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[Decisions of the United States Court of Appeals for the District of Columbia are indicated by the letter (ª); of the United States Court of Customs and Patent Appeals by a star (*); and of the Supreme Court of the United States by the letter (ª).]

ERRATA

Trade-Mark Registrations not subject to opposition—page 978, No. 344,704, Rogue River Valley Canning Co., the facsimile "Davenoil" should be transposed with that of Lewis Newman, No. 344,705, page 979, covering the facsimile "Medford".

388730

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abrams & Linden, Inc., New York, N. Y. Furs in the piece. Serial No. 386,837; Mar. 2. Class 1.

Accordiana, Inc., New York, N. Y. Piano accordions. Serial No. 387,308; Mar. 2. Class 36.

Acme Flour Mills Co., The, Oklahoma City, Okla. Wheat flour. Serial No. 387,425; Mar. 2. Class 46.

Aluminum Ore Company, Pittsburgh, Pa. Alumina, aluminum fluoride, sodium fluoride, etc. Serial No. 385,819; Mar. 2. Class 6.

American Crayon Company, The, Sandusky, Ohio. Plastic modeling sets and toy coloring sets for children. Serial No. 373,351; Mar. 2. Class 22.

American Saw & Mfg. Co., Springfield, Mass. Hack saw blades. Serial No. 386,671; Mar. 2. Class 23.

American Stores Company, Philadelphia, Pa. Prune juice for beverage purposes. Serial No. 385,961; Mar. 2. Class 45.

American Sun Texture Products Corporation, Jamaica, N. Y. Plastic wall finish. Serial No. 332,215; Mar. 2. Class 12.

Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 386,090; Mar. 2. Class 6.

Atlas Brewing Company, Chicago, Ill. Beer. Serial No. 381,749; Mar. 2. Class 48.

Avignac, Frank H., Associates, Glendale, Long Island, N. Y. Golf balls, clubs, and bags. Serial No. 385,561; Mar. 2. Class 22.

Avon Lamp Works, Inc., Newark, N. J. Electric bulbs. Serial No. 382,784; Mar. 2. Class 21.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 386,284; Mar. 2. Class 17.

Babcock, A. P., Company, Rutherford, N. J., and New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. Serial No. 386,672; Mar. 2. Class 6.

Backus, Edwin J., Chicago, Ill. Iron preparation for increasing the red blood corpuscles. Serial No. 386,704; Mar. 2. Class 6.

Balkamp Manufacturing Corporation, Indianapolis, Ind. Cylinder heads, manifolds, axle shafts, etc. Serial No. 378,874; Mar. 2. Class 23.

Barker Bros., Incorporated, Los Angeles, Calif. Furniture. Serial No. 384,188; Mar. 2. Class 32.

Baruch, George J., Inc., New York, N. Y. Fur coats, scarfs, and neck pieces. Serial No. 386,628; Mar. 2. Class 39.

Bel-Park Motors, Inc., Chicago, Ill. Motor vehicle. Serial No. 386,336; Mar. 2. Class 19.

Belle, Hannah, New York, N. Y. Suits, top coats, and overcoats. Serial No. 385,119; Mar. 2. Class 39.

Bienaime, Inc., doing business as Marcel Rochas, New York, N. Y. Perfumes, toilet water. Serial No. 383,464; Mar. 2. Class 6.

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Rugs and carpets. Serial No. 387,168; Mar. 2. Class 42.

Birmingham Trunk Factory, Birmingham, Ala. Trunks, traveling cases, portfolios, etc. Serial No. 371,949; Mar. 2. Class 3.

Blaize Blue Razor Blade Co., Detroit, Mich. Safety razor blades. Serial No. 386,197; Mar. 2. Class 23.

Boggs & Buhl, Pittsburgh, Pa. Fur coats. Serial No. 382,033; Mar. 2. Class 39.

Brand & Oppenheimer, Inc., New York, N. Y. Fabric made of acetate and tussah silk yarn. Serial No. 383,083; Mar. 2. Class 42.

Brick, Alexander, Los Angeles, Calif. Mixed rayon and wool piece goods. Serial No. 386,304; Mar. 2. Class 42.

Briones & Co., Inc., New York, N. Y. Olive oil. Serial No. 386,072; Mar. 2. Class 46.

Brough, Edward, Cleveland, Ohio. Beverage and sirup and extract for making the same. Serial No. 387,266; Mar. 2. Class 45.

Broward, Ida L., doing business as I. L. Broward, Jacksonville, Fla. Liquid hair and scalp preparation. Serial No. 387,267; Mar. 2. Class 6.

Buerkle, Homer F., Batavia, Ohio. Beverages and sirups and extracts for making the same. Serial No. 386,846; Mar. 2. Class 45.

Burke, Milo D., New York, N. Y. Ladies' hosiery. Serial No. 387,238; Mar. 2. Class 39.

Burmel Handkerchief Corporation, New York, N. Y. Handkerchiefs. Serial No. 387,113; Mar. 2. Class 39.

C. & W. Manufacturing Co., Chicago, Ill. Electric permanent hair waving and hair drying machines. Serial No. 386,982; Mar. 2. Class 44.

Cairo Pickle Company, Cairo, Ga. Pickles, peanut butter, pickle relish, etc. Serial No. 386,402; Mar. 2. Class 46.

California Grape Products Company, San Francisco, Calif., and New York, N. Y. Wines. Serial No. 386,847; Mar. 2. Class 47.

Canada Cycle & Motor Company, Limited, Weston, Ontario, Canada. Bicycles and structural parts therefor. Serial No. 381,555; Mar. 2. Class 19.

Carlton Lamp Corporation, Union City, N. J. Incandescent lamps and photo-electric cells. Serial No. 374,041; Mar. 2. Class 21.

Carosini & Parodi, Genoa, Italy. Herrings, pilchards, cod-fish, etc. Serial No. 374,229; Mar. 2. Class 46.

Carpenter Paper Co., Omaha, Nebr. Paper cups. Serial No. 387,655; Mar. 2. Class 2.

Cassatly, Habeeb, doing business as Ibnusina Medicine Preparation Company, Brooklyn, N. Y. Preparation for the treatment of piles. Serial No. 383,517; Mar. 2. Class 6.

Century Lighting, Inc., New York, N. Y. Electrically operated light projectors. Serial No. 386,674; Mar. 2. Class 21.

Charleston, Asher, Philadelphia, Pa. Dental instruments, materials, and appliances. Serial No. 376,456; Mar. 2. Class 44.

Chek-Chart Corporation, The, Chicago, Ill. Automotive lubrication and accessory equipment information. Serial No. 385,213; Mar. 2. Class 38.

Chelsea Coal Company. (See Cross, A. Archer.)

Cleveland Welding Company, The, Cleveland, Ohio. Bicycles. Serial Nos. 386,934–6; Mar. 2. Class 19.

Cohasset Club Beverage Co. (See Skrabsky, Lottie.)

Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and silk piece goods. Serial No. 385,475; Mar. 2. Class 42.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Shampoo. Serial No. 387,239; Mar. 2. Class 6.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. Serial No. 387,452; Mar. 2. Class 23.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. Serial No. 387,454; Mar. 2. Class 23.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. Serial No. 387,459; Mar. 2. Class 23.

Consolidated Dental Manufacturing Company, Inc., Brooklyn, N. Y. Dental alloy, artificial teeth, inlays, etc. Serial No. 387,313; Mar. 2. Class 44.

Consolidated Industries. (See Fox, Maurice.)

Cross, A. Archer, doing business as Chelsea Coal Company, Atlantic City, N. J. Coal. Serial No. 384,400; Mar. 2. Class 1.

Dentists' Supply Company of New York, The, New York, N. Y. Artificial teeth. Serial No. 385,626; Mar. 2. Class 44.

Devine & Yungel Shoe Mfg. Co., Harrisburg, Pa. Shoes. Serial No. 386,455; Mar. 2. Class 39.

Dickinson, Paul, Inc., Chicago, Ill. Steam exhaust heads, roof and deck drains, and wall scuppers. Serial No. 385,883; Mar. 2. Class 13.

Di Pace, Rosi, Palisades Park, N. J. Preparation used as an ointment for cuts, pimples, and sunburn. Serial No. 384,958; Mar. 2. Class 6.

Double Eagle Bottling Co., The, Cleveland, Ohio. Lithiated lemon soda. Serial No. 386,794; Mar. 2. Class 45.

Duffy, H. Bryan, doing business as F. S. Duffy Medicine Co., New Bern, N. C. Liquid preparation for treatment of persons suffering from colds. Serial No. 386,248; Mar. 2. Class 6.

Edwards, Richard, Oak Park, Ill. Candy. Serial No. 384,995; Mar. 2. Class 46.

Empire Silk Company, Paterson, N. J. Silk piece goods, artificial silks, rayon, wool, and mixtures of the same. Serial No. 386,795; Mar. 2. Class 42.

Emusol Corporation, The, Chicago, Ill. Nitrogen-containing yeast foods. Serial No. 352,163; Mar. 2. Class 46.

Eyechant Company, The, Chicago, Ill. Eyebrow and eyelash makeup. Serial No. 384,655; Mar. 2. Class 6.

Fant Milling Company, Sherman, Tex. Wheat flour. Serial No. 386,763; Mar. 2. Class 46.

Fischer, J. P., Inc., New York, N. Y. Electrical hair dryers. Serial No. 385,286; Mar. 2. Class 44.

Fitzgerald Bros. Brewing Co., Troy, N. Y. Ale. Serial No. 386,021; Mar. 2. Class 48.

Flexible Steel Lacing Company, Chicago, Ill. Belt couplings or fasteners, known as steel belt lacing. Serial No. 387,319; Mar. 2. Class 13.

Fooks, B. T., doing business as B. T. Fooks Mfg. Co., Camden, Ark. Soft drink. Serial No. 382,552; Mar. 2. Class 45.

Fox, Maurice, doing business as Consolidated Industries, Bridgeport, Conn. Joint sealing material. Serial No. 387,178; Mar. 2. Class 5.

Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Wines. Serial No. 386,307; Mar. 2. Class 47.

Gallatin Brewing Company, Bozeman, Mont. Beer. Serial No. 387,274; Mar. 2. Class 48.

General Chemical Company, New York, N. Y. Insecticides and preparations for control of plant pests. Serial No. 387,120; Mar. 2. Class 6.

General Chemical Company, New York, N. Y. Insecticides and preparations for control of plant pests. Serial No. 387,122; Mar. 2. Class 6.
General Electric Company, Schenectady, N. Y. Electrical wires, cables, and conductors. Serial No. 387,374; Mar. 2. Class 21.
General Mills, Inc., Minneapolis, Minn. Flour. Serial No. 387,375; Mar. 2. Class 46.
Gile, H. S., & Co., Salem, Oreg. Fruit juices for beverage purposes. Serial No. 385,516; Mar. 2. Class 45.
Gimbel Brothers, Inc., New York, N. Y. Underwear. Serial No. 387,551; Mar. 2. Class 39.
Glanzrock, Chas. & Co., New York, N. Y. Men's clothing. Serial No. 387,158; Mar. 2. Class 39.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires. Serial No. 386,250; Mar. 2. Class 35.
Hamilton Print Works, Paterson, N. J. Textile fabrics. Serial No. 387,276; Mar. 2. Class 42.
Heileman, G., Brewing Co., LaCrosse, Wis. Beer. Serial No. 385,842; Mar. 2. Class 48.
Helwith, Alfred L., New York, N. Y. Cotton, rayon, and silk fabrics. Serial No. 381,809; Mar. 2. Class 42.
Hopeville Manufacturing Company, Inc., The, Worcester, Mass. Woolen textile fabrics. Serial No. 385,404; Mar. 2. Class 42.
Hunter, Robert, Granite Company, Milbank, S. Dak. Finished granite. Serial No. 372,278; Mar. 2. Class 12.
Hut Neckwear Co. Inc., New York, N. Y. Neckties and cravats. Serial No. 387,552; Mar. 2. Class 39.
Ibnusina Medicine Preparation Company. (See Cassatly, Habeeb.)
International Looms, Inc., New York, N. Y. Carpets, rugs, and upholstery fabrics. Serial No. 387,379; Mar. 2. Class 42.
Interstate Rice Sales Co., Inc., The, Crowley, La. Rice. Serial No. 385,142; Mar. 2. Class 46.
Jax Ice & Cold Storage Company, Jacksonville, Fla. Beer. Serial No. 385,167; Mar. 2. Class 48.
Juilliard, A. D., & Co., Inc., New York, N. Y. Corduroys in the piece. Serial No. 387,040; Mar. 2. Class 42.
Kahn Tailoring Company, Indianapolis, Ind. Coats, vests, trousers, and overcoats. Serial No. 387,073; Mar. 2. Class 39.
Kayser, Julius, & Co., New York, N. Y. Fabrics in the piece. Serial No. 385,691; Mar. 2. Class 42.
Keasbey & Mattison Company, Ambler, Pa. Asbestos boards, asbestos sheets, asbestos lumber, etc. Serial No. 385,793; Mar. 2. Class 12.
Kelly-Burroughs Laboratory Inc., Chicago, Ill. Dental impression paste. Serial No. 387,132; Mar. 2. Class 44.
Kemp, E. F., Inc., Somerville, Mass. Nut candies. Serial No. 387,584; Mar. 2. Class 46.
Kendall Company, The, Walpole, Mass. Diapers and nursery pads. Serial No. 386,212; Mar. 2. Class 42.
Kesler, Robert, New Hope, Pa. Cards bearing numbers and adapted for use in playing a game like lotto. Serial No. 387,585; Mar. 2. Class 22.
King Citrus Fruit Corporation, Tampa, Fla. Fresh and canned citrus fruits. Serial No. 386,433; Mar. 2. Class 46.
King Clothing Company, Flint, Mich. Suits. Serial No. 387,133; Mar. 2. Class 39.
Kirch-Trumbull Corporation, Alden, N. Y. Paper toilet articles. Serial No. 384,591; Mar. 2. Class 37.
Korn, Wm., Inc., New York, N. Y. Lithographic rubbing ink, lithographic liquid tusche, lithographic transfer ink, etc. Serial No. 387,441; Mar. 2. Class 11.
Lechman, Harry M., doing business as Lechman Products Company, Fall River, Mass. Insecticides. Serial No. 387,283; Mar. 2. Class 6.
Lehmann, Herbert, Inc., New York, N. Y. Piece goods. Serial No. 387,249; Mar. 2. Class 42.
Lehr Auto Supply Company, Inc., New York, N. Y. Electrical automotive supplies and accessories. Serial No. 386,262; Mar. 2. Class 21.
Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. Serial No. 385,523; Mar. 2. Class 6.
Lubbers & Bell Manufacturing Company, Clinton, Iowa. Fly swatters. Serial No. 384,800; Mar. 2. Class 50.
Lyttle Bros. Inc., New York, N. Y. Dresses and frocks. Serial No. 384,927; Mar. 2. Class 39.
Macy, R. H., & Co., Inc., New York, N. Y. Silk crepe and satin piece goods. Serial No. 387,000; Mar. 2. Class 42.
Maison Jeurelle-Seventeen, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial Nos. 387,076–87; Mar. 2. Class 6.
Manus, George P., doing business as Mylaine Parfum, Chicago, Ill. Perfumes, cologne, face creams, and face powders. Serial No. 387,001; Mar. 2. Class 6.
Marques del Real Tesoro y Cia. Jerez de la Frontera, Spain. Sherry wines. Serial No. 344,232; Mar. 2. Class 47.
Marshall Field & Company, Chicago, Ill. Piece goods. Serial Nos. 386,989–91; Mar. 2. Class 42.
Matusow, Max, doing business as The Matusow Mfg. Co., Philadelphia, Pa. Trousers, shorts, knickers, and suits. Serial No. 386,312; Mar. 2. Class 39.
McArthur, Geo., & Sons Company, Baraboo, Wis. Knitted bath towels. Serial No. 387,201; Mar. 2. Class 42.
Meincke, A. M., & Son, Inc., Chicago, Ill. Pigment filler for paper filling. Serial No. 375,451; Mar. 2. Class 6.
Metropolitan Body Co., The, Bridgeport, Conn. Commercial motor vehicles. Serial No. 384,929; Mar. 2. Class 19.
Miller-Bryant-Pierce Company, The, Aurora, Ill. Carbon paper and typewriter ribbons. Serial No. 387,199; Mar. 2. Class 11.
Miller, Edward J., Springfield Gardens, N. Y. Decorative glass vase. Serial No. 384,756; Mar. 2. Class 13.
Modern Health Products, Inc., Milwaukee, Wis. Dried sea vegetables in tablet form. Serial No. 370,474; Mar. 2. Class 6.
Montague, Joseph F., New York, N. Y. Magazine. Serial No. 384,180; Mar. 2. Class 38.
Morin, Addee, doing business as Mother Morin's Medicine Company, Manchester, N. H. Salve. Serial No. 383,864; Mar. 2. Class 6.
Mylaine Parfum. (See Manus, George P.)
National Metal Products Corp., Chicago, Ill. Automatic air valves. Serial No. 387,004; Mar. 2. Class 13.
Novo Dental Products Co. (See Zielinski, George D.)
Nu-Dent Porcelain Studio Inc., New York, N. Y. Dentures, dental supplies. Serial No. 386,441; Mar. 2. Class 44.
Oakwood Smokeless Coal Corporation, Bluefield, W. Va. Coal. Serial No. 386,220; Mar. 2. Class 1.
O'Leary, Lydia, Inc., New York, N. Y. Cosmetic preparation, face powder, etc. Serial No. 385,599; Mar. 2. Class 6.
O'Leary, Lydia, Inc., New York, N. Y. Cosmetic preparation. Serial No. 385,600; Mar. 2. Class 6.
Owens-Illinois Glass Company, Toledo, Ohio. Salt and pepper shakers. Serial No. 386,657; Mar. 2. Class 13.
Paper Cup Corporation, Chicago, Ill. Paper cups. Serial No. 387,796; Mar. 2. Class 2.
Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 386,959; Mar. 2. Class 6.
Park, Benziger & Co., Inc., New York, N. Y. Rum. Serial No. 386,043; Mar. 2. Class 49.
Paschal, Guy, New York, N. Y. Air conditioning units. Serial No. 383,748; Mar. 2. Class 34.
Patent Cereals Company, The, Geneva, N. Y. Wheat product used in the manufacture of malt beverages and liquors. Serial No. 386,593; Mar. 2. Class 48.
Phera Products Sales. (See Schmuttermaier, Hans J.)
Phillips Petroleum Company, Bartlesville, Okla. Oils and greases. Serial No. 372,687; Mar. 2. Class 15.
Pinol Manufacturing Co., Inc., Philadelphia, Pa. Paint enamels, ready mixed paints. Serial No. 387,013; Mar. 2. Class 16.
Plastic Binding Corporation, Chicago, Ill. Machines for applying bindings to stacks of paper or the like. Serial No. 380,792; Mar. 2. Class 23.
Poirette Corsets, Inc., New York, N. Y. Foundation garments, corsets, brassières, etc. Serial No. 387,558; Mar. 2. Class 39.
Pratt, B. G., Co., New York, N. Y. Insecticides. Serial No. 387,142; Mar. 2. Class 6.
Progressive Razor & Blade Co., Maplewood, N. J. Safety razor blades. Serial No. 387,393; Mar. 2. Class 23.
Progressive Silk Finishing Co., Hoboken, N. J. Taffeta. Serial No. 386,817; Mar. 2. Class 42.
Pure Oil Company, The, Chicago, Ill. Denatured alcohol and radiator anti-freeze compositions. Serial No. 387,394; Mar. 2. Class 6.
Rainbo Baking Company of Cincinnati, Cincinnati, Ohio. Bread. Serial No. 384,672; Mar. 2. Class 46.
Realistic Permanent Wave Machine Co., Cincinnati, Ohio. Electrical permanent waving heaters, electrical hair waving apparatus. Serial No. 384,391; Mar. 2. Class 44.
Reed, Ed, Des Moines, Iowa. Cartoons. Serial No. 386,047; Mar. 2. Class 38.
Remington Rand Inc., Buffalo, N. Y. File cabinets and parts thereof. Serial No. 387,398; Mar. 2. Class 32.
Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Wines. Serial No. 386,778; Mar. 2. Class 47.
Robins, A. H., Company, Inc., Richmond, Va. Medicinal preparation. Serial No. 386,910; Mar. 2. Class 6.
Robinson, Joseph, New York, N. Y. Medication used in the treatment of colds, etc. Serial No. 386,962; Mar. 2. Class 6.
Rochas, Marcel. (See Blenaime, Inc.)
Rock Products Co., Beloit, Wis. Fly spray. Serial No. 385,752; Mar. 2. Class 6.
Roddenbery, W. B., Co., Cairo, Ga. Table syrups, peanut butter, and pickles and pickle relish. Serial No. 386,449; Mar. 2. Class 46.
Rogers Peet Company, New York, N. Y. Suits and overcoats. Serial Nos. 386,271–2; Mar. 2. Class 39.
Romaniecki, Stephen T., doing business as White Eagle Bottling Works, Philadelphia, Pa. Lithiated lemon beverage and sirup and extract for making the same. Serial No. 387,287; Mar. 2. Class 45.
Rosenbloom Company, The. (See Rosenblum, Joseph.)
Rosenblum, Joseph, doing business as the Rosenbloom Company, New York, N. Y. Cheese. Serial No. 368,663; Mar. 2. Class 46.

CARNEGIE LIBRARY OF ATLANTA

Rosenthal, Julius, Inc., New York, N. Y. Textile fabrics. Serial No. 386,819; Mar. 2. Class 42.
Ross & Oberleder Silk Corp., New York, N. Y. Rayon textile fabrics. Serial No. 383,285; Mar. 2. Class 42.
Ryberg, Harry, Palo Alto, Calif. Hair tonic. Serial No. 383,450; Mar. 2. Class 6.
Rykoff, S. E., & Company, Los Angeles, Calif. Whiskey, gin, rum, etc. Serial No. 385,647; Mar. 2. Class 49.
Sam-Way Hat Co. Inc., New York, N. Y. Hats. Serial No. 386,964; Mar. 2. Class 39.
Schlansky, Philip, & Bro., Inc., New York, N. Y. Coats and suits. Serial No. 386,174; Mar. 2. Class 39.
Schmuttermaier, Hans J., doing business as Phera Products Sales, Chicago, Ill. Preparation for use as an animal conditioner. Serial No. 384,565; Mar. 2. Class 6.
Scotch Products Incorporated, New York, N. Y. Rubber thumb and finger protectors. Serial No. 386,501; Mar. 2. Class 37.
Selmer, Walter B., doing business as Selmolene Manufacturing Co., San Rafael, Calif. Preparation for the treatment of sprains, swellings, sore muscles, etc. Serial No. 384,016; Mar. 2. Class 6.
Selmolene Manufacturing Co. (See Selmer, Walter B.)
Shaw, Alex D., & Co., Inc., New York, N. Y. Wines. Serial No. 384,870; Mar. 2. Class 47.
Shaw, Alex D., & Co. Inc., New York, N. Y. Wines. Serial Nos. 386,598–601; Mar. 2. Class 47.
Shenton, William A., doing business as W. A. Shenton & Co., Jersey City, N. J. Chewing gum. Serial No. 387,162; Mar. 2. Class 46.
Short, J. R., Milling Company, Chicago, Ill. Shortening preparation. Serial No. 386,913; Mar. 2. Class 46.
Simmons-Boardman Publishing Corporation, New York, N. Y. Periodical. Serial No. 386,603; Mar. 2. Class 38.
Skinner, F. L., Dunedin, Fla. Fresh citrus fruit. Serial No. 387,565; Mar. 2. Class 46.
Skrabsky, Lottie, doing business as Cohasset Club Beverage Co., Youngstown, Ohio. Carbonated beverages. Serial No. 387,401; Mar. 2. Class 45.
Skrabsky, Lottie, doing business as Cohasset Club Beverage Co., Youngstown, Ohio. Carbonated beverages. Serial No. 387,403; Mar. 2. Class 45.
Skrabsky, Lottie, doing business as Cohasset Club Beverage Co., Youngstown, Ohio. Carbonated beverage. Serial No. 387,405; Mar. 2. Class 45.
Society of Chemical Industry in Basle, Basel, Switzerland. Chemical product for use in the textile industry. Serial Nos. 387,217–8; Mar. 2. Class 6.
Solvai Limited, Montreal, Quebec, Canada. Soldering compositions. Serial No. 380,722; Mar. 2. Class 14.
Southport Manufacturing Co. (See Wilks, Martha.)
Special Chemicals Corp., New York, N. Y. Chemical mixtures used in plating and finishing of metals. Serial No. 387,221; Mar. 2. Class 6.
Standard Printing and Publishing Company, Huntington, W. Va. Carbon paper. Serial No. 387,292; Mar. 2. Class 11.
Stroock & Wittenberg Corp., New York, N. Y. House organ. Serial No. 372,042; Mar. 2. Class 38.
Surpass Leather Company, Philadelphia, Pa. Dull sheen kid leather. Serial No. 386,236; Mar. 2. Class 1.
Toner, John J., New York, N. Y. Furniture polish. Serial No. 384,344; Mar. 2. Class 16.
Towns & James, Inc., Brooklyn, N. Y. Internal preparation containing vitamins A, B, D, and G. Serial No. 386,970; Mar. 2. Class 6.
Trencher, Kenneth M., Brooklyn, N. Y. Ladies' sport coats. Serial No. 383,788; Mar. 2. Class 39.
Turoff-Hodes, Inc., New York, N. Y. Ladies' handbags. Serial No. 387,156; Mar. 2. Class 3.
Tybon Corporation, Philadelphia, Pa. Inked typewriter ribbons and typewriter carbon paper. Serial No. 387,231; Mar. 2. Class 11.
Tybon Corporation, Philadelphia, Pa. Inked typewriter ribbons, typewriter carbon paper and ink. Serial No. 387,232; Mar. 2. Class 11.
Union Oil Company of California, Los Angeles, Calif. Benzine, heating oil, illuminating oil, kerosene, etc. Serial No. 366,308; Mar. 2. Class 15.
United Chromium, Incorporated, New York, N. Y., and Waterbury, Conn. Pocket books and frames. Serial No. 386,826; Mar. 2. Class 2.
United Drug Company, Boston, Mass. Thermometers. Serial No. 387,478; Mar. 2. Class 26.
Val Vita Food Products, Inc., Los Angeles, Calif. Canned vegetables, canned soups, canned fruit juices, etc. Serial No. 386,057; Mar. 2. Class 46.
Victor Safe & Equipment Company, Inc., The, North Tonawanda, N. Y. File cabinets, drawers, and parts thereof. Serial Nos. 387,411–3; Mar. 2. Class 32.
Wadhams & Co. Incorporated, Portland, Oreg. Canned fruits, canned peas, tomatoes, etc. Serial No. 342,679; Mar. 2. Class 46.
Wamsutta Mills, New Bedford, Mass. Shirts, shorts, and pajamas. Serial No. 379,654; Mar. 2. Class 39.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods. Serial No. 879,655; Mar. 2. Class 42.
Werts Novelty Company, Incorporated, Muncie, Ind. Games of chance. Serial No. 387,153; Mar. 2. Class 22.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Luminaires. Serial No. 380,813; Mar. 2. Class 21.
White Eagle Bottling Works. (See Romaniecki, Stephen T.)
Wilks, Martha, doing business as Southport Manufacturing Co., New York, N. Y. Processed piece goods. Serial No. 382,981; Mar. 2. Class 50.
Williamsbridge Mills, Inc., New York, N. Y. Blouses, dresses, and culottes, and skirts. Serial No. 387,017; Mar. 2. Class 39.
Wissemann, Charles H., & Co. Inc., Richmond Hill, N. Y. Baking powder, jellies, sugar, etc. Serial No. 384,683; Mar. 2. Class 46.
Wizard, Inc., Chicago, Ill. Insecticide sprayers. Serial No. 386,135; Mar. 2. Class 23.
York and Company, Grand Rapids, Mich. Coal. Serial No. 382,972; Mar. 2. Class 1.
Zielinski, George D., doing business as Novo Dental Products Co., Chicago, Ill. Hydrocolloid material for dental purposes. Serial No. 386,754; Mar. 2. Class 44.
Zimmerer, Karl A., Manufacturing Co., Detroit, Mich. Electric beer coil cleaners. Serial No. 386,753; Mar. 2. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Allen Granite Company, Elberton, Ga. Granite. 343,714; Mar. 2; Serial No. 383,709; published Dec. 22, 1936. Class 12.
Allied Mills, Inc., Chicago, Ill. Dog food. 343,715; Mar. 2; Serial No. 383,710; published Dec. 15, 1936. Class 46.
American Agricultural Chemical Company, The. (See Hampton Guano Company, assignor.)
American Crayon Company, The, Sandusky, Ohio. Crayons and paste used for marking the skin preparatory to taking X-rays. 343,702; Mar. 2; Serial No. 383,381; published Dec. 22, 1936. Class 44.
American Dyewood Company. (See MacAndrews & Forbes Company, assignor.)
American Manufacturing Corporation, Inc., New Orleans, La. Women's underwear. 343,739; Mar. 2; Serial No. 384,230; published Dec. 22, 1936. Class 39.
American Stores Company, Philadelphia, Pa. Coffee. 343,745; Mar. 2; Serial No. 384,364; published Dec. 15, 1936. Class 46.
Amoskeag Manufacturing Company, assignor, by mesne assignments, to Amoskeag Industries, Inc., Manchester, N. H. Cotton piece goods. 115,430; renewed Feb. 13, 1937.
Angelin, Zigne M., Santa Monica, Calif. Containers for bread, cake, etc. 343,711; Mar. 2; Serial No. 383,615; published Dec. 22, 1936. Class 2.
Apex Manufacturing Company, Kansas City, Mo. Air conditioning units. 343,696; Mar. 2; Serial No. 383,202; published Dec. 22, 1936. Class 34.
Armor Bronze Company. (See Collis, George B.)
Aron, J., & Company, Inc., New Orleans, La. Rice. 343,786; Mar. 2.
Asselin, Urgel F., doing business as Asselin Creamery Co., Norway, Mich. Ice cream. 343,740; Mar. 2; Serial No. 384,233; published Dec. 22, 1936. Class 46.
Atkins Popcorn Company. (See Carbon Peanut Company, Inc.)
Baer & Wilde Company, The, assignor to Swank Products, Inc., Attleboro, Mass., Attleboro, Mass. Glass drinking novelties. 343,639; Mar. 2; Serial No. 366,352; published Dec. 22, 1936. Class 33.
Balstone Cooke & Co. Ld., by change of name to Balstone Cooke & Rayonese Limited, Manchester, England. Velvets, velveteens, sateens, etc. 115,058; renewed Jan. 23, 1937.
Benediktiner-Abtei Ettal, Ettal, Germany. Liqueurs or cordials. 343,637; Mar. 2; Serial No. 363,787; published Dec. 15, 1936. Class 49.
Berg, F., & Co., Orange, N. J., assignor, by mesne assignments, to Hat Corporation of America, Norwalk, Conn. Hats for men. 116,038; renewed June 5, 1937.
Berzer, M., Co., Inc., New York, N. Y. Wash neckties. 343,642; Mar. 2; Serial No. 369,561; published Dec. 22, 1936. Class 39.
Bewley Mills, Fort Worth, Tex. Stock feeds. 343,656; Mar. 2; Serial No. 375,420; published Dec. 22, 1936. Class 46.
Bisceglia Bros., San Jose, Calif. Wine. 343,741; Mar. 2; Serial No. 384,235; published Dec. 22, 1936. Class 47.

Bisceglia Bros., San Jose, Calif. Wine. 343,742; Mar. 2; Serial No. 384,237; published Dec. 22, 1936. Class 47.

Blum, Philip, & Company, Inc., Chicago, Ill. Rum. 343,775; Mar. 2; Serial No. 385,209; published Dec. 15, 1936. Class 49.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Plush lap-robes. 115,584; renewed Feb. 27, 1937.

Bresduck, Inc., New York, N. Y. Razors, shears, scissors, etc. 343,665; Mar. 2; Serial No. 378,033; published Dec. 22, 1936. Class 23.

Buddie Co., The. (See Woolf, Preston G.)

Bulk Service Stations, Inc., Chicago, Ill. Petroleum products. 343,636; Mar. 2; Serial No. 355,827; published Dec. 8, 1936. Class 15.

Burry Biscuit Corporation, Chicago, Ill., and Linden, N. J. Biscuits. 343,746; Mar. 2; Serial No. 384,447; published Dec. 22, 1936. Class 46.

Bustelo Coffee Roasting Co., Inc., New York, N. Y. Coffee. 343,743; Mar. 2; Serial No. 384,243; published Dec. 22, 1936. Class 46.

Buttner, Henen C., doing business as The Kwality Kids, Twin Falls, Idaho. Potatoes and onions. 343,738; Mar. 2; Serial No. 384,189; published Dec. 15, 1936. Class 46.

C. & E. Canners, Hammonton, N. J. Fresh cranberries and cranberry sauce. 343,697; Mar. 2; Serial No. 383,253; published Dec. 22, 1936. Class 46.

California Vineyards, Inc., Los Angeles, Calif. Wines. 343,729; Mar. 2; Serial No. 383,980; published Dec. 22, 1936. Class 47.

Capital Paper Company, Indianapolis, Ind. Paper bags. 115,486; renewed Feb. 20, 1937.

Carbon Peanut Company, Inc., doing business as Atkins Popcorn Company, Dallas and Carbon, Tex. Peanuts and popcorn. 343,694; Mar. 2; Serial No. 383,085; published Dec. 15, 1936. Class 46.

Carey, Philip, Manufacturing Company, The, Lockland, Ohio. Thermal insulating cement. 343,698; Mar. 2; Serial No. 383,256; published Dec. 15, 1936. Class 12.

Case, Harold, doing business as The Marlo Conipany, New York, N. Y. Machinery packing, power transmission belting, and brake lining. 343,731; Mar. 2; Serial No. 384,028; published Dec. 22, 1936. Class 35.

Certain-Teed Products Corporation, New York, N. Y. Composition wall boards, gypsum wall boards and lath, etc. 343,676; Mar. 2; Serial No. 380,860; published Dec. 15, 1936. Class 12.

Chase, L. C., & Company, Boston, Mass., assignor to Sanford Mills, Sanford, Maine. Knitted, knetted, and textile fabrics. 117,294; renewed July 3, 1937.

Chase, L. C., & Company, Boston, Mass., assignor to Sanford Mills, Sanford, Maine. Artificial leathers, coated textile fabrics, and a leather substitute. 117,416; renewed July 10, 1937.

Chef's Choice Products Company. (See Slingerland, Arthur J.)

Chocolat Suchard Societe Anonyme, Neuchatel, Switzerland. Cocoa, chocolate, chocolate candy, etc. 343,662; Mar. 2; Serial No. 377,300; published Dec. 15, 1936. Class 46.

Collis, George B., doing business as Arnor Bronze Company, Taunton, Mass. Ornamental mantel pieces, statuettes and statuary figures. 343,686; Mar. 2; Serial No. 382,788; published Dec. 22, 1936. Class 50.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 343,635; Mar. 2; Serial No. 343,968; published Feb. 18, 1936. Class 49.

Continental Fibre Company, The, assignor to Continental-Diamond Fibre Company, Newark, Del. Electrical insulating material, 117,249; renewed June 26, 1937.

Cook Specialty Company, Cleveland, Ohio. Candy. 343,724; Mar. 2; Serial No. 383,874; published Dec. 22, 1936. Class 46.

Cordo-Hyde Company, assignor to Cordo-Hyde Company, Brockton, Mass. Shoe strings and lacings, tapes, and galloons. 116,945; renewed June 5, 1937.

Corte & Co., Jersey City, N. J. Olive oils, olives, dry cod fish, etc. 343,638; Mar. 2; Serial No. 365,062; published Dec. 22, 1936. Class 46.

Craigleith Woollen Company, New York, N. Y. Thread and yarn. 343,787; Mar. 2. Class 43.

Crown Cork and Seal Company of Baltimore City, The, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Closures for bottles and the like. 117,422; renewed July 10 1937.

Davol Rubber Company, Providence, R. I. Dental, medical, and surgical appliances. 117,118; renewed June 19, 1937.

De Luxe Products Corporation, La Porte, Ind. Oil filters. 343,726; Mar. 2; Serial No. 383,915; published Dec. 22, 1936. Class 23.

Dietz, R. E., Company, New York, N. Y. Oil burning lanterns and burners and parts metal thereof. 343,725; Mar. 2; Serial No. 383,876; published Dec. 22, 1936. Class 34.

Ditto, Incorporated, Chicago, Ill. Lubricating oil and grease. 343,640; Mar. 2; Serial No. 367,187; published Dec. 8, 1936. Class 15.

Ditto, Incorporated, Chicago, Ill. Coated papers. 343,661; Mar. 2; Serial No. 377,102; published Dec. 22, 1936. Class 37.

Ditto, Incorporated, Chicago, Ill. Electrically operated duplicating machines. 343,766; Mar. 2; Serial No. 384,959; published Dec. 22, 1936. Class 21.

Dorr Company, Inc., The, New York, N. Y. Sedimentation apparatus. 343,664; Mar. 2; Serial No. 377,460; published Dec. 22, 1936. Class 23.

Eisenstaedt Bros. Co., Inc., Chicago, Ill. Neckwear. 343,689; Mar. 2; Serial No. 382,975; published Dec. 22, 1936. Class 39.

Elby Extract Co., Inc., New York, N. Y. Alcoholic bitters. 343,645; Mar. 2; Serial No. 370,918; published Dec. 15, 1936. Class 49.

Elma Products Company, Norwalk, Conn. Vehicular accessories. 343,666; Mar. 2; Serial No. 378,134; published Dec. 15, 1936. Class 19.

Enterprise Manufacturing Company, The, Akron, Ohio. Fish hooks. 343,779; Mar. 2; Serial No. 385,349; published Dec. 22, 1936. Class 22.

Etablissements Pernod, Maisons Pernod Fils, Hemard & Pernod Pere & Fils Reunies (Société Anonyme), Paris, France. Vermouth. 343,684; Mar. 2; Serial No. 382,624; published Dec. 22, 1936. Class 47.

European Wine Exporters & Growers Agencies, Inc., New York, N. Y. Wine. 343,730; Mar. 2; Serial No. 383,993; published Dec. 22, 1936. Class 47.

Evans, Seager, & Co. Limited, London, England. Whisky. 343,771; Mar. 2; Serial No. 385,111; published Dec. 15, 1936. Class 49.

Firestone Tire & Rubber Company, The, Akron, Ohio. Tire-repair gum materials in sheet form. 343,647; Mar. 2; Serial No. 371,261; published Jan. 7, 1936. Class 35.

Fischer, Carl, Musical Instrument Co. Inc. (See Heberlein, Heinrich Th., Jr., assignor.)

Foreign Specialties, Inc., New York, N. Y. Combs for combing the hair. 343,660; Mar. 2; Serial No. 376,990; published Dec. 22, 1936. Class 40.

Free State Brewery Corporation, Baltimore, Md. Ale. 343,759; Mar. 2; Serial No. 384,848; published Dec. 22, 1936. Class 48.

Friez, Julien P., & Sons, Inc., Baltimore, Md. Instrument for controlling humidity and temperature. 343,646; Mar. 2; Serial No. 371,094; published Dec. 22, 1936. Class 26.

Gardner, Joseph A., Memphis, Tenn. Tablets for use by dentists in the treatment of teeth. 115,444; renewed Feb. 13, 1937.

Gates Rubber Company, The, Denver, Colo. Double V-shaped belts. 343,765; Mar. 2; Serial No. 384,045; published Dec. 22, 1936. Class 35.

General Time Instruments Corporation. (See Western Clock Co., assignor.)

George, F. H., & Company, Fort Wayne, Ind. Butter. 115,955; renewed Mar. 27, 1937.

Gimbel Brothers, Inc., New York, N. Y. Brandy. 343,748; Mar. 2; Serial No. 384,586; published Dec. 15, 1936. Class 49.

Gimbel Brothers, Inc., New York, N. Y. Women's hosiery. 343,749; Mar. 2; Serial No. 384,587; published Dec. 15, 1936. Class 39.

Glaser, Samuel, doing business as True Value Neckwear Company, New York, N. Y. Cravats. 343,672; Mar. 2; Serial No. 379,699; published Dec. 22, 1936. Class 39.

Globe Specialty Company, Chicago, Ill. Automobile safety reflecting and signal lenses and buttons. 343,695; Mar. 2; Serial No. 383,128; published Dec. 22, 1936. Class 19.

Goldenberg's, to The Goldenberg Co., Washington, D. C., successor. Coats, vests, trousers, etc. 117,436; renewed July 10, 1937.

Goodall Worsted Co. (See Lesher, Whitman & Co., Inc.)

Gordon, Aaron, Berkeley, Calif. Lumber treated with a chemical preparation as protection against fire, etc. 343,681; Mar. 2; Serial No. 382,512; published Dec. 15, 1936. Class 12.

Greencastle Packing Company, The, Greencastle, Pa. Canned fruits, canned vegetables, apple sauce. 343,716; Mar. 2; Serial No. 383,734; published Dec. 15, 1936. Class 46.

Gross, A., Candle Company, Inc., Baltimore, Md. Candles, votive, sanctuary, and tabernacle lights. 343,717; Mar. 2; Serial No. 383,735; published Dec. 8, 1936. Class 15.

Guastavino, R., Company. (See Johns-Manville, H. W., Co., assignor.)

Hampton Guano Company, Norfolk, Va., assignor, by mesne assignments, to The American Agricultural Chemical Company, New York, N. Y. Fertilizers. 115,332; renewed Feb. 6, 1937.

Haserot Company, The, Cleveland, Ohio. Canned Hawaiian pineapple. 343,685; Mar. 2; Serial No. 382,647; published Dec. 15, 1936. Class 46.

Hat Corporation of America. (See Berg, F., & Co., assignor.)

Heberlein, Heinrich Th. Jr., Markneukirchen, Germany, assignor, by mesne assignments, to Carl Fischer Musical Instrument Co. Inc., New York, N. Y. Musical instruments. 114,884; renewed Jan. 9, 1937.

Helms Bakeries, Los Angeles, Calif. Cakes. 343,707; Mar. 2; Serial No. 383,505; published Dec. 22, 1936. Class 46.

International Harvester Company, Chicago, Ill. Milking machines and parts thereof. 343,690; Mar. 2; Serial No. 383,018; published Dec. 22, 1936. Class 23.

International Harvester Company, Chicago, Ill. Milking machines and parts thereof. 343,691–2; Mar. 2; Serial Nos. 383,021–2; published Dec. 22, 1936. Class 23.

International Silver Company, Meriden, Conn. Flat-ware, hollow-ware, and cutlery. 343,727; Mar. 2; Serial No. 383,928; published Dec. 8, 1936. Class 28.

Island Creek Coal Sales Company, Cincinnati, Ohio. Coal. 343,680; Mar. 2; Serial No. 382,477; published Dec. 22, 1936. Class 1.

Johns-Manville, H. W., Co., New York, N. Y., assignor to R. Guastavino Company, Boston, Mass. Artificial stone which possesses the property of absorbing sound. 114,973; renewed Jan. 16, 1937.

Kaplan Rice Mill, Inc., Kaplan, La. Rice. 343,709; Mar. 2; Serial No. 383,532; published Dec. 15, 1936. Class 46.

Kny-Scheerer Corporation, New York, N. Y. Surgical, chirurgical, and medical instruments. 343,634; Mar. 2; Serial No. 315,461; published Aug. 4, 1931. Class 44.

Koppel Industrial Car and Equipment Co., Koppel, Pa. Fertilizer and fertilizer materials. 343,755; Mar. 2; Serial No. 384,711; published Dec. 22, 1936. Class 10.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Bread. 343,732; Mar. 2; Serial No. 384,088; published Dec. 22, 1936. Class 46.

Krystal Company, The, Chattanooga, Tenn. Hamburger sandwiches. 343,677; Mar. 2; Serial No. 380,952; published Dec. 22, 1936. Class 46.

Kwality Kids, The. (See Buttner, Helen C.)

Lactol Corporation, San Francisco, Calif. Skimmed milk preparation. 343,667; Mar. 2; Serial No. 378,210; published Dec. 15, 1936. Class 46.

Laros Textile Company, Bethlehem, Pa. Slips, gowns, dance sets, etc. 343,675; Mar. 2; Serial No. 380,578; published Dec. 22, 1936. Class 39.

Lasser, John F., Chicago, Ill. Beverages and syrups, extracts, and flavors used in making the same. 343,760; Mar. 2; Serial No. 384,855; published Dec. 22, 1936. Class 45.

Leggett, Francis H., & Company, New York, N. Y. Canned vegetable consomme. 343,693; Mar. 2; Serial No. 383,065; published Dec. 22, 1936. Class 46.

Lesher, Whitman & Co., Inc., New York, N. Y., to Goodall Worsted Co., Sanford, Maine, successor. Knitted, netted, and textile fabrics. 117,045; renewed June 12, 1937.

Lesher, Whitman & Co., Inc., New York, N. Y., to Goodall Worsted Co., Sanford, Maine, successor. Dress fabric. 117,340; renewed July 3, 1937.

Lincoln, Edward K., New York, N. Y. Toy banks. 343,780–1; Mar. 2; Serial Nos. 385,442–3; published Dec. 22, 1936. Class 22.

Los Angeles Brewing Co., Los Angeles, Calif. Whiskey. 343,648; Mar. 2; Serial No. 372,522; published Dec. 15, 1936. Class 49.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 343,710; Mar. 2; Serial No. 383,588; published Dec. 15, 1936. Class 46.

M and M Wood Working Company, Portland, Oreg. Lumber and wood products. 343,720; Mar. 2; Serial No. 383,843; published Dec. 8, 1936. Class 12.

M and M Wood Working Company, Portland, Oreg. Plywood. 343,721–2; Mar. 2; Serial Nos. 383,844–5; published Dec. 8, 1936. Class 12.

MacAndrews & Forbes Company, Camden, N. J., assignor to American Dyewood Company, New York, N. Y. Dyewood extracts. 116,908; renewed June 5, 1937.

Mallinson, H. R., & Company, Inc., New York, N. Y., assignor to Mallinson Fabrics Corporation. Fabrics. 343,653; Mar. 2; Serial No. 374,722; published Apr. 7, 1936. Class 42.

Mario Company, The. (See Case, Harold.)

Marshall Field & Company, Chicago, Ill. Electric suction-cleaners. 116,755; renewed May 22, 1937.

Masterson, Howard, Burbank, Calif. Parking meter. 343,671; Mar. 2; Serial No. 379,278; published Dec. 22, 1936. Class 26.

McKesson & Robbins, Incorporated, assignor to Topics Publishing Co. Inc., New York, N. Y. Periodicals. 116,960; renewed June 5, 1937.

McMackin-Blair Company, Ridgway, Pa. Tobacco smoking pipe. 343,783; Mar. 2. Class 8.

Miller, John H., New York, N. Y. Preparation for the treatment of the throat. 343,712; Mar. 2; Serial No. 383,633; published Dec. 15, 1936. Class 6.

Mineral Waters, Inc., Portland and Harrison, Maine. Bottled water. 343,682; Mar. 2; Serial No. 382,516; published Dec. 22, 1936. Class 45.

Minute Foods Ltd., Los Angeles, Calif. Flavors for making punches and soft drinks. 343,679; Mar. 2; Serial No. 381,915; published Dec. 22, 1936. Class 45.

Mor-Pak Preserving Corporation, Stockton, Calif. Canned fruits. 343,718; Mar. 2; Serial No. 383,745; published Dec. 22, 1936. Class 46.

Morrell, John, & Co., Ottumwa, Iowa. Horse and cow feed. 343,744; Mar. 2; Serial No. 384,297; published Dec. 22, 1936. Class 46.

National Musical String Co., New Brunswick, N. J. Strings for banjos, etc. 343,700; Mar. 2; Serial No. 383,321; published Dec. 22, 1936. Class 36.

National Packing Company, Isleton, Calif. Food products. 343,756; Mar. 2; Serial No. 384,758; published Dec. 22, 1936. Class 46.

New England Retail Grain Dealers Co-operative Association, Springfield, Mass. Feeds for poultry and livestock. 343,687; Mar. 2; Serial No. 382,926; published Dec. 22, 1936. Class 46.

Northam Warren Corporation, New York, N. Y. Chemical and pharmaceutical preparations. 117,353; renewed July 3, 1937.

Oldetyme Distillers, Inc., New York, N. Y. Dry gin. 343,770; Mar. 2; Serial No. 385,057; published Dec. 15, 1936. Class 49.

Ottawa Silica Company. (See United States Silica Co., assignor.)

Paragon Oil Company, Inc., Brooklyn, N. Y. Lubricating oil. 343,663; Mar. 2; Serial No. 377,415; published Dec. 1, 1936. Class 15.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Game. 343,776–8; Mar. 2; Serial Nos. 385,232–4; published Dec. 22, 1936. Class 22.

Passaic Woollex Manufacturing Company, Paterson, N. J. Cut piece goods. 343,761; Mar. 2; Serial No. 384,862; published Dec. 22, 1936. Class 42.

Payson Varnish Co., The, New York, N. Y. Paints, varnishes, paint enamels. 343,703; Mar. 2; Serial No. 383,404; published Dec. 22, 1936. Class 16.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Coats, suits, and dresses. 343,767; Mar. 2; Serial No. 384,975; published Dec. 22, 1936. Class 39.

Pepperell Manufacturing Company, Boston, Mass. Textile fabrics, sheets, pillow cases, etc. 343,670; Mar. 2; Serial No. 378,673; published Oct. 27, 1936. Class 42.

Pepperell Manufacturing Company, Boston, Mass. Textile fabrics, coverlets, quilts, etc. 343,762; Mar. 2; Serial No. 384,864; published Dec. 22, 1936. Class 42.

Pullman Chemical Company, Camden, N. J. Cup grease, pressure gun grease, transmission grease, etc. 343,785; Mar. 2. Class 15.

Pure Oil Company, The, Chicago, Ill. Top patches for automobiles, fan belts, hot patches, etc. 343,649; Mar. 2; Serial No. 372,992; published Dec. 22, 1936. Class 35.

Pure Oil Company, The, Chicago, Ill. Friction tape and gasket and rim cement. 343,650; Mar. 2; Serial No. 372,993; published Dec. 15, 1936. Class 5.

Pure Oil Company, The, Chicago, Ill. Batteries and battery cables. 343,651; Mar. 2; Serial No. 372,994; published Dec. 22, 1936. Class 21.

Radiex Laboratories, Baltimore, Md. Medicinal preparation. 343,669; Mar. 2; Serial No. 378,452; published Nov. 24, 1936. Class 6.

Randolph Marketing Company, Inc., Los Angeles, Calif. Oranges and lemons. 117,265; renewed June 26, 1937.

Reis, Robert, & Co., New York, N. Y. Underwear. 117,060; renewed June 12, 1937.

Reis, Robert, & Co., New York, N. Y. Underwear. 117,358; renewed July 3, 1937.

Rice-Stix Dry Goods Company, St. Louis, Mo. Hosiery. 116,921; renewed June 5, 1937.

Rice-Stix Dry Goods Co., St. Louis, Mo. Cotton piece goods. 343,752; Mar. 2; Serial No. 384,631; published Dec. 22, 1936. Class 42.

Rohan Company, Inc., The, Garden City, N. Y. Composition construction and building material. 343,683; Mar. 2; Serial No. 382,525; published Dec. 8, 1936. Class 12.

Rosenau Bros., Inc., Philadelphia, Pa. Dresses, suits, rompers, etc. 343,769; Mar. 2; Serial No. 385,008; published Dec. 22, 1936. Class 39.

Rosenberg Brothers, Medford, Oreg. Fresh pears. 343,706; Mar. 2; Serial No. 383,445; published Dec. 15, 1936. Class 46.

Sachs-Lawlor Co., Denver, Colo. Metal seals. 343,658; Mar. 2; Serial No. 376,104; published Dec. 22, 1936. Class 25.

San Antonio Portland Cement Company, San Antonio, Tex. Portland cement. 343,668; Mar. 2; Serial No. 378,234; published Dec. 15, 1936. Class 12.

Sanford Mills. (See Chase, L. C., & Company, assignor.)

Schaller, Carleton, & Co., Inc., New York, N. Y. Linen. 343,747; Mar. 2; Serial No. 384,480; published Dec. 22, 1936. Class 42.

Scherlis & Katz Fish Co., Inc., Baltimore, Md. Fish products. 343,643; Mar. 2; Serial No. 369,782; published Dec. 15, 1936. Class 46.

Schreuders, Peter G., Tacoma, Wash. Device for measuring foods. 343,723; Mar. 2; Serial No. 383,859; published Dec. 22, 1936. Class 26.

Scientific Oil Corporation, Indianapolis, Ind. Lubricating oil. 343,654; Mar. 2; Serial No. 374,909; published Dec. 22, 1936. Class 15.

Scotch Products, Inc., New York, N. Y. Beverages, and syrups and extracts for making same. 343,657; Mar. 2; Serial No. 375,670; published Aug. 4, 1936. Class 45.

Segal, H., New York, N. Y. Watch chains, watch chain findings, etc. 343,652; Mar. 2; Serial No. 374,163; published Dec. 15, 1936. Class 28.

Selchow & Righter Company, New York, N. Y. Board games. 343,782; Mar. 2; Serial No. 385,539; published Dec. 22, 1936. Class 22.

Sexton, John, & Co., Chicago, Ill. Canned fruits and vegetables. 115,237; renewed Jan. 30, 1937.

Siboney Distilling Corporation, Philadelphia, Pa. Distilled gin. 343,772; Mar. 2; Serial No. 385,114; published Dec. 15, 1936. Class 49.

Silver Swan Liquor Corporation, San Francisco, Calif. Whiskey. 343,768; Mar. 2; Serial No. 384,978; published Dec. 15, 1936. Class 49.

Simons, Walter R., Los Angeles, Calif. Building construction materials. 343,641; Mar. 2; Serial No. 368,958; published Dec. 22, 1936. Class 12.

Slingerland, Arthur J., doing business as Chef's Choice Products Company, Chicago, Ill. Canned soup. 343,705; Mar. 2; Serial No. 383,419; published Dec. 22, 1936. Class 46.

Smith, Martin H., Co., New York, N. Y. Treatment for cougha, etc. 117,373; renewed July 3, 1937.

Snyder, Howard, Albion, Mich. Sauce for barbecued meats. 343,754; Mar. 2; Serial No. 384,677; published Dec. 22, 1936. Class 46.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Refined petroleum oil. 343,713; Mar. 2; Serial No. 383,654; published Dec. 8, 1936. Class 15.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oils. 343,733–4; Mar. 2; Serial Nos. 384,102–3; published Dec. 8, 1936. Class 15.

Southern Kraft Corporation, New York, N. Y. Wrapping paper, kraft paper. 343,644; Mar. 2; Serial No. 370,902; published Dec. 22, 1936. Class 37.

Sox Miller, Inc., Philadelphia, Pa. Coats, trousers, vests, etc. 343,758; Mar. 2; Serial No. 384,810; published Dec. 22, 1936. Class 39.

Soy Bean Products Co., Chicago, Ill. Nut-like edible product. 343,659; Mar. 2; Serial No. 376,305; published May 26, 1936. Class 46.

Spratt's Patent (America) Limited, London, England, and Newark, N. J. Foods for animals, etc. 117,483; renewed July 10, 1937.

Stanton Brewery, Inc., The, Troy, N. Y. Beer. 343,757; Mar. 2; Serial No. 384,766; published Dec. 22, 1936. Class 48.

Stewart, Norman W., doing business as Windsor Products Company, New York, N. Y. Worcestershire sauce. 343,678; Mar. 2; Serial No. 381,883; published Dec. 15, 1936. Class 46.

Stone & Murphy, Inc., Middletown, Conn. Chemical feeding fittings for roof drains. 343,788; Mar. 2. Class 13.

Strauss, B., M. & J., Ltd., London, England. German wines. 343,735; Mar. 2; Serial No. 384,143; published Dec. 22, 1936. Class 47.

Sturtevant, B. F., Company, Hyde Park, Boston, Mass. Conveying fans. 343,736; Mar. 2; Serial No. 384,144; published Dec. 22, 1936. Class 23.

Sucs. de José Fernández, S. en C., San Juan, P. R. Rum. 343,750; Mar. 2; Serial No. 384,601; published Dec. 15, 1936. Class 49.

Swank Products, Inc. (See Baer & Wilde Company, The, assignor.)

Topics Publishing Co. Inc. (See McKesson & Robbins, Incorporated, assignor.)

Trabert & Hoeffer Inc., New York, N. Y. Diamonds and precious stones. 343,688; Mar. 2; Serial No. 382,934; published Dec. 15, 1936. Class 28.

Triner, Joseph, Corporation, Chicago, Ill. Pineapple juice. 343,701; Mar. 2; Serial No. 383,333; published Dec. 22, 1936. Class 45.

True Value Neckwear Company. (See Glaser, Samuel.)

United States Silica Co., Chicago, Ill., assignor to Ottawa Silica Company, Ottawa, Ill. Sand-blast sand. 117,383; renewed July 3, 1937.

Valvoline Oil Company, Cincinnati, Ohio, and New York, N. Y. Lubricating oils and greases. 343,699; Mar. 2; Serial No. 383,277; published Dec. 15, 1936. Class 15.

Virginia Lens Co., Inc., Petersburg, Va. Ophthalmic lenses. 343,728; Mar. 2; Serial No. 383,966; published Dec. 22, 1936. Class 26.

Walsh, Richard C., New York, N. Y. Barber's supplies. 343,719; Mar. 2; Serial No. 383,832; published Dec. 22, 1936. Class 23.

Waterbury Brewing Co., Inc., The, Waterbury, Conn. Beer. 343,784; Mar. 2. Class 48.

Waterbury Clock Company, The, Waterbury, Conn. Watches. 343,708; Mar. 2; Serial No. 383,513; published Nov. 24, 1936. Class 27.

Webster Electric Company, Racine, Wis. Speakers, amplifiers, microphones, etc. 343,737; Mar. 2; Serial No. 384,136; published Dec. 22, 1936. Class 21.

Weidlich, Bros. M'f'g. Co., The, Bridgeport, Conn. Sterling silver flatware, hollow-ware, etc. 343,673; Mar. 2; Serial No. 379,776; published Dec. 8, 1936. Class 28.

Weitz, S., & Company, Inc., Cleveland, Ohio. Topcoats and overcoats. 343,773; Mar. 2; Serial No. 385,163; published Dec. 22, 1936. Class 39.

West Indies Rum Distilleries Inc., Playa Ponce, P. R. Rum. 343,674; Mar. 2; Serial No. 379,925; published Dec. 15, 1936. Class 49.

Western Clock Co., Peru, Ill., assignor, by mesne assignments to General Time Instruments Corporation, New York, N. Y. Clocks and watches. 114,913; renewed Jan. 9, 1937.

Wilbur-Suchard Chocolate Company, Lititz, Pa. Chocolate. 343,704; Mar. 2; Serial No. 383,413; published Dec. 22, 1936. Class 46.

Windsor Products Company. (See Stewart, Norman W.)

Wirthlin-Mann Company, The, Cincinnati, Ohio. Fire-extinguishers, drills, taps, and reamers. 117,392; renewed July 3, 1937.

Wise Shoe Company, Inc., New York, N. Y. Hosiery. 343,753; Mar. 2; Serial No. 384,639; published Dec. 22, 1936. Class 39.

Wolf, John W., South Croydon, England. Card games. 343,774; Mar. 2; Serial No. 385,206; published Dec. 22, 1936. Class 22.

Wolovnick & Nusblatt, New York, N. Y. Sheets and pillowcases. 343,751; Mar. 2; Serial No. 384,607; published Dec. 22, 1936. Class 42.

Woolf, Preston G., doing business as The Buddie Co., Indianapolis, Ind. Chocolate flavored syrup. 343,655; Mar. 2; Serial No. 375,309; published Dec. 22, 1936. Class 46.

Zeiss, Carl, Jena, Germany. Photographic, microphotographic, projecting, and microscope objectives. 343,763; Mar. 2; Serial No. 384,914; published Dec. 22, 1936. Class 26.

Zeiss, Carl, Jena, Germany. Lenses, eyeglasses, reading glasses, etc. 343,764; Mar. 2; Serial No. 384,915; published Dec. 22, 1936. Class 26.

LIST OF REGISTRANTS OF LABELS

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Sargent Health Shoe. For Shoes. 49,026; Mar. 2.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Supreme Quality. For Shoes. 49,027; Mar. 2.

Colonial Works, Brooklyn, N. Y. Vel-Ve-Ta-Enamel-High Lustre. For Ready Mixed Enamel Paint. 49,028; Mar. 2.

Colonial Works, Brooklyn, N. Y. Vel-Ve-Ta-Enamel-Eggshell Finish. For Ready Mixed Enamel Paint. 49,029; Mar. 2.

Fort Ogden Citrus Growers Ass'n., Fort Ogden, Fla. Spear. For Fresh Fruits. 49,030; Mar. 2.

Hall, Martin L., Company, Boston, Mass. Preferred Stock. For Coffee. 49,031; Mar. 2.

Hall, Martin L., Company. Boston, Mass. Old Boston. For Coffee. 49,032; Mar. 2.

Holland Manufacturing Company, The, Baltimore, Md. Honest Value Tacks. For Sterilized Carpet Tacks. 49,033; Mar. 2.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Quick Drying Enamel. For Quick Drying Enamel. 49,034; Mar. 2.

Maryland-Pikesville Distillery, Inc., Baltimore, Md. Pikesville. For Maryland Straight Rye Whiskey. 49,035; Mar. 2.

Mathios, David, New York, N. Y. Relax Nitewear. For Nightwear. 49,036; Mar. 2.

McBride, C. R., North Hollywood, Calif. Golden Poppy. For Eggs. 49,037; Mar. 2.

Mead Johnson & Company, Evansville, Ohio. Recolac Powdered. For a Food for Infants. 49,038; Mar. 2.

Saniwax Paper Co., Kalamazoo, Mich. Lindy Lou Bread. For Bread. 49,039; Mar. 2.

Saul, E. S., Co., Inc., Seattle, Wash. Jiffy Shoe Cleaner Bag. For Bags for Cleaning Shoes. 49,040; Mar. 2.

Scotland Bakeries of New York, Inc., Mount Vernon, N. Y. Gristede's Family Loaf. For Bread. 49,041; Mar. 2.

Short, J. R., Milling Company, Chicago, Ill. Wytola. For a Shortening which serves to Whiten Bread. 49,042; Mar. 2.

Sparklets Corporation, New York, N. Y. Sparklets. For Beverage Charging Bulbs. 49,043; Mar. 2.

Standard Brands Incorporated, New York, N. Y. Royal. For Chocolate Flavor Pudding. 49,044; Mar. 2.

Standard Brands Incorporated, New York, N. Y. Chase and Sanborn Texas Blend. For Coffee. 49,045; Mar. 2.

Standard Brands Incorporated, New York, N. Y. Tender Leaf. For Tea. 49,046; Mar. 2.

Standard Brands Incorporated, New York, N. Y. Royal. For Vanilla Pudding. 49,047; Mar. 2.

Symonds, A. D., & Son, Orlando, Fla. Two Friends. For Fresh Citrus Fruits. 49,048; Mar. 2.

Yough Brewing Co., Connelsville, Pa. Rhineland. For Lager Beer. 49,049; Mar. 2.

LIST OF REGISTRANTS OF PRINTS

Autographic Register Company, Hoboken, N. J. The New Autographic Register. For Manifolding Devices and Manifolding Supplies. 16,097; Mar. 2.

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. My 100% Hand-Dipped Chocolates, Assorted Creams, Chews. For Candy, Chocolates, Chocolate Nuts and Salted Nuts. 16,098; Mar. 2.

Cream of Wheat Corporation, The, Minneapolis, Minn. It's "Tough" to be a Little Chap! For Wheat Breakfast Food. 16,099; Mar. 2.

General Mills, Inc., Minneapolis, Minn. $4.00 Medality Service Platter for $1.00. For Biscuit Flour. 16,100; Mar. 2.

Luchow Importing Corporation, New York, N. Y. Würzburger Hofbräu. For Imported Wurzburger Hofbrau Beer. 16,101; Mar. 2.

Luchow Importing Corporation, New York, N. Y. Genuine Imported Würzburger Hofbräu Edelquell. For Imported Wurzburger Hofbrau Beer. 16,102; Mar. 2.

Nebraska Appliance Company, Lincoln, Nebr. The Modern Cold Storage Locker System. For Cold Storage Lockers and Cold Storage Locker Systems. 16,103; Mar. 2.

Nestle's Milk Products, Inc., New York, N. Y. Hey, Professor. For a Milk Product. 16,104; Mar. 2.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Island Creek Coal Sales Company. 343,680; Mar. 2; Serial No. 382,477; published Dec. 22, 1936.

CLASS 2

Bags, Paper. Capital Paper Company. 115,486; renewed Feb. 20, 1937.

Containers for bread, cake, etc. Z. M. Angelin. 343,711; Mar. 2; Serial No. 383,615; published Dec. 22, 1936.

CLASS 4

Sand, Sand-blast. United States Silica Co. 117,383; renewed July 3, 1937.

CLASS 5

Tape and rim cement, Friction. Pure Oil Company. 343,650; Mar. 2; Serial No. 372,993; published Dec. 15, 1936.

CLASS 6

Chemical and pharmaceutical preparations. Northam Warren Corporation. 117,353; renewed July 3, 1937.

Extracts, Dyewood. MacAndrews & Forbes Company. 116,908; renewed June 5, 1937.

Medicinal preparation. Radiex Laboratories. 343,669; Mar. 2; Serial No. 378,452; published Nov. 24, 1936.

Preparation for the treatment of the throat. J. H. Miller. 343,712; Mar. 2; Serial No. 383,633; published Dec. 15, 1936.

Tablets for use by dentists in the treatment of teeth. J. A. Gardner. 115,444; renewed Feb. 13, 1937.

Treatment for cough, etc. Martin H. Smith Co. 117,373; renewed July 3, 1937.

CLASS 8

Pipe, Tobacco smoking. McMackin-Blair Company. 343,783; Mar. 2.

CLASS 10

Fertilizer and fertilizer materials. Koppel Industrial Car and Equipment Co. 343,755; Mar. 2; Serial No. 384,711; published Dec. 22, 1936.

Fertilizers. Hampton Guano Company. 115,332; renewed Feb. 6, 1937.

CLASS 12

Building construction materials. W. R. Simons. 343,641; Mar. 2; Serial No. 368,958; published Dec. 22, 1936.

Cement, Portland. San Antonio Portland Cement Company. 343,668; Mar. 2; Serial No. 378,234; published Dec. 15, 1936.

Cement, Thermal insulating. Philip Carey Manufacturing Company. 343,698; Mar. 2; Serial No. 383,256; published Dec. 15, 1936.

Composition construction and building material. Rohan Company. 343,683; Mar. 2; Serial No. 382,525; published Dec. 8, 1936.

Granite. Allen Granite Company. 343,714; Mar. 2; Serial No. 383,709; published Dec. 22, 1936.

Lumber and wood products. M and M Wood Working Company. 343,720; Mar. 2; Serial No. 383,843; published Dec. 8, 1936.

Lumber treated with a chemical preparation as a protection against fire, etc. A. Gordon. 343,681; Mar. 2; Serial No. 382,512; published Dec. 15, 1936.

Plywood. M and M Woodworking Company. 343,721–2; Mar. 2; Serial Nos. 383,844–5; published Dec. 8, 1936.

Stone which possesses the property of absorbing sound, Artificial. H. W. Johns-Manville Co. 114,973; renewed Jan. 16, 1937.

Wall boards, gypsum wall boards and lath, etc., Composition. Certain-Teed Products Corporation. 343,676; Mar. 2; Serial No. 380,860; published Dec. 15, 1936.

CLASS 13

Chemical feeding fittings for roof drains. Stone & Murphy, Inc. 343,788; Mar. 2.

CLASS 15

Candles, votive, sanctuary, and tabernacle lights. A. Gross Candle Company. 343,717; Mar. 2; Serial No. 383,735; published Dec. 8, 1936.

Grease, pressure gun grease, transmission grease, etc., Cup. Pullman Chemical Company. 343,785; Mar. 2.

Oil and grease, Lubricating. Ditto, Incorporated. 343,640; Mar. 2; Serial No. 367,187; published Dec. 8, 1936.

Oil, Lubricating. Paragon Oil Company. 343,663; Mar. 2; Serial No. 377,415; published Dec. 1, 1936.

Oil, Lubricating. Scientific Oil Corporation. 343,654; Mar. 2; Serial No. 374,909; published Dec. 22, 1936.

Oil, Refined petroleum. Socony-Vacuum Oil Company. 343,713; Mar. 2; Serial No. 383,654; published Dec. 8, 1936.

Oils and greases, Lubricating. Valvoline Oil Company. 343,699; Mar. 2; Serial No. 383,277; published Dec. 15, 1936.

Oils, Lubricating. Socony-Vacuum Oil Company. 343,733–4; Mar. 2; Serial Nos. 384,102–3; published Dec. 8, 1936.

Petroleum products. Bulk Service Stations, Inc. 343,636; Mar. 2; Serial No. 355,827; published Dec. 8, 1936.

CLASS 16

Paints, varnishes, paint enamels. Payson Varnish Co. 343,703; Mar. 2; Serial No. 383,404; published Dec. 22, 1936.

CLASS 19

Lenses and buttons, Automobile safety reflecting and signal. Globe Specialty Company. 343,695; Mar. 2; Serial No. 383,128; published Dec. 22, 1936.

Vehicular accessories. Elma Products Company. 343,666; Mar. 2; Serial No. 378,134; published Dec. 15, 1936.

CLASS 21

Batteries and battery cables. Pure Oil Company. 343,651; Mar. 2; Serial No. 372,994; published Dec. 22, 1936.

Electric suction cleaners. Marshall Field & Company. 116,755; renewed May 22, 1937.

Electrical insulating material. Continental Fibre Company. 117,249; renewed June 26, 1937.

Electrically operated duplicating machines. Ditto, Incorporated. 343,766; Mar. 2; Serial No. 384,959; published Dec. 22, 1936.

Speakers, amplifiers, microphones, etc. Webster Electric Company. 343,737; Mar. 2; Serial No. 384,146; published Dec. 22, 1936.

CLASS 22

Fish hooks. Enterprise Manufacturing Company. 343,779; Mar. 2; Serial No. 385,349; published Dec. 22, 1936.

Game. Parker Brothers, Inc. 343,776–8; Mar. 2; Serial Nos. 385,232–4; published Dec. 22, 1936.

Game, Card. J. W. Wolf. 343,774; Mar. 2; Serial No. 385,206; published Dec. 22, 1936.

Games, Board. Selchow & Righter Company. 343,782; Mar. 2; Serial No. 385,539; published Dec. 22, 1936.

Toy banks. E. K. Lincoln. 343,780–1; Mar. 2; Serial Nos. 385,442–3; published Dec. 22, 1936.

CLASS 23

Barber's supplies. R. C. Walsh. 343,719; Mar. 2; Serial No. 383,832; published Dec. 22, 1936.

Fans, Conveying. B. F. Sturtevant Company. 343,736; Mar. 2; Serial No. 384,144; published Dec. 22, 1936.
Filters, Oil. De Luxe Products Corporation. 343,726; Mar. 2; Serial No. 383,915; published Dec. 22, 1936.
Fire-extinguishers, drills, taps, and reamers. Wirthlin-Mann Company. 117,392; renewed July 3, 1937.
Milking machines and parts thereof. International Harvester Company. 343,690; Mar. 2; Serial No. 383,018; published Dec. 22, 1936.
Milking machines and parts thereof. International Harvester Company. 343,691–2; Mar. 2; Serial Nos. 383,021–2; published Dec. 22, 1936.
Razors, shears, scissors, etc. Bresduck, Inc. 343,665; Mar. 2; Serial No. 378,033; published Dec. 22, 1936.
Sedimentation apparatus. Dorr Company. 343,664; Mar. 2; Serial No. 377,460; published Dec. 22, 1936.

CLASS 25

Seals, Metal. Sachs-Lawlor Co. 343,658; Mar. 2; Serial No. 376,104; published Dec. 22, 1936.

CLASS 26

Device for measuring foods. P. G. Schreuders. 343,723; Mar. 2; Serial No. 383,859; published Dec. 22, 1936.
Instrument for controlling humidity and temperature. Julien P. Friez & Sons, Inc. 343,646; Mar. 2; Serial No. 371,094; published Dec. 22, 1936.
Lenses, eyeglasses, reading glasses, etc. C. Zeiss 343,764; Mar. 2; Serial No. 384,915; published Dec. 22, 1936.
Lenses, Ophthalmic. Virginia Lens Co. 343,728; Mar. 2; Serial No. 383,966; published Dec. 22, 1936.
Meter, Parking. H. Masterson. 343,671; Mar. 2; Serial No. 379,278; published Dec. 22, 1936.
Photographic, microphotographic, projecting, and microscope objectives. C. Zeiss. 343,763; Mar. 2; Serial No. 384,914; published Dec. 22, 1936.

CLASS 27

Clocks and watches. Western Clock Co. 114,913; renewed Jan. 9, 1937.
Watches. Waterbury Clock Company. 343,708; Mar. 2; Serial No. 383,513; published Nov. 24, 1936.

CLASS 28

Diamonds and precious stones. Trabert & Hoeffer Inc. 343,688; Mar. 2; Serial No. 382,934; published Dec. 15, 1936.
Flat-ware, hollow-ware, and cutlery. International Silver Company. 343,727; Mar. 2; Serial No. 383,928; published Dec. 8, 1936.
Flatware, hollow-ware, etc., Sterling silver. Weidlich Bros. M'f'g. Co. 343,673; Mar. 2; Serial No. 379,776; published Dec. 8, 1936.
Watch chains, watch chain findings, etc. H. Segal. 343,652; Mar. 2; Serial No. 374,163; published Dec. 15, 1936.

CLASS 33

Glass drinking novelties. Baer & Wilde Company. 343,639; Mar. 2; Serial No. 366,352; published Dec. 22, 1936.

CLASS 34

Air conditioning units. Apex Manufacturing Company. 343,696; Mar. 2; Serial No. 383,202; published Dec. 22, 1936.
Lanterns and burners and metal parts thereof, Oil burning. R. E. Dietz Company. 343,725; Mar. 2; Serial No. 383,876; published Dec. 22, 1936.

CLASS 35

Belts, Double V-shaped. Gates Rubber Company. 343,765; Mar. 2; Serial No. 384,945; published Dec. 22, 1936.
Packing, power transmission belting, and brake lining. Machinery. H. Case. 343,731; Mar. 2; Serial No. 384,028; published Dec. 22, 1936.
Patches for automobiles, fan belts, hot patches, etc., Top. Pure Oil Company. 343,649; Mar. 2; Serial No. 372,992; published Dec. 22, 1936.
Tire-repair gum materials in sheet form. Firestone Tire & Rubber Company. 343,647; Mar. 2; Serial No. 371,261; published Jan. 7, 1936.

CLASS 36

Musical instruments. H. T. Heberlein, Jr. 114,884; renewed Jan. 9, 1937.
Strings for banjos, etc. National Musical String Co. 343,700; Mar. 2; Serial No. 383,321; published Dec. 22, 1936.

CLASS 37

Paper, kraft paper, Wrapping. Southern Kraft Corporation. 343,644; Mar. 2; Serial No. 370,902; published Dec. 22, 1936.
Papers, Coated. Ditto, Incorporated. 343,661; Mar. 2; Serial No. 377,102; published Dec. 22, 1936.

CLASS 38

Periodicals. McKesson & Robbins, Incorporated. 116,960; renewed June 5, 1937.

CLASS 39

Coats, suits, and dresses. J. C. Penney Company. 343,767; Mar. 2; Serial No. 384,975; published Dec. 22, 1936.
Coats, trousers, vests, etc. Sox Miller, Inc. 343,758; Mar. 2; Serial No. 384,810; published Dec. 22, 1936.
Coats, vests, trousers, etc. Goldenberg's. 117,436; renewed July 10, 1937.
Cravats. S. Glaser. 343,672; Mar. 2; Serial No. 379,699; published Dec. 22, 1936.
Dresses, suits, rompers, etc. Rosenau Bros. Inc. 343,769; Mar. 2; Serial No. 385,008; published Dec. 22, 1936.
Hats for men. F. Berg & Co. 116,938; renewed June 5, 1937.
Hosiery. Rice-Stix Dry Goods Company. 116,921; renewed June 5, 1937.
Hosiery. Wise Shoe Company. 343,753; Mar. 2; Serial No. 384,639; published Dec. 22, 1936.
Hosiery, Women's. Gimbel Brothers, Inc. 343,749; Mar. 2; Serial No. 384,587; published Dec. 15, 1936.
Neckties, Wash. M. Berzer Co. 343,642; Mar. 2; Serial No. 369,561; published Dec. 22, 1936.
Neckwear. Eisenstaedt Bros. Co. 343,689; Mar. 2; Serial No. 382,975; published Dec. 22, 1936.
Slips, gowns, dance sets, etc. Laros Textiles Company. 343,675; Mar. 2; Serial No. 380,578; published Dec. 22, 1936.
Topcoats and overcoats. S. Weitz & Company. 343,773; Mar. 2; Serial No. 385,163; published Dec. 22, 1936.
Underwear. Robert Reis & Co. 117,060; renewed June 12, 1937.
Underwear. Robert Reis & Co. 117,358; renewed July 3, 1937.
Underwear, Women's. American Manufacturing Corporation, Inc. 343,739; Mar. 2; Serial No. 384,230; published Dec. 22, 1936.

CLASS 40

Combs for combing the hair. Foreign Specialties, Inc. 343,660; Mar. 2; Serial No. 376,990; published Dec. 22, 1936.
Shoe strings and lacings, tapes, and laggoons. Cordo-Hyde Company. 116,945; renewed June 5, 1937.

CLASS 42

Cotton piece goods. Amoskeag Manufacturing Company. 115,430; renewed Feb. 13, 1937.
Cotton piece goods. Rice-Stix Dry Goods Co. 343,752; Mar. 2; Serial No. 384,631; published Dec. 22, 1936.
Fabric, Dress. Lesher, Whitman & Co. 117,340; renewed July 3, 1937.
Fabrics. H. R. Mallinson & Company. 343,653; Mar. 2; Serial No. 374,722; published Apr. 7, 1936.
Knitted, netted, and textile fabrics. L. C. Chase & Company. 117,294; renewed July 3, 1937.
Knitted, netted, and textile fabrics. Lesher, Whitman & Co. 117,045; renewed June 12, 1937.
Linen. Carleton Schaller & Co. 343,747; Mar. 2; Serial No. 384,480; published Dec. 22, 1936.
Piece goods, Cut. Passaic Woolflex Manufacturing Company. 343,761; Mar. 2; Serial No. 384,862; published Dec. 22, 1936.
Robes, Plush lap. Sidney Blumenthal & Co. Inc. 115,584; renewed Feb. 27, 1937.
Sheets and pillowcases. Wolovnick & Nusblatt. 343,751; Mar. 2; Serial No. 384,607; published Dec. 22, 1936.
Textile fabrics, coverlets, quilts, etc. Pepperell Manufacturing Company. 343,762; Mar. 2; Serial No. 384,864; published Dec. 22, 1936.
Textile fabrics, sheets, pillow cases, etc. Pepperell Manufacturing Company. 343,670; Mar. 2; Serial No. 378,673; published Oct. 27, 1936.
Velvets, velveteens, sateens, etc. Balstone Cooke & Co. Ld. 115,058; renewed Jan. 23, 1937.

CLASS 43

Thread and yarn. Craigleith Woollen Company. 343,787; Mar. 2.

CLASS 44

Crayons and paste used for marking the skin preparatory to taking X-rays. American Crayon Company. 343,702; Mar. 2; Serial No. 383,381; published Dec. 22, 1936.
Dental, medical, and surgical appliances. Davol Rubber Company. 117,118; renewed June 19, 1937.
Surgical, chirurgical, and medical instruments. Kny-Scheerer Corporation. 343,634; Mar. 2; Serial No. 315,461; published Aug. 4, 1931.

CLASS 45

Beverages and syrups and extracts for making same. Scotch Products, Inc. 343,657; Mar. 2; Serial No. 375,670; published Aug. 4, 1936.

Beverages and syrups, extracts, and flavors used in making the same. J. F. Lasser. 343,760; Mar. 2; Serial No. 384,855; published Dec. 22, 1936.
Flavors for making punches and soft drinks. Minute Foods Ltd. 343,679; Mar. 2; Serial No. 381,915; published Dec. 22, 1936.
Pineapple juice. Joseph Triner Corporation. 343,701; Mar. 2; Serial No. 383,333; published Dec. 22, 1936.
Water, Bottled. Mineral Waters, Inc. 343,682; Mar. 2; Serial No. 382,516; published Dec. 22, 1936.

CLASS 46

Biscuits. Burry Biscuit Corporation. 343,746; Mar. 2; Serial No. 384,447; published Dec. 22, 1936.
Bread. Kroger Grocery & Baking Company. 343,732; Mar. 2; Serial No. 384,088; published Dec. 22, 1936.
Butter. F. H. George & Company. 115,955; renewed Mar. 27, 1937.
Cakes. Helms Bakeries. 343,707; Mar. 2; Serial No. 383,505; published Dec. 22, 1936.
Candy. Cook Specialty Company. 343,724; Mar. 2; Serial No. 383,874; published Dec. 22, 1936.
Canned fruits. Mor-Pak Preserving Corporation. 343,718; Mar. 2; Serial No. 383,745; published Dec. 22, 1936.
Canned fruits and vegetables. John Sexton & Co. 115,237; renewed Jan. 30, 1937.
Canned fruits, canned vegetables, apple sauce. Greencastle Packing Company. 343,716; Mar. 2; Serial No. 383,734; published Dec. 15, 1936.
Canned Hawaiian pineapple. Haserot Company. 343,685; Mar. 2; Serial No. 382,647; published Dec. 15, 1936.
Canned soup. A. J. Slingerland. 343,706; Mar. 2; Serial No. 383,419; published Dec. 22, 1936.
Canned vegetable consomme. Francis H. Leggett & Company. 343,693; Mar. 2; Serial No. 383,065; published Dec. 22, 1936.
Chocolate. Wilbur-Suchard Chocolate Company. 343,704; Mar. 2; Serial No. 383,413; published Dec. 22, 1936.
Cocoa, chocolate, chocolate candy, etc. Chocolat Suchard Societe Anonyme. 343,662; Mar. 2; Serial No. 377,300; published Dec. 15, 1936.
Coffee. American Stores Company. 343,745; Mar. 2; Serial No. 384,364; published Dec. 15, 1936.
Coffee. Bustelo Coffee Roasting Co. 343,743; Mar. 2; Serial No. 384,243; published Dec. 22, 1936.
Confections, Frozen. Joe Lowe Corporation. 343,710; Mar. 2; Serial No. 383,588; published Dec. 15, 1936.
Cranberries and cranberry sauce, Fresh. C. & E. Canners. 343,697; Mar. 2; Serial No. 383,253; published Dec. 22, 1936.
Feed, Horse and cow. John Morrell & Co. 343,744; Mar. 2; Serial No. 384,297; published Dec. 22, 1936.
Feeds for poultry and livestock. New England Retail Grain Dealers Co-operative Association. 343,687; Mar. 2; Serial No. 382,926; published Dec. 22, 1936.
Feeds, Stock. Bewley Mills. 343,656; Mar. 2; Serial No. 375,420; published Dec. 22, 1936.
Fish products. Scherlis & Katz Fish Co. 343,143; Mar. 2; Serial No. 369,782; published Dec. 15, 1936.
Food, Dog. Allied Mills, Inc. 343,715; Mar. 2; Serial No. 383,710; published Dec. 15, 1936.
Food products. National Packing Company. 343,75•; Mar. 2; Serial No. 384,758; published Dec. 22, 1936.
Foods for animals, etc. Spratt's Patent (America) Limited. 117,483; renewed July 10, 1937.
Ice cream, U. F. Asselin. 343,740; Mar. 2; Serial No. 384,233; published Dec. 22, 1936.
Milk preparation, Skimmed. Lactol Corporation. 343,667; Mar. 2; Serial No. 378,210; published Dec. 15, 1936.
Nut-like edible product. Soy Bean Products Co. 343,659; Mar. 2; Serial No. 376,305; published May 26, 1936.
Olive oils, olives, dry cod fish, etc. Corte & Co. 343,638; Mar. 2; Serial No. 365,062; published Dec. 22, 1936.
Oranges and lemons. Randolph Marketing Company. 117,265; renewed June 26, 1937.
Peanuts and popcorn. Carbon Peanut Company. 343,694; Mar. 2; Serial No. 383,085; published Dec. 15, 1936.
Pears, Fresh. Rosenberg Brothers. 343,706; Mar. 2; Serial No. 383,445; published Dec. 15, 1936.
Potatoes and onions. H. C. Buttner. 343,738; Mar. 2; Serial No. 384,189; published Dec. 15, 1936.
Rice. J. Aron & Company. 343,786; Mar. 2.
Rice. Kaplan Rice Mill, Inc. 343,709; Mar. 2; Serial No. 383,532; published Dec. 15, 1936.
Sandwiches, Hamburger. Krystal Company. 343,677; Mar. 2; Serial No. 380,952; published Dec. 22, 1936.
Sauce for barbecued meats. H. Snyder. 343,754; Mar. 2; Serial No. 384,677; published Dec. 22, 1936.
Syrup, Chocolate flavored. P. G. Woolf. 343,655; Mar. 2; Serial No. 375,309; published Dec. 22, 1936.
Worcestershire sauce. N. W. Stewart. 343,678; Mar. 2; Serial No. 381,883; published Dec. 15, 1936.

CLASS 47

Vermouth. Etablissements Pernod, Maisons Pernod Fils, Hemard & Pernod Pere & Fils Reunies (Société Anonyme). 343,684; Mar. 2; Serial No. 382,624; published Dec. 22, 1936.
Wine. Bisceglia Bros. 343,741; Mar. 2; Serial No. 384,235; published Dec. 22, 1936.
Wine. Bisceglia Bros. 343,742; Mar. 2; Serial No. 384,237; published Dec. 22, 1936.
Wine. European Wine Exporters' & Growers Agencies, Inc. 343,730; Mar. 2; Serial No. 383,993; published Dec. 22, 1936.
Wines. California Vineyards, Inc. 343,729; Mar. 2; Serial No. 383,980; published Dec. 22, 1936.
Wines, German. B., M. & J. Strauss Ltd. 343,735; Mar. 2; Serial No. 384,143; published Dec. 22, 1936.

CLASS 48

Ale. Free State Brewery Corporation. 343,759; Mar. 2; Serial No. 384,848; published Dec. 22, 1936.
Beer. Stanton Brewery, Inc. 343,757; Mar. 2; Serial No. 384,766; published Dec. 22, 1936.
Beer. Waterbury Brewing Co. 343,784; Mar. 2.

CLASS 49

Bitters, Alcoholic. Elby Extract Co. 343,645; Mar. 2; Serial No. 370,918; published Dec. 15, 1936.
Brandy. Gimbel Brothers, Inc. 343,748; Mar. 2; Serial No. 384,586; published Dec. 15, 1936.
Gin, Distilled. Siboney Distilling Corporation. 343,772; Mar. 2; Serial No. 385,114; published Dec. 15, 1936.
Gin, Dry. Oldetyme Distillers, Inc. 343,770; Mar. 2; Serial No. 385,057; published Dec. 15, 1936.
Liqueurs or cordials. Benediktiner-Abtei Ettal. 343,637; Mar. 2; Serial No. 363,787; published Dec. 15, 1936.
Rum. Phillip Blum & Company. 343,775; Mar. 2; Serial No. 385,209; published Dec. 15, 1936.
Rum. Sucs, De José Fernández, S. En C. 343,750; Mar. 2; Serial No. 384,601; published Dec. 15, 1936.
Rum. West Indies Rum Distilleries Inc. 343,674; Mar. 2; Serial No. 379,925; published Dec. 15, 1936.
Whiskey. Los Angeles Brewing Co. 343,648; Mar. 2; Serial No. 372,522; published Dec. 15, 1936.
Whiskey. Seager Evans & Co. Limited. 343,771; Mar. 2; Serial No. 385,111; published Dec. 15, 1936.
Whiskey, Silver Swan Liquor Corporation. 343,768; Mar. 2; Serial No. 384,978; published Dec. 15, 1936.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 343,635; Mar. 2; Serial No. 343,968; published Feb. 18, 1936.

CLASS 50

Closures for bottles and the like. Crown Cork and Seal Company of Baltimore City. 117,422; renewed July 10, 1937.
Leather, coated textile fabrics, and a leather substitute, Artificial. L. C. Chase & Company. 117,416; renewed July 10, 1937.
Mantel pieces, statuettes, and statuary figures, Ornamental. G. B. Collis. 343,686; Mar. 2; Serial No. 382,788; published Dec. 22, 1936.

LIST OF LABELS

Chase and Sanborn Texas Blend. For Coffee. Standard Brands Incorporated. 49,045; Mar. 2.
Golden Poppy. For Eggs. C. R. McBride. 49,037; Mar. 2.
Gristede's Family Loaf. For Bread. Scotland Bakeries of New York, Inc. 49,041; Mar. 2.
Honest Value Tacks. For Sterilized Carpet Tacks. Holland Manufacturing Company. 49,033; Mar. 2.
Jiffy Shoe Cleaner Bag. For Bags for Cleaning Shoes. E. S. Saul Co. 49,040; Mar. 2.
Johnson's Quick Drying Enamel. For Quick Drying Enamel. S. C. Johnson & Son, Inc. 49,034; Mar. 2.
Lindy Lou Bread. For Bread. Saniwax Paper Co. 49,039; Mar. 2.
Old Boston. For Coffee. Martin L. Hall Company. 49,032; Mar. 2.
Pikesville. For Maryland Straight Rye Whiskey. Maryland-Pikesville Distillery, Inc. 49,035; Mar. 2.
Preferred Stock. For Coffee. Martin L. Hall Company. 49,031; Mar. 2.
Recolac Powdered. For a Food for Infants. Mead Johnson & Company. 49,038; Mar. 2.
Relax Nitewear. For Nightwear. D. Mathios. 49,036; Mar. 2.
Rhineland. For Lager Beer. Yough Brewing Co. 49,049; Mar. 2.
Royal. For Chocolate Flavor Pudding. Standard Brands Incorporated. 49,044; Mar. 2.
Royal. For Vanilla Pudding. Standard Brands Incorporated. 49,047; Mar. 2.
Sargent Health Shoe. For Shoes. M. B. Claff & Sons, Inc. 49,026; Mar. 2.

Sparklets. For Beverage Charging Bulbs. Sparklets Corporation. 49,043; Mar. 2.
Spear. For Fresh Fruits. Fort Ogden Citrus Growers Assn. 49,030; Mar. 2.
Supreme Quality. For Shoes. M. B. Claff & Sons, Inc. 49,027.
Tender Leaf. For Tea. Standard Brands Incorporated. 49,046; Mar. 2.
Two Friends. For Fresh Citrus Fruits. A. D. Symonds & Son. 49,048; Mar. 2.
Vel-Ve-Ta—Enamel—Eggshell Finish. For Ready Mixed Enamel Paint. Colonial Works. 49,029; Mar. 2.
Vel-Ve-Ta—Enamel—High Lustre. For Ready Mixed Enamel Paint. Colonial Works. 49,028; Mar. 2.
Wytola. For a Shortening Which Serves to Whiten Bread. J. R. Short Milling Company. 49,042; Mar. 2.

LIST OF PRINTS

$4.00 Medality Service Platter for $1.00. For Biscuit Flour. General Mills, Inc. 16,100; Mar. 2.

Genuine Imported Würzburger Hofbräu Edelquell. For Imported Wurzburger Hofbräu Beer. Luchow Importing Corporation. 16,102; Mar. 2.

Hey, Professor. For a Milk Product. Nestle's Milk Products, Inc. 16,104; Mar. 2.

It's "Tough" to be a Little Chap! For Wheat Breakfast Food. Cream of Wheat Corporation. 16,099; Mar. 2.

My 100% Hand-Dipped Chocolates, Assorted Creams, Chews. For Candy, Chocolates, Chocolate Nuts and Salted Nuts. Awful Fresh MacFarlane. 16,098; Mar. 2.

The Modern Cold Storage Locker System. For Cold Storage Lockers and Cold Storage Locker Systems. Nebraska Appliance Company. 16,103; Mar. 2.

The New Autographic Register. For Manifolding Devices and Manifolding Supplies. Autographic Register Company. 16,097; Mar. 2.

Würzburger Hofbräu. For Imported Wurzburger Hofbrau Beer. Luchow Importing Corporation. 16,101; Mar. 2.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Leone, Albert. (See Miller, C., and Leone.)
Miller, Charles, and A. Leone, Long Island City, N. Y., said Leone assignor to I. Miller & Sons, Incorporated. Making shoes. 20,280; Mar. 2.
Miller, I., & Sons, Incorporated. (See Miller, C., and Leone, assignor.)

LIST OF DESIGN PATENTEES

Allen, S. L., & Co. (See Birkhead, Frank G., assignor.)
Amend, Fred W., Evanston, assignor to Fred W. Amend Co., Chicago, Ill. Container. 103,446; Mar. 2.
Amend, Fred W., Co. (See Amend, Fred W., assignor.)
American Coach & Body Company. (See Larsen, Neil P., assignor.)
American Optical Company. (See Wells, Joel C., assignor.)
Automatic Business Machines, Inc. (See Kuhler, Otto, assignor.)
Bassick Company, The. (See Herold, Walter F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cruser, Victor I., assignor.)
Birkhead, Frank G., assignor to S. L. Allen & Co., Inc., Philadelphia, Pa. Wheeled coaster. 103,419; Mar. 2.
Bloomfield, Samuel, Chicago, Ill. Potato slicer. 103,384; Mar. 2.
Boucher, Marcel, Eltingville, N. Y., assignor to Mazer Brothers, New York, N. Y. Brooch pin or similar article. 103,385; Mar. 2.
Briggs Manufacturing Company. (See Callahan, John A., assignor.)
Brock, Clarence A., assignor to Rexair Corporation, Detroit, Mich. Vacuum cleaner. 103,420; Mar. 2.
Cahn, Oscar J., New York, N. Y. Textile fabric. 103,421; Mar. 2.
Callahan, John A., assignor to Briggs Manufacturing Company, Detroit, Mich. Bathtub. 103,481; Mar. 2.
Callahan, John A., assignor to Briggs Manufacturing Company, Detroit, Mich. Bathtub. 103,482; Mar. 2.
Chesler, Isidor, West Orange, N. J., assignor to Eagle Pencil Company, New York, N. Y. Lead pencil. 103,386; Mar. 2.
Chesler, Isidor, West Orange, N. J., assignor to Eagle Pencil Company, New York, N. Y. Lead container. 103,387; Mar. 2.
Clapp, George W., New York, N. Y. Store. 103,388; Mar. 2.
Coleman, Tora, assignor to Alexander Gross, Inc., New York, N. Y. Dress. 103,447; Mar. 2.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Container closure. 103,389; Mar. 2.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Strainer. 103,390; Mar. 2.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Bread box. 103,391; Mar. 2.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Tray. 103,392; Mar. 2.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Waste basket or similar container. 103,422; Mar. 2.
Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 103,438; Mar. 2.
Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 103,448; Mar. 2.
Cruser, Victor I., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switchboard casing. 103,439; Mar. 2.
Delta Electric Company. (See Wiley, Lee M., assignor.)
Doering, Charles, Chicago, Ill. Print device for dairy products. 103,393; Mar. 2.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Eagle Pencil Company. (See Chesler, Isidor, assignor.)
Emerson Electric Mfg. Co., The. (See Weber, Victor, assignor.)
Forstmann, Curt E., Montclair, N. J. Textile fabric. 103,423; Mar. 2.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 103,424; Mar. 2.
Frei, John, Jr., Chicago, Ill. Illuminated advertising device. 103,394; Mar. 2.
Friden Calculating Machine Co. (See Friden, Carl M. F., assignor.)
Friden, Carl M. F., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Calculating machine with shiftable carriage. 103,425; Mar. 2.
Fuerst, Edwin W., Toledo, Ohio, assignor to The Parker Pen Company, Janesville, Wis. Bottle. 103,426; Mar. 2.
Geist, Irving, New York, N. Y. Blouse. 103,449; Mar. 2.
Gerton, Philip, New York, N. Y. Ladies' hose or similar article. 103,427; Mar. 2.
Gredinger, Larry, New York, N. Y. Ensemble dress. 103,450; Mar. 2.
Gross, Alexander S., Inc. (See Coleman, Tora, assignor.)
Grossmann, Irving E., New Rochelle, N. Y. Shoe or similar article. 103,395; Mar. 2.
Grossmann, Irving E., New Rochelle, N. Y. Shoe or similar article. 103,396; Mar. 2.
Grossmann, Irving E., New Rochelle, N. Y. Shoe or similar article. 103,397; Mar. 2.
Grossmann, Irving E., New Rochelle, N. Y. Shoe or similar article. 103,398; Mar. 2.
Grossmann, Irving E., New Rochelle, N. Y. Shoe or similar article. 103,399; Mar. 2.
Gruen Watch Company, The. (See Katz, Benjamin S., assignor.)
Guth, Edwin F., Webster Groves, Mo. Illuminating fixture. 103,428; Mar. 2.
Heller, Henry R., Larchmont, N. Y. Upright piano. 103,400; Mar. 2.
Heller, Henry R., Larchmont, N. Y. Upright piano. 103,401; Mar. 2.
Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Caster. 103,451; Mar. 2.
Horsley, James H., Chicago, Ill. Lamp. 102,452; Mar. 2.
House, Thomas M., Richmond, Va. Ashtray. 103,429; Mar. 2.
Iannelli, Alfonso, Park Ridge, assignor to The Wahl Company, Chicago, Ill. Pencil or similar article. 103,402; Mar. 2.
Iannelli, Alfonso, Park Ridge, assignor to The Wahl Company, Chicago, Ill. Pencil or similar article. 103,403; Mar. 2.
Jackson, George McS., Lake Bluff, assignor to The Quickwork Company, Chicago, Ill. Dust pan or the like. 103,453; Mar. 2.
Johnson Nut Company. (See Petzke, Franklin J., assignor.)
Katz, Benjamin S., assignor to The Gruen Watch Company, Cincinnati, Ohio. Watchcase. 103,454; Mar. 2.
Katz, Benjamin S., assignor to The Gruen Watch Company, Cincinnati, Ohio. Watchcase. 103,455; Mar. 2.
Kaufmann, Frank J., Tribes Hill, N. Y. Glove. 103,456; Mar. 2.
Kell, David, New York, N. Y. Dress. 103,457; Mar. 2.
Kranz, Irwin, New York, N. Y. Dress. 103,458; Mar. 2.
Kuhler, Otto, Grantwood, N. J., assignor to Automatic Business Machines, Inc., Pittsburgh, Pa. Combined automatic typewriter and stand. 103,459; Mar. 2.
Larsen, Neil P., assignor to American Coach & Body Company, Cleveland, Ohio. Vehicle body. 103,460; Mar. 2.
Leppke, Louis A., Omaha, Nebr. Drinking vessel. 103,430; Mar. 2.
Liddle, Nellie R., New York, N. Y. Combination spout and cover shield or the like. 103,404; Mar. 2.
Mazer Brothers. (See Boucher, Marcel, assignor.)
Mehler, Hugo, Buny-Hut Farms, Pa. Braid or similar article. 103,431; Mar. 2.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Lamp or similar accessory for vehicles. 103,432; Mar. 2.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Vehicle heater casing or the like. 103,440; Mar. 2.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Vehicle heater casing or the like. 103,441; Mar. 2.

Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Vehicle heater casing or the like. 103,442; Mar. 2.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Wall cabinet. 103,405; Mar. 2.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 103,461; Mar. 2.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 103,462; Mar. 2.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 103,463; Mar. 2.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 103,464; Mar. 2.
Okun, Nathaniel N., New York, N. Y. Casing for polishing machines. 103,465; Mar. 2.
Owens-Illinois Can Company. (See Connor, Martha H., assignor.)
Pacific Radio Corporation. (See Price, Joseph, assignor.)
Parker Pen Company, The. (See Fuerst, Edwin W., assignor.)
Perkins, Julian L., West Springfield, Mass. Wringer head or similar article. 103,406; Mar. 2.
Petzke, Franklin J., assignor to Johnson Nut Company, Minneapolis, Minn. Display case. 103,407; Mar. 2.
Price, Joseph, assignor to Pacific Radio Corporation, Chicago, Ill. Radio cabinet. 103,443; Mar. 2.
Quickwork Company, The. (See Jackson, George McS., assignor.)
Ray, William A., San Francisco, Calif. Thermostat case or similar article. 103,433; Mar. 2.
Reinhardt, Willard L., Shaker Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery case. 103,444; Mar. 2.
Reischmann, Henry R., New York, N. Y. Garden chair. 103,408; Mar. 2.
Reutter, Frederick R., assignor to Scovill Manufacturing Company, Waterbury, Conn. Electric socket. 103,466; Mar. 2.
Rexair Corporation. (See Brock, Clarence A., assignor.)
Rosefield, John B., Oakland, Calif. Insect poison container. 103,434; Mar. 2.
Rosenau Bros. Inc. (See Mullen, Mary, assignor.)
Ruchman, Albert, New York, N. Y. Dress. 103,467; Mar. 2.
Ruchman, Albert, New York, N. Y. Dress. 103,468; Mar. 2.
Ruchman, Albert, New York, N. Y. Dress. 103,469; Mar. 2.
Ruchman, Albert, New York, N. Y. Dress. 103,470; Mar. 2.
Ruchman, Albert, New York, N. Y. Dress. 103,471; Mar. 2.
Ruchman, Albert, New York, N. Y. Dress. 103,472; Mar. 2.
Schlessel, Philip, New York, N. Y. Ensemble dress. 103,473; Mar. 2.
Schwarz, Leo, New York, N. Y. Twine bag. 103,409; Mar. 2.
Scovill Manufacturing Company. (See Reutter, Frederick R., assignor.)
Scroggs, Winfield S., Waka, Tex. Automobile radiator ornament. 103,445; Mar. 2.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Sholtz, Leo, New York, N. Y. Shoe or similar article. 103,410; Mar. 2.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 103,411; Mar. 2.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 103,412; Mar. 2.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 103,413; Mar. 2.
Sigoda, Victor J., Brooklyn, N. Y. Pinking trimmer or similar article. 103,414; Mar. 2.
Silberknopf, Hans, Vienna, Austria. Casing for pyrophoric lighters. 103,435; Mar. 2.
Storch, Max H., Bell Harbor, N. Y. Hand mirror or similar article. 103,415; Mar. 2.
Strauss, Ira, New York, N. Y. Curtain fabric. 103,474; Mar. 2.
Strauss, Ira, New York, N. Y. Curtain fabric. 103,475; Mar. 2.
Tausend, Francis, New York, N. Y. Tablecloth or similar article. 103,436; Mar. 2.
Tyrrell, Norval, New York, N. Y. Sofa or similar article. 103,416; Mar. 2.
Tyrrell, Norval, New York, N. Y. Sofa or similar article. 103,417; Mar. 2.
Wahl Company, The. (See Iannelli, Alfonso, assignor.)
Walzer, Albert M., Minneapolis, Minn. Coin operated dispensing device. 103,418; Mar. 2.
Weber, Victor, assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Desk fan. 103,476; Mar. 2.
Wells, Joel C., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 103,437; Mar. 2.
Wenett, Philip, New York, N. Y. Dress. 103,477; Mar. 2.
Wenett, Philip, New York, N. Y. Dress ensemble. 103,478; Mar. 2.
Wiley, Lee M., assignor to Delta Electric Company, Marion, Ind. Vehicle lamp. 103,479; Mar. 2.
Willard Storage Battery Company. (See Reinhardt, Willard L., assignor.)
Zahn, Philip, New York, N. Y. Dress. 103,480; Mar. 2.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbink-Spaink, Johann H. (See Watkins, D. J., Abbink-Spaink, and Plyer.)
Abbitt, Wyatt E., Charleston, W. Va. Gutter protector. 2,072,415; Mar. 2.
Abbotts, Leonard, assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Holder. 2,072,662; Mar. 2.
Acker, John T., Queens Village, N. Y., and J. R. Wilson, Mountain Lakes, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Nickel base alloy. 2,072,575; Mar. 2.
Acker, John T., Queens Village, N. Y., and J. R. Wilson, Mountain Lakes, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Nickel base alloy. 2,072,576; Mar. 2.
Ackerman, Edward, Woodmere, N. Y. Suppository. 2,072,438; Mar. 2.
Acme Backing Corporation. (See Freydberg, Ralph M., assignor.)
Acme Steel & Malleable Iron Works, Inc. (See Parker, Frank O., assignor.)
Advance Aluminum Castings Corp. (See Shoan, Nels, assignor.)
Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Typographical slug casting machine. 2,072,612; Mar. 2.
Allen, Scott E., Los Angeles, Calif., assignor, by mesne assignments, to C-O-Two Fire Equipment Company, Newark, N. J. Discharging fluid pressure containers. 2,072,577; Mar. 2.
Allis-Chalmers Manufacturing Company. (See Norelius, Emil F., assignor.)
Alimanna Svenska Elektriska Aktiebolaget. (See Dreyfus, Ludwig, assignor.)
American Blower Corporation. (See O'Brien, James H., assignor.)
American Brass Company, The. (See Coe, James R., assignor.)
American Can Company. (See Young, John M., assignor.)
American Gas Machine Company. (See Jensen, Kenneth S., assignor.)
American Laundry Machinery Company, The. (See Hetzer, Russell A., assignor.)
American Laundry Machinery Company, The. (See Johnson, George W., assignor.)
American Locomotive Company. (See Bruce, Alfred W., assignor.)
American Lurgi Corporation. (See Grave, G., and Oppen, assignors.)
American Machine & Foundry Company. (See Ferenci, L., and Clausen, assignors.)
American Optical Company. (See Hill, Harry W., assignor.)
American Ordnance Corporation. (See Davison, Gregory C., assignor.)
American Telephone and Telegraph Company. (See Taylor, E. R., and Mitchell, assignors.)
American Telephone and Telegraph Company. (See Wright, Sumner B., assignor.)
Anastor, Charles G., assignor to Kimble Glass Company, Vineland, N. J. Forming canals in glassware. 2,072,194; Mar. 2.
Andersen, Bjorn. (See Schneider, G., and Andersen.)
Anderson, Elnar H., Chicago, Ill. Tandem wheel chassis unit. 2,072,787; Mar. 2.
Anderson, Milton, Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Double universal joint assembly. 2,072,090; Mar. 2.
Andres, Charles M., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Luminous indicator. 2,072,439; Mar. 2.
Andrews, Mary R., deceased, by M. A. Westendorp, executrix, Schenectady, N. Y., assignor to General Electric Company. Tantalum carbide lamp. 2,072,788; Mar. 2.
Andrews, Oliver B., Chattanooga, Tenn. Toy building. 2,072,698; Mar. 2.
Anger, Paul, Kiel, Germany. Jet impact pulverizer. 2,072,492; Mar. 2.
Ansel, Harry R., Columbus, Ohio. Metallic storage rack for barrels. 2,072,699; Mar. 2.
Anson, Isaac A., Tulsa, Okla. Hydrocarbon process. 2,072,789; Mar. 2.
Apitzsch, Max, and O. Kleinschmit, assignors to Gebruder Brehmer, Leipzig-Plagwitz, Germany. Paper folding machine. 2,072,790; Mar. 2.
Associated Electric Laboratories, Inc. (See Ide, Harry H., assignor.)
Atkins, E. C., and Company. (See Fitzsimmons, Robert L., assignor.)
Atlantic Refining Company, The. (See Ferris, Seymour W., assignor.)
Automotive Products Company Limited. (See Volkert, George R., assignor.)
Awiszus, Adam, Detroit, Mich. Locking mechanism for purses and the like. 2,072,076; Mar. 2.
Aynge, William E., Upper Sydenham, London, England, assignor, by mesne assignments, to Mergenthaler Linotype Company, Brooklyn, N. Y. Hand-composed matrix in typographical line-casting machines. 2,072,613; Mar. 2.
Baer, Lena M., Topeka, Kans. Adjustable combined elevating and supporting device. 2,072,791; Mar. 2.
Bahnson Company, The. (See Collins, D. J., and Wright, assignors.)
Bailey, James, Hamburg, N. Y., assignor to Hartford-Empire Company, Hartford, Conn. Means for and method of controlling flow of glass to a feeder outlet. 2,072,807; Mar. 2.
Bain, William H., Lewiston, Maine. Insole and making the same. 2,072,727; Mar. 2.
Baird, Frederick S., and C. H. Marsh, Ada, Okla. Combination heating and cooling unit. 2,072,833; Mar. 2.
Baker, Harold R. (See Greenfield, R. E., and Baker.)
Baker, Robert D., Birmingham, Mich. Fine grading machine. 2,072,150; Mar. 2.
Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Display stand. 2,072,700; Mar. 2.
Ball, Frederick O., assignor to Chrysler Corporation, Detroit, Mich. Internal combustion engine fuel system. 2,072,353; Mar. 2.
Ball, Joseph A., and G. F. Rackett, Los Angeles, Calif., assignors, by mesne assignments, to Technicolor, Inc., New York, N. Y. Cinematographic camera. 2,072,091; Mar. 2.
Barbera, Arthur A., Los Angeles, Calif. Bed reading lamp. 2,072,472; Mar. 2.
Barclay, William R., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading tool. 2,072,130; Mar. 2.
Barlow, Lester P., Stamford, Conn. Bottle lock. 2,072,701; Mar. 2.
Barnett, Charles B., Jonesboro, Ark. Armature for relays. 2,072,616; Mar. 2.
Barr, Albert M. (See Rahm, Edward, assignor.)
Barr, John L., Chevy Chase, Md., and J. C. Houghton, Washington, D. C., said Houghton assignor to said Barr. Device to aid steering. 2,072,792; Mar. 2.
Barrett, Edward L., La Grange, Ill., and M. J. Manahan, Mount Vernon, N. Y., assignors to Utah Radio Products Company, Chicago, Ill. Vibratory motor device. 2,072,578; Mar. 2.
Barth, Chester A., Cicero, Ill., assignor to Interstate Roofing & Supply Co. Wall covering. 2,072,289; Mar. 2.
Bassick Company, The. (See Claud-Mantle, Arthur, assignor.)
Bassick Company, The. (See Scott, M. R., and Herold, assignors.)
Bauer, John, Sunnyside, and M. Grau, New York, N. Y. Ring. 2,072,440; Mar. 2.
Baum, Erich. (See Herrmann, W. O., Baum, and Haehnel.)
Bauman, Heinz P., Detroit, Mich. Automatic ejecting fuse. 2,072,290; Mar. 2.
Baumberger, Ralph T., Los Angeles, Calif. Hitch for automobile trailers. 2,072,473; Mar. 2.
Beard, William, Colorado Springs, Colo. Toilet ventilator. 2,072,493; Mar. 2.
Bedford, Ben H., Fayetteville, N. Y. Bread butterer. 2,072,663; Mar. 2.
Beersman, Charles G., Evanston, Ill. Electrical outlet device. 2,072,702; Mar. 2.
Beersman, Charles G., Evanston, Ill. Electrical outlet device. 2,072,703; Mar. 2.
Begun, Seni, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Carrying coils of wire or tape-shaped bodies. 2,072,241; Mar. 2.
Belger, John W., Ludington, Mich. Table and manufacturing same. 2,072,242; Mar. 2.
Bell Punch Company. (See Roedels, George D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Acker, J. T., and Wilson, assignors.)
Bell Telephone Laboratories, Incorporated. (See Collins, Cyril A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See Kannenberg, Walter F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mills, Percy E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Spencer, Thomas A., assignor.)
Benner, Raymond C. (See Mahlman, O. L., and Benner.)
Bennett, Alexander H. (See Ricevuto, A., and Bennett.)
Bennett Incorporated. (See Neitzke, Oscar F., assignor.)
Bennion, Leslie H., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Counter molding machine. 2,072,195; Mar. 2.
Berger, Emile C., Orsay, France. Aerial propeller. 2,072,196; Mar. 2.
Bergholm, Harry K. (See Ullstrand, H. M., and Bergholm.)
Bergmann, Theodor E., Rotenfels (Murgtal), Baden, Germany. Automatic firearm. 2,072,197; Mar. 2.
Berndt, Edward C., Norwalk, and H. M. Creighton, East Norwalk, assignors to R. U. V. Engineering Corporation, South Norwalk, Conn. Irradiating substances with active rays. 2,072,416; Mar. 2.
Berndt, Edward C., Norwalk, and H. M. Creighton, East Norwalk, assignors to The R. U. V. Engineering Corporation, South Norwalk, Conn. Irradiating substances with active rays. 2,072,417; Mar. 2.
Berndt, Edward C., Norwalk, and H. M. Creighton, East Norwalk, assignors to R. U. V. Engineering Corporation, South Norwalk, Conn. Irradiating apparatus. 2,072,418; Mar. 2.
Better, Frederick, Los Angeles, Calif. Escapement construction. 2,072,704; Mar. 2.
Blanco, Henry, Baltimore, Md., assignor to Campbell Metal Window Corporation, New York, N. Y. Casement window operating means. 2,072,077; Mar. 2.
Biebel, John P., Belleville, Ill. Scaffolding. 2,072,354; Mar. 2.
Biebel, John P., Belleville, Ill. Scaffolding. 2,072,355; Mar. 2.
Billig, Fred W. (See Johnson, L. E., Billig, and Hardick.)
Birch, Herbert M., Washington, D. C. Summer garments. 2,072,614; Mar. 2.
Birch-Field, Charles A., Larchmont, assignor, by mesne assignments, to M. S. Reisman, New York, N. Y. Television method and apparatus. 2,072,419; Mar. 2.
Bischof, Bernhard, Winterthur, Switzerland. Valve gear for internal combustion engines. 2,072,291; Mar. 2.
Bishop & Babcock Mfg. Company, The. (See Findley, Howard J., assignor.)
Bishop & Babcock Mfg. Company, The. (See Mayo, Edward L., assignor.)
Blake, Kenneth B., Ardsley, N. Y., and C. S. Kemp, Upper Montclair, N. J. Heat insulating material. 2,072,152; Mar. 2.
Blakey, Angus R., Orange, N. J., assignor to Doherty Research Company, New York, N. Y. Process and apparatus for the fractional distillation of liquids. 2,072,093; Mar. 2.
Blakey, Angus R., South Orange, N. J., assignor to Doherty Research Company, New York, N. Y. Fractional distillation of liquids. 2,072,834; Mar. 2.
Bley, Rudolph S., Elizabethtown, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Producing dull-luster bactericidal filament. 2,072,808; Mar. 2.
Bley, Rudolph S., Elizabethtown, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Cellulosic spinning solution. 2,072,809; Mar. 2.
Blodgett, Edwin O., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,072,079; Mar. 2.
Blodgett, Herbert C., assignor to Overhead Door Corporation, Hartford City, Ind. Vertically sliding door construction. 2,072,092; Mar. 2.
Blomberg, Martin P. (See Mussey, W. H., and Blomberg.)
Bloomheart, John L., assignor to M. F. McKesson, Toledo, Ohio. Hearing testing. 2,072,705; Mar. 2.
Bloomsburg, Marvin S. (See Bloomsburg, Ralph A. and M. S.)
Bloomsburg, Ralph A., Albany, N. Y., and M. S. Bloomsburg, Westfield, N. J. Improved stoker and burning solid fuel. 2,072,078; Mar. 2.
Bohn, George G. (See Neldner, Stephen W., assignor.)
Bommer, Emil, deceased, G. Bommer, J. F. Voelkel, and C. F. Gehrmann, executors, Brooklyn, N. Y. Spring hinge. 2,072,094; Mar. 2.
Bommer, Gustav, et al., executors. (See Bommer, Emil.)
Bond Electric Corporation. (See Reinhardt, Otto K., assignor.)
Bonney, Robert D., Glen Ridge, and W. S. Egge, East Orange, N. J., assignors to Congoleum-Nairn, Inc. Oxidizing oil. 2,072,151; Mar. 2.
Borg-Warner Corporation. (See Anderson, Milton, assignor.)
Boston Wire Stitcher Company. (See Davis, E. W., and Maynard, assignors.)
Boucher, Marcel, Eltingville, N. Y. Brooch assemblage. 2,072,080; Mar. 2.
Bowen, Wilfrid W., Washington, D. C. Binder. 2,072,494; Mar. 2.
Bower, Byron F., assignor to The Howell Company, St. Charles, Ill. Closure for refuse receivers. 2,072,706; Mar. 2.
Braly, Walter M., Louisburg, Kans. Fluid motor for a power transmission mechanism. 2,072,356; Mar. 2.
Brandt, Oscar A., and D. Dalenius, Bellingham, Wash. Plastic heat insulating composition. 2,072,081; Mar. 2.
Breisch, Edgar W. (See Graves, Clarence J., Rupp, and Breisch.)
Brennan, Edward A., Savannah, Ga., S. E. Cairncross, Palisades Park, N. J., T. Hasselstrom, New York, N. Y., and W. Hull, Savannah, Ga. Rosin acid and producing the same. 2,072,628; Mar. 2.
Brennan, Patrick J., assignor of one-half to Edw. Fox Baking Co., Inc., York, Pa. Forming rolls and pastries. 2,072,793; Mar. 2.
Bridgeport Metal Goods Manufacturing Company, The. (See Abbotts, Leonard, assignor.)
Briggs Manufacturing Company. (See Tjaarda, John, assignor.)
Briggs, Southwick W., Glenmont, Md. Pressure filter. 2,072,393; Mar. 2.
Brown, Arthur C., Brooklyn, N. Y. Cord wire anchor. 2,072,579; Mar. 2.
Brown Company. (See Moore, Hugh K., assignor.)
Brown, Mortimer J., Niagara Falls, N. Y. Closure for ice-making tubes. 2,072,518; Mar. 2.
Browner, Cecil M., Beaumont, Calif. Tunnel mucking machine. 2,072,495; Mar. 2.
Bruce, Alfred W., assignor to American Locomotive Company, New York, N. Y. Railway vehicle. 2,072,664; Mar. 2.
Bruno, Andrew, New York, N. Y. Egg holder. 2,072,794; Mar. 2.
Bruson, Herman A., Elkins Park, and O. Stein, Lansdowne, assignors to Röhm & Haas Company, Philadelphia, Pa. Sulphonated condensation product. 2,072,153; Mar. 2.
Budd, Edward G., Manufacturing Company. (See Trautvetter, George, assignor.)
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Budd Wheel Company. (See Tarbox, John P., assignor.)
Buerger, Charles B., assignor, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa. Cracking hydrocarbon oils. 2,072,394; Mar. 2.
Buffalo Electro-Chemical Company. (See Kauffmann, Hans O., assignor.)
Bugatti, Jean, Molsheim, France. Valve. 2,072,615; Mar. 2.
Builders Iron Foundry. (See Richardson, Charles G., assignor.)
Bulldog Electric Products Company. (See Frank, William H., assignor.)
Bulldog Electric Products Company. (See Frank, W. H., and Messing, assignors.)
Burnham, Frederic H., Company. (See Burnham, John, assignor.)
Burnham, John, assignor to F. H. Burnham, Company, Michigan City, Ind. Rubberized glove. 2,072,541; Mar. 2.
Burns, Rodney C. (See Trumpler, W. E., and Burns.)
Busch, Conrad J., Wyomissing, and O. E. Huber, Reading, assignors to The Narrow Fabric Company, West Reading, Pa. Fabric band. 2,072,542; Mar. 2.
Butterfield, Elmore E., Forest Hills, N. Y. Cyclic process of sewage treatment and sludge disposal. 2,072,154; Mar. 2.
Butts, Richard R., Saginaw, assignor to Hargett-Butts Corporation, Richville, Mich. Liquid cooler. 2,072,082; Mar. 2.
Cairncross, Stanley E. (See Brennan, E. A., Cairncross, Hasselstrom, and Hull.)
California Prune & Apricot Growers Association. (See Love, Carl F., assignor.)
Cameron, George L., Montclair, N. J. Clinical thermometer case. 2,072,441; Mar. 2.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Load discharging car. 2,072,292; Mar. 2.
Campbell, Donald J., and L. P. London, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bleaching process. 2,072,665; Mar. 2.
Campbell, Harry E., Baltimore, Md., assignor to Campbell Metal Window Corporation, New York, N. Y. Casement window operating means. 2,072,083; Mar. 2.
Campbell Metal Window Corporation. (See Bianco, Henry, assignor.)
Campbell Metal Window Corporation. (See Campbell, Harry E., assignor.)
Cantilever Seat Company. (See Lee, John R., assignor.)
Caracristi, Virginius Z., Bronxville, assignor to The Superheater Company, New York, N. Y. Locomotive. 2,072,707; Mar. 2.
Carborundum Company, The. (See Mahlman, O. L., and Benner, assignors.)
Carborundum Company, The. (See Wooddell, C. E., Upper, and Nelson, assignors.)
Carey, Clarence W., San Jose, Calif. Photographic apparatus. 2,072,084; Mar. 2.
Carpenter, E. W., Manufacturing Company, The. (See Carpenter, E. W., and Fry, assignors.)
Carpenter, Edward W., Fairfield, and W. H. Fry, Bridgeport, assignors to The E. W. Carpenter Manufacturing Company, Bridgeport, Conn. Holder for paper towels in roll form. 2,072,519; Mar. 2.
Carpenter, Floyd M., Dayton, Ohio. Auxiliary seat. 2,072,513; Mar. 2.

Carpenter, Marion S., Nutley, N. J., assignor to Givaudan-Delawanna, Inc., New York, N. Y. Nitro derivative of tertiary butyl pseudocumene and preparing same. 2,072,293; Mar. 2.
Carson, Hiram J., Omaha, Nebr. Apparatus for producing water gas. 2,072,357; Mar. 2.
Cartwright, William D., Indianapolis, Ind. Accelerator brake control. 2,072,666; Mar. 2.
Case, Nelson P., Bayside, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Amplification control. 2,072,708; Mar. 2.
Cate, Paul E., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Stop mechanism for bellows devices. 2,072,617; Mar. 2.
Cederstrom, Harold A., assignor to Roscoe Manufacturing Company, Minneapolis, Minn. Trailer hitch. 2,072,728; Mar. 2.
Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignors.)
Celanese Corporation of America. (See Ellis, George H., assignor.)
Celanese Corporation of America. (See Ellis, G. H., and Wesson, assignors.)
Celanese Corporation of America. (See Haney, Clifford I., assignor.)
Celanese Corporation of America. (See Johnson, E. B., and Roberts, assignors.)
Celanese Corporation of Americaa. (See Martin, Herbert E., assignor.)
Celanese Corporation of America. (See Schneider, G., and Andersen, assignors.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Central United National Bank, as trustee. (See Wheelbarger, A. S., and Darst, assignors.)
Chamberlin, Dale S., Bethlehem, Pa., assignor to Warwick Chemical Co., West Warwick, R. I. Compositions and processes for soaking silk and textile materials. 2,072,155; Mar. 2.
Chambless, Ersyl F. (See Fay, Joseph W., assignor.)
Champion Spark Plug Company. (See Dewar, Charles E., assignor.)
Chemische Fabrik R. Baumheier Aktiengesellschaft. (See Kern, Rudolf, assignor.)
Chemische Forschungsgeselischaft m. b. H. (See Herrmann, W. O., Baum, and Haehnel, assignors.)
Chemische Forschungsgesellschaft m. b. H. (See Herrmann, W. O., Hammer, and Haehnel, assignors.)
Chicago Transformer Corporation. (See Helgason, A., and Keegan, assignors.)
Childs, James W., Washington, D. C. Clock. 2,072,795; Mar. 2.
Christopher, Edwin B., Wichita, Kans. Package opener and contents extractor. 2,072,796; Mar. 2.
Chrysler Corporation. (See Ball, Frederick O., assignor.)
Chrysler Corporation. (See Lee, Roger K., assignor.)
Chrysler Corporation. (See Patterson, Herbert F., assignor.)
Chrysler Corporation. (See Pfeiffer, K., Foresman, and Fries, assignors.)
Cilocon Corporation. (See Whitbread, James B., assignor.)
Cincinnati Grinders Incorporated. (See Haas, Frederick S., assignor.)
Cincinnati Milling Machine Co., The. (See Lynch, J. E., Pope, and Hawley, assignors.)
Cincinnati Milling Machine Co., The. (See Wright, Leigh W., assignor.)
Cislak, Joseph K. (See Kubalanza, Frank J., assignor.)
Clark, Frank M., and W. M. Kutz, Pittsfield, Mass., assignors to General Electric Company. Nuclear halogenated mixed ethers and producing the same. 2,072,797; Mar. 2.
Clark, William A., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring structure. 2,072,243; Mar. 2.
Clarke, Joseph W. (See Grady, J. H., and Clarke.)
Cland-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Automobile robe support and bracket therefor. 2,072,118; Mar. 2.
Cland-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Automobile robe support and bracket therefor. 2,072,119; Mar. 2.
Clausen, Sigurd. (See Ferenci, L., and Clausen.)
Clearing Machine Corporation. (See Johansen, Einar K., assignor.)
Clemons, Ezra J., Los Angeles, Calif. Constant pressure gas regulator. 2,072,294; Mar. 2.
Coburn, Hayward H., Springfield, Pa., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resin and producing. 2,072,810; Mar. 2.
Coe, James R., Watertown, assignor to The American Brass Company, Waterbury, Conn. Article piler. 2,072,667; Mar. 2.
Cohen, Theodore, New York, and N. Sollish, Brooklyn, N. Y., said Sollish assignor to said Cohen. Gauge for sewing buttons on shirts. 2,072,709; Mar. 2.
Cohn, Adolph H., assignor to Du-Tone Ribbon Corp., New York, N. Y. Ribbon. 2,072,095; Mar. 2.
Cohn, David. (See De Cesare, M., and Cohn.)
Cold Metal Process Company, The. (See Montgomery, Alonzo B., assignor.)
Collins, Cyril A., Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching system. 2,072,476; Mar. 2.
Collins, Daniel J., and K. V. Wright, Kansas City, Kans., assignors to The Bahnson Company, Winston-Salem, N. C. Cooling tower. 2,072,096; Mar. 2.
Collins, Ernest V., St. Albans, assignor to The Delaware, Lackawanna & Western Coal Company, New York, N. Y. Method of and apparatus for controlling the flow of fluids. 2,072,442; Mar. 2.
Communications Patents, Inc. (See Nicolson, Alexander McL., assignor.)
Congoleum-Nairn, Inc. (See Bonney, R. D., and Egge, assignors.)
Consolidated Car Heating Company. (See Parsons, Robert J., assignor.)
Continental Oil Company. (See Tracey, J. E., and Phelps, assignors.)
Cooke, Frank V., assignor to The Transiever Spring Corporation, Detroit, Mich. Spring suspension. 2,072,156; Mar. 2.
Corbett, Alfred, Irwin, Pa., assignor to National Electric Products Corporation. Safety switch. 2,072,729; Mar. 2.
Corbett, Alfred, Irwin, Pa., assignor to National Electric Products Corporation. Fused safety switch. 2,072,730; Mar. 2.
Corning Glass Works. (See Dibble, Clarence H., assignor.)
Corning Glass Works. (See Hood, Harrison P., assignor.)
Correll, Henry N., assignor to O. B. Wilson, Spartanburg, S. C. Drinking tube. 2,072,580; Mar. 2.
C-O-Two Fire Equipment Company. (See Allen, Scott E., assignor.)
Coursen, Walter L., New Rochelle, N. Y. Deadening means for office machines and like shock and noise generating units. 2,072,244; Mar. 2.
Courtney, Nicholas P., Passaic, N. J. Receptacle. 2,072,295; Mar. 2.
Cowey, Leonard E., Richmond, England. Machine for carbonating liquids. 2,072,290; Mar. 2.
Crane, Frank G., assignor to F. G. Crane, Jr., Montague, Mich. Colloidal mill. 2,072,710; Mar. 2.
Crane, Frank G., Jr. (See Crane, Frank G., assignor.)
Crane, John T., Maywood, assignor to Felt Products Mfg. Co., Chicago, Ill. Packing. 2,072,543; Mar. 2.
Crane, John T., Maywood, assignor to Felt Products Mfg. Co., Chicago, Ill. Machine for making packing. 2,072,544; Mar. 2.
Cranz, James M., assignor to Hewitt Rubber Corporation, Buffalo, N. Y. Sealing means for floating roofs for tanks. 2,072,798; Mar. 2.
Creighton, Harry M. (See Berndt, E. C., and Creighton.)
Creswell, Homer, River Falls, Wis. Card game. 2,072,799; Mar. 2.
Crosby, George A., West Newton, assignor to Steam Motors Inc., Boston, Mass. Oil burner. 2,072,731; Mar. 2.
Crouch, Leonard L., East Gastonia, N. C. Tufting attachment for sewing machines. 2,072,496; Mar. 2.
Cummins, Clessie L., assignor to Oil Engine Development Company, Columbus, Ind. Fuel injector structure for oil engines. 2,072,545; Mar. 2.
Cunningham, Thomas L., New York, N. Y., assignor to Drigard Products Corporation. Waterproofing frictional type material. 2,072,097; Mar. 2.
Curtis, John B., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Cutlery. 2,072,581; Mar. 2.
Cuthbert, William R., and P. Mundell, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Bottle capping machine. 2,072,245; Mar. 2.
Cuthbert, William R., and W. H. Lindemon, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Mechanical pencil. 2,072,711; Mar. 2.
Cutler-Hammer, Inc. (See Schmidt, Edwin X., assignor.)
Dahlen, Miles A., Wilmington, Del., and W. L. Foohey, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of amines. 2,072,618; Mar. 2.
Dalenius, Duluth. (See Brandt, O. A., and Dalenius.)
Daller, Adrian O., Dennisport, Mass., assignor to Utility Packages, Inc. Formation of packages. 2,072,421; Mar. 2.
D'Amato, Vito. (See Winter, M., and D'Amato.)
Damm, Samuel F., Niagara Falls, N. Y. Printing roller. 2,072,297; Mar. 2.
Daniell, James F., assignor to Ralston Steel Car Company, Columbus, Ohio. Sectional doorway. 2,072,514; Mar. 2.
Darrington, Thomas A., Smithfield Market, England. Salting of the intestines of animals prior to the use of said intestines as sausage skins. 2,072,443; Mar. 2.
Darst, George H. (See Wheelbarger, A. S., and Darst.)
Davis, Elmer W., Newton Center, Mass., and A. H. Maynard, Warwick, R. I., assignors to Boston Wire Stitcher Company, Portland, Maine. Identification and recording device. 2,072,098; Mar. 2.
Davis, Henry S., West Haven, Conn. Speed responsive control mechanism. 2,072,246; Mar. 2.
Davis, William E., Macon, Ga. Spring and spindle bracket. 2,072,198; Mar. 2.
Davison, Alice L. S., executrix. (See Davison, Gregory C.)
Davison, Gregory C., deceased, A. L. S. Davison, executrix, Lyme, assignor, by mesne assignments, to American Ordnance Corp., New London, Conn. Ordnance. 2,072,099; Mar. 2.
Dawson, James C., Webster Groves, Mo., assignor, by mesne assignments, to Loose Leaf Metals Company. Loose leaf binder. 2,072,546; Mar. 2.

Dawson, James C., Webster Groves, Mo., assignor, by mesne assignments, to Loose Leaf Metals Company. Chain post loose leaf binder. 2,072,547; Mar. 2.
Day, Harry G., Columbia Heights Station, Minn. Grinding machine. 2,072,157; Mar. 2.
Dayton Steel Foundry Company, The. (See Walther, G., and Miller, assignors.)
De Ayala, José, San Juan, P. R. Coffeepot. 2,072,199; Mar. 2.
De Cesare, Matteo, Newark, N. J., and D. Cohn, Brooklyn, assignors of one-third to said Cohn, one-third to S. Kalner and one-third to K. Ohlbaum, New York, N. Y. Doll eye unit. 2,072,358; Mar. 2.
De Coster, Cyrus C. (See Galt, John R., assignor.)
De Groote, Melvin, St. Louis, and B. Keiser, assignors to Tretolite Company, Webster Groves, Mo. Breaking emulsions. 2,072,085; Mar. 2.
De la Roza Corporation. (See de la Roza, Joaquin J., Sr., assignor.)
De la Roza, Joaquin J., Sr., Great Neck, N. Y., assignor to de la Roza Corporation, Wilmington, Del. Digesting method and apparatus. 2,072,086; Mar. 2.
De Laval Separator Company, The. (See Erling, Sven J., assignor.)
Delaval-Crow, Thomas C., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Antifriction bearing. 2,072,515; Mar. 2.
Delaware, Lackawanna & Western Coal Company, The. (See Collins, Ernest V., assignor.)
Dennison, Brook J. (See Fix, E. L., and Dennison.)
Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
Detroit Lubricator Company. (See Eggleston, Lewis W., assignor.)
Detroit Lubricator Company. (See Wile, Daniel D., assignor.)
Devers, Philip K., Lynn, Mass., assignor to General Electric Company. Spark plug. 2,072,732; Mar. 2.
De Vore, Raymond E., Meadville, assignor to Joy Manufacturing Company, Franklin, Pa. Slide fastener. 2,072,200; Mar. 2.
Dewar, Charles E., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug assembling machine. 2,072,087; Mar. 2.
Dewas, Raymond, Amiens, France. Weft inserting apparatus for looms with fixed weft bobbins. 2,072,158 Mar. 2.
Dewas, Raymond, Amiens, France. Weaving loom for continuous weaving in which the weft is inserted by means of pirnless shuttles. 2,072,159; Mar. 2.
Dewas, Raymond, Amiens, France. Weaving loom for continuous weaving in which the weft is inserted by means of pirnless shuttles. 2,072,160; Mar. 2.
Dewas, Raymond, Amiens, France. Thread carrying apparatus for weaving looms and the like. 2,072,161; Mar. 2.
Dibble, Clarence H., assignor to Corning Glass Works, Corning, N. Y. Insulator and making it. 2,072,201; Mar. 2.
Dickey-Grabler Company, The. (See Plack, Frank F., assignor.)
Dickinson, Ibel E., assignor of one-tenth to J. L. Greer and one-tenth to J. J. Kogan, Los Angeles, Calif. Necktie. 2,072,422; Mar. 2.
Dictaphone Corporation. (See Lucarelle, Joseph M., assignor.)
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Refrigerating apparatus. 2,072,423; Mar. 2.
Disbrow, Clarkson A., New Rochelle, N. Y., assignor, by mesne assignments, to Poor & Company. Flexible rail joint. 2,072,619; Mar. 2.
Dobke, Günther, Berlin-Reinickendorf, Germany, assignor to General Electric Company. Electrical discharge device. 2,072,733; Mar. 2.
Dobrick, August C., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Flaring tool. 2,072,359; Mar. 2.
Dodd, Albert E., Dromara, Northern Ireland. Method of and means for removing bast from bast plants. 2,072,734; Mar. 2.
Dodd, David H., Newbury, Vt. Ski binding. 2,072,477; Mar. 2.
Dodge, George D., Evanston, Ill. Venetian blind slat. 2,072,835; Mar. 2.
Dodson, Victor S., London, England. Collapsible flower box in which to grow plants. 2,072,395; Mar. 2.
Doherty Research Company. (See Blakey, Angus R., assignor.)
Donahue, A. J., Corporation, The. (See Jacobs, Joseph, assignor.)
Donaldson, Frank A., Minneapolis, Minn. Air cleaner. 2,072,548; Mar. 2.
Donat, Joachim. (See Scholl, R., Meyer, and Donat.)
Dorfmann, Frank R., Richmond Hill, N. Y. Thermometer. 2,072,444; Mar. 2.
Dorrer, Eugen. (See Reppe, W., Keyssner, and Dorrer.)
Douglass, Cecil N., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Spring balancer. 2,072,582; Mar. 2.
Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Spinning of artificial filaments. 2,072,100; Mar. 2.
Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Spinning of artificial filaments. 2,072,102; Mar. 2.
Dreyfus, Henry, London, England. Manufacture of organic compounds. 2,072,101; Mar. 2.
Dreyfus, Henry, London, England. Production of methylamine. 2,072,247; Mar. 2.
Dreyfus, Henry, London, England. Production of artificial filaments and like materials. 2,072,248; Mar. 2.
Dreyfus, Henry, London, England. Manufacture of cellulose derivatives. 2,072,249; Mar. 2.
Dreyfus, Henry, London, England. Treatment of filaments, films, and similar materials containing organic derivatives of cellulose. 2,072,250; Mar. 2.
Dreyfus, Henry, London, England. Manufacture or treatment of artificial materials. 2,072,251; Mar. 2.
Dreyfus, Ludwig, assignor to Almanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Operating electric eddy current furnaces. 2,072,549; Mar. 2.
Drigard Products Corporation. (See Cunningham, Thomas L., assignor.)
Dudoult, Henri, Le Havre, France. Load handling apparatus. 2,072,735; Mar. 2.
Duinker, Daniel M. (See Mulder, J. G. W., and Duinker.)
Dumas, Louis, Geneva, Switzerland. Tap for water or other liquids and fluids. 2,072,736; Mar. 2.
Duplate Corporation. (See Fix, E. L., and Dennison, assignors.)
Du Pont, E. I., de Nemours & Company. (See Campbell, D. J., and London, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Foohey, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dykstra, Harry B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dykstra, H. B., and Lawson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Reid, Ebenezer E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rigby, George W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Ubben, Richard T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wood, Denistoun, Jr., assignor.)
Du Pont Film Manufacturing Corporation. (See Rose, Chester E., assignor.)
Dupont, Roland A. Ea Epernay, France. Apparatus for electrically vulcanizing India rubber pieces. 2,072,497; Mar. 2.
Du-Tone Ribbon Corp. (See Cohn, Adolph H., assignor.)
Duval, Montague H., Great Neck, N. Y. Cooling bread and bakery products. 2,072,737; Mar. 2.
Dykstra, Harry B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizing cellulose xanthate. 2,072,738; Mar. 2.
Dykstra, Harry B., Wilmington, Del., and W. E. Lawson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters. 2,072,739; Mar. 2.
Dysart, Edward, Visalia, Calif. Valve lifter. 2,072,088; Mar. 2.
Eagle Foundry Company. (See Strebler, George L., assignor.)
Eagle Pencil Company. (See Wierzbicki, Felix, assignor.)
Earnshaw, David P., assignor to Philco Radio & Television Corporation, Philadelphia, Pa. Volume control. 2,072,740; Mar. 2.
Eastman Kodak Company. (See Wells, Jackson B., assignor.)
Easy Washing Machine Corporation. (See Geldhof, Peter G., assignor.)
Eaton, George, Cleveland, Ohio. Opener for screw closures. 2,072,360; Mar. 2.
Egge, Walter S. (See Bonney, R. D., and Egge.)
Eggert, John, Leipzig-Gohlis, and G. Heymer, Wolfen Kreis Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Printing lenticular film. 2,072,396; Mar. 2.
Eggert, John, Leipzig-Gohlis, and G. Heymer, Wolfen Kreis Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for projection of lenticular film. 2,072,741; Mar. 2.
Eggleston, Lewis W., assignor to Detroit Lubricator Company, Detroit, Mich. Refrigerating apparatus. 2,072,424; Mar. 2.
Eggleston, Lewis W., assignor to Detroit Lubricator Company, Detroit, Mich. Pump system. 2,072,425; Mar. 2.
Ehrig, Harry R., and R. Stone, Chicago, Ill., said Stone assignor to said Ehrig. Device for flavoring cigarettes. 2,072,361; Mar. 2.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wire spoke wheel. 2,072,800; Mar. 2.
Eldridge, H. Ft, Inc. (See Stitt, Henry J., assignor.)
Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Coloring textile material. 2,072,252; Mar. 2.
Ellis, George H., and A. J. Wesson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile materials made of or containing cellulose esters. 2,072,253; Mar. 2.

Ellsworth, John T., Odgen, Utah, assignor to Industrial Development Corporation, Boston, Mass. Electrolytic apparatus and method. 2,072,811; Mar. 2.
Eltgroth, Bertina E., Chicago, Ill. Hand knitting device. 2,072,668; Mar. 2.
Emanueli, Luigi, Milan, Italy, assignor to Società Italiana Pirelli. Stop joint for oil-filled cables. 2,072,742; Mar. 2.
Emrick, Warren N., Youngstown, Ohio. Building wall construction. 2,072,397; Mar. 2.
En-Der-Company. (See Fow, Raymond S. C., assignor.)
Endsley, Louis E. (See Hunter, P. E., and Endsley.)
Ensign-Bickford Company, The. (See Pearsall, David E., assignor.)
Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
Erich, Reuben, Avenal, Calif., assignor of one-third to W. J. Erich and one-third to W. G. Erich. Mercury inertia switch. 2,072,362; Mar. 2.
Erich, Walter G., et al. (See Erich, Reuben, assignor.)
Erich, William J., et al. (See Erich, Reuben, assignor.)
Erling, Sven J., Nockeby, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Hair cutter for domestic animals. 2,072,445; Mar. 2.
Essex Rubber Company. (See Oakley, Laurence M., assignor.)
Eurich, Joe E. G., West Didsbury, Manchester, England, assignor to USL Battery Corporation, Niagara Falls, N. Y. Specific gravity indicating device. 2,072,162; Mar. 2.
Eurich, Joe E. G., West Didsbury, Manchester, England, assignor to USL Battery Corporation, Niagara Falls, N. Y. Specific gravity indicating device. 2,072,164; Mar. 2.
Evans, S. W., & Son. (See Evans, Wayne S., assignor.)
Evans, Wayne S., assignor to S. W. Evans & Son, Philadelphia, Pa. Umbrella frame. 2,072,254; Mar. 2.
Ewald, Mark, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Manufacturing coring spoons. 2,072,103; Mar. 2.
Fantz, Fred C., Webster Groves, Mo. Return bend fitting for oil stills. 2,072,669; Mar. 2.
Farrel-Birmingham Co. Inc., et al. (See Kuhns, A., assignor, and Lautz.)
Faulk, William Q., St. Petersburg, Fla. Knock-down and adjustable transmission hoist. 2,072,398; Mar. 2.
Faulkner, Harold W., assignor to Marshall Field & Company, Chicago, Ill. Undergarment. 2,072,550; Mar. 2.
Fay, Joseph W., Villa Park, assignor of one-half to E. F. Chambless, Chicago, Ill. Stopper for bottles and the like. 2,072,592; Mar. 2.
Felt Products Mfg. Co. (See Crane, John T., assignor.)
Ferenci, Lester, and S. Clausen, Brooklyn, N. Y., assignors to American Machine & Foundry Company. Insert attachment for wrapping machines. 2,072,516; Mar. 2.
Fernholz, Ernst, Berlin-Tempelhof, Germany. Coupling device for carbonators. 2,072,629; Mar. 2.
Ferris, Seymour W., Aldan, assignor to The Atlantic Refining Company, Philadelphia, Pa. Hydrocarbon oil treatment. 2,072,104; Mar. 2.
Ferry, Genevra, Nevada, Mo. Specimen container. 2,072,630; Mar. 2.
Findley, Howard J., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Signal device and system therefor. 2,072,743; Mar. 2.
Findley, Howard J., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Heater for automobiles. 2,072,744; Mar. 2.
Fink, Hermann, Munich, Germany. Obtaining and isolating finely dispersed substances, possessing an electrical charge, from strongly diluted solutions. 2,072,089; Mar. 2.
First National Bank in Bartlesville, administrator. (See Fitch, Louis H., Jr.)
Fischer, Albert C., Chicago, Ill. Apparatus and method for making composition strips. 2,072,105; Mar. 2.
Fischer, Ernst, Berlin-Lichterfelde, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Communication cable. 2,072,712; Mar. 2.
Fitch, Fred H., Bronx, N. Y. Shaving brush. 2,072,620; Mar. 2.
Fitch, Louis H., Jr., deceased, First National Bank in Bartlesville, administrator, Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of antiknock gasoline. 2,072,745; Mar. 2.
Fitzsimmons, James W., Oakland, Calif. Matrix trimmer. 2,072,106; Mar. 2.
Fitzsimmons, Robert L., assignor to E. C. Atkins and Company, Indianapolis, Ind. Combined drawbolt and clamp for saw blades. 2,072,298; Mar. 2.
Fix, Earl L., New Kensington, and B. J. Dennison, Tarentum, Pa., assignors to Duplate Corporation. Laminated glass. 2,072,583; Mar. 2.
Fleck, Louis C., Appleton, Wis., assignor, by mesne assignments, to K. C. M. Company, Dayton, Ohio. Reducing dusting in the manufacture of coated paper. 2,072,670; Mar. 2.
Flinchbaugh, Henry K., West Manchester Township, York County, assignor of one-half to A. E. Smith, Springettsbury Township, York County, Pa. Automatic filling nozzle. 2,072,202; Mar. 2.
Florence-Wehrle Stove Co. (See Pickup, George E., assignor.)
Fodor, Joseph J. (See Smith, H. A., and Fodor.)
Folmsbee, Clyde H., Berwick, and H. W. Le Boutillier and F. Hess, Tredyffrin Township, Chester County, Pa. Method of and apparatus for heating and vaporizing liquids. 2,072,713; Mar. 2.
Foohey, William L. (See Dahlen, M. A., and Foohey.)
Forbes, Henry C. (See Nichols, H. J., Forbes, Harmon, and Loftis.)
Foresman, Seth T. (See Pfeiffer, K., Foresman, and Fries.)
Forges & Ateliers de Constructions Electriques de Jeumont, Societe Anonyme. (See Leroy, Louis, assignor.)
Forss, Frithiof P., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Portable electric tool. 2,072,551; Mar. 2.
Forster, William A., Dallas, Tex. Meter for liquids. 2,072,326; Mar. 2.
Forsthoefel, Gregg F., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,072,446; Mar. 2.
Foster, Edwin L., Long Beach, Calif. Amalgamating cylinder. 2,072,498; Mar. 2.
Foster, Harry C., and L. Leroy, Alton, assignor to Western Cartridge Company, East Alton, Ill. Control apparatus for target traps. 2,072,746; Mar. 2.
Foulke, Willing B., Media, Pa., assignor to Hercules Powder Company, Wilmington, Del. Ammunition and propellant charge therefor. 2,072,671; Mar. 2.
Fow, Raymond S. C., assignor to En-Der-Company, Inc., Newark, N. J. Plant feeder and support. 2,072,165; Mar. 2.
Fox, Edw., Baking Co. (See Brennan, Patrick J., assignor.)
Fox, William P. (See Hengesbach, L. J., and Fox.)
Frank, Harrison, J. L., Detroit, Mich. Range receptacle. 2,072,585; Mar. 2.
Frank, William E. (See Knepper, G. E., and Frank.)
Frank, William H., assignor to Bulldog Electric Products Company, Detroit, Mich. Distribution panel board. 2,072,584; Mar. 2.
Frank, William H., and J. Messing, assignors to Bulldog Electric Products Company, Detroit, Mich. Circuit controlling means. 2,072,163; Mar. 2.
Fraser, Hugh, Burnside, Rutherglen, assignor to Inter-Counties Limited, Glasgow, Scotland. Overhead track for cars, aircraft, and the like. 2,072,499; Mar. 2.
Freese, Clyde H., Moscow, Union of Soviet Socialist Republics, assignor to General Electric Company. Carrier system. 2,072,747; Mar. 2.
French Oil Mill Machinery Co., The. (See Stacy, Thomas F., assignor.)
Frenzel, Kurt, Leipzig, Germany. Automatic numbering device. 2,072,363; Mar. 2.
Freydberg, Ralph M., New York, assignor to Acme Backing Corporation, Brooklyn, N. Y. Thermoplastic adhesive. 2,072,631; Mar. 2.
Friedman, William, New York, and B. Lindner, Larchmont, N. Y., said Friedman assignor to said Lindner. Dispensing device. 2,072,327; Mar. 2.
Fries, Arthur H. (See Pfeiffer, K., Foresman, and Fries.)
Frost, Max, Brooklyn, N. Y. Container. 2,072,672; Mar. 2.
Fry, Winthrop H. (See Carpenter, E. W., and Fry.)
Fuchs, Edmund, Mihalovce, Czechoslovakia. Making baker-yeast from beer-yeast. 2,072,748; Mar. 2.
Fuller Label & Box Company. (See Scheetz, Henry F., Jr., assignor.)
Fuller, William W., Norfolk, Va. Power steering apparatus for vehicles. 2,072,203; Mar. 2.
Fulton, Stewart C. (See Mikeska, L. A., and Fulton.)
Fulton, Stewart C., and L. A. Mikeska, Elizabeth, N. J., assignors to Standard Oil Development Company. Producing high boiling polymers useful for blending and other purposes. 2,072,107; Mar. 2.
Fulton Sylphon Company, The. (See Cate, Paul E., assignor.)
Fulton Sylphon Company, The. (See Giesler, Jean V., assignor.)
G-M Laboratories, Inc. (See McMaster, A. J., and Parson, assignors.)
Gagle, Merlin S., Middlesboro, Ky. Gas gun. 2,072,621; Mar. 2.
Gallon Iron Works and Manufacturing Company, The. (See Keeler, Raymond W., assignor.)
Galt, John R., assignor of fifteen per cent to C. C. De Coster, St. Paul, Minn. Electrical circuit timer. 2,072,812; Mar. 2.
Gary, Wright W., Great Neck, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Gas pyrolysis. 2,072,801; Mar. 2.
Gasoline Products Company. (See Gary, Wright W., assignor.)
Gasoline Products Company. (See Keith, Percival C., Jr., assignor.)
Gasoline Products Company. (See Sullivan, Pike H., assignor.)
Gasoline Products Company. (See Thomas, Donald L., assignor.)

Gauger, Frank A., Milwaukee, Wis., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Ignition device. 2,072,552; Mar. 2.

Gaul, Max, Eppstein in Taunus, Germany. Thermostat. 2,072,500; Mar. 2.

Gebauer-Fuelnegg, Erich, deceased, Gary, Ind., by M. Gebauer-Fuelnegg, administratrix, Evanston, Ill., and E. W. Moffett, Gary, Ind., assignors, by mesne assignments, to Marbo Patents, Inc. Manufacturing rubber chloride. 2,072,255; Mar. 2.

Gebauer-Fuelnegg, Marie, administratrix. (See Gebauer-Fuelnegg, E., and Moffett.)

Gebruder Brehmer. (See Apitzsch, M., and Kleinschmit, assignors.)

Gehrmann, Charles F., et al., executors. (See Bommer, Emil.)

Geissinger, Harry G., Detroit, Mich. Measurement and control of the flow of viscous fluids. 2,072,204; Mar. 2.

Geldhof, Peter E., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Control means for wringer drive mechanism. 2,072,632; Mar. 2.

General Aniline Works, Inc. (See Koenigs, E., and Ruppelt, assignors.)

General Aniline Works, Inc. (See Wolff, P., and Werner, assignors.)

General Aniline Works, Inc. (See Zerwick, W., and Schubert.)

General Dry Batteries, Inc. (See Welker, M. M., and Vaughn, assignors.)

General Electric Company. (See Andrews, Mary R., assignor.)

General Electric Company. (See Clark, F. M., and Kutz, assignors.)

General Electric Company. (See Devers, Philip K., assignor.)

General Electric Company. (See Dobke, Günther, assignor.)

General Electric Company. (See Freese, Clyde H., assignor.)

General Electric Company. (See Lum, Walter O., assignor.)

General Electric Company. (See McNairy, Jacob W., assignor.)

General Electric Company. (See Wilson, Harold F., assignor.)

General Electric Company. (See Wingo, Adgor C., assignor.)

General Electric Company Limited, The. (See Smart, N. C., and Moss, assignors.)

General Motors Corporation. (See Delaval-Crow, Thomas C., assignor.)

General Motors Corporation. (See Goodman, William, assignor.)

General Motors Corporation. (See Pearce, George C., assignor.)

General Motors Corporation. (See Smith, Harry F., assignor.)

General Motors Corporation. (See Stickel, Carl A., assignor.)

General Railway Signal Company. (See Blodgett, Edwin O., assignor.)

General Railway Signal Company. (See Willing, Joseph E., assignor.)

General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)

Gerin, Jacques, Boulogne-sur-Seine, France. Airplane having a variable lifting surface. 2,072,299; Mar. 2.

Giesler, Jean V., assignor to The Fulton Syphon Company, Knoxville, Tenn. Thermostatic radiator valve. 2,072,399; Mar. 2.

Gilbert, William H. (See Hosmer, Frank F., assignor.)

Gille, Cyril S., Woodinville, Wash. Furnace circulatory system. 2,072,517; Mar. 2.

Gillespie, James H., Belfast, Northern Ireland. Separating fibers from bast plants. 2,072,749; Mar. 2.

Gilpin, Garth G., Riverside, Ill., assignor to F. H. Murphy Company, New Kensington, Pa. Hatch construction. 2,072,328; Mar. 2.

Givaudan-Delawanna, Inc. (See Carpenter, Marion S., assignor.)

Goetzmann, Albert L., assignor to Puffer-Hubbard Mfg. Co., Minneapolis, Minn. Sliding door seal for refrigerating apparatus. 2,072,300; Mar. 2.

Goodman, William, Chicago, Ill., assignor to General Motors Corporation, Dayton, Ohio. Air conditioning system. 2,072,166; Mar. 2.

Goodrich, B. F., Company, The. (See Jones, Webster N., assignor.)

Gorse, Frank W., Company. (See Smith, H. A., and Fodor, assignors.)

Gould Storage Battery Corporation. (See Graves, C. J., Rupp, and Breisch, assignors.)

Grady, J. H., Manufacturing Company. (See Grady, J. H., and Clarke, assignors.)

Grady, John H., and J. W. Clarke, assignors to J. H. Grady Manufacturing Company, St. Louis, Mo. Apparatus for inclosing objects in regenerated cellulose. 2,072,329; Mar. 2.

Grady, John H., and J. W. Clarke, assignors to J. H. Grady Manufacturing Company, St. Louis, Mo. Inclosing objects in regenerated cellulose. 2,072,330; Mar. 2.

Graham, Arthur, assignor to Reynolds Metals Company, New York, N. Y. Combined picture frame and merchandise magazine. 2,072,167; Mar. 2.

Grant, Howard D., Grand Rapids, Mich., assignor to Swensen Evaporator Company, Harvey, Ill. Rotary filter. 2,072,586; Mar. 2.

Grau, Max. (See Bauer, J., and Grau.)

Grave, Georg, Frankfort-on-the-Main-Heddernheim, and E. Oppen, Hanover, Germany, assignors to American Lurgi Corporation, New York, N. Y. Apparatus for electrostatic separation. 2,072,501; Mar. 2.

Graves, Clarence J., J. L. Rupp, and E. W. Breisch, Lancaster, N. Y., assignors to Gould Storage Battery Corporation, St. Paul, Minn. Specific gravity indicator. 2,072,553; Mar. 2.

Gray, Alvin E., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,072,447; Mar. 2.

Gray, Daniel J., and A. B. Meeg, Chicago, Ill., assignors to Iron Fireman Manufacturing Company, Portland, Oreg. Smoke producer. 2,072,364; Mar. 2.

Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 2,072,478; Mar. 2.

Grayson, George W., Darling Point, near Sydney, assignor to J. T. McKee, Sydney, Australia. Cement grout mixing and distributing machine. 2,072,301; Mar. 2.

Greenawalt, John E., New York, N. Y. Burner. 2,072,587; Mar. 2.

Greene, Daniel A., Flint, Mich. Making window guide cores. 2,072,554; Mar. 2.

Greenfield, Robert E., and H. R. Baker, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Manufacture of starch. 2,072,633; Mar. 2.

Greenspan, Louis, Brooklyn, N. Y. Self-cleaning sanitary comb. 2,072,673; Mar. 2.

Greer, John L., et al. (See Dickinson, Ibel E., assignor.)

Greve, Herman L., Hollis, assignor to International Mailing Tube and Wrapper Company, Long Island City, N. Y. Carton. 2,072,256; Mar. 2.

Greve, Herman L., Hollis, assignor to International Mailing Tube and Wrapper Company, Long Island City, N. Y. Lock for cartons. 2,072,257; Mar. 2.

Griffith, William B., Audobon, N. J., and D. A. Keller, Drexel Hill, Pa. Exhauster for sprinkler systems. 2,072,634; Mar. 2.

Grimes, David, Dongan Hills, Staten Island, N. Y., assignor to Radio Corporation of America. Amplification control system. 2,072,365; Mar. 2.

Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Garbage container. 2,072,813; Mar. 2.

Gulf Oil Corporation. (See Buerger, Charles B., assignor.)

Gustus, Edwin L., assignor to The Upjohn Company, Kalamazoo, Mich. Purifying gonadotropic hormonal substances. 2,072,258; Mar. 2.

H & B American Machine Company. (See Martin, Edward L., assignor.)

Haas, Frederick S., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 2,072,814; Mar. 2.

Haddock, Norman H., F. Lodge, and C. H. Lumsden, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Anthraquinone dyestuffs. 2,072,259; Mar. 2.

Hadley, Homer M., Seattle, Wash. Concrete laying machine. 2,072,479; Mar. 2.

Haehnel, Wolfram. (See Herrmann, W. O., Baum, and Haehnel.)

Haehnel, Wolfram. (See Herrmann, W. O., Hammer, and Haehnel.)

Hahnemann, Walter M. (See Herzog, R., and Hahnemann.)

Hallam, Cecil A., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for charging receptacles. 2,072,836; Mar. 2.

Halpern, Adolf, Vienna, Austria. Combined light and heat radiator with reflector for medical purposes. 2,072,205; Mar. 2.

Hamill, William W., Four Oaks, England. Rolling mill of the overhung type. 2,072,448; Mar. 2.

Hammer, Fritz. (See Herrmann, W. O., Hammer, and Haehnel.)

Hampton, George E., Pittsburgh, Pa. Portable electric saw. 2,072,750; Mar. 2.

Haney, Clifford I., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Chemical stabilization of cellulose esters. 2,0772,260; Mar. 2.

Haney, Clifford I., Drummondville, Quebec, Canada, assignor to Celanese Corporation of America. Esterification of cellulose. 2,072,261; Mar. 2.

Hanna, Walter R., Palo Alta, Calif. Aerating and fertilizing mechanism. 2,072,331; Mar. 2.

Hard, Malcolm, Hammond, Ind., assignor to The Superheater Company, New York, N. Y. Superheater. 2,072,674; Mar. 2.

Hardick, Floyd W. (See Johnson, L. E., Billig, and Hardick.)

Hardwicke-Etter Company. (See Streun, John A., assignor.)

Hargett-Butts Corporation. (See Butts, Richard R., assignor.)

Harmon, Walter S. (See Nichols, H. J., Forbes, Harmon, and Loftis.)

Hartford-Empire Company. (See Bailey, James, assignor.)

Hartford-Empire Company. (See Riley, Clare S., assignor.)

Hartford-Empire Company. (See Rowe, George E., assignor.)

Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-Gesellschaft, m. b. H., Kassel-Wilhelmshohe, Germany. Boiler. 2,072,675; Mar. 2.

Hasselstrom, Torsten. (See Brennan, E. A., Cairncross, Hasselstrom, and Hull.)

Hatfield, Arthur E., Toronto, Ontario, Canada. Dry cleaning. 2,072,332; Mar. 2.

Haub, George R., Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass transfer mechanism. 2,072,502; Mar. 2.

Hawley, Amos H. (See Lynch, J. E., Pope, and Hawley.)

Hayes, Clarke L., Wilmette, Ill., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,072,449; Mar. 2.

Hays, Thomas W., Green River, Wyo. Combination torpedo fusee. 2,072,503; Mar. 2.

Hazel-Atlas Glass Company. (See Haub, George R., assignor.)

Hazeltine Corporation, The. (See Case, Nelson P., assignor.)

Hazeltine Corporation. (See Lyons, Walter, assignor.)

Heckman, William H., Chicago, Ill. Journal bearing. 2,072,168; Mar. 2.

Hein, George N., San Francisco, Calif. Reflex bulb syringe. 2,072,366; Mar. 2.

Helgnson, Arni, Wilmette, and P. E. Keegan, assignors to Chicago Transformer Corporation, Chicago, Ill. Terminal board. 2,072,635; Mar. 2.

Helm, Eric, Waterbury, Conn. Forming headed tacks of celluloid or like plastic composition. 2,072,837; Mar. 2.

Heiming, Vernon P., Amherst, Mass. Internal combustion engine. 2,072,474; Mar. 2.

Hengesbach, Leo J., Cleveland Heights, and W. P. Fox, Shaker Heights, assignors to F. H. Zulauf, East Cleveland, Ohio. Faucet. 2,072,555; Mar. 2.

Henninger, Andrew F., Jr., Chicago, Ill. Circuit for negative glow devices. 2,072,622; Mar. 2.

Heraeus, W. C., Gesellschaft mit beschrankter Haftung. (See Jedele, Alfred, assignor.)

Hercules Powder Company. (See Coburn, Hayward H., assignor.)

Hercules Powder Company. (See Foulke, Willing B., assignor.)

Hercules Powder Company. (See Humphrey, Irvin W., assignor.)

Hercules Powder Company. (See Ward, Kyle, Jr., assignor.)

Herold, Walter F. (See Scott, M. R., and Herold.)

Herrmann, Willy O., E. Baum, and W. Haehnel, assignors, by mesne assignments, to Chemische Forschungsgesellschaft, m. b. H., Munich, Germany. Polymerized vinyl alcohol articles and making same. 2,072,302; Mar. 2.

Herrmann, Willy O., Munich, F. Hammer, Bezirk Kassel, Hessen, and W. Haehnel, assignors, by mesne assignments, to Chemische Forschungsgesellschaft m. b. H., Munich, Germany. Artificial threads, bands, tubes, and the like for surgical and other purposes. 2,072,303; Mar. 2.

Herzberg, Albert C., Memphis, Tenn. Truss. 2,072,169; Mar. 2.

Herzog, George K., New Rochelle, assignor to United Chromium, Incorporated, New York, N. Y. Elements for use in the electrodeposition of chromium. 2,072,170; Mar. 2.

Herzog, Robert, Berlin, and W. M. Hahnemann, Berlin-Marienfelde, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Reflecting structure for electric waves. 2,072,262; Mar. 2.

Hess, Fred. (See Folmsbee, C. H., Le Boutillier, and Hess.)

Hetzer, Russell A., Madeira, assignor to The American Laundry Machinery Company, Norwood, Ohio. Water separating device. 2,072,206; Mar. 2.

Hewitt Rubber Corporation. (See Cranz, James M., assignor.)

Heygel, Paul R., Ridgefield, N. J., assignor to H. H. Straus, New York, N. Y. Cigarette paper bookmaking machine. 2,072,815; Mar. 2.

Heymer, Gerd. (See Eggert, J., and Heymer.)

Hibner, De Los E., Jr., Du Bois, Pa., assignor to Vulcan Soot Blower Corporation. Producing a variable orifice. 2,072,556; Mar. 2.

Hill, Albert E., New York, N. Y. Rail joint. 2,072,751; Mar. 2.

Hill, Harry W., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 2,072,593; Mar. 2.

Hill, Joseph M., Cleveland, Ohio, assignor of two-thirds to H. S. Narten and R. Van Stone. Neutralizing and insulating refrigerant. 2,072,367; Mar. 2.

Hill, Valentine J., Jr., assignor to Walter Kidde Sales Company, Bloomfield, N. J. Valve for aerating liquid vessels. 2,072,816; Mar. 2.

Hilliard, John H., New York, N. Y., assignor to Magazine Repeating Razor Company. Razor. 2,072,636; Mar. 2.

Hinsky, Anthony P., assignor to Pyro Products Corporation, Brooklyn, N. Y. Flame resisting conductor. 2,072,557; Mar. 2.

Hirstius, Otto H., New Orleans, La. Power plant. 2,072,752; Mar. 2.

Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)

Hobart Manufacturing Company, The. (See Meeker, D. A., and Slager, assignors.)

Hobart Manufacturing Company, The. (See Stark, Rawson E., assignor.)

Hobson, Joseph R. A., Jr., Pottsville, assignor to The Philadelphia & Reading Coal & Iron Company, Philadelphia, Pa. Furnace. 2,072,450; Mar. 2.

Hoe, R., & Co. (See Little, Harry, assignor.)

Hofer, Jacob D., Tabor, S. Dak. Driving means for grain elevators. 2,072,400; Mar. 2.

Hoffman-La Roche Inc. (See Schnider, Otto, assignor.)

Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Heat resisting fluoride borosilicate glass. 2,072,207; Mar. 2.

Hoover Company, The. (See Smellie, Donald G., assignor.)

Hoover Company, The. (See Whitaker, Uncas A., assignor.)

Hope, Ernest. (See Ricks, F., and Hope.)

Horowitz, Alexandre. (See Vollenbroek, J. B. L., and Horowitz, assignors.)

Hosmer, Frank F., Glendale, assignor of one-half to W. H. Gilbert, Los Angeles, Calif. Automatic can top catcher for can openers. 2,072,333; Mar. 2.

Hostetler, Elmer H., Los Angeles, Calif., assignor to Intertype Corporation, Brooklyn, N. Y. Ingot mold for casting type metal pigs. 2,072,817; Mar. 2.

Houde Engineering Corporation, et al. (See Kuhns, A., and Lautz, assignors.)

Houdry, Eugene J., Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del. Production of light hydrocarbons. 2,072,108; Mar. 2.

Houdry Process Corporation. (See Houdry, Eugene J., assignor.)

Houghton, James C. (See Barr, J. L., and Houghton.)

Howard, Merton W., assignor to Pope Machinery Corporation, Haverhill, Mass. Method of and apparatus for spooling heels. 2,072,109; Mar. 2.

Howell Company, The. (See Bower, Byron F., assignor.)

Huber, Otto E. (See Busch, C. J., and Huber.).

Hughes, John, Rochdale, England. Gilling machine and drawing machine for the treatment of fibrous materials. 2,072,451; Mar. 2.

Hughes, John, Rochdale, England. Gilling machine and drawing machine for the treatment of fibrous materials. 2,072,452; Mar. 2.

Hughes, John, Rochdale, England. Gilling machine and drawing machine for the treatment of fibrous materials. 2,072,453; Mar. 2.

Hull, Washington. (See Brennan, E. A., Cairncross, Hasselstrom, and Hull.)

Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resin. 2,072,818; Mar. 2.

Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Composition of matter and method of producing. 2,072,819; Mar. 2.

Hunker, Martin L., assignor to The Reeves Manufacturing Company, Dover, Ohio. Manufacture of stove dampers. 2,072,304; Mar. 2.

Hunt, Milo, Whittier, Calif. Fruit picker. 2,072,558; Mar. 2.

Hunter, Percy E., and L. E. Endsley, assignors to Hunter Steel Company, Neville Island, Pittsburgh, Pa. Roller dam structure. 2,072,714; Mar. 2.

Hunter Steel Company. (See Hunter, P. E., and Endsley, assignors.)

Huskey, William B. (See Mims, Howard S., assignor.)

Hutchings, Charles F., San Francisco, Calif. Ore concentrating table. 2,072,594; Mar 2.

Hutchison, Loyd E., Houston, Tex. Well pumping apparatus. 2,072,595; Mar. 2.

Huttger, August, assignor to E. P. Huttger, Philadelphia, Pa. Metal window frame and sash construction. 2,072,334; Mar. 2.

Huttger, Edward P. (See Huttger, August, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Eggert, J., and Heymer, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, W., and Keyssner, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, W., Keyssner, and Dorrer, assignors.)

Ide, Harry H., La Grange, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Combined field telephone and telegraph assembly. 2,072,264; Mar. 2.

Ikeda, Rihachi, and S. Satake, San Mateo, Calif. Folding box. 2,072,753; Mar. 2.

Ilmer, Louis, Cortland, N. Y. High speed piston ring system. 2,072,623; Mar. 2.

Imperial Brass Manufacturing Company, The. (See Dobrick, August C., assignor.)

Imperial Chemical Industries Limited. (See Haddock, N. H., Lodge, and Lumsden, assignors.)

Imperial Chemical Industries Limited. (See Wyler, M., and Kershaw, assignors.)

Independent Pneumatic Tool Co. (See Douglass, Cecil N., assignor.)
Independent Pneumatic Tool Co. (See Forss, Frithiof P., assignor.)
Industrial Associates, Inc. (See Jones, Arthur B., assignor.)
Industrial Development Corporation. (See Ellsworth, John T., assignor.)
Industrial Patents Corporation. (See Walter, Charles T., assignor.)
Ingersoll Milling Machine Company, The. (See Johnson, John R., assignor.)
Ingersoll-Rand Company. (See Morrison, William A., assignor.)
Ingersoll-Rand Company. (See Trumpler, W. E., and Burns, assignors.)
Inter-Counties Limited. (See Fraser, Hugh, assignor.)
International Business Machines Corporation. (See Gray, Alvin E., assignor.)
International Business Machines Corporation. (See Hayes, Clarke L., assignor.)
International Business Machines Corporation. (See Larrabee, Clinton E., assignor.)
International Business Machines Corporation. (See Lemmon, W. S., Rose, and Young, assignors.)
International Business Machines Corporation. (See Peirce, John R., assignor.)
International Business Machines Corporation. (See Von Pein, Edward J., assignor.)
International Harvester Company. (See Smith, Hiram P., assignor.)
International Mailing Tube and Wrapper Company. (See Greve, Herman L., assignor.)
Inter-Outer Telephone Corporation. (See Varley, Richard, assignor.)
Interstate Roofing & Supply Co. (See Barth, Chester A., assignor.)
Intertype Corporation. (See Hostetler, Elmer H., assignor.)
Iron Fireman Manufacturing Company. (See Gray, D. J., and Meeg, assignors.)
Jackson, Frank D., Kansas City, Mo. Vehicle advertising or display. 2,072,454; Mar. 2.
Jacobs, Joseph, Bridgeport, assignor to The A. J. Donahue Corporation, Milford, Conn. Garment supporter. 2,072,559; Mar. 2.
James, John R., Story City, Iowa. Reversible variable speed motor. 2,072,335; Mar. 2.
Jedele, Alfred, assignor to W. C. Heraeus Gesellschaft mit beschrankter Haftung, Hanau-on-the-Main, Germany. Tungsten-base alloy for points of gold nibs. 2,072,368; Mar. 2.
Jedele, Alfred, assignor to W. C. Heraeus Gesellschaft mit beschrankter Haftung, Hanau-on-the-Main, Germany. Tungsten-base alloy. 2,072,676; Mar. 2.
Jennings, Arvah A., Vallejo, Calif. Method of making and brush for cleaning tubes. 2,072,110; Mar. 2.
Jenson, Kenneth S., assignor to American Gas Machine Company, Albert Lea, Minn. Pressure indicator. 2,072,369; Mar. 2.
Jessop, George, Ingle Nook, Gomersal, near Leeds, England. Obviating water hammer in service pipes. 2,072,715; Mar. 2.
Jobst, Günther, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron discharge tube. 2,072,637; Mar. 2.
Jobst, Günther, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m.. b. H., Berlin, Germany. Electrode mounting for discharge tubes. 2,072,638; Mar. 2.
Jobst, Günther, and D. Prinz, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Gas discharge tube with control cathode. 2,072,370; Mar. 2.
Johansen, Einar K., assignor, by mesne assignments, to Clearing Machine Corporation, Chicago, Ill. Duplicating machine. 2,072,336; Mar. 2.
Johns, Romie E. (See Jones, R. G., and Johns.)
Johnson, Edgar B., and R. P. Roberts, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture or treatment of textile and other materials. 2,072,265; Mar. 2.
Johnson, George W., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine and buck. 2,072,208; Mar. 2.
Johnson, John R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Feed mechanism for machine tools. 2,072,339; Mar. 2.
Johnson, John R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Feed mechanism for machine tools. 2,072,340; Mar. 2.
Johnson, Lloyd E., F. W. Billig, and F. W. Hardick, assignors to The Sparks-Withington Company, Jackson, Mich. Warning signal. 2,072,305; Mar. 2.
Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,072,677; Mar. 2.
Johnston, William S. (See McKee, R. H., and Johnston.)
Jones, Arthur B., assignor to Industrial Associates, Inc., New York, N. Y. Process and apparatus for producing comminuted sulphur. 2,072,263; Mar. 2.
Jones, Robert G., and R. E. Johns, Jacksonville, Fla. Brake mechanism. 2,072,755; Mar. 2.
Jones, Thomas H., Woodthorpe, England. Means for and method of producing knitted fabrics. 2,072,209; Mar. 2.
Jones, Vernon H., Park Ridge, Ill. Display device. 2,072,754; Mar. 2.
Jones, Webster N., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and method of preserving rubber. 2,072,596; Mar. 2.
Joy Manufacturing Company. (See De Vore, Raymond E., assignor.)
K. C. M. Company. (See Fleck, Louis C., assignor.)
Kalner, Sam, et al. (See De Cesare, M., and Cohn, assignors.)
Kamm, Robert A., assignor to The Nofade Electric Corporation, Hartford, Conn. Safety lighting circuit. 2,072,337; Mar. 2.
Kannenberg, Walter F., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 2,072,455; Mar. 2.
Kaplan, Ben, St. Paul, Minn. Folding box closure and fastener therefor. 2,072,371; Mar. 2.
Kauffmann, Hans O., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Bleaching sugar. 2,072,639; Mar. 2.
Keegan, Peter E. (See Helgason, A., and Keegan.)
Keeler, Raymond W., Gallon, Ohio, assignor to The Gallon Iron Works and Manufacturing Company. Road grader. 2,072,111; Mar. 2.
Keeler, Raymond W., Gallon, Ohio, assignor to The Gallon Iron Works and Manufacturing Company. Hydraulic lifting mechanism for road graders. 2,072,306; Mar. 2.
Keen, Alexis W., Passaic, and H. T. Trautvetter, Clifton, N. J., assignors to United States Rubber Products, Inc., New York, N. Y. Paste applying apparatus. 2,072,597; Mar. 2.
Keiser, Bernhard. (See De Groote, M., and Keiser.)
Keith, Percival C., Jr., Peapack, assignor to Gasoline Products Company, Inc., Newark, N. J. Stabilization of hydrocarbon distillate. 2,072,456; Mar. 2.
Keller, David A. (See Griffith, W. B., and Keller.)
Kelso, Clarence A., Los Angeles, Calif. Oil well grapple. 2,072,338; Mar. 2.
Kemp, Cornelius S. (See Blake, K. B., and Kemp.)
Kenney, Mahlon W., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Compressor. 2,072,307; Mar. 2.
Kern, Rudolf, Oschatz, assignor to firm: Chemische Fabrik R. Baumhcier Aktiengesellschaft, Zschollau, Germany. Manufacture of wetting, penetrating, frothing, and washing agents. 2,072,475; Mar. 2.
Kershaw, Arnold. (See Wyler, M., and Kershaw.)
Kessler, Charles J., Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Oven and the like. 2,072,820; Mar. 2.
Keyssner, Ernst. (See Reppe, W., and Keyssner.)
Keyssner, Ernst. (See Reppe, W., Keyssner, and Dorrer.)
Kidde, Walter, Sales Company. (See Hill, Valentine J., Jr., assignor.)
Kliecksee, Max, Wilmersdorf, Berlin, assignor to Knorr-Bremse Aktiengesellschaft, Lichtenberg, Berlin, Germany. Percussive tool driven by an internal combustion engine. 2,072,266; Mar. 2.
Kile, George B., Portland, Oreg., assignor to Libby, McNeill & Libby, Chicago, Ill. Beet peeler. 2,072,598; Mar. 2.
Kimble Glass Company. (See Anastor, Charles G., assignor.)
King, William B., Needham, Mass. Ignition system. 2,072,112; Mar. 2.
Kingsley, George A., deceased, Detroit, Mich., R. Riethmiller, administratrix. Exhaust system for automotive engines. 2,072,372; Mar. 2.
Kirkpatrick, Floyd M., Erie, Pa. Automatic closure-support. 2,072,520; Mar. 2.
Klau, David W., New York, N. Y. Duplex sewing machine. 2,072,113; Mar. 2.
Kleinschmit, Oscar. (See Apitzsch, M., and Kleinschmit.)
Klinkhamer, Hendrik A. W., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Three-phase transformer and protective device therefor. 2,072,210; Mar. 2.
Knee, Aaron A., assignor to Vanak Corporation, Charlotte, N. C. Check testing apparatus. 2,072,504; Mar. 2.
Knee, Aaron A., assignor to Vanak Corporation, Charlotte, N. C. Anticlog means for check controlled apparatus. 2,072,505; Mar. 2.
Knepper, George E., and W. E. Frank, Altoona, Pa. Car roof running board. 2,072,171; Mar. 2.
Knorr-Bremse Aktiengesellschaft. (See Kliecksee, Max, assignor.)
Knott, Clyde L. (See Topham, L. E., and Knott.)
Koenigs, Ernst, Breslau, and E. Ruppelt, Waldenburg, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Phenyl-pyridinium sulphonic acid dyestuffs and preparing them. 2,072,401; Mar. 2.
Kogan, Jacob J., et al. (See Dickinson, Ibel E., assignor.)
Kolbe, Joachim, Hanover, Germany. Motor vehicle. 2,072,521; Mar. 2.
Koppers Company. (See Totzek, Friedrich, assignor.)
Koppers Company. (See Van Ackeren, Paul, assignor.)
Kosa, Emma L., Overland, Mo. Jug spout. 2,072,756; Mar. 2.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Container. 2,072,426; Mar. 2.
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Container. 2,072,802; Mar. 2.
Kramar, Ernst, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. System for landing aircraft. 2,072,267; Mar. 2.
Kramar, Ernst, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Transmitter for electromagnetic waves. 2,072,268; Mar. 2.
Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Making tinsel garlands. 2,072,560; Mar. 2.
Krause Medico Gesellschaft mit beschrankter Haftung. (See Kretschmer, Erich, assignor.)
Kreider, Gideon R., Jr., Lebanon, Pa. Method and apparatus for making boxes. 2,072,678; Mar. 2.
Kretschmer, Erich, assignor to Krause Medico Gesellschaft mit beschrankter Haftung, Munich, Germany. Dietetic foodstuff and preparing same. 2,072,402; Mar. 2.
Kubalanza, Frank J., assignor to J. K. Cislak, Chicago, Ill. Printing plate holder for addressing machines. 2,072,588; Mar. 2.
Kuhns, Austin, and C. F. Lautz, said Kuhns assignor to Farrel-Birmingham Co. Inc., and said Lantz assignor to Houde Engineering Corporation, Buffalo, N. Y. Coupling. 2,072,561; Mar. 2.
Kutz, Walter M. (See Clark, F. M., and Kutz.)
Labin, Frank R., Buffalo, N. Y. Making gear wheels. 2,072,308; Mar. 2.
Lancaster Processes, Inc. (See Robinson, Thomas, assignor.)
Landsiedel, Harry, Wilton, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Multiple sheet pack and/or container. 2,072,757; Mar. 2.
Lane, Harold. (See Pratt, J. W., and Lane.)
Larrabee, Clinton E., Binghamton, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Time indicating device. 2,072,457; Mar. 2.
Lassiter, Alwyn D., Philadelphia, Pa. Audio frequency amplification. 2,072,114; Mar. 2.
Lausen, Christian A., Fort Worth, Tex. Valve gear for a liquid pump operating motor. 2,072,403; Mar. 2.
Lautz, Carl F. (See Kuhns, A., and Lautz.)
Lawson, Walter E. (See Dykstra, H. B., and Lawson.)
Layne, Leslie A. (See Roco, A. L., and Walters, assignors.)
Le Boutillier, Henry W. (See Folmsbee, C. H., Le Boutillier, and Hess.)
Lee, John R., assignor to Cantilever Seat Company, Incorporated, Wallingford, Conn. Spring cushion. 2,072,562; Mar. 2.
Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Piston, and piston and connecting rod assembly. 2,072,373; Mar. 2.
Lemaitre, Maurice, Marcinelle, Belgium. Device for covering the steam exhaust pipe of locomotives. 2,072,599; Mar. 2.
Lemmon, Walter S., New York, N. Y., H. R. Rose, Newark, N. J., and F. W. Young, Little Neck, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Power operated transmitter. 2,072,458; Mar. 2.
Lent, Cos P., New York, N. Y. Dispensing and measuring gasoline or the like. 2,072,522; Mar. 2.
Lentz, Charles L., Kansas City, Mo. Cathartic. 2,072,589; Mar. 2.
Leroy, Louis. (See Foster, H. C., and Leroy.)
Leroy, Louis, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Societe Anonyme, Paris, France. Mercury vapor rectifier. 2,072,404; Mar. 2.
Leustig, Benno B., Cleveland, Ohio. Dispensing receptacle. 2,072,506; Mar. 2.
Leverenz, Humboldt W., Collingswood, N. J., assignor to Radio Corporation of America, New York, N. Y. Luminescent screen. 2,072,115; Mar. 2.
Levy, Baruch, Chelsea, Mass. Sugar dispenser. 2,072,640; Mar. 2.
Levy, Nathan M., Baltimore, Md. Alarm. 2,072,523; Mar. 2.
Lewis, Robert P., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Clutch mechanism. 2,072,116; Mar. 2.
Lewis, Robert P., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Clutch mechanism. 2,072,117; Mar. 2.
Lewis, Thomas, and S. J. Robinson, Munford, N. Y. Safety parachute attachment for airplanes. 2,072,600; Mar. 2.
Libby, McNeill & Libby. (See Kile, George B., assignor.)
Libby, Paul J., Lewiston, Maine. Soot and creosote eliminator. 2,072,758; Mar. 2.
Liley, James A., St. Louis, Mo. Bottle filling and capping machine. 2,072,759; Mar. 2.
Lindemon, William H. (See Cuthbert, W. R., and Lindemon.)
Lindner, Benjamin. (See Friedman, W., and Lindner.)
Lindquist, David E., assignor to Mueller Brass Co., Port Huron, Mich. Manufacture of fittings. 2,072,591; Mar. 2.
Lindsley, George F., Wauwatosa, Wis. Recording golf tee. 2,072,405; Mar. 2.
Lippert, Henry E., Pittsburgh, Pa. Conveyer. 2,072,406; Mar. 2.
Lippitt, Stephen W., Cleveland, Ohio. Air bag. 2,072,459; Mar. 2.
Little, Harry, Rye, assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Registering mechanism. 2,072,480; Mar. 2.
Lockyer, Robert H., San Francisco, Calif. Combination flowerpot. 2,072,172; Mar. 2.
Lodge, Frank. (See Haddock, N. H., Lodge, and Lumsden.)
Loew, Theodore, Brooklyn, N. Y. Printing press. 2,072,716; Mar. 2.
Loftis, Homer J. (See Nichols, H. J., Forbes, Harmon, and Loftis.)
London, Le Roy P. (See Campbell, D. J., and London.)
Loose Leaf Metals Company. (See Dawson, James C., assignor.)
Lorenz, C., Aktiengesellschaft. (See Begun, Semi, assignor.)
Lorenz, C., Aktiengesellschaft. (See Herzog, R., and Hahnemann, assignors.)
Lorenz, C., Aktiengesellschaft. (See Kramar, Ernst, assignor.)
Lottritz, William, San Francisco, Calif. Shock absorber. 2,072,173; Mar. 2.
Love, Carl F., assignor to California Prune & Apricot Growers Association, San Jose, Calif. Treating figs. 2,072,309; Mar. 2.
Lowry, Julius C., and O. M. Rybolt, assignors to Magnetic Tool Company, Inc., Detroit, Mich. Jigsaw. 2,072,590; Mar. 2.
Lucarelle, Joseph M., Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y. Reproducer for phonographs. 2,072,803; Mar. 2.
Ludwig, Carl L., Hermosa Beach, Calif. Measuring and dispensing appliance. 2,072,760; Mar. 2.
Lum, Walter O., Schenectady, N. Y., assignor to General Electric Company. Viscosity compensated flow control. 2,072,761; Mar. 2.
Lumsden, Colin H. (See Haddock, N. H., Lodge, and Lumsden.)
Lynch, John E., H. L. Pope, and A. H. Hawley, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Automatic multiple broaching machine. 2,072,563; Mar. 2.
Lyon Metal Products, Incorporated. (See Bales, James E., assignor.)
Lyons, Walter, Flushing, N. Y., assignor to Hazeltine Corporation. Coupling system. 2,072,679; Mar. 2.
MacDonald, Clifford K., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for folding sheet material. 2,072,211; Mar. 2.
Mace, Donald H., Upper Montclair, N. J., assignor to The Texas Company, New York, N. Y. Converting hydrocarbon oils. 2,072,524; Mar. 2.
MacKenzie, Joseph B., Erie, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Stoker. 2,072,821; Mar. 2.
Mackin, Henry J., Kankakee, Ill. Latch. 2,072,269; Mar. 2.
Madland, Gabriel, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Door. 2,072,641; Mar. 2.
Magazine Repeating Razor Company. (See Hilliard, John H., assignor.)
Magnetic Tool Company. (See Lowry, J. C., and Rybolt, assignors.)
Magnon, Harry L., Dover, Fla. Cultivator. 2,072,762; Mar. 2.
Mahlman, Osborne L., Kenmore, and R. C. Benner, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Bonded abrasive article and manufacturing the same. 2,072,507; Mar. 2.
Mahlman, Osborne L., Kenmore, and R. C. Benner, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Rubber-resin dispersions. 2,072,508; Mar. 2.
Malinite Corporation. (See Malinovszky, Andrew, assignor.)
Malinovszky, Andrew, South Gate, assignor, by mesne assignments, to Malinite Corporation, Los Angeles, Calif. Ceramic tile composition. 2,072,460; Mar. 2.
Manahan, Max J. (See Barrett, E. L., and Manahan.)
Mann, Frank L., La Mesa, Calif. Apparatus for holding a door open. 2,072,525; Mar. 2.
Manoil, Jack, Brooklyn, N. Y. Toy vehicle. 2,072,374; Mar. 2.
Marbo Patents, Inc. (See Gebauer-Fuelnegg, E., and Moffett, assignors.)
Marbury, Ralph E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective device for capacitors. 2,072,717; Mar. 2.
Marsh, Carl H. (See Baird, F. S., and Marsh.)
Marshall, Carroll E., Richmond, Calif. Reverse gear. 2,072,174; Mar. 2.
Marshall Field & Company. (See Faulkner, Harold W., assignor.)
Martin, Edward L., Providence, assignor to H & B American Machine Company, Pawtucket, R. I. Top roll for textile drafting machines. 2,072,642; Mar. 2.
Martin, Herbert E., Cumberland, Md., assignor to Celanese Corporation of America. Making organic esters of cellulose. 2,072,270; Mar. 2.
Master Venetian Blind Hardware Corporation. (See Nisenson, Julius, assignor.)

May, Walter H., Pelham Manor, N. Y. Hot water bottle cover. 2,072,564; Mar. 2.
Maynard, Arthur H. (See Davis, E. W., and Maynard.)
Mayo, Edward L., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Heating automotive vehicle interiors. 2,072,763; Mar. 2.
Mays, Charles B., assignor, by mesne assignments, to C. B. Mays, trustee, Miami, Fla. Dehumidifier. 2,072,643; Mar. 2.
McKee, Avery, Baltimore, Md. Raincoat. 2,072,644; Mar. 2.
McCallum, Jean, assignor to National Lead Company, St. Louis, Mo. Process and apparatus for oxidizing materials. 2,072,375; Mar. 2.
McConway & Torley Corporation. (See Regan, William J., assignor.)
McCoy, James J., Pocatello, Idaho. Car and truck holder. 2,072,764; Mar. 2.
McCullough, Otis J., Huntington Park, Calif. Outside pipe cutter. 2,072,341; Mar. 2.
McDerment, James H., assignor to The Swartwout Company, Cleveland, Ohio. Ridge ventilator. 2,072,461; Mar. 2.
McKee, John T. (See Grayson, George W., assignor.)
McKee, Neal T., Bronxville, assignor to The Superheater Company, New York, N. Y. Swaging machine. 2,072,680; Mar. 2.
McKee, Ralph H., and W. S. Johnston, New York, N. Y. Removing fluorides from water. 2,072,376; Mar. 2.
McKesson, Martha F. (See Bloomheart, John L., assignor.)
McLaughlin, Howard B., Detroit, Mich. Mixing valve. 2,072,645; Mar. 2.
McMaster, Archie J., and C. E. Parson, assignors to G-M Laboratories, Inc., Chicago, Ill. Photoelectric tube. 2,072,342; Mar. 2.
McMenamin, James F. (See Shannon, E. M., and McMenamin.)
McMullen, Joseph B., Washington, D. C. Vehicle window. 2,072,310; Mar. 2.
McNairy, Jacob W., Erie, Pa., assignor to General Electric Company. Hydraulic operating mechanism for circuit breakers and the like. 2,072,481; Mar. 2.
Meadows, Claude C., Tulsa, Okla. Safety valve. 2,072,271; Mar. 2.
Mednick, Philip, Brooklyn, N. Y. Brush implement. 2,072,175; Mar. 2.
Meeg, Alfred B. (See Gray, D. J., and Meeg.)
Meeker, David A., and J. C. Singer, assignors to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,072,681; Mar. 2.
Menck & Hambrock G. m. b. H. (See Seidl, Karl, assignor.)
Mercer, Harold E., Columbus, Ohio. Garnishing device. 2,072,509; Mar. 2.
Mergenthaler Linotype Company. (See Albrecht, Christian A., assignor.)
Mergenthaler Linotype Company. (See Aynge, William E., assignor.)
Messing, Joseph. (See Frank, W. H., and Messing.)
Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
Meyer, Kurt. (See Scholl, R., Meyer, and Donat.)
Michelssen, Fritz. (See Schröter, F., and Michelssen.)
Mikeska, Louis A. (See Fulton, S. C., and Mikeska.)
Mikeska, Louis A., and S. C. Fulton, Elizabeth, N. J., assignors to Standard Oil Development Company. Resinous material. 2,072,120; Mar. 2.
Milk Processes, Inc. (See Wendt, Herman D., assignor.)
Miller, Charles, deceased, Long Island City, N. Y., I. G. Miller, executrix. Last and last attachment. 2,072,838; Mar. 2.
Miller, Elmer L. (See Walther, G., and Miller.)
Miller, I., & Sons, Inc. (See Schmidt, Victor T., assignor.)
Miller, Ida G., executrix. (See Miller, Charles.)
Mills, Percy E., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector. 2,072,462; Mar. 2.
Mims, Howard S., assignor of forty-nine per cent to W. B. Huskey, Dallas, Tex. Wrench. 2,072,463; Mar. 2.
Miner, James H., Meridian, Miss. Ice tray. 2,072,601; Mar. 2.
Miner, W. H., Inc. (See Olander, Roland J., assignor.)
Mitchell, Allister S., assignor to National Automotive Fibres, Inc., Detroit, Mich. Method and apparatus for manufacturing upholstered panels. 2,072,602; Mar. 2.
Mitchell, Allister S., assignor to National Automotive Fibres, Inc., Detroit, Mich. Upholstery panel. 2,072,603; Mar. 2.
Mitchell, Doren. (See Taylor, E. R., and Mitchell.)
Moehle, Frederick W., assignor to The Robbins Co., Attleboro, Mass. Sun dial. 2,072,565; Mar. 2.
Moffett, Eugene W. (See Gebauer-Fuelnegg, E., and Moffatt.)
Moloney, Raymond T., Chicago, Ill. Telltale device for games. 2,072,510; Mar. 2.
Monroe, George E., Detroit, Mich. Spring nut lock. 2,072,176; Mar. 2.
Montgomery, Alonzo B., assignor to The Cold Metal Process Company, Youngstown, Ohio. Method and apparatus for guiding material. 2,072,121; Mar. 2.
Montgomery, Alonzo B., assignor to The Cold Metal Process Company, Youngstown, Ohio. Rolling mill. 2,072,122; Mar. 2.
Moore, Hugh K., assignor to Brown Company, Berlin, N. H. Manufacture and refinement of chemical pulps and regeneration of the spent chemical liquors. 2,072,177; Mar. 2.
Moosdorf, Walter, Cologne, and P. Wolski, Leverkusen-Wiesdorf, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Embedding mass. 2,072,212; Mar. 2.
Morgan, Charles W., Chicago, Ill. Game of skill. 2,072,682; Mar. 2.
Morrison, Edwin, Denver, Colo. Centrifugal machine. 2,072,377; Mar. 2.
Morrison, William A., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Mounting for rock drills. 2,072,526; Mar. 2.
Moss, Benjamin F. (See Smart, N. C., and Moss.)
Mueller Brass Co. (See Lindquist, David E., assignor.)
Mulder, Johannes G. W., and D. M. Duinker, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Rectifying tube. 2,072,604; Mar. 2.
Mundell, Paul. (See Cuthbert, W. R., and Mundell.)
Munsch, Pierre, Guebwiller, France. Automatic discharge device for roasters. 2,072,718; Mar. 2.
Murphy, P. H., Company. (See Gilpin, Garth G., assignor.)
Mussey, William H., and M. P. Blomberg, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Light-weight vehicle underframe. 2,072,804; Mar. 2.
Myard, Francis E., Paris, assignor to Societe Anonyme Compagnie des Machines Pneumatiques Rotatives, Asnieres-sur-Seine, France. Compressor or pump. 2,072,482; Mar. 2.
Myles Salt Company. (See Schwartz, Simon B., assignor.)
N. D. Q. Specialty Corporation. (See Weiss, Leo, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Klinkhamer, Hendrik A. W., assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Mulder, J. G. W., and Duinker, assignors.)
N. V. Philips' Gloeilampenfabrieken. (See van Urk, Arend T., assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Vollenbroek, J. B. L., and Horowitz, assignors.)
Narrow Fabric Company, The. (See Busch, C. J., and Huber, assignors.)
Narten, Henry S., et al. (See Hill, Joseph M., assignor.)
National Automotive Fibres, Inc. (See Mitchell, Allister S., assignor.)
National Bronze & Aluminum Foundry Company, The. (See Shafner, Jerold H., assignor.)
National Electric Products Corporation. (See Corbett, Alfred, assignor.)
National Lead Company. (See McCallum, Jean, assignor.)
Naundorf, Wilhelm K., Scheveningen, Netherlands. Bathing cap. 2,072,483; Mar. 2.
Neitzke, Oscar F., Belmont, assignor to Bennett Incorporated, Cambridge, Mass. Manufacture of starch-sized papers. 2,072,179; Mar. 2.
Neldner, Stephen W., assignor to G. G. Bohn, Milwaukee, Wis. Automatic lighter. 2,072,178; Mar. 2.
Nelson, Charles S. (See Wooddell, C. E., Upper, and Nelson.)
Nelson, Edwin F., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,072,123; Mar. 2.
Nelson, Edwin F., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Conversion and coking of hydrocarbon oils. 2,072,378; Mar. 2.
Neuman, Herman C., Dearborn, Mich. Fertilizer spray. 2,072,124; Mar. 2.
New York Knitting Mills, Inc. (See Rheinauer, Daniel, assignor.)
Nichols, Harry J., H. C. Forbes, and W. S. Harmon, Dayton, and H. J. Loftis, Ironton, Ohio, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiving system. 2,072,272; Mar. 2.
Nicolson, Alexander M., assignor to Communications Patents, Inc., New York, N. Y. Multiple sound and picture recording and projection system. 2,072,527; Mar. 2.
Nicolson, Alexander M., assignor to Communications Patents, Inc., New York, N. Y. Impulse television system. 2,072,528; Mar. 2.
Niedorff, Paula, New York, N. Y. Finger pointer and nail protector. 2,072,683; Mar. 2.
Nisenson, Julius, Brooklyn, assignor to Master Venetian Blind Hardware Corporation, New York, N. Y. Venetian blind. 2,072,464; Mar. 2.
Nofade Electric Corporation, The. (See Kamm, Robert A., assignor.)
Nore, Waldo D., Pitcairn, Pa. Automatic control for water lock feed for steam boilers. 2,072,467; Mar. 2.
Norelius, Emil F., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Crawler mechanism. 2,072,529; Mar. 2.
North American Rayon Corporation. (See Bley, Rudolph S., assignor.)
Novick, Abraham, Flushing, N. Y., assignor, by mesne assignments, to United States Envelope Company, Worcester, Mass. Fastener strip. 2,072,125; Mar. 2.

Nutsford, Alfred, Farnborough, England. Liquid depth or contents gauge. 2,072,311; Mar. 2.
Nyhagen, Barney R., New York, N. Y. Billiard cue. 2,072,484; Mar. 2.
Oakley, Laurence M., assignor to Essex Rubber Company, Trenton, N. J. Sole. 2,072,765; Mar. 2.
Obermaier, John A., Chicago, Ill. Temperature indicating instrument. 2,072,312; Mar. 2.
Obert, Casin W., Mount Vernon, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Pressure vessel shell and forming the same. 2,072,273; Mar. 2.
O'Brien, James H., Chicago, Ill., assignor to American Blower Corporation, Detroit, Mich. Air conditioning system. 2,072,427; Mar. 2.
Ocenasek, William F., assignor to Walker-Turner Company, Inc., Plainfield, N. J. Drill press spindle drive and mounting. 2,072,646; Mar. 2.
Ohlbaum, Karl, et al. (See De Cesare, M., and Cohn, assignors.)
Oil Engine Development Company. (See Cummins, Clessie L., assignor.)
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,072,274; Mar. 2.
Oliver, Paul E., San Diego, Calif. Detectable refilled and premium bottle. 2,072,126; Mar. 2.
Oppen, Erich. (See Grave, G., and Oppen.)
Orris, John A., Windber, Pa. Rumble seat top. 2,072,766; Mar. 2.
Otis Elevator Company. (See Andres, Charles M., assignor.)
Overhead Door Corporation. (See Blodgett, Herbert C., assignor.)
Owén, Jonas L., Norredsbyn, Sweden. Saw blade. 2,072,624; Mar. 2.
Owen Silent Spring Company, The. (See Smith, Rudolph O., assignor.)
Packard Motor Car Company. (See Paton, Clyde R., assignor.)
Palmer, Paul L., South Bend, Ind. Game. 2,072,605; Mar. 2.
Parise, Giuseppe, Chicago, Ill. Cover for steam tables and the like. 2,072,428; Mar. 2.
Park City Cornice Works, Incorporated. (See Saur, O. X., and Pitz, assignors.)
Parker, Frank O., assignor to Acme Steel & Malleable Iron Works, Inc., Buffalo, N. Y. Joint forming means and construction making use thereof. 2,072,647; Mar. 2.
Parson, Charles E. (See McMaster, A. J., and Parson.)
Parsons, Robert J., Schenectady, assignor to Consolidated Car Heating Company, Inc., Albany, N. Y. Heating unit circuit breaker. 2,072,822; Mar. 2.
Patch, Wallace B., assignor to The Sparks-Withington Company, Jackson, Mich. Signaling device. 2,072,313; Mar. 2.
Patent Button Company, The. (See Richardson, Horace W., assignor.)
Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,072,180; Mar. 2.
Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Shock absorber control mechanism. 2,072,181; Mar. 2.
Patterson, Herbert F., assignor to Chrysler Corporation, Detroit, Mich. Motor vehicle power transmission. 2,072,379; Mar. 2.
Pearce, George C., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigeration. 2,072,767; Mar. 2.
Pearsall, David E., Pittsburgh, Pa., assignor to The Ensign-Bickford Company. Slow-burning powder for fuses, etc. 2,072,719; Mar. 2.
Pearsall, David E., Pittsburgh, Pa., assignor to The Ensign-Bickford Company. Slow-burning powder for fuses, etc. 2,072,720; Mar. 2.
Peerless Chain Company. (See Stokke, Harold, assignor.)
Peirce, John R., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,072,429; Mar. 2.
Perfection Stove Company. (See Kessler, Charles J., assignor.)
Perrelet, Armand, Paris, France, assignor to Signode Steel Strapping Company, Chicago, Ill. Combined stretching and sealing tool. 2,072,566; Mar. 2.
Pestarini, Joseph M., Grant City, Staten Island, N. Y. Electrical generator supplying two loads, one at variable voltage and another at constant voltage. 2,072,768; Mar. 2.
Petroleum Conversion Corporation. (See Sachs, Albert P., assignor.)
Peyser, Joseph, Mount Vernon, N. Y. Method of and means for feeding articles. 2,072,275; Mar. 2.
Pfeiffer, Karl, Detroit, S. T. Forssman, Royal Oak, and A. H. Fries, assignors to Chrysler Corporation, Highland Park, Mich. Power driving device. 2,072,380; Mar. 2.
Phelps, Edward M. (See Tracey, J. E., and Phelps.)
Philadelphia & Reading Coal & Iron Company, The. (See Hobson, Joseph R. A., Jr., assignor.)
Philco Radio & Television Corporation. (See Earnshaw, David P., assignor.)
Phillips Petroleum Company. (See Fitch, Louis H., Jr., assignor.)
Pickup, George E., assignor, by mesne assignments, to Florence-Wehrle Stove Co., Newark, Ohio. Cooking stove. 2,072,276; Mar. 2.
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pilkington, Ernest L., and J. F. Turner, Detroit, Mich. Artificial teeth and forming the same. 2,072,127; Mar. 2.
Pitz, Adolph G. (See Saur, O. X., and Pitz.)
Plack, Frank F., assignor to The Dickey-Grabler Company, Cleveland, Ohio. Handle connection. 2,072,823; Mar. 2.
Plew, James E., Valparaiso, Fla. Inhaler. 2,072,407; Mar. 2.
Plyer, Donald C. (See Watkins, D. J., Abbink-Spaink, and Plyer.)
Pogue, Charles N., Norwood, Winnipeg, Manitoba, Canada. Aeroplane. 2,072,277; Mar. 2.
Poirette Corsets, Inc. (See Robbins, Philip H., assignor.)
Pollak, Ellyv Vienna, Austria. Treating porous masses. 2,072,408; Mar. 2.
Polsky, Michael, Brooklyn, N. Y. Slip. 2,072,182; Mar. 2.
Poor & Company. (See Disbrow, Clarkson A., assignor.)
Pope, Howard L. (See Lynch, J. E., Pope, and Hawley.)
Pope Machinery Corporation. (See Howard, Merton W., assignor.)
Pope Machinery Corporation. (See Pope, William R., assignor.)
Pope, William R., assignor to Pope Machinery Corporation, Haverhill, Mass. Machine for operating on heels. 2,072,128; Mar. 2.
Post, Chester L., Chicago, Ill. Concrete slab joint. 2,072,381; Mar. 2.
Potter, Thomas I., Buffalo, N. Y. Refrigerator. 2,072,567; Mar. 2.
Pratt, John W., and H. Lane, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,072,213; Mar. 2.
Price, John R. (See Trickey, J. P., and Price.)
Prinz, Dietrich. (See Jobst, G., and Prinz.)
Puffer-Hubbard Mfg. Co. (See Goetzmann, Albert L., assignor.)
Pullman-Standard Car Manufacturing Company. (See Mussey, W. H., and Blomberg, assignors.)
Puryear, Oney P., Beacon, assignor to The Texas Company, New York, N. Y. Making castor oil soap. 2,072,824; Mar. 2.
Pym, Arthur F., executor. (See Pym, Charles F.)
Pym, Charles F., deceased, Beverly, by A. F. Pym, executor, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method and means for use in lasting shoes. 2,072,214; Mar. 2.
Pyro Products Corporation. (See Hinsky, Anthony P., assignor.)
R. U. V. Engineering Corporation. (See Berndt, E. C., and Creighton, assignors.)
Rackett, Gerald F. (See Ball, J. A., and Rackett.)
Radio Corporation of America. (See Grimes, David, assignor.)
Radio Corporation of America. (See Leverenz, Humboldt W., assignor.)
Radio Corporation of America. (See Nichols, H. J., Forbes, Harmon, and Loftis, assignors.)
Radio Corporation of America. (See Schade, Otto H., assignor.)
Radio Corporation of America. (See Snow, Harold A., assignor.)
Radio Corporation of America. (See Zigler, Charley J., assignor.)
Rahm, Edward, assignor to A. M. Barr, Pittsburgh, Pa. Low temperature carbonization. 2,072,721; Mar. 2.
Ralston Steel Car Company. (See Daniell, James F., assignor.)
Randall, Meredith S., assignor to Woodall Industries Incorporated, Detroit, Mich. Visor construction. 2,072,648; Mar. 2.
Raynor, John S., Holmesburg, Pa. Building construction. 2,072,684; Mar. 2.
Reconstruction Finance Corporation. (See Gauger, Frank A., assignor.)
Reconstruction Finance Corporation. (See Kenney, Mahlon W., assignor.)
Reed, Thomas L., Los Angeles, Calif. Lift for sadirons. 2,072,217; Mar. 2.
Reeder, Homer E., Lima, Ohio. Electric motor construction. 2,072,769; Mar. 2.
Reeves Manufacturing Company, The. (See Hunker, Martin L., assignor.)
Reeves, Orwell C., Dayton, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Scale bearing. 2,072,649; Mar. 2.
Regan, William J., assignor to McConway & Torley Corporation, Pittsburgh, Pa. Coupler. 2,072,606; Mar. 2.
Reid, Ebenezer E., Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition and drier therefor. 2,072,770; Mar. 2.
Reinhardt, Otto K., Jamaica, N. Y., assignor to Bond Electric Corporation, Jersey City, N. J. Dry cell encasing apparatus. 2,072,568; Mar. 2.
Reisman, Mildred S. (See Birch-Field, Charles A., assignor.)

Remington Arms Company. (See Curtis, John B., assignor.)
Remington Rand Inc. (See Landsiedel, Harry, assignor.)
Rentchler, Frances A., Mamaroneck, N. Y. Sun mask. 2,072,183; Mar. 2.
Reppe, Walter, E. Keyssner, and E. Dorrer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of polymeric N-vinyl compounds. 2,072,465; Mar. 2.
Reppe, Walter, and E. Keyssner, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Condensation products from hydroxylated cyclic compounds and acetylene. 2,072,825; Mar. 2.
Reynolds Metals Company. (See Graham, Arthur, assignor.)
Rheinauer, Daniel, assignor to New York Knitting Mills, Inc., New York, N. Y. Combined bathing trunks and supporter. 2,072,184; Mar. 2.
Rhodes, George I., Glen Ridge, N. J. Safety system for pipe lines. 2,072,314; Mar. 2.
Ricevuto, Andrea, Palermo, and A. H. Bennett, Messina, Italy. Manufacture of citrate of lime from citrus fruits. 2,072,530; Mar. 2.
Richardson, Charles G., assignor to Builders Iron Foundry, Providence, R. I. Flow control system. 2,072,531; Mar. 2.
Richardson, Horace W., Tucker, Ga., assignor to The Patent Button Company, Waterbury, Conn. Novelty button. 2,072,218; Mar. 2.
Richter, George, Stapleton, N. Y. Oil burner. 2,072,343; Mar. 2.
Richter, Gus, New York, N. Y. Garment support. 2,072,685; Mar. 2.
Ricks, Fred, and E. Hope, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Abrading tool. 2,072,129; Mar. 2.
Riethmiller, Ruth, administratrix. (See Kingsley, George A.)
Rigby, George W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical products and preparing same. 2,072,771; Mar. 2.
Riley, Clare S., Windsor, assignor to Hartford-Empire Company, Hartford, Conn. Article transferring mechanism. 2,072,826; Mar. 2.
Risser, Arthur I., assignor to U. S. Bottlers Machinery Co., Chicago, Ill. Container filling machine. 2,072,344; Mar. 2.
Robbins Co., The. (See Moehle, Frederick W., assignor.)
Robbins, Philip H., assignor to Poirette Corsets, Inc., New York, N. Y. Detachable combination garment. 2,072,839; Mar. 2.
Roberts, R. P. (See Johnson, E. B., and Roberts.)
Robinson, Jack, East Alton, assignor to Standard Oil Company, Chicago, Ill. Countercurrent contactor. 2,072,382; Mar. 2.
Robinson, Leslie, Hedley, British Columbia, Canada. Wire cable end clamp. 2,072,215; Mar. 2.
Robinson, Sidney J. (See Lewis, T., and Robinson.)
Robinson, Thomas, Smithtown, assignor to Lancaster Processes, Inc., New York, N. Y. Composition of matter and making the same. 2,072,686; Mar. 2.
Robinson, Thomas, Smithtown, assignor to Lancaster Processes, Inc., New York, N. Y. Manufacture of plastic material. 2,072,687; Mar. 2.
Robison, Sidney J., Chicago, Ill. Flexible support for rotary kilns. 2,072,219; Mar. 2.
Roco, Albert L., and W. V. Walters, assignors, by mesne assignments, to L. A. Layne, Houston, Tex. Set shoe. 2,072,430; Mar. 2.
Roebling's, John A., Sons Company. (See Voorhees, Harris W., assignor.)
Roedels, George D., New York, N. Y., assignor to Bell Punch Company, Ltd., London, England. Admission ticket checking apparatus. 2,072,532; Mar. 2.
Rogers, Allen H., York Village, Maine. Smoking pipe. 2,072,773; Mar. 2.
Röhm & Haas Company. (See Bruson, H. A., and Stein, assignors.)
Rohrer, Josiah H., Philadelphia, Pa. Air heater. 2,072,466; Mar. 2.
Roode, Lewis P., Gallup, N. Mex. Lawn mower sharpener. 2,072,772; Mar. 2.
Roscoe Manufacturing Company. (See Cederstrom, Harold A., assignor.)
Rose, Chester E., Parlin, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Reloadable film cartridge. 2,072,625; Mar. 2.
Rose, Herman R. (See Lemmon, W. S., Rose, and Young.)
Rose, William H., Jersey City, N. J. Golf-ball tee. 2,072,688; Mar. 2.
Rosenthal, Henry, New York, N. Y. Metering means. 2,072,409; Mar. 2.
Ross, Marjorie V., Long Beach, Calif. Piano teaching apparatus. 2,072,511; Mar. 2.
Ross, Simon G., Cincinnati, Ohio, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and making it. 2,972,216; Mar. 2.
Rottman, George, Brooklyn, N. Y. Knock down cabinet. 2,072,383; Mar. 2.
Rowe, George E., Wethersfield, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for feeding molten glass. 2,072,827; Mar. 2.
Rupp, John L. (See Graves, C. J., Rupp, and Breisch.)
Ruppelt, Edgar. (See Koenigs, E., and Ruppelt.)
Rybolt, Ora M. (See Lowry, J. C., and Rybolt.)
Sachs, Albert P., Brooklyn, assignor to Petroleum Conversion Corporation, New York, N. Y. Process of and apparatus for converting hydrocarbon oils in the vapor phase. 2,072,131; Mar. 2.
Sandison, Alexander G. S., Kelda, Baltasound, Shetland, Great Britain. Fluid flow meter. 2,072,220; Mar. 2.
Satake, Shuzo. (See Ikeda, R., and Satake.)
Saur, Otto X., and A. G. Pitz, assignors to Park City Cornice Works, Incorporated, Bridgeport, Conn. Skylight operator. 2,072,468; Mar. 2.
Schade, Otto H., West Orange, N. J., assignor to Radio Corporation of America. Voltage multiplier circuit. 2,072,278; Mar. 2.
Scharrer, Paul, Staaken, near Spandau, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Operation of radio broadcast stations. 2,072,279; Mar. 2.
Scheetz, Henry F., Jr., assignor to Fuller Label & Box Company, Pittsburgh, Pa. Metal cigar band. 2,072,221; Mar. 2.
Schein, August P., Chicago, Ill. Flowerpot watering system. 2,072,185; Mar. 2.
Schering Corporation. (See Schwenk, E., and Whitman, assignors.)
Schliesinger, Kurt, Berlin, Germany. Push-pull detector. 2,072,315; Mar. 2.
Schmeller Holding Company. (See Schmeller, John, Sr., assignor.)
Schmeller, John, Sr., Lakewood, assignor to Schmeller Holding Company, Cleveland, Ohio. Metal working. 2,072,650; Mar. 2.
Schmid, Albert P. (See Kranz, P., and Schmid.)
Schmidt, Edwin X., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Methods of and apparatus for proportioning combustible fluids. 2,072,384; Mar. 2.
Schmidt, Victor T., assignor to I. Miller & Sons, Inc., Long Island City, N. Y. Orthopedic shoe. 2,072,828; Mar. 2.
Schmidt'sche Heissdampf-Gesellschaft, m. b. H. (See Hartmann, Otto H., assignor.)
Schneider, George, Montclair, and B. Andersen, Maplewood, N. J., assignors to Celanese Corporation of America. Sheet material and making same. 2,072,280; Mar. 2.
Schneider, Wilfred C., assignor to The Seamless Rubber Company, Inc., New Haven, Conn. Support for bath sprays. 2,072,345; Mar. 2.
Schnider, Otto, Basel, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. J. N-methyl-c, c-allyl-isopropyl-barbituric acid and manufacture of the same. 2,072,829; Mar. 2.
Schoepflin, Herbert C., Buffalo, N. Y. Grave marker and flower holder. 2,072,774; Mar. 2.
Scholl, Roland, Dresden, K. Meyer, Berlin-Zehlendorf, and J. Donat, Dresden, Germany. Vat dyestuffs of the anthraquinone series and making the same. 2,072,485; Mar. 2.
Schorle, Herman J., Astoria, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Percussive tool valve. 2,072,607; Mar. 2.
Schröter, Fritz, and F. Michelssen, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Electron tube. 2,072,651; Mar. 2.
Schubert, Max. (See Zerweck, W., and Schubert.)
Schulz, Otto H., Oakland, Calif. Teledictaphone. 2,072,316; Mar. 2.
Schüttkus, Richard A., Hamburg, Germany. Device for conveying loads over inclined or stepped surfaces. 2,072,222; Mar. 2.
Schwartz, Simon B., assignor to Myles Salt Company, Ltd., New Orleans, La. Dissolving apparatus. 2,072,385; Mar. 2.
Schwenk, Erwin, Montclair, N. J., and B. Whitman, New York, N. Y., assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J. Producing dihydro follicular hormones. 2,072,830; Mar. 2.
Scofield, Lynn M., Los Angeles, Calif. Café royale making device. 2,072,469; Mar. 2.
Scott, Marshall R., Ripon, Wis., and W. F. Herold, Bridgeport, assignors to The Bassick Company, Bridgeport, Conn. Caster socket. 2,072,132; Mar. 2.
Scott, Robert C., Cambridge, Mass. Liquid level indicator. 2,072,223; Mar. 2.
Seamless Rubber Company, The. (See Schneider, Wilfred C., assignor.)
Segal, Hyman R., New York, N. Y. Smoking implement. 2,072,431; Mar. 2.
Seidl, Karl, Munich, assignor to firm Menck & Hambrock G. m. b. H., Altona-Hamburg, Germany. Impact device. 2,072,224; Mar. 2.
Self-Locking Carton Co. (See Walsh, John E., assignor.)
Servel, Inc. (See Ulistrand, H. M., and Bergholm, assignors.)
Service Caster & Truck Company. (See Zeindler, Werner, assignor.)

Shafner, Jerold H., Euclid Village, assignor to The National Bronze & Aluminum Foundry Company, Cleveland, Ohio. Heat transfer apparatus. 2,072,652; Mar. 2.
Shannon, Ellwood M., Bala, and J. F. McMenamin, Philadelphia, Pa. Power reverse gear. 2,072,410; Mar. 2.
Sheaffer, W. A., Pen Company. (See Cuthbert, W. R., and Lindemon, assignors.)
Sheaffer, W. A., Pen Company. (See Cuthbert, W. R., and Mundell, assignors.)
Sherman, Jesse B., New York, N. Y. Oscillograph. 2,072,653; Mar. 2.
Sherman, John C., Attleboro, Mass. Making of pulp rovings, yarns, and twines. 2,072,138; Mar. 2.
Sherman, John Q. (See Sherman, J. Q., and Metzner.)
Sherman, John Q., Dayton, Ohio. Portable manifolding device. 2,072,133; Mar. 2.
Sherman, John Q., Dayton, Ohio. Portable manifolding device. 2,072,134; Mar. 2.
Sherman, John Q., and A. W. Metzner, Dayton, Ohio, said Metzner assignor to said Sherman. Portable register. 2,072,135; Mar. 2.
Sherman, John Q., and A. W. Metzner, Dayton, Ohio, said Metzner assignor to said Sherman. Strip dispensing apparatus. 2,072,136; Mar. 2.
Sherman, John Q., and A. W. Metzner, Dayton, Ohio, said Metzner assignor to said Sherman. Strip dispensing apparatus. 2,072,137; Mar. 2.
Shoan, Nels, assignor to Advance Aluminum Castings Corp., Chicago, Ill. Detachable handle. 2,072,569; Mar. 2.
Siemens & Halske, Aktiengesellschaft. (See Fischer, Ernst, assignor.)
Siemens & Halske Aktiengesellschaft. (See Scharrer, Paul, assignor.)
Siemens & Halske Aktiengesellschaft. (See Wochinger, Eduard, assignor.)
Signode Steel Strapping Company. (See Perrelet, Armand, assignor.)
Simonin, Raymond F., assignor to Societe d'Etudes des Procedes Simonin, Dijon, France. Mixing and atomizing apparatus for hydrocarbons and other fluid materials. 2,072,281; Mar. 2.
Simplex Products Corporation. (See Solenberger, Dean M., assignor.)
Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Coach lock and handle. 2,072,317; Mar. 2.
Sisbc, Julius, Torrington, Wyo. Beet digging and topping machine. 2,072,186; Mar. 2.
Slager, John C. (See Meeker, D. A., and Slager.)
Slater, Albert G., Miles City, Mont. Multiple purpose rubber accessory. 2,072,225; Mar. 2.
Smallwood, Harold S., Tacoma, Wash. Wall construction. 2,072,386; Mar. 2.
Smart, Norman C., Binley, near Coventry, and B. F. Moss, Coventry, assignors to The General Electric Company Limited, London, England. Lift and like controlling mechanism. 2,072,282; Mar. 2.
Smelker, Le Roy, Dayton, Ohio. Vehicle seat. 2,072,411; Mar. 2.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,072,689; Mar. 2.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,072,690; Mar. 2.
Smith, Alonzo E. (See Flinchbaugh, Henry K., assignor.)
Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Breech mechanism. 2,072,608; Mar. 2.
Smith, Harold A., Needham, Mass., and J. J. Fodor, Yonkers, N. Y., assignors to Frank W. Gorse Company, Needham Heights, Mass. Elastic yarn and fabric. 2,072,775; Mar. 2.
Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,072,486; Mar. 2.
Smith, Hiram P., Canton, Ill., assignor to International Harvester Company. Cultivator attachment for tractors. 2,072,139; Mar. 2.
Smith, Justin L., Watertown, assignor to Seymour Smith & Son, Inc., Oakville, Conn. Cutter. 2,072,140; Mar. 2.
Smith, Rudolph O., assignor to The Owen Silent Spring Company, Inc., Bridgeport, Conn. Air-bound spring cushion. 2,072,570; Mar. 2.
Smith, Seymour & Son, Inc. (See Smith, Justin L., assignor.)
Smith, Ward R., Dayton, Ohio. Drainage tube. 2,072,346; Mar. 2.
Sneed, Stephen P. F., Atlanta, Ga. Safety cordage. 2,072,387; Mar. 2.
Snow, Harold A., Mountain Lakes, N. J., assignor to Radio Corporation of America. Automatic gain control. 2,072,283; Mar. 2.
Snyder, Charles, Newark, N. J. Tobacco box. 2,072,388; Mar. 2.
Snyder, Francis H., assignor to Snyder Maclaran Processes, Inc., New York, N. Y. Purification of cellulosic material. 2,072,487; Mar. 2.
Snyder Maclaren Processes, Inc. (See Snyder, Francis H., assignor.)
Società Italiana Pierelli. (See Emanueli, Luigi, assignor.)
Societe Anonyme Compagnie des Machines Pneumatiques Rotatives. (See Myard, Francis E., assignor.)
Societe d'Etudes des Procedes Simonin. (See Simonin, Raymond F., assignor.)
Society of Chemical Industry in Basle. (See Stricker, Paul, assignor.)
Solenberger, Dean M., Cleveland, Ohio, assignor to Simplex Products Corporation. Rolling mill. 2,072,831; Mar. 2.
Sollish, Nathan. (See Cohen, T., and Sollish.)
Solomon, Guillermo, Santiago, Dominican Republic. Hydraulic transmission. 2,072,722; Mar. 2.
Solomon, Morris B., New York, N. Y. Closure for containers of the mixing and shaker type. 2,072,432; Mar. 2.
Solomon, Morris B., New York, N. Y. Cocktail shaker. 2,072,433; Mar. 2.
Sparks-Withington Company, The. (See Johnson, L. E., Billig, and Hardick, assignors.)
Sparks-Withington Company, The. (See Patch, Wallace B., assignor.)
Special Equipment Company. (See Ewald, Mark, assignor.)
Spencer, Thomas A., Belleville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching system. 2,072,434; Mar. 2.
Spicer Manufacturing Corporation. (See Lewis, Robert P., assignor.)
Stack, Emmet G., Marshfield, Oreg. Flexible coupling. 2,072,843; Mar. 2.
Stacy, Thomas F., assignor to The French Oil Mill Machinery Co., Piqua, Ohio. Press system. 2,072,141; Mar. 2.
Stacy, Thomas F., assignor to The French Oil Mill Machinery Co., Piqua, Ohio. Press system. 2,072,488; Mar. 2.
Stagmeier, Arthur F., Montclair, N. J., assignor, by mesne assignments, to Tape-O-Matic Machine Company, New York, N. Y., Machine for packing merchandise in bags. 2,072,654; Mar. 2.
Staley, A. E. Manufacturing Company. (See Greenfield, R. E., and Baker, assignors.)
Standard Oil Company. (See Robinson, Jack, assignor.)
Standard Oil Development Company. (See Fulton, S. C., and Mikeska, assignors.)
Standard Oil Development Company. (See Mikeska, L. A., and Fulton, assignors.)
Standard Stoker Company, The. (See MacKenzie, Joseph B., assignor.)
Stanley Works, The. (See Volz, Frederick A., assignor.)
Stark, Rawson E., Carnegie, Pa., assignor to The Hobart Manufacturing Company, Troy, Ohio. Aerating apparatus. 2,072,691; Mar. 2.
Staude, Edwin G., Minneapolis, Minn. Stacking mechanism for paper box machines and the like. 2,072,318; Mar. 2.
Stayton, Daniel L., Los Angeles, Calif. Extension switch. 2,072,389; Mar. 2.
Steam Motors Inc. (See Crosby, George A., assignor.)
Stein, Otto. (See Bruson, H. A., and Stein.)
Stickel, Carl A., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,072,187; Mar. 2.
Stitt, Henry J., assignor to H. F. Eldridge, Inc., New York, N. Y. Game. 2,072,723; Mar. 2.
Stokke, Harold, assignor to Peerless Chain Company, Winona, Minn. Buckle for wheel traction devices. 2,072,533; Mar. 2.
Stone, Randolph. (See Ehrig, H. R., and Stone.)
Stout, Edward E. (See Weydell, Jarl M., assignor.)
Straumann, Reinhard, Waldenburg, Canton of Baleı Campagne, Switzerland. Spring of nickel iron alloy. 2,072,489; Mar. 2.
Straus, Harry H. (See Heygel, Paul R., assignor.)
Strebler, George L., St. Louis, Mo., assignor to Eagle Foundry Company. Refrigerator. 2,072,347; Mar. 2.
Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Mote board and cleaner for gins. 2,072,319; Mar. 2.
Stricker, Paul, Monthey, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Material for combating pests. 2,072,226; Mar. 2.
Sullivan, Pike H., New Rochelle, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Conversion of hydrocarbons. 2,072,805; Mar. 2.
Superheater Company, The. (See Caracristi, Virginius Z., assignor.)
Superheater Company, The. (See Hard, Malcolm, assignor.)
Superheater Company, The. (See McKee, Neal T., assignor.)
Susor, Albert W., Toledo, Ohio. Window regulator. 2,072,571; Mar. 2.
Svensson, Sjune, Hissmofors, Sweden. Digesting cellulose. 2,072,776; Mar. 2.
Swartwout Company, The. (See McDerment, James H., assignor.)
Swenson Evaporator Company. (See Grant, Howard D., assignor.)
Takahashi, William H., Wahiawa, Hawaii. Cutlery. 2,072,777; Mar. 2.
Tallaferro, Edward E., Jackson, Tenn. Clock. 2,072,609; Mar. 2.
Tape-O-Matic Machine Company. (See Stagmeier, Arthur F., assignor.)
Tarbox, John P., assignor to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,072,412; Mar. 2.

Tauber, Louis, Jamaica, N. Y. Saddle pad. 2,072,188; Mar. 2.

Taylor, Edmund R., Mount Vernon, N. Y., and D. Mitchell, Bound Brook, N. J., assignors to American Telephone and Telegraph Company. Signaling system for voice and telegraph operation. 2,072,227; Mar. 2.

Taylor, James W., San Antonio, Tex. Flow valve. 2,072,435; Mar. 2.

Technicolor, Inc. (See Ball, J. A., and Rackett, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Jobst, Günther, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Jobst, G., and Prinz, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, F., and Michelssen, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Von Bronk, Otto, assignor.)

Temple, George W., New York, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Mandrel registering mechanism for enameling machines. 2,072,840; Mar. 2.

Ternstedt Manufacturing Company. (See Simpson, Emory G., assignor.)

Terry, Ernest M., Harrison, N. Y. Duplicating machine and method. 2,072,534; Mar. 2.

Texas Company, The. (See Mace, Donald H., assignor.)

Texas Company, The. (See Puryear, Oney P., assignor.)

Thomas, Charles E., Santa Barbara, Calif. Bit guide. 2,072,320; Mar. 2.

Thomas, Donald L., New York, N. Y., assignor, by mesne assignments, to Gasoline Products Company, Inc., Newark, N. J. Method of and radiant heat stills for distilling hydrocarbon oils. 2,072,535; Mar. 2.

Thompson, Walter N., La Habra, assignor of one-half to J. C. Wright, Huntington Park, Calif. Drilling tool. 2,072,470; Mar. 2.

Thomson, John L., East Chicago, Ill. Automobile spring arrangement. 2,072,778; Mar. 2.

Tjaarda, John, Birmingham, assignor to Briggs Manufacturing Company, Detroit, Mich. Instrument panel. 2,072,655; Mar. 2.

Toledo Scale Manufacturing Company. (See Reeves, Orwell C., assignor.)

Topham, Laurence E., Wenham, and C. L. Knott, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Last lathe. 2,072,228; Mar. 2.

Torbert, John E., Jr., National City, Calif. Testing and setting device for artificial horizon instruments. 2,072,779; Mar. 2.

Torrington Manufacturing Co., The. (See Upson, Walter L., assignor.)

Totzek, Friedrich, Essen-Stoppenberg, Germany, assignor, by mesne assignments, to Koppers Company. Coal distillation oven and the like. 2,072,321; Mar. 2.

Tracey, Joe E., Ponca City, Okla., and F. M. Phelps, Cincinnati, Ohio, assignors to Continental Oil Company, Ponca City, Okla. Display device. 2,072,841; Mar. 2.

Translever Spring Corporation, The. (See Cooke, Frank V., assignor.)

Trautvetter, George, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle roof structure. 2,072,842; Mar. 2.

Trautvetter, Henry T. (See Keen, A. W., and Trautvetter.)

Tretolite Company. (See De Groote, M., and Keiser, assignors.)

Trickey, John P., and J. R. Price, Dayton, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Closure. 2,072,536; Mar. 2.

Trumpler, William E., Easton, Pa., and R. C. Burns, Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Pressure fluid actuated spinning motor. 2,072,656; Mar. 2.

Turner, Fred L., San Benito, Tex. Ventilating apparatus. 2,072,780; Mar. 2.

Turner, Joseph F. (See Pilkington, E. L., and Turner.)

Tyler, W. S., Company, The. (See Wettlaufer, William L., assignor.)

USL Battery Corporation. (See Eurich, Joe E. G., assignor.)

Ubben, Richard T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resins. 2,072,142; Mar. 2.

Ubben, Richard T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resins and compositions containing the same. 2,072,143; Mar. 2.

Ullstrand, Hugo M., Evansville, Ind., and H. K. Bergholm, Larchmont, N. Y., assignors, by mesne assignments, to Servel, Inc., Dover, Del. Absorption refrigerating system. 2,072,144; Mar. 2.

Union Carbide and Carbon Corporation. (See Obert, Casin W., assignor.)

Union Carbide and Carbon Corporation. (See Trickey, J. P., and Price, assignors.)

Union Carbide and Carbon Corpofation. (See Young, Lloyd W., assignor.)

United Chromium, Incorporated. (See Herzog, George K., assignor.)

United Shoe Machinery Corporation. (See Barclay, William R., assignor.)

United Shoe Machinery Corporation. (See Bennion, Leslie H., assignor.)

United Shoe Machinery Corporation. (See MacDonald, Clifford K., assignor.)

United Shoe Machinery Corporation. (See Pratt, J. W., and Lane, assignors.)

United Shoe Machinery Corporation. (See Pym, Charles F.)

United Shoe Machinery Corporation. (See Ricks, F., and Hope, assignors.)

United Shoe Machinery Corporation. (See Ross, Simon G., assignor.)

United Shoe Machinery Corporation. (See Topham, L. E., and Knott, assignors.)

U. S. Bottlers Machinery Co. (See Risser, Arthur L., assignor.)

United States Envelope Company. (See Novick, Abraham, assignor.)

United States Ordnance Company. (See Smith, George L., assignor.)

United States Rubber Products, Inc. (See Keen, A. W., and Trautvetter, assignors.)

Universal Oil Products Company. (See Nelson, Edwin F., assignor.)

Upjohn Company, The. (See Gustus, Edwin L., assignor.)

Upper, Frederick A. (See Wooddell, C. E., Upper, and Nelson.)

Upson, Walter L., University City, Mo., assignor to The Torrington Manufacturing Co., Torrington, Conn. Fluid reaction apparatus. 2,072,322; Mar. 2.

Utah Radio Products Company. (See Barrett, E. L., and Manahan, assignors.)

Utility Packages, Inc. (See Daller, Adrian O., assignor.)

Valle, Saverio D., Brooklyn, N. Y. Memorial candle. 2,072,692; Mar. 2.

Van Ackeren, Paul, Essen-Ruhr, Germany, assignor, by mesne assignments, to Koppers Company. Coke oven door. 2,072,537; Mar. 2.

Vanak Corporation. (See Knee, Aaron A., assignor.)

Van Hartingsvelt, Hendrik, Bussum, Netherlands. Apparatus for taking photographs of the upper and lower jaws. 2,072,390; Mar. 2.

Vanheerswynghels, Joseph L. A., Brussels, Belgium. Impulse transmitting device. 2,072,572; Mar. 2.

Van Stone, Robert, et al. (See Hill, Joseph M., assignor.)

Van Urk, Arend T., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Device for recording and reproducing acoustic vibrations. 2,072,610; Mar. 2.

Varley, Richard, New York, N. Y., assignor to Inter-Outer Telephone Corporation, Dover, Del. Dial telephone indicator. 2,072,657; Mar. 2.

Varney, Thomas T., Jr., Broken Bow, Nebr. Combined lifting and coupling tool. 2,072,391; Mar. 2.

Vaughn, Cory R. (See Welker, M. M., and Vaughn.)

Victor Metal Products Corporation. (See Temple, George W., assignor.)

Vigliotti, Vincent, Great Neck, N. Y. Golf flag. 2,072,573; Mar. 2.

Voelkel, John F., et al., executors. (See Bommer, Emil.)

Volkert, George R., assignor of one-half to Automotive Products Company Limited, London, England. Hydraulic control apparatus. 2,072,693; Mar. 2.

Vollenbroek, Johannes B. L., and A. Horowitz, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Tuning indicator. 2,072,189; Mar. 2.

Volz, Frederick A., assignor to The Stanley Works, New Britain, Conn. Collable measuring rule. 2,072,538; Mar. 2.

Von Bronk, Otto, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Receiver arrangement for electric picture transmission. 2,072,658; Mar. 2.

Von Kories, Otto, Los Angeles, Calif. Cycle power unit. 2,072,611; Mar. 2.

Von Pein, Edward J., Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y., Scale. 2,072,436; Mar. 2.

Voorhees, Harris W., Morrisville, Pa., assignor to John A. Roebling's Sons Company, Trenton, N. J. Machine for making spiral windings. 2,072,284; Mar. 2.

Voss, Walter K., Davenport, Iowa. Agitator. 2,072,190; Mar. 2.

Vulcan Soot Blower Corporation. (See Hibner, De Los E., Jr., assignor.)

Wagner, Albert N., Evanston, Ill. Coin wrapping device. 2,072,191; Mar. 2.

Waitman, Louie, Detroit, Mich. Tinning method and composition therefor. 2,072,229; Mar. 2.

Walker, Harry M., New Orleans, La. Throttle controlling attachment for motor cars. 2,072,285; Mar. 2.

Walker-Turner Company. (See Ocenasek, William F., assignor.)

Walsh, John E., assignor to Self-Locking Carton Co., Chicago, Ill. Method and apparatus for setting up celluiar cartons. 2,072,659; Mar. 2.

Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Covering in ment products. 2,072,660; Mar. 2.

Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Belly press. 2,072,694; Mar. 2.

Walters, William V. (See Roco, A. L., and Walters.)

Walther, George, near Dayton, and E. L. Miller, assignors to The Dayton Steel Foundry Company, Dayton, Ohio. Fifth wheel. 2,072,661; Mar. 2.

Ward, Kyle, Jr., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated trialkyl amines and producing. 2,072,348; Mar. 2.

Warwick Chemical Co. (See Chamberlin, Dale S., assignor.)

Watkins, Donald J., J. H. Abbink-Spaink, and D. C. Plyer, assignors to Sir W. G. Armstrong Whitworth & Co. (Engineers) Ltd., Newcastle-upon-tyne, England. Prime-mover-electric traction system. 2,072,781; Mar. 2.

Wayne, Herbert N., Santa Monica, Calif. Mold and molding. 2,072,349; Mar. 2.

Weisbaum Bros. Brower Company, The. (See Weisbaum, Jack, assignor.)

Weisbaum, Jack, assignor to The Weisbaum Bros. Brower Company, Cincinnati, Ohio. Necktie. 2,072,724; Mar. 2.

Weiss, Leo, assignor of one-twentieth to N. D. Q. Specialty Corporation, Brooklyn, N. Y. Method and apparatus for making wire frames for candle holders. 2,072,250; Mar. 2.

Welker, Mordecai M., Canfield, and C. R. Vaughn, Youngstown, assignors to General Dry Batteries, Inc., Cleveland, Ohio. Carbonating apparatus. 2,072,350; Mar. 2.

Wellington, Barrett R., Troy, N. Y. Projecting device. 2,072,286; Mar. 2.

Wellman, Charles P., West Medford, Mass. Merchandising container. 2,072,695; Mar. 2.

Wells, Jackson B., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Making sheeting. 2,072,145; Mar. 2.

Wendt, Herman D., West Chester, assignor to Milk Processes, Inc., Philadelphia, Pa. Treating sour milk products. 2,072,192; Mar. 2.

Wentz, William M., Milwaukee, Wis. Dyeing machine. 2,072,323; Mar. 2.

Werner, Wilhelm. (See Wolff, Paul, and Werner.)

Wesson, Alexander J. (See Ellis, G. H., and Wesson.)

West, Brennan B., Cleveland, Ohio. Shoe calk. 2,072,351; Mar. 2.

West, Ernest. (See West, Frederick J. and E.)

West, Frederick J. and E., assignors to West's Gas Improvement Company Limited, Manchester, England. Vertical retort for the carbonization of coal and the like. 2,072,392; Mar. 2.

Westendorp, Mary A., executrix. (See Andrews, Mary R.)

Western Cartridge Company. (See Foster, H. C., and Leroy, assignors.)

Western Electric Company. (See Hallam, Cecil A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Forsthoefel, Gregg F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)

West's Gas Improvement Company Limited. (See West, Frederick J. and E., assignors.)

Wettlaufer, William L., Buffalo, N. Y., assignor to The W. S. Tyler Company, Cleveland, Ohio. Shaking screen. 2,072,725; Mar. 2.

Weydell, Jarl M., assignor of one-half to E. E. Stout, Indianapolis, Ind. Clutch. 2,072,832; Mar. 2.

Whaley, William E., Louisville, Ky. Advertising sign holder. 2,072,490; Mar. 2.

Whaley, William E., Louisville, Ky. Advertising sign holder. 2,072,491; Mar. 2.

Wheelbarger, Albert S., and G. H. Darst, Dayton, assignors, by mesne assignments, to Central United National Bank, Cleveland, Ohio, trustee. Register. 2,072,413; Mar. 2.

Wheler, Arthur G., Syracuse, N. Y. Furnace grate. 2,072,512; Mar. 2.

Whitaker, Uncas A., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,072,696; Mar. 2.

Whitbread, James B., assignor to Cliocon Corporation, Detroit, Mich. Nipple piercing machine. 2,072,782; Mar. 2.

Whitehead, William. (See Dreyfus, C., and Whitehead.)

Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Artificial textile material. 2,072,231; Mar. 2.

Whitman, Bradley. (See Schwenk, E., and Whitman.)

Whitworth, Sir W. G. Armstrong & Co. (Engineers) Ltd. (See Watkins, D. J., Abbink-Spaink, and Plyer, assignors.)

Wierzbicki, Felix, assignor to Eagle Pencil Company, New York, N. Y. Display device. 2,072,193; Mar. 2.

Wile, Daniel D., assignor to Detroit Lubricator Company, Detroit, Mich. Refrigerating apparatus. 2,072,414; Mar. 2.

Willing, Joseph E., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 2,072,232; Mar. 2.

Wilmsen, Bernard. (See Kranz, P., and Schmid, assignors.)

Wilson, Harold F., Erie, Pa., assignor to General Electric Company. Electromagnetic device. 2,072,783; Mar. 2.

Wilson, James R. (See Acker, J. T., and Wilson.)

Wilson, Oscar B. (See Correll, Henry N., assignor.)

Wilson, Wesley, Chicago, Ill. Disconnecter. 2,072,233; Mar. 2.

Wingo, Adgor C., Los Angeles, Calif., assignor to General Electric Company. Voltage regulation. 2,072,784; Mar. 2.

Winter, Martin, New York, and V. D'Amato, Corona, N. Y., said D'Amato assignor to said Winter. Carburetor. 2,072,147; Mar. 2.

Winthrop Chemical Company. (See Moosdorf, W., and Wolski, assignors.)

Witkowski, Stefan, Geneva, Switzerland. Internal combustion engine. 2,072,574; Mar. 2.

Wochinger, Eduard, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone metering system. 2,072,234; Mar. 2.

Wolcott, Frank E., West Hartford, Conn. Strainer for beverage dispensing devices. 2,072,324; Mar. 2.

Wolff, Paul, and W. Werner, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Acid triphenylmethane dyestuffs. 2,072,539; Mar. 2.

Wolford, Walter L., Oakland, Calif. Binder for receipts and the like. 2,072,471; Mar. 2.

Wolski, Paul. (See Moosdorf, W., and Wolski.)

Wood, Dennistoun, Jr., Palo Alto, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of primary from secondary alcohols. 2,072,806; Mar. 2.

Woodall Industries Incorporated. (See Randall, Meredith S., assignor.)

Woodcock, Augusta A., executrix. (See Woodcock, Willard J.)

Woodcock, Willard J., deceased, by A. A. Woodcock, executrix, assignor to A. A. Woodcock, Brooklyn, N. Y. Duplex valve applied to a single cylinder. 2,072,325; Mar. 2.

Wooddell, Charles E., F. A. Upper, and C. S. Nelson, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and manufacturing the same. 2,072,146; Mar. 2.

Woodward, Willoughby, New York, N. Y. Multiple headlight for vehicles. 2,072,697; Mar. 2.

Wormser, Arthur, Offenbach, near Frankfort-on-the-Main, Germany. Method of and means for detecting misfed sheets. 2,072,235; Mar. 2.

Wormser, Arthur, Offenbach, near Frankfort-on-the-Main, Germany. Sheet detector. 2,072,236; Mar. 2.

Worthington Pump and Machinery Corporation. (See Schorle, Herman J., assignor.)

Wright, Jesse C. (See Thompson, Walter N., assignor.)

Wright, Kenneth V. (See Collins, D. J., and Wright.)

Wright, Leigh W., Norwood, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine transmission and control mechanism. 2,072,540; Mar. 2.

Wright, Sumner B., South Orange, N. J., assignor to American Telephone and Telegraph Company. Telephone transmission circuit. 2,072,287; Mar. 2.

Wulff, Herman A., St. Paul, Minn. Footwear. 2,072,785; Mar. 2.

Wurtele, Allan R., New Roads, La. Internal combustion engine. 2,072,437; Mar. 2.

Wydeen, August F., Minneapolis, Minn. Belt lacing. 2,072,148; Mar. 2.

Wyland, Ruth, New York, N. Y. Safety garter purse. 2,072,352; Mar. 2.

Wyler, Max, and A. Kershaw, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of aromatic carboxylic derivatives. 2,072,237; Mar. 2.

Wyler, Max, and A. Kershaw, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of naphthalene derivatives. 2,072,238; Mar. 2.

Yager, Joseph S., Greenville, Miss. Wild goose and duck call. 2,072,786; Mar. 2.

Yartyan, Minas, New York, N. Y. Latch. 2,072,726; Mar. 2.

Young, Frederick W. (See Lemmon, W. S., Rose, and Young.)

Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,072,149; Mar. 2.

Young, L. A., Spring and Wire Corporation. (See Clark, William A., assignor.)

Young, Lloyd W., Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Blowpipe. 2,072,626; Mar. 2.

Youngstown Steel Door Company, The. (See Madland, Gabriel, assignor.)

Zeindler, Werner, assignor to Service Caster & Truck Company, Albion, Mich. Truck and trailer coupling. 2,072,239; Mar. 2.

Zerweck, Werner, and M. Schubert, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water insoluble azodyestuffs. 2,072,288; Mar. 2.

Zigler, Charley J., deceased, M. K. Zigler, administrator, assignor to Radio Corporation of America, New York, N. Y. Radio circuit actuating device. 2,072,246; Mar. 2.

Zigler, Millard K., administrator. (See Zigler, Charley J.)

Zublin, John A., Los Angeles, Calif. Method and apparatus for increasing fluid movement around oil well tools. 2,072,627; Mar. 2.

Zulauf, Frederick H. (See Hengesbach, L. J., and Fox, assignors.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Shoes, Making. C. Miller and A. Leone. 20,280; Mar. 2.

LIST OF DESIGN INVENTIONS

Advertising device, Illuminated. J. Frei, Jr. 103,394; Mar. 2.
Ashtray. T. M. House. 103,429; Mar. 2.
Bag, Twine. L. Schwarz. 103,409; Mar. 2.
Basket or similar container, Waste. M. H. Connor. 103,422; Mar. 2.
Bathtub. J. A. Callahan. 103,481–2; Mar. 2.
Battery case, Storage. W. L. Reinhardt. 103,444; Mar. 2.
Blouse. I. Geist. 103,449; Mar. 2.
Bottle. E. W. Fuerst. 103,426; Mar. 2.
Box, Bread. M. H. Connor. 103,391; Mar. 2.
Braid or similar article. H. Mehler. 103,431; Mar. 2.
Cabinet, Radio. J. Price. 103,443; Mar. 2.
Cabinet, Wall. J. R. Morgan. 103,405; Mar. 2.
Case, Display. F. J. Petzke. 103,407; Mar. 2.
Casing for polishing machines. N. N. Okun. 103,465; Mar. 2.
Casing for pyrophoric lighters. H. Silberknopf. 103,435; Mar. 2.
Caster. W. F. Herold. 103,451; Mar. 2.
Chair, Garden. H. R. Reischmann. 103,408; Mar. 2.
Cleaner, Vacuum. C. A. Brock. 103,420; Mar. 2.
Closure, Container. M. H. Connor. 103,389; Mar. 2.
Coaster, Wheeled. F. G. Birkhead. 103,419; Mar. 2.
Container. E. W. Amend. 103,446; Mar. 2.
Container, Insect poison. J. B. Rosefield. 103,434; Mar. 2.
Container, Lead. I. Chesler. 103,387; Mar. 2.
Dispensing device, Coin operated. A. M. Walzer. 103,418; Mar. 2.
Dress. T. Coleman. 103,447; Mar. 2.
Dress. D. Kell. 103,457; Mar. 2.
Dress. I. Kranz. 103,458; Mar. 2.
Dress. M. Mullen. 103,461–4; Mar. 2.
Dress. A. Ruchman. 103,467–72; Mar. 2.
Dress. P. Wenett. 103,477; Mar. 2.
Dress. P. Zahn. 103,480; Mar. 2.
Dress, Ensemble. L. Gredinger. 103,450; Mar. 2.
Dress, Ensemble. P. Schlessel. 103,473; Mar. 2.
Dress, Ensemble. P. Wenett. 103,478; Mar. 2.
Drinking vessel. L. A. Leppke. 103,430; Mar. 2.
Fabric, Curtain. I. Strauss. 103,474–5; Mar. 2.
Fabric, Textile. O. J. Cahn. 103,421; Mar. 2.
Fabric, Textile. C. E. Forstmann. 103,423–4; Mar. 2.
Fan, Desk. V. Weber. 103,476; Mar. 2.
Glove. F. J. Kaufmann. 103,456; Mar. 2.
Heater casing or the like, Vehicle. C. E. Meyerhoefer. 103,440–2; Mar. 2.
Hose or similar article, Lady's. P. Gerton. 103,427; Mar. 2.
Illuminating fixture. E. F. Guth. 103,428; Mar. 2.
Lamp. J. H. Horsley. 103,452; Mar. 2.
Lamp and radio receiving set, Combined. D. J. Crowley. 103,438; Mar. 2.
Lamp and radio receiving set, Combined. D. J. Crowley. 103,448; Mar. 2.
Lamp or similar accessory for vehicles. C. E. Meyerhoefer. 103,432; Mar. 2.
Lamp, Vehicle. L. M. Wiley. 103,479; Mar. 2.
Machine with shiftable carriage, Calculating. C. M. F. Friden. 103,425; Mar. 2.
Mirror or similar article, Hand. M. H. Storch. 103,415; Mar. 2.
Mounting, Ophthalmic. J. C. Wells. 103,437; Mar. 2.
Pan or the like, Dust. G. M. Jackson. 103,453; Mar. 2.
Pencil, Lead. I. Chesler. 103,386; Mar. 2.
Pencil or similar article. A. Ianelli. 103,402–3; Mar. 2.
Piano, Upright. H. R. Heller. 103,400–1; Mar. 2.
Pin or similar article, Brooch. M. Boucher. 103,385; Mar. 2.
Print device for dairy products. C. Doering. 103,393; Mar. 2.
Radiator ornament, Automobile. W. S. Scroggs. 103,445; Mar. 2.
Shield or the like, Combination spout and cover. N. R. Liddle. 103,404; Mar. 2.
Shoe or similar article. I. E. Grossmann. 103,395–9; Mar 2.
Shoe or similar article. L. Sholtz. 103,410–3; Mar. 2.
Slicer, Potato. S. Bloomfield. 103,384; Mar. 2.
Socket, Electric. F. R. Reutter. 103,466; Mar. 2.
Sofa or similar article. N. Tyrrell. 103,416–7; Mar. 2.
Store. G. W. Clapp. 103,388; Mar. 2.
Strainer. M. H. Connor. 103,390; Mar. 2.
Switchboard casing. V. I. Cruser. 103,439; Mar. 2.
Tablecloth or similar article. F. Tausend. 103,436; Mar. 2.
Thermostat case or similar article. W. A. Ray. 103,433; Mar. 2.
Tray. M. H. Connor. 103,392; Mar. 2.
Trimmer or similar article, Pinking. V. J. Sigoda. 103,414; Mar. 2.
Typewriter and stand, Combined automatic. O. Kuhler. 103,459; Mar. 2.
Vehicle body. N. P. Larsen. 103,460; Mar. 2.
Watchcase. B. S. Katz. 103,454–5; Mar. 2.
Wringer head or similar article. J. L. Perkins. 103,406; Mar. 2.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading tool. W. R. Barclay. 2,072,130; Mar. 2.
Abrading tool. F. Ricks and E. Hope. 2,072,129; Mar. 2.
Abrasive article and manufacturing the same. C. E. Wooddell, F. A. Upper, and C. S. Nelson. 2,072,146; Mar. 2.
Abrasive article and manufacturing the same, Bonded. O. L. Mahlman and R. C. Benner. 2,072,507; Mar. 2.
Accounting machine. C. L. Hayes. 2,072,449; Mar. 2.
Accounting machine. J. R. Peirce. 2,072,429; Mar. 2.
Acid and producing the same, Rosin. E. A. Brennan and S. E. Cairncross. 2,072,628; Mar. 2.
Acoustic vibrations, Device for recording and reproducing. A. T. van Urk. 2,072,610; Mar. 2.
Adhesive, Thermoplastic. R. M. Freydberg. 2,072,631; Mar. 2.
Aerating and fertilizing mechanism. W. R. Hanna. 2,072,331; Mar. 2.
Aerating apparatus. R. E. Stark. 2,072,691; Mar. 2.
Aeroplane. C. N. Pogue. 2,072,277; Mar. 2.
Agitator. W. K. Voss. 2,072,190; Mar. 2.
Air bag. S. W. Lippitt. 2,072,459; Mar. 2.
Air cleaner. F. A. Donaldson. 2,072,548; Mar. 2.
Air conditioning system. W. Goodman. 2,072,166; Mar. 2.
Air conditioning system. J. H. O'Brien. 2,072,427; Mar. 2.
Aircraft, System for landing. E. Kramar. 2,072,267; Mar. 2.
Air heater. J. H. Rohrer. 2,072,466; Mar. 2.
Airplane having a variable lifting surface. J. Gerin. 2,072,299; Mar. 2.
Alarm. N. M. Levy. 2,072,523; Mar. 2.
Alcohol articles and making same, Polymerized vinyl. W. O. Herrmann, E. Baum, and W. Haehnel. 2,072,302; Mar. 2.
Alcohols, Separation of primary from secondary. D. Wood, Jr. 2,072,806; Mar. 2.
Alloy for points of gold nibs, Tungsten-base. A. Jedele. 2,072,368; Mar. 2.
Alloy, Tungsten-base. A. Jedelé. 2,072,676; Mar. 2.
Alloys, Nickel base. J. T. Acker and J. R. Wilson. 2,072,575–6; Mar. 2.
Amines and producing, Chlorinated trialkyl. K. Ward, Jr. 2,072,348; Mar. 2.
Amines, Production of. M. A. Dahlen and W. L. Foohey. 2,072,618; Mar. 2.
Ammunition and propellant charge therefor. W. B. Foulke. 2,072,671; Mar. 2.
Amplification control. N. P. Case. 2,072,708; Mar. 2.
Amplification control system. D. Grimes. 2,072,365; Mar. 2.
Anchor, Cord wire. A. C. Brown. 2,072,579; Mar. 2.
Anticlog means for check controlled apparatus. A. A. Knee. 2,072,505; Mar. 2.
Antifriction bearing. T. C. Delaval-Crow. 2,072,515; Mar. 2.
Apparatus for charging receptacles. C. A. Hallam. 2,072,836; Mar. 2.
Apparatus for producing water gas. H. J. Carson. 2,072,357; Mar. 2.
Armature for relays. C. B. Barnett. 2,072,616; Mar. 2.
Article transferring mechanism. C. S. Riley. 2,072,826; Mar. 2.
Articles, Feeding. J. Peyser. 2,072,275; Mar. 2.
Audio frequency amplification. A. D. Lassiter. 2,072,114; Mar. 2.
Auxiliary seat. F. M. Carpenter. 2,072,513; Mar. 2.
Azodyestuffs, Water insoluble. W. Zerweck and M. Schubert. 2,072,288; Mar. 2.
Bag: *See*—
Air bag.
Bactericidal filament, Producing dull-luster. R. S. Bley. 2,072,808; Mar. 2.
Band, Fabric. C. J. Busch and O. E. Huber. 2,072,542; Mar. 2.
Band, Metal cigar. H. F. Scheetz, Jr. 2,072,221; Mar. 2.
Bast from bast plants, Removing. A. E. Dodd. 2,072,734; Mar. 2.
Bearing: *See*—
Antifriction bearing. Scale bearing.
Journal bearing.
Bed reading lamp. A. A. Barbera. 2,072,472; Mar. 2.
Beet digging and topping machine. J. Sisho. 2,072,186; Mar. 2.
Belly press. C. T. Walter. 2,072,694; Mar. 2.
Belt lacing. A. F. Wydeen. 2,072,148; Mar. 2.
Binder. W. W. Bowen. 2,072,494; Mar. 2.
Binder, Chain post loose leaf. J. C. Dawson. 2,072,547; Mar. 2.
Binder for receipts and the like. W. L. Wolford. 2,072,471; Mar. 2.
Binder, Loose leaf. J. C. Dawson. 2,072,546; Mar. 2.
Binding, Ski. D. H. Dodd. 2,072,477; Mar. 2.
Bit glude. C. E. Thomas. 2,072,320; Mar. 2.
Bleaching process. D. J. Campbell and Le R. P. London. 2,072,665; Mar. 2.
Blind, Venetian. J. Nisenson. 2,072,464; Mar. 2.
Blowpipe. L. W. Young. 2,072,626; Mar. 2.
Board: *See*—
Distribution panel board. Terminal board.
Running board.
Board and cleaner for gins, Mote. J. A. Streun. 2,072,319; Mar. 2.
Boiler. O. H. Hartmann. 2,072,675; Mar. 2.
Bottle capping machine. W. R. Cuthbert and P. Mundell. 2,072,245; Mar. 2.
Bottle cover, Hot water. W. H. May. 2,072,564; Mar. 2.
Bottle, Detectable refilled and premium. P. E. Oliver. 2,072,126; Mar. 2.
Bottle filling and capping machine. J. A. Lilley. 2,072,759; Mar. 2.
Bottle lock. L. P. Barlow. 2,072,701; Mar. 2.
Box: *See*—
Folding box. Tobacco box.
Box in which to grow plants, Collapsible flower. V. S. Dodson. 2,072,395; Mar. 2.
Boxes, Method and apparatus for making. G. R. Kreider, Jr. 2,072,678; Mar. 2.
Bracket: *See*—
Spring and spindle bracket.
Brake control, Accelerator. W. D. Cartwright. 2,072,666; Mar. 2.
Brake mechanism. R. G. Jones and R. E. Johns. 2,072,755; Mar. 2.
Brake mechanism. J. P. Tarbox. 2,072,412; Mar. 2.
Bread and bakery products, Cooling. M. H. Duval. 2,072,737; Mar. 2.
Bread butterer. B. H. Bedford. 2,072,663; Mar. 2.
Breech mechanism. G. L. Smith. 2,072,608; Mar. 2.
Broaching machine, Automatic multiple. J. E. Lynch, H. L. Pope, and A. H. Hawley. 2,072,563; Mar. 2.
Brooch assemblage. M. Boucher. 2,072,080; Mar. 2.
Brush implement. P. Mednick. 2,072,175; Mar. 2.
Brush, Shaving. F. H. Fitch. 2,072,620; Mar. 2.
Buckle for wheel traction devices. H. Stokke. 2,072,533; Mar. 2.
Building construction. J. S. Raynor. 2,072,684; Mar. 2.
Burner: *See*—
Oil burner.
Burner. J. E. Greenawalt. 2,072,587; Mar. 2.
Button, Novelty. H. W. Richardson. 2,072,218; Mar. 2.
Cabinet, Knock down. G. Rottman. 2,072,383; Mar. 2.
Cable, Communication. E. Fischer. 2,072,712; Mar. 2.
Café royale making device. L. M. Scofield. 2,072,489; Mar. 2.
Calk, Shoe. B. B. West. 2,072,351; Mar. 2.
Camera, Cinematographic. J. A. Ball and G. F. Rackett. 2,072,091; Mar. 2.
Can top catcher for can openers, Automatic. F. F. Hosmer. 2,072,333; Mar. 2.
Canals in glassware, Forming. C. G. Anastor. 2,072,194; Mar. 2.
Candle, Memorial. S. D. Valle. 2,072,692; Mar. 2.
Cap, Bathing. W. K. Naundorf. 2,072,483; Mar. 2.
Car and truck holder. J. J. McCoy. 2,072,764; Mar. 2.
Car, Load discharging. A. Campbell. 2,072,292; Mar. 2.
Carbonating apparatus. M. M. Welker and C. R. Vaughn. 2,072,350; Mar. 2.
Carboxylic derivatives, Manufacture of aromatic. M. Wyler and A. Kershaw. 2,072,237; Mar. 2.
Carburetor. M. Winter and V. D'Amato. 2,072,147; Mar. 2.
Carrier system. C. H. Freese. 2,072,747; Mar. 2.
Carton. H. L. Greve. 2,072,256; Mar. 2.
Cartons, Method and apparatus for setting up cellular. J. E. Walsh. 2,072,659; Mar. 2.
Case: *See*—
Thermometer case.
Cathartic. C. L. Lentz. 2,072,589; Mar. 2.
Cell encasing apparatus, Dry. O. K. Reinhardt. 2,072,568; Mar. 2.
Cellulose derivatives, Manufacture of. H. Dreyfus. 2,072,249; Mar. 2.
Cellulose, Esterification of. C. I. Haney. 2,072,261; Mar. 2.
Cellulose, Process in digesting. S. Svensson. 2,072,776; Mar. 2.

Cellulose xanthate, Stabilizing. H. B. Dykstra. 2,072,738; Mar. 2.
Cellulosic material, Purification of. F. H. Snyder. 2,072,487; Mar. 2.
Cement grout mixing and distributing machine. G. W. Grayson. 2,072,301; Mar. 2.
Centrifugal machine. E. Morrison. 2,072,377; Mar. 2.
Check testing apparatus. A. A. Knee. 2,072,504; Mar. 2.
Chemical products and preparing the same. G. W. Rigby. 2,072,771; Mar. 2.
Chemical stabilization of cellulose esters. C. I. Haney. 2,072,260; Mar. 2.
Cigarette paper bookmaking machine. P. R. Heygel. 2,072,815; Mar. 2.
Cigarettes, Device for flavoring. H. R. Ehrig and R. Stone. 2,072,361; Mar. 2.
Circuit actuating device, Radio. C. J. Zigler. 2,072,240; Mar. 2.
Circuit controlling means. W. H. Frank and J. Messing. 2,072,163; Mar. 2.
Circuit for negative glow devices. A. F. Henninger, Jr. 2,072,622; Mar. 2.
Circuit, Safety lighting. R. A. Kamm. 2,072,337; Mar. 2.
Circuit, Telephone transmission. S. Wright. 2,072,287; Mar. 2.
Circuit, Voltage multiplier. O. H. Schade. 2,072,278; Mar. 2.
Citrate of lime from citrus fruits, Manufacture of. A. Ricevuto and A. H. Bennett. 2,072,530; Mar. 2.
Clamp: *See*—
Wire cable end clamp.
Cleaner: *See*—
Air cleaner. Suction cleaner.
Clock. J. W. Childs. 2,072,795; Mar. 2.
Clock. E. E. Taliaferro. 2,072,609; Mar. 2.
Closure. J. P. Trickey and J. R. Price. 2,072,536; Mar. 2.
Closure and fastener therefor, Folding box. B. Kaplan. 2,072,371; Mar. 2.
Closure for containers of the mixing and shaker type. M. B. Solomon. 2,072,432; Mar. 2.
Closure for ice-making tubes. M. J. Brown. 2,072,518; Mar. 2.
Closure for refuse containers. B. F. Bower. 2,072,706; Mar. 2.
Closure-support, Automatic. F. M. Kirkpatrick. 2,072,520; Mar. 2.
Clutch. J. M. Weydell. 2,072,832; Mar. 2.
Clutch mechanism. R. P. Lewis. 2,072,116–17; Mar. 2.
Coating composition and drier therefor. E. E. Reid. 2,072,770; Mar. 2.
Coin collector. P. E. Mills. 2,072,462; Mar. 2.
Coin wrapping device. A. N. Wagner. 2,072,191; Mar. 2.
Colloidal mill. F. G. Crane. 2,072,710; Mar. 2.
Comb, Self-cleaning sanitary. L. Greenspan. 2,072,673; Mar. 2.
Composition of matter and making the same. T. Robinson. 2,072,686; Mar. 2.
Composition of matter and method of producing. I. W. Humphrey. 2,072,819; Mar. 2.
Compositions and processes for soaking silk and textile materials. D. S. Chamberlin. 2,072,155; Mar. 2.
Compressor. M. W. Kenney. 2,072,307; Mar. 2.
Compressor or pump. F. E. Myard. 2,072,482; Mar. 2.
Concrete laying machine. H. M. Hadley. 2,072,479; Mar. 2.
Concrete slab joint. C. L. Post. 2,072,381; Mar. 2.
Condensation product, Sulphonated. H. A. Bruson and O. Stein. 2,072,153; Mar. 2.
Condensation products from hydroxylated cyclic compounds and acetylene. W. Reppe and E. Keyssner. 2,072,825; Mar. 2.
Conductor, Flame resisting. A. P. Hinsky. 2,072,557; Mar. 2.
Contactor, Countercurrent. J. Robinson. 2,072,382; Mar. 2.
Container: *See*—
Garbage container. Specimen container.
Merchandising container.
Container. M. Frost. 2,072,672; Mar. 2.
Container. H. T. Kraft. 2,072,426; Mar. 2.
Container. H. T. Kraft. 2,072,802; Mar. 2.
Container. J. M. Young. 2,072,149; Mar. 2.
Container filling machine. A. I. Risser. 2,072,344; Mar. 2.
Containers, Discharging fluid pressure. S. E. Allen. 2,072,577; Mar. 2.
Control apparatus for target traps. H. C. Foster and L. Leroy. 2,072,746; Mar. 2.
Control apparatus, Hydraulic. G. R. Volkert. 2,072,693; Mar. 2.
Control for water lock feed for steam boilers, Automatic. W. D. Nore. 2,072,467; Mar. 2.
Control means for wringer drive mechanism. P. E. Geldhof. 2,072,632; Mar. 2.
Control mechanism, Speed responsive. H. S. Davis. 2,072,246; Mar. 2.
Conveyer. H. E. Lippert. 2,072,406; Mar. 2.
Cooler: *See*—
Liquid cooler.
Cordage, Safety. S. P. F. Sneed. 2,072,387; Mar. 2.
Counter molding machine. L. H. Bennion. 2,072,195; Mar. 2.
Coupler. W. J. Regan. 2,072,606; Mar. 2.
Coupling: *See*—
Truck and trailer coupling.
Coupling. A. Kuhns and C. F. Lautz. 2,072,561; Mar. 2.
Coupling device for carbonators. E. Fernholz. 2,072,629; Mar. 2.
Coupling system. W. Lyons. 2,072,679; Mar. 2.
Cover: *See*—
Bottle cover.
Cover for steam tables and the like. G. Parise. 2,072,428; Mar. 2.
Covering in meat products. C. T. Walter. 2,072,660; Mar. 2.
Covering, Wall. C. A. Barth. 2,072,289; Mar. 2.
Crawler mechanism. E. F. Norelius. 2,072,529; Mar. 2.
Cue, Billiard. B. R. Nyhagen. 2,072,484; Mar. 2.
Cultivator. H. L. Magnon. 2,072,762; Mar. 2.
Cultivator attachment for tractors. H. P. Smith. 2,072,139; Mar. 2.
Cushion, Air-bound spring. R. O. Smith. 2,072,570; Mar. 2.
Cushion, Spring. J. R. Lee. 2,072,562; Mar. 2.
Cutlery. J. B. Curtis. 2,072,581; Mar. 2.
Cutlery. W. H. Takahashi. 2,072,777; Mar. 2.
Cutter: *See*—
Pipe cutter.
Cutter. J. L. Smith. 2,072,140; Mar. 2.
Cutter for domestic animals, Hair. S. J. Erling. 2,072,445; Mar. 2.
Cutter protector. W. E. Abbitt. 2,072,415; Mar. 2.
Cylinder, Amalgamating. E. L. Foster. 2,072,498; Mar. 2.
Dampers, Manufacture of stove. M. L. Hunker. 2,072,304; Mar. 2.
Deadening means for office machines and like shock and noise generating units. W. L. Coursen. 2,072,244; Mar. 2.
Dehumidifier. C. B. Mays. 2,072,643; Mar. 2.
Detachable handle. N. Shoan. 2,072,569; Mar. 2.
Dial, Sun. F. W. Mochle. 2,072,565; Mar. 2.
Dial telephone indicator. R. Varley. 2,072,657; Mar. 2.
Digesting method and apparatus. J. J. de la Roza, Sr. 2,072,086; Mar. 2.
Discharge device for roasters, Automatic. P. Munsch. 2,072,718; Mar. 2.
Disconnecter. W. Wilson. 2,072,233; Mar. 2.
Dispenser: *See*—
Sugar dispenser.
Dispensing device. W. Friedman and B. Lindner. 2,072,327; Mar. 2.
Dispensing receptacle. B. B. Leustig. 2,072,506; Mar. 2.
Display device. V. H. Jones. 2,072,754; Mar. 2.
Display device. J. E. Tracey and E. M. Phelps. 2,072,841; Mar. 2.
Display device. F. Wierzbicki. 2,072,193; Mar. 2.
Display stand. J. E. Bales. 2,072,700; Mar. 2.
Dissolving apparatus. S. B. Schwartz. 2,072,385; Mar. 2.
Distillation of liquids, Fractional. A. R. Blakey. 2,072,834; Mar. 2.
Distribution panel board. W. H. Frank. 2,072,584; Mar. 2.
Doll eye unit. M. De Cesare and D. Cohn. 2,072,358; Mar. 2.
Door. G. Madland. 2,072,641; Mar. 2.
Door, Coke oven. P. Van Ackeren. 2,072,537; Mar. 2.
Door construction, Vertically sliding. H. C. Blodgett. 2,072,092; Mar. 2.
Door open, Apparatus for holding a. F. L. Mann. 2,072,525; Mar. 2.
Doorway, Sectional. J. F. Daniell. 2,072,514; Mar. 2.
Drainage tube. W. R. Smith. 2,072,346; Mar. 2.
Drawbolt and clamp for saw blades, Combined. R. L. Fitzsimmons. 2,072,298; Mar. 2.
Drill press spindle drive and mounting. W. F. Ocenasek. 2,072,646; Mar. 2.
Drilling tool. W. N. Thompson. 2,072,470; Mar. 2.
Drinking tube. H. N. Correll. 2,072,580; Mar. 2.
Driving means for grain elevators. J. D. Hofer. 2,072,400; Mar. 2.
Dry cleaning. A. E. Hatfield. 2,072,332; Mar. 2.
Duplicating machine. E. K. Johansen. 2,072,336; Mar. 2.
Duplicating machine and method. E. M. Terry. 2,072,534; Mar. 2.
Dusting in the manufacture of coated paper, Reducing. L. C. Fleck. 2,072,670; Mar. 2.
Dyeing machine. W. M. Wentz. 2,072,323; Mar. 2.
Dyestuffs, Acid triphenylmethane. P. Wolff and W. Werner. 2,072,539; Mar. 2.
Dyestuffs and preparing them, Phenyl-. E. Koenigs and E. Ruppelt. 2,072,401; Mar. 2.
Dyestuffs, Anthraquinone. N. H. Haddock, F. Lodge, and C. H. Lumsden. 2,072,259; Mar. 2.
Dyestuffs of the anthraquinone series and making the same, Vat. R. Scholl, K. Meyer, and J. Donat. 2,072,485; Mar. 2.
Egg holder. A. Bruno. 2,072,794; Mar. 2.
Electrical circuit timer. J. R. Galt. 2,072,812; Mar. 2.
Electrical discharge device. G. Dobke. 2,072,733; Mar. 2.

Electrical generator supplying two loads, one at variable voltage and another at constant voltage. J. M. Pestarini. 2,072,768; Mar. 2.
Electrical outlet device. C. G. Beersman. 2,072,702–3; Mar. 2.
Electrolytic apparatus and method. J. T. Ellsworth. 2,072,811; Mar. 2.
Electromagnetic device. H. F. Wilson. 2,072,783; Mar. 2.
Electron discharge tube. G. Jobst. 2,072,637; Mar. 2.
Electron tube. F. Schröter and F. Michelssen. 2,072,651; Mar. 2.
Electrooptical system. F. Gray. 2,072,478; Mar. 2.
Electrooptical system. W. F. Kannenberg. 2,072,455; Mar. 2.
Electrostatic separation, Apparatus for. G. Grave and E. Oppen. 2,072,501; Mar. 2.
Elements for use in the electrodeposition of chromium. G. K. Herzog. 2,072,170; Mar. 2.
Elevating and supporting device, Adjustable combined. L. M. Baer. 2,072,791; Mar. 2.
Embedding mass. W. Moosdorf and P. Wolski. 2,072,212; Mar. 2.
Emulsions, Breaking. M. De Groote and B. Keiser. 2,072,085; Mar. 2.
Engine: *See*—
Internal combustion engine.
Escapement construction. F. Better. 2,072,704; Mar. 2.
Esters. H. B. Dykstra and W. E. Lawson. 2,072,739; Mar. 2.
Esters of cellulose, Making organic. H. E. Martin. 2,072,270; Mar. 2.
Ethers and producing the same, Nuclear halogenated mixed. F. M. Clark and W. M. Kutz. 2,072,797; Mar. 2.
Exhaust system for automotive engines. G. A. Kingsley. 2,072,372; Mar. 2.
Exhauster for sprinkler systems. W. B. Griffith and D. A. Keller. 2,072,634; Mar. 2.
Extension switch. D. L. Stayton. 2,072,389; Mar. 2.
Fabrics, Producing knitted. T. H. Jones. 2,072,209; Mar. 2.
Fastener: *See*—
Slide fastener.
Faucet. L. J. Hengesbach and W. P. Fox. 2,072,555; Mar. 2.
Feed mechanism for machine tools. J. R. Johnson. 2,072,339–40; Mar. 2.
Fibers from bast plants, Separating. J. H. Gillespie. 2,072,749; Mar. 2.
Fifth wheel. G. Walther and E. L. Miller. 2,072,661; Mar. 2.
Figs, Treating. C. F. Love. 2,072,309; Mar. 2.
Filaments and like materials, Production of artificial. H. Dreyfus. 2,072,248; Mar. 2.
Filaments, films, and similar materials containing organic derivatives of cellulose, Treatment of. H. Dreyfus. 2,072,250; Mar. 2.
Filaments, Spinning of artificial. C. Dreyfus and W. Whitehead. 2,072,100; Mar. 2.
Filaments, Spinning of artificial. C. Dreyfus and W. Whitehead. 2,072,102; Mar. 2.
Film, Apparatus for projection of lenticular. J. Eggert and G. Heymer. 2,072,741; Mar. 2.
Film cartridge, Reloadable. C. E. Rose. 2,072,625; Mar. 2.
Film, Printing lenticular. J. Eggert and G. Heymer. 2,072,396; Mar. 2.
Filter: *See*—
Pressure filter. Rotary filter.
Fine grading machine. R. D. Baker. 2,072,150; Mar. 2.
Finger pointer and nail protector. P. Niedorff. 2,072,683; Mar. 2.
Firearm, Automatic. T. E. Bergmann. 2,072,197; Mar. 2.
Fitting for oil stills, Return bend. F. C. Fantz. 2,072,669; Mar. 2.
Fittings, Manufacture of. D. E. Lindquist. 2,072,591; Mar. 2.
Flag, Golf. V. Vigliotti. 2,072,573; Mar. 2.
Flaring tool. A. C. Dobrick. 2,072,359; Mar. 2.
Flexible coupling. E. G. Stack. 2,072,843; Mar. 2.
Flexible rail joint. C. A. Disbrow. 2,072,619; Mar. 2.
Flow control system. C. G. Richardson. 2,072,531; Mar. 2.
Flow control, Viscosity compensated. W. O. Lum. 2,072,761; Mar. 2.
Flow of glass to a feeder circuit, Controlling. J. Bailey. 2,072,807; Mar. 2.
Flow valve. J. W. Taylor. 2,072,435; Mar. 2.
Flower pot, Combination. R. H. Lockyer. 2,072,172; Mar. 2.
Flower pot watering system. A. P. Schein. 2,072,185; Mar. 2.
Fluid flow meter. A. G. S. Sandison. 2,072,220; Mar. 2.
Fluid movement around oil well tools, Method and apparatus for increasing. J. A. Zublin. 2,072,627; Mar. 2.
Fluid reaction apparatus. W. L. Upson. 2,072,322; Mar. 2.
Fluids, Measurement and control of the flow of viscous. H. G. Geissinger. 2,072,204; Mar. 2.
Fluids, Method of and apparatus for controlling the flow of. E. V. Collins. 2,072,442; Mar. 2.
Fluids, Method of and apparatus for proportioning combustible. E. X. Schmidt. 2,072,384; Mar. 2.
Fluorides from water, Removing. R. H. McKee and W. S. Johnston. 2,072,376; Mar. 2.
Folding box. R. Ikeda and S. Satake. 2,072,753; Mar. 2.
Food handling apparatus. H. L. Johnston. 2,072,677; Mar. 2.
Food handling apparatus. D. A. Meeker and J. C. Slager. 2,072,681; Mar. 2.
Foodstuff and preparing same, Dietetic. E. Kretschmer. 2,072,402; Mar. 2.
Footwear. H. A. Wulff. 2,072,785; Mar. 2.
Frame: *See*—
Umbrella frame.
Frame and sash construction, Metal window. A. Huttger. 2,072,334; Mar. 2.
Frames for candle holders, Method and apparatus for making wire. L. Weiss. 2,072,230; Mar. 2.
Fuel injector structure for oil engines. C. L. Cummins. 2,072,545; Mar. 2.
Fuel system, Internal combustion engine. F. O. Ball. 2,072,353; Mar. 2.
Furnace. J. R. A. Hobson, Jr. 2,072,450; Mar. 2.
Furnace circulatory system. C. S. Gille. 2,072,517; Mar. 2.
Furnaces, Operating electric eddy current. L. Dreyfus. 2,072,549; Mar. 2.
Fuse, Automatic ejecting. H. P. Bauman. 2,072,290; Mar. 2.
Fusee, Combination torpedo. T. W. Hays. 2,072,503; Mar. 2.
Gain control, Automatic. H. A. Snow. 2,072,283; Mar. 2.
Game. P. L. Palmer. 2,072,605; Mar. 2.
Game. H. J. Stitt. 2,072,723; Mar. 2.
Game, Card. H. Creswell. 2,072,799; Mar. 2.
Game of skill. C. W. Morgan. 2,072,682; Mar. 2.
Garbage container. W. C. Groeniger. 2,072,813; Mar. 2.
Garlands, Making tinsel. P. Kranz and A. P. Schmid. 2,072,560; Mar. 2.
Garment. Detachable combination. P. H. Robbins. 2,072,839; Mar. 2.
Garment support. G. Richter. 2,072,685; Mar. 2.
Garments, Summer. H. M. Birch. 2,072,614; Mar. 2.
Garnishing device. H. E. Mercer. 2,072,509; Mar. 2.
Gas pyrolysis. W. W. Gary. 2,072,801; Mar. 2.
Gas regulator, Constant pressure. E. J. Clemons. 2,072,294; Mar. 2.
Gasoline or the like, Dispensing or measuring. C. P. Lent. 2,072,522; Mar. 2.
Gasoline, Production of antiknock. L. H. Fitch, Jr. 2,072,745; Mar. 2.
Gauge: *See*—
Liquid depth or contents gauge.
Gauge for sewing buttons on shirts. T. Cohen and W. Sallish. 2,072,709; Mar. 2.
Gear: *See*—
Power reverse gear. Reverse gear.
Gear for a liquid pump operating motor, Valve. C. A. Lausen. 2,072,403; Mar. 2.
Gilling machine and drawing machine for the treatment of fibrous material. J. Hughes. 2,072,451–3; Mar. 2.
Glass, Heat resisting fluoride borosilicate. H. P. Hood. 2,072,207; Mar. 2.
Glass, Laminated. E. L. Fix. 2,072,583; Mar. 2.
Glass, Method of and apparatus for feeding molten. G. E. Rowe. 2,072,827; Mar. 2.
Glass transfer mechanism. G. R. Haub. 2,072,502; Mar. 2.
Glove, Rubberized. J. Burnham. 2,072,541; Mar. 2.
Golf-ball tee. W. H. Rose. 2,072,688; Mar. 2.
Golf tee, Recording. G. F. Lindsley. 2,072,405; Mar. 2.
Gonadotropic hormonal substances, Purifying. E. L. Gustus. 2,072,258; Mar. 2.
Goose and duck call, Wild. J. S. Yager. 2,072,786; Mar. 2.
Grader, Road. R. W. Keeler. 2,072,111; Mar. 2.
Grapple, Oil well. C. A. Kelso. 2,072,338; Mar. 2.
Grate, Furnace. A. G. Wheler. 2,072,512; Mar. 2.
Gravity indicating device, Specific. J. E. G. Eurich. 2,072,164; Mar. 2.
Grinding machine. H. G. Day. 2,072,157; Mar. 2.
Grinding machinery. F. S. Haas. 2,072,814; Mar. 2.
Gun, Gas. M. S. Gagle. 2,072,621; Mar. 2.
Handle: *See*—
Detachable handle.
Handle connection. F. F. Black. 2,072,823; Mar. 2.
Hatch construction. G. G. Gilpin. 2,072,328; Mar. 2.
Headlight for vehicles, Multiple. W. Woodward. 2,072,697; Mar. 2.
Hearing testing. J. L. Bloomheart. 2,072,705; Mar. 2.
Heat insulating composition, Plastic. O. A. Brandt and D. Dalenius. 2,072,081; Mar. 2.
Heat insulating material. K. B. Blake and C. S. Kemp. 2,072,152; Mar. 2.
Heat transfer apparatus. J. H. Shafner. 2,072,652; Mar. 2.
Heater: *See*—
Air heater.
Heater for automobiles. H. J. Findley. 2,072,744; Mar. 2.
Heating and cooling unit, Combination. F. S. Baird and C. H. Marsh. 2,072,833; Mar. 2.
Heating unit circuit breaker. R. J. Parsons. 2,072,822; Mar. 2.

Heels, Method of and apparatus for spooling. M. W. Howard. 2,072,109; Mar. 2.
Hinge: *See*—
Spring hinge.
Hitch for automobile trailers. R. T. Baumberger. 2,072,473; Mar. 2.
Hitch, Trailer. H. A. Cederstrom. 2,072,728; Mar. 2.
Hoist, Knock-down and adjustable transmission. W. Q. Faulk. 2,072,398; Mar. 2.
Holder: *See*—
Car and truck holder. Marker and flower holder.
Egg holder. Sign holder.
Holder. L. Abbotts. 2,072,662; Mar. 2.
Holder for addressing machines, Printing plate. F. J. Kubalanza. 2,072,588; Mar. 2.
Holder for paper towels in roll form. E. W. Carpenter and W. H. Fry. 2,072,519; Mar. 2.
Hormones, Producing dihydro follicular. E. Schwenk and B. Whitman. 2,072,830; Mar. 2.
Hydraulic operating mechanism for circuit breakers and the like. J. W. McNairy. 2,072,481; Mar. 2.
Hydrocarbon distillate, Stabilization of. P. C. Keith, Jr. 2,072,456; Mar. 2.
Hydrocarbon process. I. A. Anson. 2,072,789; Mar. 2.
Hydrocarbons, Conversion of. P. H. Sullivan. 2,072,805; Mar. 2.
Hydrocarbons, Production of light. E. J. Houdry. 2,072,108; Mar. 2.
Identification and recording device. E. W. Davis and A. H. Maynard. 2,072,098; Mar. 2.
Ignition device. F. A. Gauger. 2,072,552; Mar. 2.
Ignition system. W. B. King. 2,072,112; Mar. 2.
Impact device. K. Seidl. 2,072,224; Mar. 2.
Impulse transmitting device. J. L. A. Vanheerswynghels. 2,072,572; Mar. 2.
Indicator: *See*—
Dial telephone indicator. Pressure indicator.
Liquid level indicator. Specific gravity indicator.
Luminous indicator. Tuning indicator.
Inhaler. J. E. Plew. 2,072,407; Mar. 2.
Insert attachment for wrapping machines. L. Ferenci and S. Clausen. 2,072,516; Mar. 2.
Insole and making the same. W. H. Bain. 2,072,727; Mar. 2.
Insulator and making it. C. H. Dibble. 2,072,201; Mar. 2.
Internal combustion engine. V. P. Helming. 2,072,474; Mar. 2.
Internal combustion engine. C. R. Paton. 2,072,180; Mar. 2.
Internal combustion engine. S. Witkowski. 2,072,574; Mar. 2.
Internal combustion engine. A. R. Wurtele. 2,072,437; Mar. 2.
Irradiating apparatus. E. C. Berndt and H. M. Creighton. 2,072,418; Mar. 2.
Jigsaw. J. C. Lowry and O. M. Rybolt. 2,072,590; Mar. 2.
Joint: *See*—
Concrete slab joint. Rail joint.
Flexible rail joint.
Joint assembly, Double universal. M. Anderson. 2,072,090; Mar. 2.
Joint for oil-filled cables, Stop. L. Emanuell. 2,072,742; Mar. 2.
Joint forming means and construction making use thereof. F. O. Parker. 2,072,647; Mar. 2.
Journal bearing. W. H. Heckman. 2,072,168; Mar. 2.
Knitting device, Hand. B. E. Eltgroth. 2,072,668; Mar. 2.
Lamp: *See*—
Bed reading lamp. Tantalum carbide lamp.
Last and last attachment. C. Miller. 2,072,838; Mar. 2.
Lasting machine. J. W. Pratt and H. Lane. 2,072,213; Mar. 2.
Latch. H. J. Mackin. 2,072,269; Mar. 2.
Latch. M. Yartyan. 2,072,726; Mar. 2.
Lathe, Last. L. E. Topham and C. L. Knott. 2,072,228; Mar. 2.
Lens, Ophthalmic. H. W. Hill. 2,072,593; Mar. 2.
Lift and like controlling mechanism. N. C. Smart and B. F. Moss. 2,072,282; Mar. 2.
Lift for sadirons. T. L. Reed. 2,072,217; Mar. 2.
Lifter: *See*—
Valve lifter.
Lifting and coupling tool, Combined. T. T. Varney, Jr. 2,072,301; Mar. 2.
Lifting mechanism for road graders, Hydraulic. R. W. Keeler. 2,072,306; Mar. 2.
Lighter, Automatic. S. W. Neidner. 2,072,178; Mar. 2.
Liquid cooler. R. R. Butts. 2,072,082; Mar. 2.
Liquid depth or contents gauge. A. Nutsford. 2,072,311; Mar. 2.
Liquid level indicator. R. C. Scott. 2,072,223; Mar. 2.
Liquids, Method of and apparatus for heating and vaporizing. C. H. Folmsbee, H. W. Le Boutillier, and F. Hess. 2,072,713; Mar. 2.
Liquids, Process and apparatus for the fractional distillation of. A. R. Blakey. 2,072,093; Mar. 2.
Load handling apparatus. H. Dudoult. 2,072,735; Mar. 2.
Loads over inclined or stepped surfaces, Device for conveying. R. A. Schüttkus. 2,072,222; Mar. 2.
Lock: *See*—
Bottle lock. Spring nut lock.
Lock and handle, Coach. E. G. Simpson. 2,072,317; Mar. 2.
Lock for cartons. H. L. Greve. 2,072,257; Mar. 2.
Locking mechanism for purses and the like. A. Awiszus. 2,072,076; Mar. 2.
Locomotive. V. Z. Caracristi. 2,072,707; Mar. 2.
Locomotives, Device for covering the steam exhaust pipe of. M. Lemaitre 2,072,599; Mar. 2.
Loom for continuous weaving in which the weft is inserted by Pirnless shuttles, Weaving. R. Dewas. 2,072,159–60; Mar. 2.
Looms and the like, Thread carrying apparatus for weaving. R. Dewas. 2,072,161; Mar. 2.
Luminescent screen. H. W. Leverenz. 2,072,115; Mar. 2.
Luminous indicator. C. M. Andres. 2,072,439; Mar. 2.
Machine and buck, Pressing. G. W. Johnson. 2,072,208; Mar. 2.
Machine for carbonating liquids. L. E. Cowey. 2,072,296; Mar. 2.
Machine for making packing. J. T. Crane. 2,072,544; Mar. 2.
Machine for making spiral windings. H. W. Voorhees. 2,072,284; Mar. 2.
Machine for operating on heels. W. R. Pope. 2,072,128; Mar. 2.
Machine for packing merchandise in bags. A. F. Stagmeier. 2,072,654; Mar. 2.
Machine transmission and control mechanism, Milling. L. W. Wright. 2,072,540; Mar. 2.
Mandrel registering mechanism for enameling machines. G. W. Temple. 2,072,840; Mar. 2.
Manifolding device, Portable. J. Q. Sherman. 2,072,133–4; Mar. 2.
Marker and flower holder, Grave. H. C. Schoepflin. 2,072,774; Mar. 2.
Mask, Sun. F. A. Rentchler. 2,072,183; Mar. 2.
Material for combatting pests. P. Stricker. 2,072,226; Mar. 2.
Material, Method and apparatus for guiding. A. B. Montgomery. 2,072,122; Mar. 2.
Material, Method of and machine for folding sheet. C. K. MacDonald. 2,072,211; Mar. 2.
Material, Waterproofing frictional type. T. L. Cunningham. 2,072,097; Mar. 2.
Materials, Manufacture or treatment of artificial. H. Dreyfus. 2,072,251; Mar. 2.
Materials, Process and apparatus for oxidizing. J. McCallum. 2,072,375; Mar. 2.
Matrix in typographical line-casting machines, Hand-composed. W. E. Aynge. 2,072,613; Mar. 2.
Matrix trimmer. J. W. Fitzsimmons. 2,072,106; Mar. 2.
Measuring and dispensing appliance. C. L. Ludwig. 2,072,760; Mar. 2.
Merchandising container. C. P. Wellman. 2,072,695; Mar. 2.
Mercury inertia switch. R. Erich. 2,072,362; Mar. 2.
Metal working. J. Schmeller, Sr. 2,072,650; Mar. 2.
Meter: *See*—
Fluid flow meter.
Meter for liquids. W. A. Forster. 2,072,326; Mar. 2.
Metering means. H. Rosenthal. 2,072,409; Mar. 2.
Methylamino, Production of. H. Dreyfus. 2,072,247; Mar. 2.
Milk products, Treating sour. H. D. Wendt. 2,072,192; Mar. 2.
Mill: *See*—
Colloidal mill. Rolling mill.
Mill of the overhun type, Rolling. W. W. Hamill. 2,072,448; Mar. 2.
Mixing and atomizing apparatus for hydrocarbons and other fluid materials. R. F. Simonin. 2,072,281; Mar. 2.
Mixing valve. H. B. McLaughlin. 2,072,645; Mar. 2.
Mold and method of molding. H. N. Wayne. 2,072,349; Mar. 2.
Mold for casting type metal pigs, Ingot. E. H. Hostetler. 2,072,817; Mar. 2.
Motor: *See*—
Pressure fluid actuated spinning motor. Variable speed motor.
Motor construction, Electric. H. E. Reeder. 2,072,769; Mar. 2.
Motor device, Vibratory. E. L. Barrett and M. J. Manahan. 2,072,578; Mar. 2.
Motor for and a power transmission mechanism, Fluid. W. M. Braly. 2,072,356; Mar. 2.
Mounting for discharge tubes, Electrode. G. Jobst. 2,072,638; Mar. 2.
Mounting for rock drills. W. A. Morrison. 2,072,526; Mar. 2.
Naphthalene derivatives, Manufacture of. M. Wyler and A. Kershaw. 2,072,238; Mar. 2.
Necktie. I. E. Dickinson. 2,072,422; Mar. 2.
Necktie. J. Weisbaum. 2,072,724; Mar. 2.
Nipple piercing machine. J. B. Whitbread. 2,072,782; Mar. 2.
Nitro derivative of tertiary butyl pseudocumane and preparing same. M. S. Carpenter. 2,072,293; Mar. 2.
N-methyl-c,c-allyl-isopropyl-barbituric acid and manufacture of the same. O. Schnider. 2,072,829; Mar. 2.
Nozzle, Automatic filling. H. K. Flinchbaugh. 2,072,202; Mar. 2.
Numbering device, Automatic. K. Frenzel 2,072,363; Mar. 2.
Objects in rengenerated cellulose, Inclosing. J. H. Grady and J. W. Clarke. 2,072,329–30; Mar. 2.
Oil burner. G. A. Crosby. 2,072,731; Mar. 2.
Oil burner. G. Richter. 2,072,343; Mar. 2.

Oil, Oxidizing. R. D. Bonney and W. S. Egge. 2,072,151; Mar. 2.
Oil treatment, Hydrocarbon. S. W. Ferris. 2,072,104; Mar. 2.
Oils, Conversion and coking of hydrocarbon. E. F. Nelson. 2,072,378; Mar. 2.
Oils, Conversion of hydrocarbon. E. F. Nelson. 2,072,123; Mar. 2.
Oils, Converting hydrocarbon. D. H. Mace. 2,072,524; Mar. 2.
Oils, Cracking hydrocarbons. C. B. Buerger. 2,072,394; Mar. 2.
Oils in the vapor phase, Process of and apparatus for converting hydrocarbon. A. P. Sachs. 2,072,131; Mar. 2.
Oils, Method of and radiant heat stills for distilling hydrocarbon. D. L. Thomas. 2,072,535; Mar. 2.
Opener and contents extractor, Package. E. B. Christopher. 2,072,796; Mar. 2.
Opener for screw closures. G. Eaton. 2,072,360; Mar. 2.
Ordnance. G. C. Davison. 2,072,099; Mar. 2.
Ore concentrating table. C. F. Hutchings. 2,072,594; Mar. 2.
Organic compounds, Manufacture of. H. Dreyfus. 2,072,101; Mar. 2.
Orifice, Producing a variable. D. E. Hibner, Jr. 2,072,556; Mar. 2.
Oscillograph. J. B. Sherman. 2,072,653; Mar. 2.
Oven and the like. C. J. Kessler. 2,072,820; Mar. 2.
Oven and the like, Coal distillation. F. Totzek. 2,072,321; Mar. 2.
Packages, Formation of. A. O. Daller. 2,072,421; Mar. 2.
Packing. J. T. Crane. 2,072,543; Mar. 2.
Pad: *See*—
Saddle pad.
Panel, Instrument. J. Tjaarda. 2,072,655; Mar. 2.
Panel, Upholstery. A. S. Mitchell. 2,072,603; Mar. 2.
Panels, Method and apparatus for manufacturing upholstered. A. S. Mitchell. 2,072,602; Mar. 2.
Paper folding machine. M. Apitzsch and O. Kleinschmit. 2,072,790; Mar. 2.
Papers, Manufacture of starch-sized. O. F. Neitzke. 2,072,179; Mar. 2.
Parachute attachment for airplanes, Safety. T. Lewis and S. J. Robinson. 2,072,600; Mar. 2.
Paste applying apparatus. A. W. Keen and H. T. Trautvetter. 2,072,597; Mar. 2.
Peeler, Beet. G. B. Kile. 2,072,598; Mar. 2.
Pencil, Mechanical. W. R. Cuthbert and W. H. Lindemon. 2,072,711; Mar. 2.
Percussive tool valve. H. J. Schorle. 2,072,607; Mar. 2.
Photoelectric tube. A. J. McMaster and C. E. Parson. 2,072,342; Mar. 2.
Photographic apparatus. C. W. Carey. 2,072,084; Mar. 2.
Photographs of the upper and lower jaws, Apparatus for taking. H. van Hartingsvelt. 2,072,390; Mar. 2.
Piano teaching apparatus. M. V. Ross. 2,072,511; Mar. 2.
Picker, Fruit. M. Hunt. 2,072,558; Mar. 2.
Picture frame and merchandise magazine, Combined. A. Graham. 2,072,167; Mar. 2.
Plier, Article. J. R. Coe. 2,072,667; Mar. 2.
Pipe: *See*—
Smoking pipe.
Pipe cutter, Outside. O. J. McCullough. 2,072,341; Mar. 2.
Piston, and piston connecting rod assembly. R. K. Lee. 2,072,373; Mar. 2.
Piston ring system, High speed. L. Hilmer. 2,072,623; Mar. 2.
Plant feeder and support. R. S. C. Fow. 2,072,165; Mar. 2.
Plastic material, Manufacture of. T. Robinson. 2,072,687; Mar. 2.
Plug: *See*—
Spark plug.
Plug assembling machine, Spark. C. E. Dewar. 2,072,087; Mar. 2.
Polymeric N-vinyl compounds, Production of. W. Reppe, E. Keyssner, and E. Dorrer. 2,072,465; Mar. 2.
Polymers useful for blending and other purposes, Producing high boiling. S. C. Fulton and L. A. Mikeska. 2,072,107; Mar. 2.
Porous masses, Treating. E. Pollak. 2,072,408; Mar. 2.
Portable electric tool. F. P. Forss. 2,072,551; Mar. 2.
Pot, Coffee. J. de Ayala. 2,072,199; Mar. 2.
Power driving device. K. Pfeiffer, S. T. Foresman, and A. H. Fries. 2,072,380; Mar. 2.
Power for fuses, etc., Slow-burning. D. E. Pearsall. 2,072,719–20; Mar. 2.
Power plant. O. H. Hirstius. 2,072,752; Mar. 2.
Power reverse gear. E. M. Shannon and J. F. McMenamin. 2,072,410; Mar. 2.
Power steering apparatus for vehicles. W. W. Fuller. 2,072,203; Mar. 2.
Power transmission, Motor vehicle. H. F. Patterson. 2,072,379; Mar. 2.
Power unit, Cycle. O. Von Kories. 2,072,611; Mar. 2.
Press: *See*—
Belly press. Printing press.
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U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

AA Laboratories. (See Ancerawicz, A. J.)

Abbott Laboratories, North Chicago, Ill. Various chemicals, drugs, pharmaceuticals, etc. Serial No. 385,331; Mar. 9. Class 6.

Albers Bros. Milling Co., Portland, Oreg. Buckwheat and wheat flour. Serial No. 357,702; Mar. 9. Class 46.

Alligator Company, The, St. Louis, Mo. Raincoats. Serial No. 387,485; Mar. 9. Class 39.

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Amalgamated Leather Companies, Inc., Wilmington, Del. Leather. Serial No. 387,531; Mar. 9. Class 1.

Amalgamated Leather Companies, Inc., Wilmington, Del. Leather. Serial No. 387,882; Mar. 9. Class 1.

American Book Cover Co. (See Berkman, Irving.)

American Dirigold Corporation, The, Kokomo, Ind. Spoons, knives, forks, etc. Serial No. 372,192; Mar. 9. Class 23.

American Foundry Equipment Company, The, Mishawaka, Ind. Abrasive blast apparatus. Serial No. 387,726; Mar. 9. Class 23.

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Ancerawicz, A. J., doing business as AA Laboratories, Kulpmont, Pa. Medicinal preparations. Serial No. 387,101; Mar. 9. Class 6.

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Automatic Washer Company, Newton, Iowa. Laundry washing machines. Serial No. 386,975; Mar. 9. Class 24.

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Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 387,729; Mar. 9. Class 17.

Aydelotte, Mabel D., Yarmouth Port, Mass. Food beverage. Serial No. 387,262; Mar. 9. Class 46.

Azienda Italiana Lubrificanti Clarenty Minerali Originali e Vegetali Nazionali, Rome, Italy. Lubricating mineral oils lubricating fats. Serial No. 381,603; Mar. 9. Class 15.

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Balaguer, Enrique R., doing business as Dr. Lovett Medicine Co., Brooklyn, N. Y. Preparations for purification of the blood, etc. Serial No. 387,303; Mar. 9. Class 6.

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Bassick Company, The, Bridgeport, Conn. Furniture casters and slides, metal drawer pulls and knobs, etc. Serial No. 387,105; Mar. 9. Class 13.

Bassick Company, The, Bridgeport, Conn. Furniture casters. Serial Nos. 387,106–11; Mar. 9. Class 13.

Bassick Company, The, Bridgeport, Conn. Chair hardware. Serial No. 387,112; Mar. 9. Class 13.

Battenfeld Grease & Oil Corp., The, Kansas City, Mo. Lubricating grease. Serial No. 378,125; Mar. 9. Class 15.

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Berger, Adolph, doing business as Silk-Hosiery Nite, New York, N. Y. Ladies' silk hosiery. Serial No. 386,577; Mar. 9. Class 39.

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Civic Activities Association, Rockford, Ill. Publications and periodicals. Serial No. 368,400; Mar. 9. Class 38.

Cohn, H. C., & Co., Rochester, N. Y. Neckties. Serial No. 378,131; Mar. 9. Class 39.

Coleman & Bell Company, The, Norwood, Ohio. Chemical reagents, biological stains, chemical indicators, etc. Serial No. 369,440; Mar. 9. Class 6.

College Inn Food Products Company, Chicago, Ill. Whiskies. Serial No. 385,723; Mar. 9. Class 49.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. Serial No. 387,453; Mar. 9. Class 23.

Columbia Plush & Puff Co., Inc., Brooklyn, N. Y. Powder puffs. Serial No. 372,046; Mar. 9. Class 29.

Cooper, Wells & Company, St. Joseph, Mich. Hosiery. Serial Nos. 387,542–3; Mar. 9. Class 39.

Corsicana Cotton Mills, Corsicana, Tex. Double filling ducks. Serial Nos. 387,741–2; Mar. 9. Class 42.

Daily Mirror, Inc., New York, N. Y. Newspaper section. Serial No. 387,117; Mar. 9. Class 38.

Denman & Hernes, Inc., New York, N. Y. Butter. Serial No. 387,546; Mar. 9. Class 46.

Detroit Sulphite Pulp & Paper Co., Detroit, Mich. Wrapping paper. Serial No. 385,566; Mar. 9. Class 37.

D. C. Unit of Nation-Wide Service Grocers, Inc., Washington, D. C. Cocoa, coffee, canned milk, canned dog food, etc. Serial No. 386,580; Mar. 9. Class 46.

Dominion Corset Company Limited, Quebec, Quebec, Canada. Corsets, brassières, corselets, and girdles. Serial No. 372,966; Mar. 9. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Rayon underwear, pajamas, nightgowns, and dresses. Serial No. 387,863; Mar. 9. Class 39.

Eaton-Clark Company, Detroit, Mich. Chemical bleaching preparations, spot and stain removers, etc. Serial No. 386,726; Mar. 9. Class 6.

Edison Orange Growers Association, San Francisco and Edison, Calif. Fresh citrus fruit. Serial No. 383,878; Mar. 9. Class 46.

Emporium, The, San Francisco, Calif. Piece goods. Serial No. 386,535; Mar. 9. Class 42.

Epstein, Burney, Inc., New York, N. Y. Knitted dresses, sweaters, and blouses. Serial No. 387,528; Mar. 9. Class 39.

Equipment Specialties Company, Chicago, Ill. Railway refrigerating car apparatus. Serial No. 373,251; Mar. 9. Class 31.

Eskimo Pie Corporation, Brooklyn, N. Y. Frozen confections. Serial No. 386,796; Mar. 9. Class 46.

Esquire Features, Inc., Chicago, Ill. Newspaper cartoons. Serial No. 387,500; Mar. 9. Class 38.

Esterbrook Steel Pen Manufacturing Company, The, Camden, N. J. Fountain pens, inkwells, and desk sets. Serial No. 381,978; Mar. 9. Class 37.

Fant Milling Company, Sherman, Tex. Wheat flour. Serial No. 386,764; Mar. 9. Class 46.

Farrar, Richard J. H., doing business as Pupukea Farm, Maunawai Post Office, Oahu, Hawaii. Fresh deciduous fruits and vegetables. Serial No. 376,578; Mar. 9. Class 46.

Fehr Baking Company of Beaumont, Beaumont, Tex. Bread. Serial No. 383,803; Mar. 9. Class 46.

Finer Flavor Foods Company. (See Schuette, Herbert J.)

Freeman Shoe Corporation, Beloit, Wis. Boots and shoes. Serial No. 387,941; Mar. 9. Class 39.

French, R. T., Company, The, Rochester, N. Y. Antiseptic and germicide. Serial No. 387,582; Mar. 9. Class 6.

Freneau, E. S., & Company, New York, N. Y. Woven fabrics in the piece. Serial No. 386,772; Mar. 9. Class 42.

Fromm Bros., Inc., Hamburg, Wis. Pelts and furs. Serial No. 387,437; Mar. 9. Class 1.

Fruhauf & Musyl, Inc., Carlstadt, N. J. Ladies' hats. Serial No. 384,456; Mar. 9. Class 39.

Gang Busters Crime Detection Laboratories, Kansas City, Mo. Finger print kits, chemical kits, microscopic kits, etc. Serial No. 386,941; Mar. 9. Class 26.
General Hosiery Company, Fort Wayne, Ind. Hosiery. Serial Nos. 387,897–9; Mar. 9. Class 39.
Giannola, Vito, doing business as Super Nu-Wash Cleanser Co., St. Louis, Mo. General cleaning compound. Serial No. 386,679; Mar. 9. Class 4.
Godfrey, Joe, Jr., Chicago, Ill. Periodical. Serial No. 385,224; Mar. 9. Class 38.
Gompes, Henri S., New York, N. Y. Astringents, astringent cerates, beauty and bleach creams, etc. Serial No. 386,158; Mar. 9. Class 6.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Film, sheet or strip for wrapping, packaging, and covering. Serial No. 386,540; Mar. 9. Class 50.
Gordon-Allen Ltd., Oakland, Calif. Clothes washing soap. Serial No. 366,096; Mar. 9. Class 4.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Coffee. Serial No. 387,811; Mar. 9. Class 46.
Hamilton Chemical Products Co., Brockton, Mass. Liquid cements. Serial No. 387,608; Mar. 9. Class 5.
Hearst Consolidated Publications, Inc., Atlanta, Ga. Newspaper column. Serial No. 387,439; Mar. 9. Class 38.
Helburn, Willard, Inc., Salem, Mass. Leather. Serial No. 387,704; Mar. 9. Class 1.
Hodges, Leigh M., Philadelphia, Pa. Periodicals. Serial No. 387,157; Mar. 9. Class 38.
Hopeville Manufacturing Company, Inc., The, Worcester, Mass. Woolen textile fabrics. Serial No. 385,405; Mar. 9. Class 42.
Horn, Irving B., doing business as The Horn Company, Baltimore, Md. Whiskey. Serial No. 387,015; Mar. 9. Class 49.
Industrial Chemical Powder Co. (See Sessa, Salvatore.)
Inspecto Company of America. (See Jorgensen, James M.)
International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets of paper. Serial No. 387,504; Mar. 9. Class 37.
International Distributing Corporation, Washington, D. C. Whiskey. Serial No. 387,042; Mar. 9. Class 49.
Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. Serial No. 374,592; Mar. 9. Class 34.
Itch-O-Cide Chemical Company, Oklahoma City, Okla. Preparation for treating skin diseases and skin infections. Serial No. 385,734; Mar. 9. Class 6.
Ivanhoe Foods, Inc., Auburn, N. Y. Canned salads. Serial No. 386,948; Mar. 9. Class 46.
Ivanhoe Foods, Inc., Auburn, N. Y. Canned salads. Serial No. 387,280; Mar. 9. Class 46.
Johnson, Bertha S., doing business as Montrose Chemical Co., Lowell, Mass. Fertilizers. Serial No. 386,997; Mar. 9. Class 10.
Jorgensen, James M., doing business as Inspecto Company of America, Los Angeles, Calif. Cleaner for web or canvas equipment. Serial No. 385,792; Mar. 9. Class 4.
Kann, Max M., & Company, Chicago, Ill. Coats, dresses, and suits. Serial No. 373,341; Mar. 9. Class 39.
Kay Shoe Co., The. (See Kleinfeld, Max.)
Kaylooms Incorporated, Weehawken, N. J. Knitted textile piece goods. Serial No. 386,432; Mar. 9. Class 42.
Kayser, Julius, & Co., New York, N. Y. Ladies' underwear. Serial No. 386,862; Mar. 9. Class 39.
Keene Washing Products Co., Keene, N. H. Polishing powder. Serial No. 386,034; Mar. 9. Class 4.
Kepec Company, The, Milwaukee, Wis. Preservatives or dressings for leather. Serial No. 386,949; Mar. 9. Class 4.
Kepec Company, The, Milwaukee, Wis. Paints, paint enamels, and lacquers. Serial No. 386,950; Mar. 9. Class 16.
Kewpie Lingerie Inc., New York, N. Y. Slips. Serial No. 385,737; Mar. 9. Class 39.
Keys, Elmer T., doing business as E. T. Keys Company, Baltimore, Md. Bleach for laundry purpose. Serial No. 386,994; Mar. 9. Class 6.
Kittredge, Benjamin, Brooklyn, N. Y. Printed dental certificate. Serial No. 379,408; Mar. 9. Class 38.
Kleinfeld, Max., doing business as The Kay Shoe Co., New York, N. Y. Shoes. Serial No. 386,116; Mar. 9. Class 39.
Korn, Wm., Inc., New York, N. Y. Lithographic crayons, lithographic crayon paper pencils, metal marking crayons, etc. Serial No. 386,951; Mar. 9. Class 37.
Kuehn, Paul O., South Bend, Ind. Footwear. Serial No. 384,261; Mar. 9. Class 39.
Lander Co., Inc., The, New York, N. Y. Astringent, astringent cerates, bleach and beauty creams, etc. Serial No. 367,357; Mar. 9. Class 6.
Lang, Harry, River Falls, Wis. "Coveralls". Serial No. 386,807; Mar. 9. Class 39.
La Salle Hat Company, The, Philadelphia, Pa. Hats and caps. Serial No. 384,854; Mar. 9. Class 39.
La Salle Hat Company, The, Philadelphia, Pa. Hats and caps. Serial No. 386,037; Mar. 9. Class 39.
Laucks, I. F., Inc., Seattle, Wash. Plastic wall coatings. Serial No. 386,735; Mar. 9. Class 12.
Lay & Way Co. Inc., New York, N. Y. Foundation garments. Serial No. 387,074; Mar. 9. Class 39.
Leeds & Northrup Company, Philadelphia, Pa. Reagents, reagent mixtures, fusel oil, etc. Serial No. 387,136; Mar. 9. Class 6.
Levine, Max, & Co., New York, N. Y. Tweed piece goods. Serial No. 386,954; Mar. 9. Class 42.
Lhopitallier & Cie., (Ancienne Maison Augendre), Paris, France. Pharmaceutical preparation. Serial No. 387,193; Mar. 9. Class 6.
Lithgow Corporation, Chicago, Ill. Coating materials. Serial No. 386,999; Mar. 9. Class 16.
Lorber Mercantile Company, Kansas City, Mo. Whiskey. Serial No. 380,651; Mar. 9. Class 49.
Lovett, Dr., Medicine Co. (See Balaguer, Enrique R.)
Lubri-Zol Corporation, The, Cleveland and Wickliffe, Ohio. Hydrocarbon fuels. Serial No. 372,728; Mar. 9. Class 15.
Macy, R. H., & Co., Inc., New York, N. Y. Women's shoes. Serial No. 387,707; Mar. 9. Class 39.
Manhattan Shirt Company, The, New York, N. Y. Clothing. Serial No. 388,113; Mar. 9. Class 39.
Manteca Canning Company, Manteca, Calif. Canned food products. Serial No. 382,483; Mar. 9. Class 46.
Margolis, Rebecca, doing business as Margolis Kosher Products Co., Uphams Corner Station, Boston, Mass. Edible jelling composition. Serial No. 385,265; Mar. 9. Class 46.
Marvelite Paint Company, The, Baltimore, Md. Paints, paint enamels, varnishes, etc. Serial No. 386,493; Mar. 9. Class 16.
Mathey-Tissot, E., et Co., Les Ponts de Martel, Neuchatel, Switzerland. Watches and clocks and parts thereof. Serial No. 387,044; Mar. 9. Class 27.
Matisse Bros. Inc., New York, N. Y. Lenses and glass reflectors. Serial No. 383,098; Mar. 9. Class 26.
May Department Stores Company, The, St. Louis, Mo. Women's shoes. Serial No. 379,754; Mar. 9. Class 39.
McDaniel, V., Fuel Co., Kansas City, Mo. Coal. Serial No. 386,766; Mar. 9. Class 1.
McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazine. Serial No. 386,767; Mar. 9. Class 38.
McIntosh, William E., Buffalo, N. Y. Fresh apples. Serial No. 387,472; Mar. 9. Class 46.
Medicolate Mfg. Company, Philadelphia, Pa. Preparation for relief of headaches and minor aches and pains. Serial No. 387,045; Mar. 9. Class 6.
Mid-West Oil Company, Kansas City, Kans. Lubricating oils and greases. Serial No. 384,902; Mar. 9. Class 15.
Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. Serial No. 388,016; Mar. 9. Class 39.
Montrose Chemical Co. (See Johnson, Bertha S.)
Narragansett Brewing Company, Cranston, R. I. Malt beverages. Serial No. 383,100; Mar. 9. Class 48.
Narragansett Brewing Company, Cranston, R. I. Malt beverages. Serial No. 383,175; Mar. 9. Class 48.
National Biscuit Company, New York, N. Y. Bakery products. Serial Nos. 387,874–5; Mar. 9. Class 46.
National Blank Book Company, Riverside, Holyoke, Mass. Blank books, loose leaf books, and parts thereof. Serial No. 387,003; Mar. 9. Class 37.
New Jersey Zinc Company, The, Newark, N. J. Trade paper. Serial No. 387,509; Mar. 9. Class 38.
Norton Company, Worcester, Mass. Abrading, grinding, and lapping machines. Serial No. 386,553; Mar. 9. Class 23.
Oil Service, Incorporated, Warren, Pa. Motor lubricating oils and grease. Serial No. 385,424; Mar. 9. Class 15.
Overbrook Company, Inc., The, Baltimore, Md. Whiskey and gin. Serial No. 387,005; Mar. 9. Class 49.
Pace, Alfred L., Rochester, N. Y. Sashes. Serial No. 387,343; Mar. 9. Class 39.
Pennsylvania Distilling Co., Inc., Logansport, Pa. Whiskey. Serial No. 387,593; Mar. 9. Class 49.
Pfaltz & Bauer, Inc., New York, N. Y. Astringents, astringent cerates, beauty and bleach creams, etc. Serial No. 386,775; Mar. 9. Class 6.
Philadelphia Quartz Company, Philadelphia, Pa. Silicate or soda used in the well drilling industry. Serial No. 385,491; Mar. 9. Class 6.
Physicians' Supply Company, The. (See Charles, Jacob E.)
Pi-Sim-O Laboratories. (See Sims, Charles E.)
Pittsburgh Coal Company of Wisconsin, Minneapolis, Minn. Coal. Serial No. 386,870; Mar. 9. Class 1.
Plum, P. & S., Ltd., Copenhagen, Denmark. Cheese. Serial No. 386,776; Mar. 9. Class 46.
Popular Magazines, Inc., Greenwich, Conn. Magazines. Serial Nos. 386,691–3; Mar. 9. Class 38.
Popular Magazines, Inc., Greenwich, Conn. Magazines. Serial No. 386,908; Mar. 9. Class 38.
Power Seal Co., doing business as Power Compression Seal Co., Los Angeles, Calif. Lubricating motor oils and graphitic lubricant. Serial No. 366,873; Mar. 9. Class 15.
Pro-phy-lac-tic Brush Company, Northampton, Mass. Toilet brushes. Serial No. 387,475; Mar. 9. Class 29.
Pupukea Farm. (See Farrar, Richard J. H.)
Pyrrole Products Corporation, Portsmouth, Ohio. Quick acting cement for laying shoe soles. Serial No. 385,939; Mar. 9. Class 5.

Randall, Henry P., Birmingham, Ala. Books in the nature of directories. Serial No. 385,899; Mar. 9. Class 38.
Refiners to Dealers, Inc., Lockport, N. Y. Motor lubricating oils and greases. Serial No. 386,661; Mar. 9. Class 15.
Rex Paper Company, Kalamazoo, Mich. Coated paper. Serial No. 386,596; Mar. 9. Class 37.
Roddenbery Brothers, Cairo, Ga. Pickles, peanut butter, pickle relish, and table syrup. Serial No. 386,448; Mar. 9. Class 46.
Roddenbery, W. B., Co., Cairo, Ga. Pickles and pickle relish. Serial No. 386,450; Mar. 9. Class 46.
Rothschild, Maurice L., Incorporated, Chicago, Ill. Finished interlinings. Serial No. 381,878; Mar. 9. Class 39.
Roulements à Billes Miniatures S. A., Bienne, Switzerland. Roller and ball bearings. Serial Nos. 383,821–2; Mar. 9. Class 23.
Roycraft Clothes, Inc., New York, N. Y. Man tailored coats and suits. Serial No. 387,515; Mar. 9. Class 39.
Rusco Manufacturing Co., Milwaukee, Wis. Chromium polish which also removes rust. Serial No. 386,696; Mar. 9. Class 4.
Ruskin, Henry, doing business as Ruskin Products Company, Chicago, Ill. Splicer and covering for conductor wires. Serial No. 387,685; Mar. 9. Class 21.
Sampley, James B., Amarillo, Tex. Healing salve. Serial No. 386,173; Mar. 9. Class 6.
Schottland, A., Inc., New York, N. Y. Fabrics and piece goods. Serial No. 387,798; Mar. 9. Class 42.
Schuette, Herbert J., doing business as Finer Flavor Foods Company, Santa Monica, Calif. Canned fruits and vegetables. Serial No. 386,872; Mar. 9. Class 46.
Schwarz, Elmer H., doing business as Arch Draft Pipe Co., Detroit, Mich. Smokers' pipes. Serial No. 386,873; Mar. 9. Class 8.
Scott, Alexander A., Knoxville, Tenn. Molded parts. Serial No. 381,089; Mar. 9. Class 50.
Scruggs-Vandervoort-Barney Dry Goods Company, St. Louis, Mo. Shoes. Serial No. 386,275; Mar. 9. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Crochet cotton. Serial No. 387,801; Mar. 9. Class 43.
Security Thrift Supplies Corp., Newark, N. J. Pass books, receipts, and forms. Serial No. 387,255; Mar. 9. Class 37.
Sessa, Salvatore, doing business as Industrial Chemical Powder Co., New Haven, Conn. Rust preventing compounds for automobile radiators. Serial No. 387,289; Mar. 9. Class 6.
Shawinigan Products Corporation, New York, N. Y. Synthetic resinous material. Serial No. 383,651; Mar. 9. Class 1.
Sherer-Gillett Company, Marshall, Mich. Bakers' refrigerators. Serial No. 385,452; Mar. 9. Class 31.
Shu-Milk Products Corporation, Passaic, N. J. White shoe cleaner. Serial No. 375,101; Mar. 9. Class 4.
Silk Hosiery Nite. (See Berger, Adolph.)
Sims, Charles E., doing business as Pi-Sim-O Laboratories, Greenville, S. C. Preparation for treatment of piles. Serial No. 386,176; Mar. 9. Class 6.
Sisselman Bros., Inc., New York, N. Y. Coats and suits. Serial No. 387,529; Mar. 9. Class 39.
Sleeper Products, Inc., Chicago, Ill. Twin studio couches. Serial No. 381,789; Mar. 9. Class 32.
Smack Corporation, The, New York, N. Y. Frozen confections. Serial No. 375,064; Mar. 9. Class 46.
Società Anonima Commercio Cementi Portland, Trieste, Italy. Portland cement. Serial Nos. 385,156–7; Mar. 9. Class 12.
Somay Products, Inc., Miami, Fla. Cement-base paint in powder form. Serial No. 387,219; Mar. 9. Class 16.
Somay Products, Inc., Miami, Fla. Water paint. Serial No. 387,220; Mar. 9. Class 16.
Southern Clothing Mfgr's., Inc., Tampa, Fla. Trousers. Serial No. 387,051; Mar. 9. Class 39.
Stowe-Woodward, Inc., Newton Upper Falls, Mass. Rubber-covered rolls for machinery. Serial No. 386,506; Mar. 9. Class 23.
Strathmore Paper Company, West Springfield, Mass. Paper. Serial No. 379,716; Mar. 9. Class 37.
Strathmore Paper Company, West Springfield, Mass. Book, cover, and printing paper. Serial No. 387,223; Mar. 9. Class 37.
Streit, Aron, New York, N. Y. Matzoths. Serial No. 387,293; Mar. 9. Class 46.
Super Nu-Wash Cleanser Co. (See Giannola, Vito.)
Taber, Franklin L., Winslow, Ariz. Medicinal preparation. Serial No. 387,228; Mar. 9. Class 6.
Ten Crown Gum Co., Inc., Naugatuck, Conn. Chewing gum. Serial No. 387,765; Mar. 9. Class 46.
Tonk Bros. Co., Chicago, Ill. Concertinas and accordions, their casings, fittings, and parts. Serial No. 378,864; Mar. 9. Class 36.
Torme Products Co., Chicago, Ill. Cardboard toy gun. Serial No. 387,230; Mar. 9. Class 22.
Trinity Audit Ale Association, Ltd., The, New York, N. Y. Ale. Serial No. 387,602; Mar. 9. Class 48.
Tryon, Edw. K., Company, Philadelphia, Pa. Footballs, football shoulder pads, boxing gloves, etc. Serial No. 383,494; Mar. 9. Class 22.
Underwood Elliott Fisher Company, New York, N. Y. Typewriting machines and parts thereof. Serial No. 380,242; Mar. 9. Class 23.
United Carbon Company, Inc., Charleston, W. Va. Carbon black. Serial No. 387,603; Mar. 9. Class 9.
Universal Dental Company, Philadelphia, Pa. Artificial teeth. Serial No. 385,162; Mar. 9. Class 44.
Universal Plastics Corporation, New Brunswick, N. J. Cosmetic containers. Serial No. 384,486; Mar. 9. Class 2.
Vimpep Foods, Inc., Cambridge, Md. Canned dog food. Serial No. 387,759; Mar. 9. Class 46.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. Serial No. 387,234; Mar. 9. Class 49.
Ward Chemical & Mfg. Company, Inc., New York, N. Y. Powdered or granular soap or other powdered alkaline detergent compositions. Serial No. 386,611; Mar. 9. Class 4.
Warren Refining and Chemical Company, The, Cleveland, Ohio. Oil base penetrant water proofing filler and seal for floors and the like. Serial No. 377,072; Mar. 9. Class 16.
Webb, Lucille E., Cleveland, Ohio. Board game. Serial No. 386,918; Mar. 9. Class 22.
Weissman, Fred. P., Inc., New York, N. Y. Coats. Serial No. 387,359; Mar. 9. Class 39.
Wells-Lamont-Smith Corporation, Minneapolis, Minn. Gloves. Serial No. 387,638; Mar. 9. Class 39.
Western Waterproofing Company, Detroit, Mich. Waterproof and weatherproofing compositions. Serial No. 386,387; Mar. 9. Class 12.
Wheeler, C. H., Manufacturing Company, Philadelphia, Pa. Condensers. Serial No. 387,306; Mar. 9. Class 34.
White, H. Kirk, & Co., Oconomowoc, Wis. Mouth wash. Serial No. 387,640; Mar. 9. Class 6.
White & Wyckoff Mfg. Company, Holyoke, Mass. Writing tablets, composition books, and note-books. Serial No. 386,058; Mar. 9. Class 37.
Whittemore Bros. Corp., Cambridge, Mass. Compositions for cleaning, dressing, polishing sheet materials. Serial No. 387,155; Mar. 9. Class 4.
Wizard, Inc., Chicago, Ill. Glass cleaning preparations. Serial No. 386,134; Mar. 9. Class 4.
Worth, Nina, Company, The, doing business as The "Nina Worth Knok-Knok" Products, Los Angeles, Calif. Card game, base balls, ball bats, etc. Serial No. 384,280; Mar. 9. Class 22.
Wyomissing Glazed Paper Company, West Reading, Pa. Non-curling flint glazed papers, duplex papers, etc. Serial No. 387,722; Mar. 9. Class 37.
Yale & Towne Manufacturing Company, The, Stamford, Conn. Locks. Serial No. 387,570; Mar. 9. Class 25.
Young, Edward, & Co. Limited, London and Liverpool, England. Jamaica rum. Serial No. 387,527; Mar. 9. Class 49.
Zeiss, Carl, Jena, Germany. Photographic, microphotographic, projecting, and microscope objectives. Serial No. 387,607; Mar. 9. Class 26.
Zelle, Adolph G., Elkhart, Ind. Foot ball toy. Serial No. 381,440; Mar. 9. Class 22.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Medicinal syrup. 343,969; Mar. 9; Serial No. 384,070; published Dec. 22, 1936. Class 6.
Addressograph-Multigraph Corporation, Euclid Village, Cleveland, Ohio. Chemicals for use in planographic printing. 343,912; Mar. 9; Serial No. 382,997; published Dec. 15, 1936. Class 6.
Adell Chemical Company. (See Barowsky, Jacob L.)
Adler, Leon, doing business as Cuboker Company, Baltimore, Md. Table game or similar game. 344,077; Mar. 9; Serial No. 385,383; published Dec. 29, 1936. Class 22.
Akalyn Company, The, New Orleans, La. Medicinal preparation for the relief of pain, etc. 343,941; Mar. 9; Serial No. 383,707; published Dec. 29, 1936. Class 6.
Akalyn Company, The, New Orleans, La. Medicinal preparation. 343,942; Mar. 9; Serial No. 383,708; published Dec. 15, 1936. Class 6.
Akron Linen Products Company. (See Searer, Harold J.)
Aladdin Radio Industries, Incorporated, Chicago, Ill. Magnetic cores. 344,069; Mar. 9; Serial No. 385,170; published Dec. 29, 1936. Class 21.

Aladdin Radio Industries, Incorporated, Chicago, Ill. Radio receivers including radio frequency tuning devices. 344,070; Mar. 9; Serial No. 385,171; published Dec. 29, 1936. Class 21.

Alba Pharmaceutical Company, Inc., New York, N. Y. Cardiotonic, muscle tonic. 344,044; Mar. 9; Serial No. 384,875; published Dec. 29, 1936. Class 6.

Alien Company, The, doing business as Quadine Laboratories, Toledo, Ohio. Skin and hair conditioner for dogs, an anti-parasitic, etc. 343,985; Mar. 9; Serial No. 384,310; published Dec. 29, 1936. Class 6.

Allen, Mark W., & Co., Detroit, Mich. Astringents, astringent cerates, beauty creams, etc. 343,892; Mar. 9; Serial No. 382,415; published Dec. 15, 1936. Class 6.

Allied Kid Company, Boston, Mass. Shoe and leather dressings. 343,947; Mar. 9; Serial No. 383,796; published Dec. 22, 1936. Class 4.

Alloys Company, The. (See Merrill Metallurgical Company, assignor.)

American Acceptance Council, New York, N. Y. Magazine. 343,976; Mar. 9; Serial No. 384,178; published Dec. 8, 1936. Class 38.

American Aniline Products, Inc., New York, N. Y. Organic dyestuffs. 343,796; Mar. 9; Serial No. 370,749; published Dec. 29, 1936. Class 6.

American Automobile Association, Incorporated, Washington, D. C. Writing paper, envelopes, wrapping paper, etc. 343,877; Mar. 9; Serial No. 382,023; published Dec. 29, 1936. Class 37.

American Bleached Goods Company, Inc., New York, N. Y. Rayon piece goods. 343,830; Mar. 9; Serial No. 378,064; published Dec. 29, 1936. Class 42.

American Dirigold Corporation, The, Kokomo, Ind. Manicure instruments. 343,800; Mar. 9; Serial No. 372,193; published Dec. 29, 1936. Class 44.

American Dirigold Corporation, The, Kokomo, Ind. Metal door knobs and metal pipe fittings. 343,801; Mar. 9; Serial No. 372,194; published Dec. 29, 1936. Class 13.

American Dirigold Corporation, The, Kokomo, Ind. Sheets, rods, wire, etc. 343,802; Mar. 9; Serial No. 372,197; published Dec. 29, 1936. Class 14.

American Fire Hose Company, Philadelphia, Pa. Fire hose. 343,986; Mar. 9; Serial No. 384,312; published Dec. 29, 1936. Class 35.

American Newspapers, Inc., Washington, D. C. Column in a newspaper. 343,881; Mar. 9; Serial No. 382,108; published Dec. 22, 1936. Class 38.

American Pharmaceutical Company, Inc., New York, N. Y. Vitamin containing medicinal preparations. 344,030; Mar. 9; Serial No. 384,641; published Dec. 29, 1936. Class 6.

American Steel and Wire Company of New Jersey, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; Worcester, Mass; and Hoboken, N. J. Wire. 344,080; Mar. 9. Class 14.

American Writing Paper Co., assignor to American Writing Paper Company, Inc., Holyoke, Mass. Writing and printing paper. 115,052; renewed Jan. 23, 1937.

Anthony, Felix M., Piedmont, Calif. Spark plug. 343,828; Mar. 2; Serial No. 377,956; published Dec. 29, 1936. Class 21.

Apco Mossberg Corporation. (See Smith, Lewis R.)

Arcady Farms Milling Company, Roundout, to Arcady Farms Milling Company, Chicago, Ill. Dairy and stock feeds. 115,719; renewed Mar. 6, 1937.

Armstrong Cork Company, Pittsburgh, to Armstrong Cork Company, Lancaster, Pa. Innersoling for shoes. 116,744; renewed May 22, 1937.

Associated Distributors, Inc., Chicago, Ill. Antiperspirant, lipstick, rouge, etc. 343,897; Mar. 9; Serial No. 382,653; published Dec. 29, 1936. Class 6.

Associated Merchandising Corporation, New York, N. Y. Suits, coats, shirts, etc. 344,096; Mar. 9. Class 39.

Atlas Tack Corporation, Fairhaven, Mass. Nails and tacks. 343,993; Mar. 9; Serial No. 384,365; published Dec. 29, 1936. Class 13.

Automatic Washer Company, Newton, Iowa. Laundry washing machines. 343,907; Mar. 9; Serial No. 382,902; published Dec. 29, 1936. Class 24.

Automobile Club of Michigan, Detroit, Mich. Periodical. 343,956; Mar. 9; Serial No. 383,909; published Dec. 8, 1936. Class 38.

Bacmo Postman Corporation, New York, N. Y. Gloves. 343,919; Mar. 9; Serial No. 383,249; published Dec. 29, 1936. Class 39.

Barowsky, Jacob L., doing business as Adell Chemical Company, Holyoke, Mass. Cleansing composition. 343,957; Mar. 9; Serial No. 383,910; published Dec. 22, 1936. Class 4.

Barrett Company, The, New York, N. Y. Oil used in the processing and treatment of rubber. 343,993; Mar. 9; Serial No. 384,366; published Dec. 15, 1936. Class 6.

Barrett-Cravens Company, Chicago, Ill. Material handling equipment. 343,811; Mar. 9; Serial No. 374,611; published Dec. 29, 1936. Class 19.

Bedford Shirt Corporation, New York, N. Y. Shirts and collars. 344,099; Mar. 9. Class 39.

Bell, Raymond H., Sr., doing business as Modern Fuel Company, Columbus, Ohio. Coal. 343,959; Mar. 9; Serial No. 383,977; published Dec. 29, 1936. Class 1.

Bell Syndicate, Inc., The, New York, N. Y. Series of books and pamphlets. 343,930; Mar. 9; Serial No. 383,461; published Dec. 22, 1936. Class 38.

Benjamin, Al, & Bro. Inc., New York, N. Y. Gowns, dresses, suits, etc. 343,928; Mar. 9; Serial No. 383,460; published Dec. 29, 1936. Class 39.

Berger, Harry, New York, N. Y. Pajamas. 344,091; Mar. 9. Class 39.

Beringer Bros., Inc., St. Helena, Calif. Wines. 343,900; Mar. 9; Serial No. 382,786; published Dec. 29, 1936. Class 47.

Bireley's Incorporated, Hollywood, Calif. Pasteurizing machine. 344,067; Mar. 9; Serial No. 385,130; published Dec. 29, 1936. Class 23.

Biactol Remedy Co. (See Buckmaster, Atwood.)

Blauner's, Philadelphia, Pa. Corsets, brassières, girdles, etc. 343,882; Mar. 9; Serial No. 382,111; published Dec. 22, 1936. Class 39.

Bloomingdale Bros., Inc., New York, N. Y. Metal compacts. 343,831; Mar. 9; Serial No. 378,179; published July 28, 1936. Class 6.

Blue Seal Extract Company, Cambridge, Mass. Carbonated beverages and extracts therefor. 344,081; Mar. 9. Class 45.

Blue Seal Extract Company, Cambridge, Mass. Alcoholic beverages and extracts therefor. 344,082; Mar. 9. Class 48.

Bondall Company, The, St. Louis, Mo. Brake linings and clutch facing. 343,804; Mar. 9; Serial No. 372,953; published Dec. 29, 1936. Class 35.

Book's Shoe Company, Pittsburgh, Pa. Boots and shoes. 344,009; Mar. 9; Serial No. 384,499; published Dec. 29, 1936. Class 39.

Bourjois, A., & Co., Inc., assignor to Bourjois, Inc., New York, N. Y. Face-powder and rouge. 115,434–5; renewed Feb. 13, 1937.

Bourjois, A., & Co., Inc., assignor to Bourjois, Inc., New York, N. Y. Soap. 116,282; renewed Apr. 24, 1937.

Bourjois, A., & Co., Inc., assignor to Bourjois, Inc., New York, N. Y. Soap. 116,879; renewed June 5, 1937.

Bregstone, J. M., Chicago, Ill. Radio receiving sets and parts thereof. 343,960; Mar. 9; Serial No. 383,979; published Dec. 29, 1936. Class 21.

Bridge & Souter Co. Inc., by change of name to Smith-Canastota, Inc., Canastota, N. Y. Onions. 116,284; renewed Apr. 24, 1937.

Brilliant Brothers Company, Boston, Mass. Shoes. 344,057; Mar. 9; Serial No. 384,990; published Dec. 29, 1936. Class 39.

British Cod Liver Oil Producers (Hull) Limited, Hull, England. Preparations of cod liver oil. 343,868; Mar. 9; Serial No. 381,524; published Dec. 22, 1936. Class 6.

Bromo Sulline Drug Company. (See Peltier, J.)

Brown Durrell Co., New York, N. Y. Hosiery. 344,033; Mar. 9; Serial No. 384,700; published Dec. 29, 1936. Class 39.

Brown-Forman Distillery Company, Louisville, Ky. Whiskey, gin, rum, etc. 343,814; Mar. 9; Serial No. 375,752; published Dec. 29, 1936. Class 49.

Bruno, William A., New York, N. Y. Microphones. 343,931; Mar. 9; Serial No. 383,467; published Dec. 29, 1936. Class 21.

Buchanan, James, & Company Limited, London, England. Whisky. 343,965; Mar. 9; Serial No. 384,026; published Dec. 29, 1936. Class 49.

Buckmaster, Atwood, doing business as Biactol Remedy Co., Montpelier, Ind. Medicinal preparations. 343,833; Mar. 9; Serial No. 378,312; published Dec. 15, 1936. Class 6.

Buermann, August, Manufacturing Company, Newark, N. J., assignor to North and Judd Manufacturing Company, New Britain, Conn. Bits, spurs, stirrups, etc. 115,295; renewed Feb. 6, 1937.

Bullock's, Inc., Los Angeles, Calif. Silk hosiery. 344,111; Mar. 9. Class 39.

Burgett, Kenneth L., doing business as The K. L. Burgett Co., Peoria, Ill. Golfer's glove. 344,068; Mar. 9; Serial No. 385,131; published Dec. 29, 1936. Class 22.

Burry Biscuit Corporation, Linden, N. J. Crackers. 343,874; Mar. 9; Serial No. 381,967; published Dec. 29, 1936. Class 46.

California Fruit Growers Exchange, Los Angeles, Calif. Citrus fruits. 117,107; renewed June 19, 1937.

Callas, Lissa G., doing business as Trench-Sol Tooth Salve Company, New York, N. Y. Tooth salves. 343,920; Mar. 9; Serial No. 383,255; published Dec. 29, 1936. Class 6.

Campbell, Ralph D., doing business as Campbell Manufacturing Company, Los Angeles, Calif. Electric dishwashing machines. 343,854; Mar. 9; Serial No. 380,546; published Dec. 29, 1936. Class 23.

Capri Frocks Inc., New York, N. Y. Coats, suits, frocks, dresses, etc. 344,106; Mar. 9. Class 39.

Carnation Company, Wilmington, Del., Milwaukee and Oconomowoc, Wis., and Seattle, Wash. Salad oil. 343,847; Mar. 9; Serial No. 379,875; published Dec. 29, 1936. Class 46.

Carnation Company, Wilmington, Del., Milwaukee and Oconomowoc, Wis., and Seattle, Wash. Frosted malted milk. 344,083; Mar. 9. Class 46.

Carr Systems, Inc., New York, N. Y. Hats. 344,064; Mar. 9; Serial No. 385,088; published Dec. 29, 1936. Class 39.

Centennial Flouring Mills Co. (See Seattle Grain Co., assignor.)

Centennial Mill Co., assignor to Centennial Flouring Mills Co., Seattle, Wash. Wheat-flour. 117,517; renewed July 17, 1937.

Certified Auto Products Company, Inc., Chattanooga, Tenn. Spring leaf lubricating inserts. 344,095; Mar. 9. Class 19.

Chalkley, Lyman, doing business as Photoy Products, Bay Shore, N. Y. Plant hormones for horticultural use. 343,911; Mar. 9; Serial No. 382,982; published Dec. 29, 1936. Class 6.

Chicago Pharmacal Co., Chicago, Ill. Burn ointment. 344,010; Mar. 9; Serial No. 384,511; published Dec. 29, 1936. Class 6.

Chicago Pharmacal Co., Chicago, Ill. Compound tablet for the treatment of rheumatic and arthritic conditions. 344,011; Mar. 9; Serial No. 384,512; published Dec. 29, 1936. Class 6.

Church & Company, Limited, Northampton, England. Boots and shoes. 344,102; Mar. 9. Class 39.

Cincinnati Butchers' Supply Company, The, Cincinnati, Ohio. Cutlery, machinery, and tools and parts thereof. 117,110; renewed June 19, 1937.

Cinema Magazine Inc., New York, N. Y. Periodical magazine. 344,024; Mar. 9; Serial No. 384,581; published Dec. 15, 1936. Class 38.

Cleanprint, Incorporated, New York, N. Y. Spraying liquid. 343,879; Mar. 9; Serial No. 382,087; published Dec. 29, 1936. Class 6.

Climax Cleaner Manufacturing Company, The, Cleveland, Ohio. Cleaner for wallpaper, window shades, calcimine and fresco. 343,791; Mar. 9; Serial No. 345,047; published Mar. 19, 1935. Class 4.

Cobleskill Milling Co. Inc., The, Cobleskill, N. Y. Self-rising pancake and waffle flour, etc. 343,983; Mar. 9; Serial No. 384,283; published Dec. 29, 1936. Class 46.

Cochran, Jacqueline, doing business as Jacqueline Cochran Beauty Salon, Chicago, Ill., and J. C. Laboratories, Roselle, N. J. Cosmetics and beauty preparations. 343,838; Mar. 9; Serial No. 378,977; published Dec. 15, 1936. Class 6.

Cohen Bros. (See St. James Realty & Department Store Company.)

Colgate-Palmolive-Peet Company, Jersey City, N. J. Face powder. 343,977; Mar. 9; Ser. No. 384,195; published Dec. 15, 1936. Class 6.

Color Instrument Corporation, New York, N. Y. Face powder. 343,824–5; Mar. 9; Serial Nos. 377,456–7; published Dec. 29, 1936. Class 6.

Colorado Milling & Elevator Co. as assignee of The Model Milling & Elevator Company, Greeley and Denver, Colo., assignor to The Colorado Milling & Elevator Co., Denver, Colo. Wheat-flour. 117,576–8; renewed July 17, 1937.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. 343,846; Mar. 9; Serial No. 379,787; published Dec. 29, 1936. Class 23.

Con-Ferro Paint & Varnish Company, The, St. Louis, Mo. Paints, paint enamels, and varnishes. 343,863; Mar. 9; Serial No. 380,986; published Dec. 15, 1936. Class 16.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 343,790; Mar. 9; Serial No. 343,967; published Dec. 29, 1936. Class 49.

Cordero, Alfredo, New York, N. Y., and Ponce, P. R. Insecticides. 343,905; Mar. 9; Serial No. 382,865; published Dec. 29, 1936. Class 6.

Cosmic Products Company. (See Dickson, Cecil V.)

Cuboker Company. (See Adler, Leon.)

Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France. Perfumes, toilet waters, face and toilet powders, etc. 343,827; Mar. 9; Serial No. 377,776; published Oct. 27, 1936. Class 6.

Davis, A., & Sons, Inc., New York, N. Y. Coats. 343,871; Mar. 9; Serial No. 381,757; published Dec. 22, 1936. Class 39.

Davis Laboratories. (See Stahl, Herbert D.)

De La Varre, André, New York, N. Y. Motion picture films. 343,862; Mar. 9; Serial No. 380,947; published Dec. 29, 1936. Class 26.

Dentos Dentifrice Company, Chicago, Ill. Tooth paste. 343,970; Mar. 9; Serial No. 384,073; published Dec. 29, 1936. Class 6.

De Pew Chemical Company. (See Wing, Nelle K.)

Diamond Power Specialty Company, assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Appliance for cleaning boilers. 116,044–5; renewed Apr. 3, 1937.

Dickson, Cecil V., doing business as Cosmic Products Company, Oakland, Calif. Metal cleaning and polishing preparations. 343,943; Mar. 9; Serial No. 383,725; published Dec. 22, 1936. Class 4.

Dietz, R. E., Company, New York, N. Y. Glass globes for lanterns. 343,953; Mar. 9; Serial No. 383,877; published Dec. 29, 1936. Class 34.

Doorly, Hallie R., Saugerties Township, N. Y. Eggs. 343,890; Mar. 9; Serial No. 382,381; published Dec. 29, 1936. Class 46.

Drake Laboratories. (See Sun Ray Drug Co.)

Drew, Irving, Company, The, Portsmouth, Ohio. Boots, shoes, and slippers. 344,003–4; Mar. 9; Serial Nos. 384,450–1; published Dec. 22, 1936. Class 39.

Dry Fruit Products Corporation, Oakland, Calif. Bread and fruit concentrates in dehydrated form. 343,792; Mar. 9; Serial No. 364,127; published Dec. 29, 1936. Class 46.

Dunhill, Alfred, of London, Inc., New York, N. Y. Pocket and table electric lighters. 344,085; Mar. 9. Class 21.

Eastern Color Printing Company, Waterbury, Conn. Booklet publications. 343,821; Mar. 9; Serial No. 377,381; published Dec. 8, 1936. Class 38.

Eastern Isles Importing Co., Inc., The, New York, N. Y. Pajamas, robes, and slacks. 343,908; Mar. 9; Serial No. 382,911; published Dec. 29, 1936. Class 39.

Ehlers, Albert, assignor to Albert Ehlers, Inc., Brooklyn, N. Y. Dry groceries. 117,428; renewed July 10, 1937.

Elder & Johnston Co., The, Dayton, Ohio. Hosiery. 343,844; Mar. 9; Serial No. 379,513; published Dec. 29, 1936. Class 39.

Embury Manufacturing Company, Warsaw, N. Y. Flares burning liquid fuel. 343,981; Mar. 9; Serial No. 384,249; published Dec. 29, 1936. Class 34.

Enoz Chemical Company, Chicago, Ill. Drain pipe flush. 343,961; Mar. 9; Serial No. 383,992; published Dec. 22, 1936. Class 6.

Esterbrook Steel Pen Manufacturing Company, The, Camden, N. J. Writing and fountain pens. 343,998; Mar. 9; Serial No. 384,414; published Dec. 29, 1936. Class 37.

European Wine Exporters & Growers Agencies, Inc., New York, N. Y. Wine. 343,962; Mar. 9; Serial No. 383,994; published Dec. 29, 1936. Class 47.

European Wine Exporters & Growers Agencies, Inc., New York, N. Y. Wine. 344,097; Mar. 9. Class 47.

Ever-Dry Laboratories, Inc., Los Angeles, Calif. Toilet preparation. 344,012; Mar. 9; Serial No. 384,519; published Dec. 29, 1936. Class 6.

Fabrique de Pates de Foies Gras Edouard Artzner, Strasbourg, France. Pate de foies gras, galantine of goose liver paste. 343,851; Mar. 9; Serial No. 380,446; published Dec. 29, 1936. Class 46.

Fabrique d'Horlogerie Chs. Tissot & Fils S. A., Le Locle, Switzerland. Watches, clocks, movements, and parts thereof. 344,103; Mar. 9. Class 27.

Farber, Harold D., Binghamton, N. Y. Astringents, astringent cerates, bleach creams, etc. 343,954; Mar. 9; Serial No. 383,880; published Dec. 22, 1936. Class 6.

Farmers' Cooperative Exchange, Raleigh, N. C. Dairy, poultry, dog, etc., feed. 343,807; Mar. 9; Serial No. 373,681; published Dec. 29, 1936. Class 46.

Feinberg, Michael, doing business as Feinberg Kosher Sausage Company, Minneapolis, Minn. Household cleaner. 343,842; Mar. 9; Serial No. 379,339; published Dec. 22, 1936. Class 4.

Fields, Mary, doing business as Le Continent et Cie., Chicago, Ill. Face creams, face lotions, face tonics, etc. 343,806; Mar. 9; Serial No. 373,336; published Dec. 15, 1936. Class 6.

Filtrol Corporation, Los Angeles, Calif. Chemically treated bentonite. 343,978; Mar. 9; Serial No. 384,205; published Dec. 15, 1936. Class 6.

Fine, M., & Sons Manufacturing Co., Inc., New York, N. Y. Jackets, play suits, blouses, etc. 344,076; Mar. 9; Serial No. 385,330; published Dec. 29, 1936. Class 39.

Fisher, Louis L., doing business as Smooth Foot Co., Los Angeles, Calif. Chemical preparation for the removal of corns and callouses. 343,875; Mar. 9; Serial No. 381,981; published Dec. 15, 1936. Class 6.

"5" Spot Short Range Gun Clubs of America, The, Toledo, Ohio. Target cards for short range shooting. 343,855; Mar. 9; Serial No. 380,628; published Dec. 8, 1936. Class 22.

Forsberg Manufacturing Co., The, Bridgeport, Conn. Screw drivers, saw blades, saw frames, etc. 344,098; Mar. 9. Class 23.

Franco Corset Company, New York, N. Y. Foundation garments and girdles. 343,840; Mar. 9; Serial No. 379,239; published Dec. 29, 1936. Class 39.

Frankel, Benjamin, New York, N. Y., assignor to Jean Jordeau, Inc., South Orange, N. J. Preparation for removing hair from the body. 343,803; Mar. 9; Serial No. 372,873; published Mar. 24, 1936. Class 6.

Freeman Shoe Corporation, Beloit, Wis. Boots and shoes. 344,072; Mar. 9; Serial No. 385,225; published Dec. 29, 1936. Class 39.

Freem's Ltd., New York, N. Y. Shirts, necktles, scarfs, etc. 343,958; Mar. 9; Serial No. 383,923; published Dec. 22, 1936. Class 39.

Friedman, M. A., & Bro., assignor to Friedman Hosiery Corporation, New York, N. Y. Hosiery. 114,093; renewed Nov. 28, 1936.

Friedman, Werther, New York, N. Y. Magazine publication. 343,949; Mar. 9; Serial No. 383,833; published Dec. 15, 1936. Class 38.

Fries & Fries, Inc., Cincinnati, Ohio. Syrups, extracts, and flavoring compounds for making beverages. 343,999; Mar. 9; Serial No. 384,418; published Dec. 29, 1936. Class 45.

Fries & Fries, Inc., Cincinnati, Ohio. Tobacco, cigar, and cigarette flavoring compounds. 344,000; Mar. 9; Serial No. 384,419; published Dec. 29, 1936. Class 17.

Funston, D., Company, Chicago, Ill. Preparation for veterinary use. 343,944; Mar. 9; Serial No. 383,730; published Dec. 29, 1936. Class 6.

Gallowhur, George, Mt. Kisco, N. Y. Hair shampoo preparation. 343,991; Mar. 9; Serial No. 384,359; published Dec. 22, 1936. Class 6.

Gamble Stores, Incorporated, Minneapolis, Minn. Gas, coal, wood, etc., stoves, heaters, and heating circulators. 343,925; Mar. 9; Serial No. 383,391; published Dec. 29, 1936. Class 34.

Gardner Publications, Inc., Cincinnati, Ohio. Magazine. 343,914; Mar. 9; Serial No. 383,091; published Dec. 15, 1936. Class 38.
Garnier, Ralph L., Los Angeles, Calif. Blank printing plates. 343,860; Mar. 9; Serial No. 380,831; published Dec. 29, 1936. Class 14.
Garnier, Ralph L., Los Angeles, Calif. Photoengraved printing plates. 344,028; Mar. 9; Serial No. 384,615; published Dec. 29, 1936. Class 50.
General Desserts Corporation, New York, N. Y. Vanilla extract. 344,110; Mar. 9. Class 46.
General Foods Corporation. (See Towle Maple Products Company, The, assignor.)
General Shoe Corporation, Nashville, Tenn. Boots and shoes. 343,987; Mar. 9; Serial No. 384,326; published Dec. 29, 1936. Class 39.
Gifford Company, The, New York, N. Y. Medicine for the treatment of anemia. 344,035; Mar. 9; Serial No. 384,744; published Dec. 29, 1936. Class 6.
Goakes, Frederick W., Cleveland, Ohio. Rubber heels. 343,795; Mar. 9; Serial No. 370,465; published Dec. 29, 1936. Class 39.
Goodacre, William, & Sons, Ltd., New York, N. Y. Sisal rugs. 344,045; Mar. 9; Serial No. 384,891; published Dec. 29, 1936. Class 42.
Goshorn, Warren P., doing business as The Voice of Astrology, Kansas City, Mo. Astrological chart. 343,936; Mar. 9; Serial No. 383,575; published Dec. 15, 1936. Class 38.
Graff, William T., Jr., doing business as Park Bird House Co., White Plains, N. Y. Bird houses. 343,910; Mar. 9; Serial No. 382,976; published Dec. 29, 1936. Class 50.
Gratiot, Chester A., doing business as Krect-Shave Razor Company, Portland, Oreg. Safety razor. 343,852; Mar. 9; Serial No. 380,454; published Dec. 29, 1936. Class 23.
Greenfield Tap and Die Corporation, Greenfield, Mass. Taps. 344,065; Mar. 9; Serial No. 385,095; published Dec. 29, 1936. Class 23.
Grip Nut Company, Chicago, Ill., and South Whitley, Ind., to Grip Nut Company, Chicago, Ill. Nuts, bolts, and metal washers. 116,429; renewed May 1, 1937.
Gulf Oil Corporation, Pittsburgh, Pa. Furniture polish and auto wax. 344,052; Mar. 9; Serial No. 384,962; published Dec. 29, 1936. Class 16.
H. M. Chemical Co., Ltd., Los Angeles, Calif. Medical preparation. 343,982; Mar. 9; Serial No. 384,253; published Dec. 29, 1936. Class 6.
Haas, Leo, doing business as Hussan Products Co., New York, N. Y. Chemicals, medicines, and pharmaceutical preparations. 343,856; Mar. 9; Serial No. 380,709; published Dec. 15, 1936. Class 6.
Hale's Preparations Company, Inc., Clifton, N. J. Ointment. 343,939; Mar. 9; Serial No. 383,620; published Dec. 22, 1936. Class 6.
Hamersley Manufacturing Company, The, Garfield, N. J. Waxed paper. 343,971; Mar. 9; Serial No. 384,107; published Dec. 29, 1936. Class 37.
Harris, E. L., and Son Company, St. Louis, Mo. Cough mixture. 343,895; Mar. 9; Serial No. 382,557; published Dec. 15, 1936. Class 6.
Hart, Schaffner & Marx, Chicago, Ill. Suits, coats, overcoats, etc. 344,104; Mar. 9. Class 39.
Hat Corporation of America, Norwalk, Conn. Hats. 344,005; Mar. 9; Serial No. 384,462; published Dec. 22, 1936. Class 39.
Hat Corporation of America, Norwalk, Conn. Hats. 344,006; Mar. 9; Serial No. 384,464; published Dec. 22, 1936. Class 39.
Hearst Magazines, Inc., New York, N. Y. Magazine section. 343,812; Mar. 9; Serial No. 375,051; published Dec. 8, 1936. Class 38.
Heckel & Junge, Santa Monica, Calif. Pharmaceutical preparation. 343,808; Mar. 9; Serial No. 373,918; published Dec. 15, 1936. Class 6.
Helburn, Willard, Inc., Boston, Mass. Leather. 343,979; Mar. 9; Serial No. 384,210; published Dec. 29, 1936. Class 1.
Herb Farm, The, Chester, N. J. Condiments. 344,086; Mar. 9. Class 46.
Hercules Powder Company. (See Paper Makers Chemical Corporation, assignor.)
Herman Bag, Inc., The, New York, N. Y. Ladies' handbags. 344,047; Mar. 9; Serial No. 384,926; published Dec. 29, 1936. Class 3.
Hessin, Harriette, Hollywood, Calif. Perfumes, perfumed sachets, and perfumed dusting powders. 343,901; Mar. 9; Serial No. 382,795; published Dec. 15, 1936. Class 6.
Hilson, Alexander R. J., Hamilton, Ontario, Canada, and Niagara Falls, N. Y. Face pack. 343,869; Mar. 9; Serial No. 381,618; published Dec. 29, 1936. Class 6.
Hoffman, Carl C., Inc., St. Louis, Mo. Nail lacquer. 343,913; Mar. 9; Serial No. 383,016; published Dec. 15, 1936. Class 6.
Horse-Shoe Dog Food Co. (See Whyte Feed Mills.)
Houbigant, Inc., New York, N. Y. Perfumes, toilet water, face powder, etc. 343,980; Mar. 9; Serial No. 384,213; published Dec. 15, 1936. Class 6.
House of Fairfax, Los Angeles, Calif. Perfume, toilet water, eau de cologne, etc. 343,927; Mar. 9; Serial No. 383,433; published Dec. 15, 1936. Class 6.
Humble Oil & Refining Company, Houston, Tex. Rust removing compounds, rust preventing chemical compounds, and hydrocarbon solvents. 343,839; Mar. 9; Serial No. 379,094; published Dec. 15, 1936. Class 6.
Huron Press, Inc., The, Chicago, Ill. Imitation photographs. 343,841; Mar. 9; Serial No. 379,300; published Dec. 15, 1936. Class 38.
Hussan Products Co. (See Haas, Leo.)
Hyma, Nicholas, doing business as The Hyma Chemical Laboratories, Buckhannon, W. Va. Liquid medicinal preparation. 343,921; Mar. 9; Serial No. 383,310; published Dec. 15, 1936. Class 6.
Igoe, James T., Publishers, Inc., Chicago, Ill. Periodical publication. 343,832; Mar. 9; Serial No. 378,255; published Dec. 8, 1936. Class 38.
Imperial Candy Co., Seattle, Wash. Chocolates and bonbons. 115,890; renewed Mar. 20, 1937.
Improved Seamless Wire Company, The, assignor to Laminated Metals Corporation, Providence, R. I. Thermostatic elements and blanks therefor. 343,834; Mar. 9; Serial No. 378,486; published Dec. 29, 1936. Class 26.
J. C. Laboratories. (See Cochran, Jacqueline.)
Jackmeyer Label Corporation, New York, N. Y. Fabric labels. 343,866; Mar. 9; Serial No. 381,272; published Dec. 15, 1936. Class 38.
Jacky Dog Remedies Co. (See Romero, George.)
Jersild Knitting Company, Neenah, Wis. Sweater jackets and coats. 343,945; Mar. 9; Serial No. 383,741; published Dec. 29, 1936. Class 39.
Johnson, Robert C., West Pensacola, Fla. Prepared minced and barbequed chicken. 343,799; Mar. 9; Serial No. 371,469; published Dec. 29, 1936. Class 46.
Jordeau, Jean, Inc. (See Frankel, Benjamin, assignor.)
Jourjon, Suzanne R., Paris, France. Photographic cameras and films therefor, motion picture films and cameras, etc. 343,835; Mar. 9; Serial No. 378,569; published Dec. 29, 1936. Class 26.
Justin, H. J., & Sons, Incorporated, Fort Worth, Tex. Boots and shoes. 343,902; Mar. 9; Serial No. 382,797; published Dec. 29, 1936. Class 39.
Juvenile Shoe Corporation of America, The, Aurora and St. Louis, Mo. Shoes. 343,948; Mar. 9; Serial No. 383,809; published Dec. 22, 1936. Class 39.
Kaylooms Incorporated, Weehawken, N. J. Knitting and weaving machines. 344,058; Mar. 9; Serial No. 385,003; published Dec. 29, 1936. Class 23.
Keith, Geo. E., Company, Campello, Mass. Shoes. 344,090; Mar. 9. Class 39.
Kiefer, Julius E., Milwaukee, Wis. Smooth textile fibers curled by chemical treatment suitable for use as a yarn, thread, or fabric. 344,001; Mar. 9; Serial No. 384,424; published Dec. 29, 1936. Class 1.
Kiehl & Stevens, Inc., Orlando, Fla. Periodical magazine. 344,032; Mar. 9; Serial No. 384,692; published Dec. 15, 1936. Class 38.
Kleensan Corporation, New York, N. Y. Bidets, toilet bowls, toilet seats, etc. 344,084; Mar. 9. Class 13.
Kleinert, I. B., Rubber Company, New York, N. Y. Sanitary belts. 344,046; Mar. 9; Serial No. 384,901; published Dec. 29, 1936. Class 44.
Krect-Shave Razor Company. (See Gratiot, Chester A.)
Laing, Harrar & Chamberlin, Inc., Philadelphia, Pa. Mercerized shoe laces. 343,886; Mar. 9; Serial No. 382,189; published Dec. 29, 1936. Class 40.
Laminated Metals Corporation. (See Improved Seamless Wire Company, The, assignor.)
La Resista Corset Company, The, Bridgeport, Conn. Corsets, corselets, girdles, etc. 344,066; Mar. 9; Serial No. 385,102; published Dec. 29, 1936. Class 39.
Le Bell, Maurice, Los Angeles, Calif. De-hydrated vegetable for therapeutic use. 343,836; Mar. 9; Serial No. 378,844; published Dec. 15, 1936. Class 6.
Le Continent et Cie. (See Fields, Mary.)
Leeds & Northrup Company, Philadelphia, Pa. Pyrometers and radiation pyrometers. 344,071; Mar. 9; Serial No. 385,189; published Dec. 29, 1936. Class 26.
Les Parfums Chypron Societe Anonyme, Courbevoie/Seine, France. Shaving soap, toilet soap, glycerine soap, etc. 343,933; Mar. 9; Serial No. 383,537; published Dec. 22, 1936. Class 4.
Liberty Overall Co., doing business as Liberty Trouser Company, Birmingham, Ala. Overalls, trousers, suits, etc. 344,078; Mar. 9; Serial No. 385,591; published Dec. 29, 1936. Class 39.
Lilly, Eli, and Company, Indianapolis, Ind. Liquid iodized oil. 344,034; Mar. 9; Serial No. 384,712; published Dec. 29, 1936. Class 6.
Lisson-Melen Company, Lynn, Mass. Spring assemblies and inner springs for cushions, mattresses, etc. 343,973; Mar. 9; Serial No. 384,160; published Dec. 29, 1936. Class 32.
Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Skirts, waists, suits, etc. 343,798; Mar. 9; Serial No. 371,353; published Dec. 29, 1936. Class 39.
Lowe Brothers Company, The, Dayton, Ohio. Varnishes, enamels, lacquers, etc. 344,061; Mar. 9; Serial No. 385,050; published Dec. 29, 1936. Class 16.
Lubbers & Bell Manufacturing Company, Clinton, Iowa. Fly swatters. 344,042; Mar. 9; Serial No. 384,801; published Dec. 29, 1936. Class 50.
Lustig, Julius, doing business as Lustor Manufacturing Company, San Jose, Calif. Felt hat cleaner. 343,837; Mar. 9; Serial No. 378,870; published Dec. 22, 1936. Class 4.

Lustor Manufacturing Company. (See Lustig, Julius.)
Mack, Augustus F., Jr., doing business as Mack Brothers Products, Miramar, San Diego, Calif. Cleansing cream. 343,813; Mar. 9; Serial No. 375,333; published Dec. 29, 1936. Class 6.
Malden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. 344,053; Mar. 9; Serial No. 384,967; published Dec. 29, 1936. Class 39.
Maison Jeurelle-Seventeen, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 343,815; Mar. 9; Serial No. 375,804; published Dec. 29, 1936. Class 6.
Majestic Waving Company, Inc., Chicago, Ill. Permanent waving solutions. 344,007; Mar. 9; Serial No. 384,469; published Dec. 29, 1936. Class 6.
Mallinckrodt Chemical Works, St. Louis, Mo. Mixture containing potassium iodide. 344,036; Mar. 9; Serial No. 384,754; published Dec. 29, 1936. Class 6.
Marbon Corporation, Chicago, Ill. Adhesives. 344,059; Mar. 9; Serial No. 385,005; published Dec. 29, 1936. Class 5.
Marchand, Charles, Company, The, New York, N. Y. Golden hair wash, peroxide of hydrogen, glycozone, etc. 343,853; Mar. 9; Serial No. 380,521; published Dec. 29, 1936. Class 6.
Marshall Field & Company, Chicago, Ill. Underwear. 344,101; Mar. 9. Class 39.
Mashbir, Sidney F., Jr., Westwood, West Los Angeles, Calif. Column in a printed publication. 344,025; Mar. 9; Serial No. 384,592; published Dec. 15, 1936. Class 38.
McClanahan, James S., to W. L. McClanahan, Justin, Tex., successor. Salve. 114,998; renewed Jan. 16, 1937.
McCoy Service, Inc., New York, N. Y. Combined telephone chronometer and desk pad stands. 343,929; Mar. 9; Serial No. 383,439; published Dec. 29, 1936. Class 26.
Meinung, Robert W. A., San Diego, Calif. Medicine for acidosis condition, etc. 344,051; Mar. 9; Serial No. 384,950; published Dec. 29, 1936. Class 6.
Melrath Supply & Gasket Co., Inc., Philadelphia, Pa. Screw threaded metal plugs and flanges for steel drums and barrels. 344,089; Mar. 9. Class 50.
Merrill Metallurgical Company, assignor to The Alloys Company, San Francisco, Calif. Materials for precipitating valuable metals from hydrometallurgical solutions containing the same. 115,003; renewed Jan. 16, 1937.
Meyers, Louis, & Son, assignor to Louis Meyers & Son, Inc., New York, N. Y. Washable leather. 115,205; renewed Jan. 30, 1937.
Meyers, Louis, & Son, Inc., New York, N. Y. Gloves. 344,013; Mar. 9; Serial No. 384,546; published Dec. 22, 1936. Class 39.
Michaels, J. H., Co., New York, N. Y. Fresh oysters. 117,048; renewed June 12, 1937.
Midland Steel Products Company, The, Cleveland, Ohio. Camp and kitchen stoves and burners and parts therefor. 343,809; Mar. 9; Serial No. 374,088; published Dec. 29, 1936. Class 34.
Miller Becker Co., The, Cleveland, Ohio. Beverages and syrups, extracts, and flavors used in making the same. 344,054; Mar. 9; Serial No. 384,970; published Dec. 29, 1936. Class 45.
Mitchell, Albert, New York, N. Y. Shirts, trousers, slips, etc. 343,903; Mar. 9; Serial No. 382,801; published Dec. 29, 1936. Class 39.
Model Milling & Elevator Company, The. (See Colorado Milling & Elevator Co.)
Modern Fuel Company. (See Bell, Raymond H., Sr.)
Monarch Governor Co., by change of name to Monarch Governor Company, Detroit, Mich., assignee. Engine-governors. 114,001; renewed Nov. 14, 1936.
Monsanto Chemical Company, St. Louis, Mo. Chemical adjuvants for petroleum oils. 343,822–3; Mar. 9; Serial Nos. 377,406–7; published Dec. 15, 1936. Class 6.
Morrall, Abel, Limited, Redditch, England. Knitting pins, knitting stitch holders, crochet hooks, etc. 343,891; Mar. 9; Serial No. 382,390; published Dec. 29, 1936. Class 40.
Nathan Products Corporation, New York, N. Y. Hand bags. 344,109; Mar. 9. Class 3.
National Electrical Research and Manufacturing Company. (See Sullivan, William J.)
National Lead Company. (See Titanium Pigment Company, Inc., assignor.)
National Modes, Inc., New York, N. Y. Hosiery, fur coats, underwear, etc. 343,819; Mar. 9; Serial No. 376,771; published Dec. 29, 1936. Class 39.
National Potteries Company, Minneapolis, Minn. Chemical mixture. 343,810; Mar. 9; Serial No. 374,203; published Dec. 29, 1936. Class 16.
Nation Wide Papers, Inc., Chicago, Ill. Writing, printing, and bond paper. 343,793; Mar. 9; Serial No. 369,303; published Dec. 29, 1936. Class 37.
Needham, George W., assignor to R. A. Needham, Formosa, Ark. Liquid preparation and a salve for use in the treatment of the eyes. 117,351; renewed July 3, 1937.
Neumann, Morton G., doing business as Valmor Products Co., Chicago, Ill. Toilet soap. 343,859; Mar. 9; Serial No. 380,786; published Dec. 22, 1936. Class 4.
New-Zan Bandeau Co., Inc., New York, N. Y. Brassières. 343,994; Mar. 9; Serial No. 384,389; published Dec. 29, 1936. Class 39.
Nichols Nasal Syphon, Inc., New York, N. Y. Nasal syphons. 344,037; Mar. 9; Serial No. 384,759; published Dec. 29, 1936. Class 44.
North and Judd Manufacturing Company. (See Buermann, August, Manufacturing Company, assignor.)
North American Rayon Corporation, New York, N. Y. Thread and yarn. 343,797; Mar. 9; Serial No. 370,889; published Dec. 29, 1936. Class 43.
Nottebaum, Leopoldine. (See Noxon Chemical Products Co., Inc., assignor.)
Noxon Chemical Products Co., Inc., Newark, N. J., assignor to Leopoldine Nottebaum. Liquid, in which insecticidal and germicidal agents are dissolved, for atomization and spraying, and materials of like character in which perfumed deodorants are dissolved. 343,789; Mar. 9; Serial No. 336,955; published July 3, 1934. Class 6.
Nutritional Research Associates, Inc., South Whitley and Fort Wayne, Ind. Concentrated vitamin preparation. 343,880; Mar. 9; Serial No. 382,102; published Dec. 15, 1936. Class 6.
Omega Chemical Company, The, Brooklyn, N. Y. Nasal jelly. 344,029; Mar. 9; Serial No. 384,623; published Dec. 29, 1936. Class 6.
Oppenheim, Collins & Co. Inc., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa. Bath robes, negligees, corsets, etc. 343,984; Mar. 9; Serial No. 384,300; published Dec. 29, 1936. Class 39.
Pabst Brewing Company, Milwaukee, Wis., assignor, by mesne assignments, to Premier-Pabst Corporation, Peoria Heights, Ill. Non-alcoholic preparation. 115,862; renewed Mar. 13, 1937.
Pacific Lumber Company, The, San Francisco, Calif. Shredded redwood bark fiber. 344,014; Mar. 9; Serial No. 384,549; published Dec. 29, 1936. Class 1.
Palco Hats, Incorporated, Norwalk, Conn. Hats and caps. 344,002; Mar. 9; Serial No. 384,436; published Dec. 29, 1936. Class 39.
Paper Makers Chemical Corporation, assignor to Hercules Powder Company, Wilmington, Del. Highly concentrated sulphonated tallow. 343,923; Mar. 9; Serial No. 383,369; published Dec. 15, 1936. Class 6.
Paper Makers Chemical Corporation, assignor to Hercules Powder Company, Wilmington, Del. Sulphonated castor oil. 343,924; Mar. 9; Serial No. 383,374; published Dec. 15, 1936. Class 6.
Parfumerie Caron. (See Daltroff, E., & Cie.)
Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 343,926; Mar. 9; Serial No. 383,403; published Dec. 29, 1936. Class 6.
Parfums Irfé Ltd., London, England. Perfumes, toilet waters, and hair lotions. 343,818; Mar. 9; Serial No. 376,438; published Dec. 29, 1936. Class 6.
Park Bird House Co. (See Graff, William T., Jr.)
Parke, Davis & Company, Detroit, Mich. Topical application in the treatment of various skin infections. 343,894; Mar. 9; Serial No. 382,519; published Dec. 29, 1936. Class 6.
Pearson, Helen E., doing business as Productive Dental Co., Chicago, Ill. Dental treatment cement. 344,108; Mar. 9. Class 44.
Peerless Sport Apparel Co., Inc., New York, N. Y. Dresses, suits, sweaters, etc. 344,038; Mar. 9; Serial No. 384,760; published Dec. 29, 1936. Class 39.
Peltier, J., doing business as Bromo Sulline Drug Company, Atlanta, Ga. Anti-acid preparation. 343,848; Mar. 9; Serial No. 379,989; published Dec. 29, 1936. Class 6.
Peninsular Paint & Varnish Co., Detroit, Mich. Wall paper. 344,092; Mar. 9. Class 37.
Pepperell Manufacturing Company, Boston, Mass. Piece goods. 344,015; Mar. 9; Serial No. 384,550; published Dec. 29, 1936. Class 42.
Perfection Manufacturing Company, St. Louis, Mo. Swings and beds. 117,590; renewed July 17, 1937.
Permutit Company, The, New York, N. Y. Prepared materials used for purifying and treating water. 344,008; Mar. 9; Serial No. 384,475; published Dec. 29, 1936. Class 6.
Perry, Lloyd O., doing business as Perry Laboratories, Detroit, Mich. Ointments and lotions. 343,876; Mar. 9; Serial No. 382,019; published Dec. 15, 1936. Class 6.
Pfeiffer, S., Manufacturing Company, doing business as Virginia Chemical Co., St. Louis, Mo. Medicinal preparation. 343,988; Mar. 9; Serial No. 384,333; published Dec. 15, 1936. Class 6.
Phillips, Leo F., New York, N. Y. Buckles, slides, buttons, etc. 344,107; Mar. 9. Class 40.
Phillips Petroleum Company, Bartlesville, Okla. Containers for liquefied petroleum gas. 344,016; Mar. 9; Serial No. 384,551; published Dec. 29, 1936. Class 2.
Phoenix Oil Company, The, Cleveland, Ohio. Soluble lubricating-oils. 115,797; renewed Mar. 6, 1937.
Phoenix Oil Company, The, Cleveland, Ohio. Soluble lubricating and soluble cutting oils. 115,997; renewed Mar. 27, 1937.
Photoy Products. (See Chalkley, Lyman.)
Pitman-Moore Company, Indianapolis, Ind. Medicinal preparation. 343,883; Mar. 9; Serial No. 382,168; published Dec. 15, 1936. Class 6.

Pitman-Moore Company, Indianapolis, Ind. Medicinal preparation. 343,884; Mar. 9; Serial No. 382,170; published Dec. 15, 1936. Class 6.

Pitman-Moore Company, Indianapolis, Ind. Medicinal tablet. 343,885; Mar. 9; Serial No. 382,174; published Dec. 15, 1936. Class 6.

Pitman-Moore Company, Indianapolis, Ind. Liquid colloidal suspension. 343,946; Mar. 9; Serial No. 383,780; published Dec. 15, 1936. Class 6.

Polk Company, The, Haines, Fla. Fruit juices for food purposes. 343,950; Mar. 9; Serial No. 383,851; published Dec. 29, 1936. Class 46.

Pompeian Company, Inc., The, Bloomfield, N. J. Rolling massage cream. 343,963; Mar. 9; Serial No. 384,010; published Dec. 22, 1936. Class 6.

Popular Mechanics Company, Chicago, Ill. Periodical. 344,026; Mar. 9; Serial No. 384,595; published Dec. 15, 1936. Class 38.

Premier-Pabst Corporation. (See Pabst Brewing Company, assignor.)

Printz-Biederman Company, The, Cleveland, Ohio. Coats and suits. 344,039; Mar. 9; Serial No. 384,761; published Dec. 29, 1936. Class 39.

Productive Dental Co. (See Pearson, Helen E.)

Pulp Products Company, Inc., New York, N. Y. Moulded pulp containers and bottles and protectors for glass bottles, etc. 343,989; Mar. 9; Serial No. 384,335; published Dec. 29, 1936. Class 2.

Pure Oil Company, The, Chicago, Ill. Automobile radiator cleaning compound and preserver, compound for stopping leaks in automotive water cooling systems. 343,805; Mar. 9; Serial No. 372,995; published Dec. 22, 1936. Class 6.

Purepac Corporation, New York, N. Y. Tooth powder. 344,087; Mar. 9. Class 6.

Quadine Laboratories. (See Allen Company, The.)

Quickwork Company, The, St. Mary's, Ohio. Combined beaders and hammers, combined edging and wiring machines, combined rolls and edge-turning machines, etc. 344,073; Mar. 9; Serial No. 385,304; published Dec. 29, 1936. Class 23.

Raylite Trading Co., Inc., New York, N. Y. Device attached to the lamp sockets of Christmas tree lighting outfits to fasten the outfits to the branches of the tree. 343,951; Mar. 9; Serial No. 383,852; published Dec. 29, 1936. Class 13.

Register & Tribune Company, The, Des Moines, Iowa. Picture section of a newspaper. 344,017; Mar. 9; Serial No. 384,555; published Dec. 22, 1936. Class 38.

Rein, Reinhard, New York, N. Y. Herb tea. 343,896; Mar. 9; Serial No. 382,570; published Dec. 15, 1936. Class 6.

Roaman's Inc., New York, N. Y. Dresses and coats. 344,074; Mar. 9; Serial No. 385,305; published Dec. 29, 1936. Class 39.

Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Automatic sprinkler systems and parts. 343,826; Mar. 9; Serial No. 377,716; published Dec. 29, 1936. Class 13.

Röhm & Haas Company, Philadelphia, Pa. Plant fungicide. 344,040; Mar. 9; Serial No. 384,762; published Dec. 29, 1936. Class 6.

Romero, George, doing business as Jacky Dog Remedies Co., New York, N. Y. Medicines for dogs and puppies. 343,937; Mar. 9; Serial No. 383,600; published Dec. 22, 1936. Class 6.

Rosenthal, Abraham M., doing business as Sadin Company, Richmond, Va. Medicinal preparations. 343,873; Mar. 9; Serial No. 381,850; published Dec. 15, 1936. Class 6.

Sadin Company. (See Rosenthal, Abraham M.)

Safety Stemming Plug Company, Inc., New York, N. Y. Stemming plugs. 343,829; Mar. 9; Serial No. 378,058; published Dec. 29, 1936. Class 9.

St. James Realty & Department Store Company, doing business as Cohen Bros., Jacksonville, Fla. Shoes. 343,966; Mar. 9; Serial No. 384,051; published Dec. 22, 1936. Class 39.

Sales Associates, Ltd. Los Angeles, Calif. Permanent wave admixtures. 343,972; Mar. 9; Serial No. 384,137; published Dec. 22, 1936. Class 6.

Salis, Constantine N., doing business as Salis-Pit Co., Detroit, Mich. Herb preparation. 343,967; Mar. 9; Serial No. 384,052; published Dec. 22, 1936. Class 6.

Schaller, Carleton, & Co., Inc., New York, N. Y. Linen. 344,018–19; Mar. 9; Serial Nos. 384,560–1; published Dec. 29, 1936. Class 42.

Schloss Bros. & Co., Inc., Baltimore, Md. Suits, coats, vests, etc. 343,887; Mar. 9; Serial No. 382,283; published Dec. 22, 1936. Class 39.

Schloss Bros. & Co., Inc., Baltimore, Md. Suits, coats, vests, etc. 343,888–9; Mar. 9; Serial Nos. 382,285–6; published Dec. 22, 1936. Class 39.

Schloss Bros. & Co., Inc., Baltimore, Md. Suits, coats, vests, etc. 343,904; Mar. 9; Serial No. 382,808; published Dec. 22, 1936. Class 39.

Schloss Bros. & Co., Inc., Baltimore, Md. Suits, coats, vests, etc. 344,020–1; Mar. 9; Serial Nos. 384,563–4; published Dec. 29, 1936. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Chemises, princess slips, bloomers, etc. 344,055; Mar. 9; Serial No. 384,976; published Dec. 29, 1936. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Medicated corn pads. 343,932; Mar. 9; Serial No. 383,488; published Dec. 15, 1936. Class 6.

Schreiber, Harry, New York, N. Y. Preparation for use as a laxative drug and bitter appetizer. 343,898; Mar. 9; Serial No. 382,700; published Dec. 15, 1936. Class 6.

Schwarzwaelder Co., The, Philadelphia, Pa. Waterproofed fabrics. 343,964; Mar. 9; Serial No. 384,015; published Dec. 29, 1936. Class 50.

Scottish Grain Distilling Co., Limited, The, Glasgow, Scotland. Whisky. 344,079; Mar. 9; Serial No. 385,648; published Dec. 29, 1936. Class 49.

Seaboard Packing Corp., New York, N. Y. Canned dog food. 344,093; Mar. 9. Class 46.

Searer, Harold J., doing business as Akron Linen Products Company, Akron, Ohio. Wrist watch straps. 343,990; Mar. 9; Serial No. 384,337; published Dec. 29, 1936. Class 40.

Sears, Roebuck and Co., Chicago, Ill. Oil-engines. 115,676; renewed Feb. 27, 1937.

Sears, Roebuck and Co., Chicago, Ill. Leather shoes. 115,902; renewed Mar. 20, 1937.

Seattle Grain Co., assignor to Centennial Flouring Mills Co., Seattle, Wash. Self-rising flour. 117,613; renewed July 17, 1937.

Selby Shoe Co., The, Portsmouth, Ohio. Women's shoes. 344,048; Mar. 9; Serial No. 384,936; published Dec. 29, 1936. Class 39.

Siren Mills Corporation, Chicago, Ill. Mixing and dispensing machine electrically operated. 343,899; Mar. 9; Serial No. 382,774; published Dec. 29, 1936. Class 21.

Skiles, Burton, doing business as Skiles Hair Styles, Long Beach, Calif. Preparation used in making permanent waves in hair. 343,917; Mar. 9; Serial No. 383,235; published Dec. 15, 1936. Class 6.

Smart, Robert H., Charleston, S. C. Medical preparation for treating asthma and bronchial troubles. 343,995; Mar. 9; Serial No. 384,392; published Dec. 29, 1936. Class 6.

Smith-Canastota, Inc. (See Bridge & Souter Co. Inc.)

Smith, Lewis R., receiver for Apco Mossberg Corporation, Attleboro, Mass. Radiator cover for an automobile. 344,100; Mar. 9. Class 19.

Smooth Foot Co. (See Fisher, Louis L.)

Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. 343,843; Mar. 9; Serial No. 379,358; published Dec. 29, 1936. Class 6.

Squibb, E. R., & Sons, New York, N. Y. Antianemic preparations. 344,031; Mar. 9; Serial No. 384,681; published Dec. 29, 1936. Class 6.

Stacks Shoe Company, The, Cincinnati, Ohio. Shoes. 343,857; Mar. 9; Serial No. 380,725; published Dec. 29, 1936. Class 39.

Stadlmair, Henry, Co. Inc., New York, N. Y. Violins, string basses, cellos. 343,820; Mar. 9; Serial No. 377,199; published Dec. 29, 1936. Class 36.

Stahl, Herbert D., doing business as Davis Laboratories, Pittsburgh, Pa. Pile preparation. 344,022; Mar. 9; Serial No. 384,570; published Dec. 29, 1936. Class 6.

Standard Garment Company, Columbia, Pa., and New York, N. Y. Dresses. 343,794; Mar. 9; Serial No. 370,126; published Dec. 22, 1936. Class 39.

Standard Nut Margarine Co., Indianapolis, Ind. Oleomargarine. 343,865; Mar. 9; Serial No. 381,235; published Dec. 29, 1936. Class 46.

Stanley Fruit Co., Phoenix, Ariz. Fresh lettuce. 343,817; Mar. 9; Serial No. 376,414; published May 26, 1936. Class 46.

Stayner Laboratories Inc., Portland, Oreg. Mineral food concentrate. 344,041; Mar. 9; Serial No. 384,777; published Dec. 29, 1936. Class 6.

Stenton, David B., Detroit, Mich. Digestive tonic, mineral tonic, and digestive enzymes compound. 344,105; Mar. 9. Class 6.

Stern, Louis J., Boston, Mass., assignor, by mesne assignments, to "X" Laboratories, Inc., New York, N. Y. Composition for stopping leaks, eliminating rust, preventing corrosion of metals and scale in boilers. 115,684; renewed Feb. 27, 1937.

Street, R. R., & Co. Inc., Chicago, Ill. Cleaner for removal of soil and stains from textile fabrics. 344,023; Mar. 9; Serial No. 384,571; published Dec. 22, 1936. Class 4.

Sullivan, William J., doing business as National Electrical Research and Manufacturing Company, Washington, D. C. Electrical hearing device and parts thereof. 343,952; Mar. 9; Serial No. 383,855; published Dec. 29, 1936. Class 44.

Sunclyme House, Inc., Miami, Fla. Cosmetic preparations. 343,858; Mar. 9; Serial No. 380,726; published Dec. 15, 1936. Class 6.

Sun Ray Drug Co., doing business as Drake Laboratories, Philadelphia, Pa. Effervescent salts and tablets. 343,940; Mar. 9; Serial No. 383,655; published Dec. 29, 1936. Class 6.

Sunset Distilling Company, Chicago, Ill. Whiskies. 343,906; Mar. 9; Serial No. 382,895; published Dec. 29, 1936. Class 49.

Sunset Oil Company, Los Angeles, Calif. Monthly publication. 343,974; Mar. 9; Serial No. 384,167; published Dec. 15, 1936. Class 38.

Supplee-Biddle Hardware Co., Philadelphia, Pa. Shovels, spades, and scoops. 344,062; Mar. 9; Serial No. 385,072; published Dec. 29, 1936. Class 23.

Swan, Robert W., Jr., Rockaway Beach, N. Y. Educational word forming publications. 343,955; Mar. 9; Serial No. 383,901; published Dec. 8, 1936. Class 38.

Texas Harvest Hat Company, Laredo, Tex. Hats. 343,816; Mar. 9; Serial No. 376,148; published Dec. 22, 1936. Class 39.

Tharinger Macaroni Company, Milwaukee, Wis. Macaroni. 117,616; renewed July 17, 1937.

Thompson, Royce A., doing business as Royce A. Thompson Co., Santa Monica, Calif. Medicine for treatment of goitre. 343,922; Mar. 9; Serial No. 383,332; published Dec. 15, 1936. Class 6.

Thomson, Henry S., New York, N. Y. Attachment to be used as a magnifying line finder. 343,934; Mar. 9; Serial No. 383,551; published Dec. 29, 1936. Class 26.

Thomson Machine Company, Belleville, N. J. Dough working machines. 344,088; Mar. 9. Class 23.

Thyrodone Development Limited, Invercargill, New Zealand. Medicated preparation. 343,870; Mar. 9; Serial No. 381,736; published Dec. 29, 1936. Class 6.

Tilley, John S., Ladders Co. Inc., The, Watervliet, N. Y. Ladders. 116,992; renewed June 5, 1937.

Titanium Pigment Company, Inc., Niagara Falls, N. Y., assignor to National Lead Company, New York, N. Y. Pigments. 117,382; renewed July 3, 1937.

Tobey-Fine Papers, Inc., St. Louis, Mo. Bond paper and writing paper. 343,867; Mar. 9; Serial No. 381,470; published Dec. 29, 1936. Class 37.

Tokalon Chemical Corporation, New York, N. Y. Face powder and skin cream. 343,938; Mar. 9; Serial No. 383,605; published Dec. 29, 1936. Class 6.

Toledo Glove Manufacturing Company, The, Toledo, Ohio. Gloves and gauntlets. 343,861; Mar. 9; Serial No. 380,892; published Dec. 22, 1936. Class 39.

Towle Maple Products Company, The, Wilmington, Del., and St. Paul, Minn., assignor to General Foods Corporation, New York, N. Y. Syrup and molasses. 115,693; renewed Feb. 27, 1937.

Treesweet Products Co., Los Angeles, Calif. Canned orange juice. 344,027; Mar. 9; Serial No. 384,603; published Dec. 29, 1936. Class 46.

Trench-Sol Tooth Salve Company. (See Callas, Litsa G.)

Trippe Manufacturing Company, Chicago, Ill. Electric head lamp for vehicles. 344,075; Mar. 9; Serial No. 385,315; published Dec. 29, 1936. Class 21.

Ulrici Medicine Company, Inc., The, New York, N. Y. Preparations useful as an aid to convalescence from illness, as tonics, etc. 343,845; Mar. 9; Serial No. 379,723; published Dec. 15, 1936. Class 6.

United States Gypsum Company, Chicago, Ill. Calcimine. 344,060; Mar. 9; Serial No. 385,018; published Dec. 29, 1936. Class 16.

United States Rubber Products, Inc., New York, N. Y. Compositions consisting largely of concentrated rubber latex. 344,049; Mar. 9; Serial No. 384,939; published Dec. 29, 1936. Class 1.

United States Rubber Products, Inc., New York, N. Y. Rain coats. 344,050; Mar. 9; Serial No. 384,940; published Dec. 29, 1936. Class 39.

United States Shoe Corporation, The, Cincinnati, Ohio. Shoes. 343,968; Mar. 9; Serial No. 384,060; published Dec. 22, 1936. Class 39.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 343,909; Mar. 9; Serial No. 382,970; published Dec. 15, 1936. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Yeast concentrate preparation. 343,996; Mar. 9; Serial No. 384,395; published Dec. 29, 1936. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Suspension of sulfides. 343,997; Mar. 9; Serial No. 384,396; published Dec. 29, 1936. Class 6.

Valmor Products Co. (See Neumann, Morton G.)

Vanata, Joseph F., Chicago, Ill. Preparation for the treatment of tired and sore muscles, etc. 344,043; Mar. 9; Serial No. 384,825; published Dec. 29, 1936. Class 6.

Vermont Marble Company, Proctor, Vt. Processed blue marble. 343,915; Mar. 9; Serial No. 383,149; published Dec. 29, 1936. Class 1.

Vermont Marble Company, Proctor, Vt. Processed gray marble. 343,916; Mar. 9; Serial No. 383,150; published Dec. 29, 1936. Class 1.

Virginia Chemical Co. (See Pfeiffer, S., Manufacturing Company.)

Virginia Rubatex Corporation, Bedford, Va., and Jersey City, N. J. Seat cushions. 344,056; Mar. 9; Serial No. 384,936; published Dec. 29, 1936. Class 32.

Voice of Astrology, The. (See Goshorn, Warren P.)

Wabash Appliance Corp., New York, N. Y. Incandescent lamp or bulbs used in photography. 343,849; Mar. 9; Serial No. 380,417; published Dec. 29, 1936. Class 26.

Walker-Turner Company, Inc., Plainfield, N. J. Machine tools. 343,864; Mar. 9; Serial No. 381,010; published Dec. 29, 1936. Class 23.

Wallace, Abbe, Products Company, Atlanta, Ga. Cocoanut oil shampoo, almond beauty lotion, lemon cleansing cream, etc. 343,872; Mar. 9; Serial No. 381,795; published Dec. 29, 1936. Class 6.

Walsh, Christy, doing business as The Christy Walsh Syndicate, New York, N. Y. Newspaper articles. 343,878; Mar. 9; Serial No. 382,080; published Dec. 22, 1936. Class 38.

Ward Baking Company, New York, N. Y. Bread. 115,706; renewed Feb. 27, 1937.

Warren, Northam, Corporation, New York, N. Y. Manicure-buffers, emery-boards, manicure-sticks, etc. 117,584; renewed July 17, 1937.

Warren-Teed Products Company, The, Columbus, Ohio. Medical preparation. 343,975; Mar. 9; Serial No. 384,172; published Dec. 29, 1936. Class 6.

Weber, David, & Co., Philadelphia, Pa. Boxes. 344,094; Mar. 9. Class 2.

West Disinfecting Company, New York, N. Y., to West Disinfecting Company, Long Island City, N. Y. Animal dips and disinfectants. 116,105; renewed Apr. 3, 1937.

Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Chocolates and candy. 117,496; renewed July 10, 1937.

Whyte Feed Mills, doing business as Horse-Shoe Dog Food Co., Pine Bluff, Ark. Dog food. 343,850; Mar. 9; Serial No. 380,428; published Dec. 29, 1936. Class 46.

Wing, Nelle K., doing business as DePew Chemical Company, Kansas City, Mo. Eye medicines. 343,893; Mar. 9; Serial No. 382,456; published Dec. 22, 1936. Class 6.

Wix, A. & M., London, England. Cigarettes. 343,918; Mar. 9; Serial No. 383,245; published Dec. 29, 1936. Class 17.

Wyler & Company, Chicago, Ill. Prepared powder for making soft drinks. 344,063; Mar. 9; Serial No. 385,080; published Dec. 29, 1936. Class 45.

Wyomissing Glazed Paper Company, West Reading, Pa. Non-curling flint glazed papers, fast-to-light non-curling flint glazed papers, duplex papers, etc. 343,935; Mar. 9; Serial No. 383,560; published Dec. 29, 1936. Class 37.

"X" Laboratories, Inc. (See Stern, Louis J., assignor.)

LIST OF REGISTRANTS OF LABELS

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Pepsin Beechies. For Chewing Gum. 49,050; Mar. 9.

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Spearmint Beechies. For Chewing Gum. 49,051; Mar. 9.

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Tops. For Crackers. 49,052; Mar. 9.

Brill, H. C., Company, Inc., Newark, N. J. Brill's Spaghetti Sauce. For Spaghetti Sauce. 49,053; Mar. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. J. M. Bench Made Shoes. For Shoes. 49,054; Mar. 9.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Quality Shoes—Chase's Cushion Comfort. For Shoes. 49,055; Mar. 9.

Clover Farm Stores Corporation, Cleveland, Ohio. Clover Farm Wheatmeal. For Breakfast Cereal. 49,056; Mar. 9.

Cope, Martin H., & Son, Rheems, Pa. Martin H. Cope's. For Evaporated Sweet Corn. 49,057; Mar. 9.

Cotton Specialty Co., Chicago, Ill. The Slippon Mop. For Mops. 49,058; Mar. 9.

Dexdale Hosiery Mills, Lansdale, Pa. One Hundred Grand. For Silk Stockings. 49,059; Mar. 9.

Godde & Messenger, Inc., Battle Creek, Mich. Ritzee Hamburgs. For Hamburgs. 49,060; Mar. 9.

Grand Rapids Brewing Company, Grand Rapids, Mich. Lake State. For Beer. 49,061; Mar. 9.

Hoague-Sprague Corporation, Lynn, Mass. Feather Tred Footwear. For Boxes. 49,062; Mar. 9.

Holly Hill Fruit Products, Inc., Davenport, Fla. Holly Hill. For Blended Orange and Grapefruit Juice. 49,063; Mar. 9.

Holly Hill Fruit Products, Inc., Davenport, Fla. Holly Hill. For Canned Grapefruit. 49,064; Mar. 9.

Holly Hill Fruit Products, Inc., Davenport, Fla. Holly Hill. For Canned Grapefruit and Oranges for Salad. 49,065; Mar. 9.

Kelley Baking Company, Inc., Syracuse, N. Y. Kelley's Quality. For Bread. 49,066; Mar. 9.

Maine Canned Foods, Inc., Portland, Maine. Puritan Original Dutch Oven Baked Beans. For Baked Beans. 49,067; Mar. 9.

Maine Canned Foods, Inc., Portlaind, Maine. Puritan Old Fashioned Fruit Pudding. For Fruit Pudding. 49,068; Mar. 9.

New England Confectionery Company, Cambridge, Mass. Necco Chocolate Ice Cream Drops. For Chocolate Ice Cream Drops. 49,069; Mar. 9.

Rose, L., & Co., Ltd., Bloomfield, N. J. Limey Syrup. For Sweetened Lime Juice Syrup. 49,070; Mar. 9.
Vimpep Foods, Inc., Cambridge, Md. Always on Top. For Dog Food. 49,071; Mar. 9.
Wholesalers Fabrics Corp. of America, New York, N. Y. Silver Star. Guaranteed Dress Fabrics. $1.00. For Dress Fabrics. 49,072; Mar. 9.

Wholesalers Fabrics Corp. of America, New York, N. Y. Silver Star. Guaranteed Dress Lengths. $1.98. For Dress Lengths. 49,073; Mar. 9.

Wholesalers Fabrics Corp. of America, New York, N. Y. Silver Star. Guaranteed Dress Lengths. Supreme $2.98 Quality. For Dress Lengths. 49,074; Mar. 9.

LIST OF REGISTRANTS OF PRINTS

Danciger Oil & Refineries, Inc., Tulsa, Okla. Specification Sealed Gasoline. For Gasoline. 16,105; Mar. 9.
Faucetqueen Company. (See Lehman, Carl E.)
Godde & Messenger, Inc., Battle Creek, Mich. Ritzee Hamburgs. For Hamburgs. 16,106; Mar. 9.
Holeproof Hosiery Co., Milwaukee, Wis. New! Sock with Garter Attach . . . Pacer . . . By Holeproof. For Socks with Garters Attached. 16,107; Mar. 9.

Lehman, Carl E., doing business as Faucetqueen Company, Chicago, Ill. Spray or Stream in One. For Faucet Attachment. 16,108; Mar. 9.
Tender Krust Baking Company, Eau Claire, Wis. Tender Krust Bread. For Bread. 16,109; Mar. 9.
Triangle Mechanical Laboratories Corp., Brooklyn, N. Y. Navy Blue Razor Blades for Double Edge Razors. For Safety Razor Blades. 16,110; Mar. 9.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. R. H. Bell, Sr. 343,959; Mar. 9; Serial No. 383,977; published Dec. 29, 1936.
Compositions consisting largely of concentrated rubber latex. United States Rubber Products, Inc. 344,049; Mar. 9; Serial No. 384,939; published Dec. 29, 1936.
Leather. Willard Helburn, Inc. 343,979; Mar. 9; Serial No. 384,210; published Dec. 29, 1936.
Leather, Washable. Louis Meyers & Son. 115,205; renewed Jan. 30, 1937.
Marble, Processed blue. Vermont Marble Company. 343,915; Mar. 9; Serial No. 383,149; published Dec. 29, 1936.
Marble, Processed gray. Vermont Marble Company. 343,916; Mar. 9; Serial No. 383,150; published Dec. 29, 1936.
Redwood bark fiber, Shredded. Pacific Lumber Company. 344,014; Mar. 9; Serial No. 384,549; published Dec. 29, 1936.
Textile fibers, curled by chemical treatment suitable for use as a yarn, thread, or fabric, Smooth. J. E. Kiefer. 344,001; Mar. 9; Serial No. 384,424; published Dec. 29, 1936.

CLASS 2

Boxes. David Weber & Co. 344,094; Mar. 9.
Containers and bottles and protectors for glass bottles, etc., Moulded pulp. Pulp Products Company. 343,989; Mar. 9; Serial No. 384,335; published Dec. 29, 1936.
Containers for liquefied petroleum gas. Phillips Petroleum Company. 344,016; Mar. 9; Serial No. 384,551; published Dec. 29, 1936.

CLASS 3

Bags, Hand. Nathan Products Corporation. 344,109; Mar. 9.
Bits, spurs, stirrups, etc. August Buermann Manufacturing Company. 115,295; renewed Feb. 6, 1937.
Handbag, Ladies'. Herman Bag, Inc. 344,047; Mar. 9; Serial No. 384,926; published Dec. 29, 1936.

CLASS 4

Cleaner, Felt hat. J. Lustig. 343,837; Mar. 9; Serial No. 378,870; published Dec. 22, 1936.
Cleaner for removal of soil and stains from textile fabrics. R. R. Street & Co. Inc. 344,023; Mar. 9; Serial No. 384,571; published Dec. 22, 1936.
Cleaner for wallpaper, window shades, Calcimine and fresco. Climax Cleaner Manufacturing Company. 343,791; Mar. 9; Serial No. 345,047; published Mar. 19, 1935.
Cleaner, Household. M. Feinberg. 343,842; Mar. 9; Serial No. 379,339; published Dec. 22, 1936.
Cleaning and polishing preparations, Metal. C. V. Dickson. 343,943; Mar. 9; Serial No. 383,725; published Dec. 22, 1936.
Cleansing composition. J. L. Barowsky. 343,957; Mar. 9; Serial No. 383,910; published Dec. 22, 1936.
Shoe and leather dressings. Allied Kid Company. 343,947; Mar. 9; Serial No. 383,796; published Dec. 22, 1936.
Soap. A. Bourjois & Co. 116,282; renewed Apr. 24, 1937.
Soap. A. Bourjois & Co. 116,879; renewed June 5, 1937.
Soap, Toilet. M. G. Neumann. 343,859; Mar. 9; Serial No. 380,786; published Dec. 22, 1936.
Soap, toilet soap, glycerine soap, etc., Shaving. Les Parfums Chypron Societe Anonyme. 343,933; Mar. 9; Serial No. 383,537; published Dec. 22, 1936.

CLASS 5

Adhesives. Marbon Corporation. 344,059; Mar. 9; Serial No. 385,005; published Dec. 29, 1936.

CLASS 6

Animal dips and disinfectants. West Disinfecting Company. 116,105; renewed Apr. 3, 1937.
Anti-acid preparation. J. Peltier. 343,848; Mar. 9; Serial No. 379,989; published Dec. 29, 1936.
Antianemic preparations. E. R. Squibb & Sons. 344,031; Mar. 9; Serial No. 384,681; published Dec. 29, 1936.
Anti-perspirant, lipstick, rouge, etc. Associated Distributors, Inc. 343,897; Mar. 9; Serial No. 382,653; published Dec. 29, 1936.
Astringent, astringent cerates, beauty creams, etc. Mark W. Allen & Co. 343,892; Mar. 9; Serial No. 382,415; published Dec. 15, 1936.
Astringents, astringent cerates, bleach creams, etc. H. D. Farber. 343,954; Mar. 9; Serial No. 383,880; published Dec. 22, 1936.
Astringents, astringent cerates, bleach creams, etc. Maison Jeurelle-Seventeen, Inc. 343,815; Mar. 9; Serial No. 375,804; published Dec. 29, 1936.
Astringents, astringent cerates, bleach creams, etc. Parfumerie St. Denis. 343,926; Mar. 9; Serial No. 383,403; published Dec. 29, 1936.
Bentonite, Chemically treated. Filtrol Corporation. 343,978; Mar. 9; Serial No. 384,205; published Dec. 15, 1936.
Cardiotonic, muscle tonic. Alba Pharmaceutical Company. 344,044; Mar. 9; Serial No. 384,875; published Dec. 29, 1936.
Castor oil, Sulphonated. Paper Makers Chemical Corporation. 343,924; Mar. 9; Serial No. 383,374; published Dec. 15, 1936.
Chemical adjuvants for petroleum oils. Monsanto Chemical Company. 343,822–3; Mar. 9; Serial No. 377,406–7; published Dec. 15, 1936.
Chemical preparation of the removal of corns and callouses. L. L. Fisher. 343,875; Mar. 9; Serial No. 381,981; published Dec. 15, 1936.
Chemicals for use in planographic printing. Addressograph-Multigraph Corporation. 343,912; Mar. 9; Serial No. 382,997; published Dec. 15, 1936.
Chemicals, medicines, and pharmaceutical preparations. L. Haas. 343,856; Mar. 9; Serial No. 380,709; published Dec. 15, 1936.
Cleaning compound and preserver, compound for stopping leaks in water cooling systems, Automobile radiator. Pure Oil Company. 343,805; Mar. 9; Serial No. 372,995; published Dec. 22, 1936.
Cod liver oil, Preparations of. British Cod Liver Oil Producers (Hull) Limited. 343,868; Mar. 9; Serial No. 381,524; published Dec. 22, 1936.
Colloidal suspension, Liquid. Pitman-Moore Company. 343,946; Mar. 9; Serial No. 383,780; published Dec. 15, 1936.
Compacts, Metal. Bloomingdale Bros., Inc. 343,831; Mar. 9; Serial No. 378,179; published July 28, 1936.
Composition for stopping leaks, eliminating rust, preventing corrosion of metals and scale in boilers. L. J. Stern. 115,684; renewed Feb. 27, 1937.
Corn pads, Medicated. Scholl Mfg. Co. 343,932; Mar. 9; Serial No. 383,488; published Dec. 15, 1936.
Cosmetic preparations. Sunclyme House, Inc. 343,858; Mar. 9; Serial No. 380,726; published Dec. 15, 1936.
Cosmetics and beauty preparations. J. Cochran. 343,838; Mar. 9; Serial No. 378,977; published Dec. 15, 1936.
Cough mixture. E. L. Harris and Son Company. 343,895; Mar. 9; Serial No. 382,557; published Dec. 15, 1936.
Cream, Cleansing. A. F. Mack, Jr. 343,813; Mar. 9; Serial No. 375,333; published Dec. 29, 1936.
Cream, Rolling massage. Pompeian Company. 343,963; Mar. 9; Serial No. 384,010; published Dec. 22, 1936.
Creams, face lotions, face tonics, etc., Face. M. Fields. 343,806; Mar. 9; Serial No. 373,336; published Dec. 15, 1936.

Drain pipe flush. Enoz Chemical Company. 343,961; Mar. 9; Serial No. 383,992; published Dec. 22, 1936.
Dyestuffs, Organic. American Aniline Products, Inc. 343,796; Mar. 9; Serial No. 370,749; published Dec. 29, 1936.
Face pack. A. R. J. Hilson. 343,869; Mar. 9; Serial No. 381,618; published Dec. 29, 1936.
Hair wash, peroxide of hydrogen, glycozone, etc., Golden. Charles Marchand Company. 343,853; Mar. 9; Serial No. 380,521; published Dec. 29, 1936.
Herb preparation. C. N. Salis. 343,967; Mar. 9; Serial No. 384,052; published Dec. 22, 1936.
Herb tea. R. Rein. 343,896; Mar. 9; Serial No. 382,570; published Dec. 15, 1936.
Hormones for horticultural use, Plant. L. Chalkley. 343,911; Mar. 9; Serial No. 382,982; published Dec. 29, 1936.
Insecticides. A. Cordero. 343,905; Mar. 9; Serial No. 382,865; published Dec. 29, 1936.
Liquid, in which insecticidal and germicidal agents are dissolved, for atomization and spraying, and materials of like character in which perfumed deodorants are dissolved. Noxon Chemical Products Co. 343,789; Mar. 9; Serial No. 33,695–5; published July 3, 1934.
Liquid, Spraying. Cleanprint, Incorporated. 343,879; Mar. 9; Serial No. 382,087; published Dec. 29, 1936.
Materials for precipitating valuable metals from hydrometallurgical solutions containing the same. Merrill Metallurgical Company. 115,003; renewed Jan. 16, 1937.
Materials used for purifying and treating water, Prepared. Permutit Company. 344,008; Mar. 9; Serial No. 384,475; published Dec. 29, 1936.
Medical preparation. H. M. Chemical Co. 343,982; Mar. 2; Serial No. 384,253; published Dec. 29, 1936.
Medical preparation. Warren-Teed Products Company. 343,975; Mar. 9; Serial No. 384,172; published Dec. 29, 1936.
Medical preparation for treating asthma and bronchial trouble. R. H. Smart. 343,995; Mar. 9; Serial No. 384,392; published Dec. 29, 1936.
Medicated preparation. Thyrodone Development Limited. 343,870; Mar. 9; Serial No. 381,736; published Dec. 29, 1936.
Medicinal preparation. Akalyn Company. 343,942; Mar. 9; Serial No. 383,708; published Dec. 15, 1936.
Medicinal preparation. S. Pfeiffer Manufacturing Company. 343,988; Mar. 9; Serial No. 384,333; published Dec. 15, 1936.
Medicinal preparation. Pitman-Moore Company. 343,883; Mar. 9; Serial No. 382,186; published Dec. 15, 1936.
Medicinal preparation. Pitman-Moore Company. 343,884; Mar. 9; Serial No. 382,170; published Dec. 15, 1936.
Medicinal preparation. Upjohn Company. 343,909; Mar. 9; Serial No. 382,970; published Dec. 15, 1936.
Medicinal preparation for the relief of pain, etc. Akalyn Company. 343,941; Mar. 9; Serial No. 383,707; published Dec. 29, 1936.
Medicinal preparation, Liquid. N. Hyma. 343,921; Mar. 9; Serial No. 383,310; published Dec. 15, 1936.
Medicinal preparations. A. Buckmaster. 342,833; Mar. 9; Serial No. 378,312; published Dec. 15, 1936.
Medicinal preparations. A. M. Rosenthal. 343,873; Mar. 9; Serial No. 381,850; published Dec. 15, 1936.
Medicinal preparations, Vitamin containing. American Pharmaceutical Company. 344,030; Mar. 9; Serial No. 384,641; published Dec. 29, 1936.
Medicinal tablet. Pitman-Moore Company. 343,885; Mar. 9; Serial No. 382,174; published Dec. 15, 1936.
Medicine for acidosis condition, etc. R. W. A. Meinung. 344,051; Mar. 9; Serial No. 384,950; published Dec. 29, 1936.
Medicine for the treatment of anemia. Gifford Company. 344,035; Mar. 9; Serial No. 384,744; published Dec. 29, 1936.
Medicine for treatment of goitre. R. A. Thompson. 343,922; Mar. 9; Serial No. 383,332; published Dec. 15, 1936.
Medicines, Eye. N. K. Wing. 343,893; Mar. 9; Serial No. 382,456; published Dec. 22, 1936.
Medicines for dogs and puppies. G. Romero. 343,937; Mar. 9; Serial No. 383,600; published Dec. 22, 1936.
Mineral food concentrate. Stayner Laboratories Inc. 344,041; Mar. 9; Serial No. 384,777; published Dec. 29, 1936.
Nail lacquer. Carl C. Hoffman, Inc. 343,913; Mar. 9; Serial No. 383,016; published Dec. 15, 1936.
Nasal jelly. Omega Chemical Company. 344,029; Mar. 9; Serial No. 384,623; published Dec. 29, 1936.
Oil, Liquid iodized. Eli Lilly and Company. 344,034; Mar. 9; Serial No. 384,712; published Dec. 29, 1936.
Oil used in the processing and treatment of rubber. Barrett Company. 343,993; Mar. 9; Serial No. 384,366; published Dec. 15, 1936.
Ointment. Hale's Preparations Company. 343,939; Mar. 9; Serial No. 383,620; published Dec. 22, 1936.
Ointment, Burn. Chicago Pharmacal Co. 344,010; Mar. 9; Serial No. 384,511; published Dec. 29, 1936.
Ointments and lotions. L. O. Perry. 343,876; Mar. 9; Serial No. 382,019; published Dec. 15, 1936.

Perfume, toilet water, eau de cologne, etc. House of Fairfax. 343,927; Mar. 9; Serial No. 383,433; published Dec. 15, 1936.
Perfumes, perfumed sachets, and perfumed dusting powders. H. Hessin. 343,901; Mar. 9; Serial No. 382,795; published Dec. 15, 1936.
Perfumes, toilet water, face powder, etc. Houbigant, Inc. 343,980; Mar. 9; Serial No. 384,213; published Dec. 15, 1936.
Perfumes, toilet waters, and hair lotions. Parfums Irfé Ltd. 343,818; Mar. 9; Serial No. 376,438; published Dec. 29, 1936.
Perfumes, toilet waters, face and toilet powders, etc. E. Daltroff & Cie. 343,827; Mar. 9; Serial No. 377,776; published Oct. 27, 1936.
Permanent wave admixtures. Sales Associates, Ltd. 343,972; Mar. 9; Serial No. 384,137; published Dec. 22, 1936.
Pharmaceutical preparation. Heckel & Junge. 343,808; Mar. 9; Serial No. 373,918; published Dec. 15, 1936.
Pigments. Titanium Pigment Company. 117,382; renewed July 3, 1937.
Pile preparation. H. D. Stahl. 344,022; Mar. 9; Serial No. 384,570; published Dec. 29, 1936.
Plant fungicide. Röhm & Haas Company. 344,040; Mar. 9; Serial No. 384,762; published Dec. 29, 1936.
Potassium iodide, Mixture containing. Mallinckrodt Chemical Works. 344,036; Mar. 9; Serial No. 384,754; published Dec. 29, 1936.
Powder and rouge, Face. A. Bourjois & Co. 115,434–5; renewed Feb. 13, 1937.
Powder and skin cream, Face. Tokalon Chemical Corporation. 343,938; Mar. 9; Serial No. 383,605; published Dec. 29, 1936.
Powder, Face. Colgate-Palmolive-Peet Company. 343,977; Mar. 9; Serial No. 384,195; published Dec. 15, 1936.
Powder, Face. Color Instrument Corporation. 343,824–5; Mar. 9; Serial Nos. 377,456–7; published Dec. 29, 1936.
Preparation and a salve for use in the treatment of the eyes, Liquid. G. W. Needham. 117,351; renewed July 3, 1937.
Preparation for removing hair from the body. B. Frankel. 343,803; Mar. 9; Serial No. 372,873; published Mar. 24, 1936.
Preparation for the treatment of tired and sore muscles, etc. J. F. Vanata. 344,043; Mar. 9; Serial No. 384,825; published Dec. 29, 1936.
Preparation for use as a laxative, drug and bitter appetizer. H. Schreiber. 343,898; Mar. 9; Serial No. 382,700; published Dec. 15, 1936.
Preparation for veterinary use. D. Funston Company. 343,944; Mar. 9; Serial No. 383,730; published Dec. 29, 1936.
Preparation used in making permanent waves in hair. B. Skiles. 343,917; Mar. 9; Serial No. 383,235; published Dec. 15, 1936.
Preparations useful as an aid to convalescence from illness, as tonics, etc. Ulrici-Medicine Company. 343,845; Mar. 9; Serial No. 379,723; published Dec. 15, 1936.
Rust removing compounds, rust preventing chemical compounds, and hydrocarbon solvents. Humble Oil & Refining Company. 343,839; Mar. 9; Serial No. 379,094; published Dec. 15, 1936.
Salts and tablets, Effervescent. Sun Ray Drug Co. 343,940; Mar. 9; Serial No. 383,655; published Dec. 29, 1936.
Salve. J. S. McClanahan. 114,998; renewed Jan. 16, 1937.
Salve, Tooth. L. G. Callas. 343,920; Mar. 9; Serial No. 383,255; published Dec. 29, 1936.
Shampoo, almond beauty lotion, lemon cleansing cream, etc., Cocoanut oil. Abbe Wallace Products Company. 343,872; Mar. 9; Serial No. 381,795; published Dec. 29, 1936.
Shampoo preparation, Hair. G. Gallowhur. 343,991; Mar. 9; Serial No. 384,359; published Dec. 22, 1936.
Skin and hair conditioner for dogs, an anti-parasitic, etc. Allen Company. 343,985; Mar. 9; Serial No. 384,310; published Dec. 29, 1936.
Sulfides, Suspension of. Upjohn Company. 343,997; Mar. 9; Serial No. 384,396; published Dec. 29, 1936.
Syrup, Medicinal. Abbott Laboratories. 343,969; Mar. 9; Serial No. 384,070; published Dec. 22, 1936.
Tablet for the treatment of rheumatic and arthritic conditions, Compound. Chicago Pharmacal Co. 344,011; Mar. 9; Serial No. 384,512; published Dec. 29, 1936.
Tallow, Highly concentrated sulphonated. Paper Makers Chemical Corporation. 343,923; Mar. 9; Serial No. 383,369; published Dec. 15, 1936.
Toilet preparation. Ever-Dry Laboratories, Inc. 344,012; Mar. 9; Serial No. 384,519; published Dec. 29, 1936.
Tonic, mineral tonic, and digestive enzymes compound, Digestive. D. B. Stenton. 344,105; Mar. 9.
Tooth paste. Dentos Dentifrice Company. 343,970; Mar. 9; Serial No. 384,073; published Dec. 29, 1936.
Tooth powder. Purepac Corporation. 344,087; Mar. 9.
Topical application in the treatment of various skin infections. Parke, Davis & Company. 343,894; Mar. 9; Serial No. 382,519; published Dec. 29, 1936.
Vegetable for therapeutic use, De-hydrated. M. Le Bell. 343,836; Mar. 9; Serial No. 378,844; published Dec. 15, 1936.

Vitamin preparation, Concentrated. Nutritional Research Associates, Inc. 343,880; Mar. 9; Serial No. 382,102; published Dec. 15, 1936.
Vitaminic preparations. E. R. Squibb & Sons. 343,843; Mar. 9; Serial No. 379,358; published Dec. 29, 1936.
Waving solutions, Permanent. Majestic Waving Company. 344,007; Mar. 9; Serial No. 384,469; published Dec. 29, 1936.
Yeast concentrate preparation. Upjohn Company. 343,996; Mar. 9; Serial No. 384,395; published Dec. 29, 1936.

CLASS 9

Plugs, Stemming. Safety Stemming Plug Company. 343,829; Mar. 9; Serial No. 378,058; published Dec. 29, 1936.

CLASS 13

Bidets, toilet bowls, toilet seats, etc. Kleensan Corporation. 344,084; Mar. 9.
Christmas tree lighting outfits to fasten the outfits to the branches of the tree. Device attached to the lamp sockets of. Raylite Trading Co. 343,951; Mar. 9; Serial No. 383,852; published Dec. 29, 1936.
Knobs and pipe fittings, Metal door. American Dirigold Corporation. 343,801; Mar. 9; Serial No. 372,194; published Dec. 29, 1936.
Nails and tacks. Atlas Tack Corporation. 343,992; Mar. 9; Serial No. 384,365; published Dec. 29, 1936.
Nuts, bolts, and metal washers. Grip Nut Company. 116,429; renewed May 1, 1937.
Sprinkler systems and parts, Automatic. Rockwood Sprinkler Company of Massachusetts. 343,826; Mar. 9; Serial No. 377,716; published Dec. 29, 1936.

CLASS 14

Printing plates, Blank. R. L. Garnier. 343,860; Mar. 9; Serial No. 380,831; published Dec. 29, 1936.
Sheets, rods, wire, etc. American Dirigold Corporation. 343,802; Mar. 9; Serial No. 372,197; published Dec. 29, 1936.
Wire. American Steel and Wire Company of New Jersey. 344,080; Mar. 9.

CLASS 15

Oils, Soluble lubricating. Phoenix Oil Company. 115,797; renewed Mar. 6, 1937.
Oils, Soluble lubricating and soluble cutting. Phoenix Oil Company. 115,997; renewed Mar. 27, 1937.

CLASS 16

Calcimine. United States Gypsum Company. 344,060; Mar. 9; Serial No. 385,018; published Dec. 29, 1936.
Chemical mixture. National Potteries Company. 343,810; Mar. 9; Serial No. 374,203; published Dec. 29, 1936.
Paints, paint enamels, and varnishes. Con-Ferro Paint & Varnish Company. 343,863; Mar. 9; Serial No. 380,986; published Dec. 29, 1936.
Polish and auto wax, Furniture. Gulf Oil Corporation. 344,052; Mar. 9; Serial No. 384,962; published Dec. 29, 1936.
Varnishes, enamels, lacquers, etc. Lowe Brothers Company. 344,061; Mar. 9; Serial No. 385,050; published Dec. 29, 1936.

CLASS 17

Cigarettes. A. & M. Wix. 343,918; Mar. 9; Serial No. 383,245; published Dec. 29, 1936.
Tobacco, cigar, and cigarette flavoring compounds. Fries & Fries, Inc. 344,000; Mar. 9; Serial No. 384,419; published Dec. 29, 1936.

CLASS 19

Lubricating inserts, Spring leaf. Certified Auto Products Company. 344,095; Mar. 9.
Material handling equipment. Barrett-Cravens Company. 343,811; Mar. 9; Serial No. 374,611; published Dec. 29, 1936.
Radiator cover for an automobile. L. R. Smith. 344,100; Mar. 9.

CLASS 21

Electric head lamp for vehicles. Trippe Manufacturing Company. 344,075; Mar. 9; Serial No. 385,315; published Dec. 29, 1936.
Lighters, Pocket and table, Electric. Alfred Dunhill of London, Inc. 344,085; Mar. 9.
Machine electrically operated, Mixing and dispensing. Siren Mills Corporation. 343,899; Mar. 9; Serial No. 382,774; published Dec. 29, 1936.
Magnetic cores. Aladdin Radio Industries, Incorporated. 344,069; Mar. 9; Serial No. 385,170; published Dec. 29, 1936.
Microphones. W. A. Bruno. 343,931; Mar. 9; Serial No. 383,467; published Dec. 29, 1936.
Radio receivers, including radio frequency tuning devices. Aladdin Radio Industries, Incorporated. 344,070; Mar. 9; Serial No. 385,171; published Dec. 29, 1936.
Radio receiving sets and parts thereof. J. M. Bregstone. 343,960; Mar. 9; Serial No. 383,979; published Dec. 29, 1936.
Spark plug. F. M. Anthony. 343,828; Mar. 9; Serial No. 377,956; published Dec. 29, 1936.

CLASS 22

Game or similar game, Table. L. Adler. 344,077; Mar. 9; Serial No. 385,383; published Dec. 29, 1936.
Glove, Golfer's. K. L. Burgett. 344,068; Mar. 9; Serial No. 385,131; published Dec. 29, 1936.
Target cards for short range shooting. "5" Spot Short Range Gun Clubs of America. 343,855; Mar. 9; Serial No. 380,628; published Dec. 8, 1936.

CLASS 23

Appliances for cleaning boilers. Diamond Power Specialty Company. 116,044–5; renewed Apr. 3, 1937.
Beaders and hammers, combined edging and wiring machines, combined rolls and edge-turning machines, etc., Combined. Quickwork Company. 344,073; Mar. 9; Serial No. 385,304; published Dec. 29, 1936.
Cutlery, machinery, and tools, and parts thereof. Cincinnati Butchers' Supply Company. 117,110; renewed June 19, 1937.
Dishwashing machines, Electric. R. D. Campbell. 343,854; Mar. 9; Serial No. 380,546; published Dec. 29, 1936.
Dough working machines. Thomson Machine Company. 344,088; Mar. 9.
Engine-governors. Monarch Governor Co. 114,001; renewed Nov. 14, 1936.
Engines, Oil. Sears, Roebuck and Co. 115,676; renewed Feb. 27, 1937.
Knitting and weaving machines. Kaylooms Incorporated. 344,058; Mar. 9; Serial No. 385,003; published Dec. 29, 1936.
Pasteurizing machine. Bireley's Incorporated. 344,067; Mar. 9; Serial No. 385,130; published Dec. 29, 1936.
Razor blades, Safety. Colton Razor Blade Company. 343,846; Mar. 9; Serial No. 379,787; published Dec. 29, 1936.
Razor, Safety. C. A. Gratiot. 343,852; Mar. 9; Serial No. 380,454; published Dec. 29, 1936.
Screw drivers, saw blades, saw frames, etc. Forsberg Manufacturing Co. 344,098; Mar. 9.
Shovels, spades, and scoops. Supplee-Biddle Hardware Co. 344,062; Mar. 9; Serial No. 385,072; published Dec. 29, 1936.
Taps. Greenfield Tap and Die Corporation. 344,065; Mar. 9; Serial No. 385,095; published Dec. 29, 1936.
Tools, Machine. Walker-Turner Company, Inc. 343,864; Mar. 9; Serial No. 381,010; published Dec. 29, 1936.

CLASS 24

Washing machines, Laundry. Automatic Washer Company. 343,907; Mar. 9; Serial No. 382,902; published Dec. 29, 1936.

CLASS 26

Attachment to be used as a magnifying line finder. H. S. Thomson. 343,934; Mar. 9; Serial No. 383,551; published Dec. 29, 1936.
Cameras and films therefor, motion picture films and cameras, etc., Photographic. S. R. Jourjon. 343,835; Mar. 9; Serial No. 378,569; published Dec. 29, 1936.
Chronometer and desk pad stands, Combined telephone. McCoy Service, Inc. 343,929; Mar. 9; Serial No. 383,439; published Dec. 29, 1936.
Films, Motion picture. A. de La Varre. 343,862; Mar. 9; Serial No. 380,947; published Dec. 29, 1936.
Lamps or bulbs used in photography, Incandescent. Wabash Appliance Corp. 343,849; Mar. 9; Serial No. 380,417; published Dec. 29, 1936.
Pyrometers and radiation pyrometers. Leeds & Northrup Company. 344,071; Mar. 9; Serial No. 385,189; published Dec. 29, 1936.
Thermostatic elements and blanks therefor. Improved Seamless Wire Company. 343,834; Mar. 9; Serial No. 378,486; published Dec. 29, 1936.

CLASS 27

Watches, clocks, movements, and parts thereof. Fabrique d'Horlogerie Chs. Tissot & Fils S. A. 344,103; Mar. 9.

CLASS 32

Cushions, Seat. Virginia Rubatex Corporation. 344,056; Mar. 9; Serial No. 384,986; published Dec. 29, 1936.
Spring assemblies and inner springs for cushions, Mattresses, etc. Lisson-Melen Company. 343,973; Mar. 9; Serial No. 384,160; published Dec. 29, 1936.
Swings and beds. Perfection Manufacturing Company. 117,590; renewed July 17, 1937.

CLASS 34

Flares burning liquid fuel. Embury Manufacturing Company. 343,981; Mar. 9; Serial No. 384,249; published Dec. 29, 1936.
Globes for lanterns, Glass. R. E. Dietz Company. 343,953; Mar. 9; Serial No. 383,877; published Dec. 29, 1936.
Stoves and burners and parts therefor, Camp and kitchen. Midland Steel Products Company. 343,809; Mar. 9; Serial No. 374,088; published Dec. 29, 1936.
Stoves, heaters, and heating circulators, Gas, coal, wood, etc. Gamble Stores, Incorporated. 343,925; Mar. 9; Serial No. 383,391; published Dec. 29, 1936.

CLASS 35

Brake linings and clutch facing. Bondall Company. 343,804; Mar. 9; Serial No. 372,953; published Dec. 29, 1936.
Hose, Fire. American Fire Hose Company. 343,986; Mar. 9; Serial No. 384,312; published Dec. 29, 1936.

CLASS 36

Violins, string basses, cellos, etc. Henry Stadlmair Co. Inc. 343,820; Mar. 9; Serial No. 377,199; published Dec. 29, 1936.

CLASS 37

Paper and writing paper, Bond. Tobey-Fine Papers, Inc. 343,867; Mar. 9; Serial No. 381,470; published Dec. 29, 1936.
Paper, envelopes, wrapping paper, etc., Writing. American Automobile Association, Incorporated. 343,877; Mar. 9; Serial No. 382,023; published Dec. 29, 1936.
Paper, printing paper, and bond paper, Writing. Nation Wide Papers, Inc. 343,793; Mar. 9; Serial No. 369,303; published Dec. 29, 1936.
Paper, Wall. Peninsular Paint & Varnish Co. 344,092; Mar. 9.
Paper, Waxed. Hammersley Manufacturing Company. 343,971; Mar. 9; Serial No. 384,107; published Dec. 29, 1936.
Paper, Writing and printing. American Writing Paper Co. 115,052; renewed Jan. 23, 1937.
Papers, fast-to-light non-curling flint glazed papers, duplex papers, etc., Non-curling flint glazed. Wyomissing Glazed Paper Company. 343,935; Mar. 9; Serial No. 383,560; published Dec. 29, 1936.
Pens and fountain pens, Writing. Esterbrook Steel Pen Manufacturing Company. 343,998; Mar. 9; Serial No. 384,414; published Dec. 29, 1936.

CLASS 38

Booklet publications. Eastern Color Printing Company. 343,821; Mar. 9; Serial No. 377,381; published Dec. 8, 1936.
Books and pamphlets, Series of. Bell Syndicate, Inc. 343,930; Mar. 9; Serial No. 383,461; published Dec. 22, 1936.
Chart, Astrological. W. P. Goshorn. 343,936; Mar. 9; Serial No. 383,575; published Dec. 15, 1936.
Column in a newspaper. American Newspapers, Inc. 343,881; Mar. 2; Serial No. 382,108; published Dec. 22, 1936.
Column in a printed publication. Sidney F. Mashbir, Jr. 344,025; Mar. 9; Serial No. 384,592; published Dec. 15, 1936.
Labels, Fabric. Jackmeyer Label Corporation. 343,866; Mar. 9; Serial No. 381,272; published Dec. 15, 1936.
Magazine. American Acceptance Council. 343,976; Mar. 9; Serial No. 384,178; published Dec. 8, 1936.
Magazine. Gardner Publications, Inc. 343,914; Mar. 9; Serial No. 383,091; published Dec. 15, 1936.
Magazine, Periodical. Cinema Magazine Inc. 344,024; Mar. 9; Serial No. 384,581; published Dec. 15, 1936.
Magazine, Periodical. Kiehl & Stevens, Inc. 344,032; Mar. 9; Serial No. 384,692; published Dec. 15, 1936.
Magazine publication. W. Friedman. 343,949; Mar. 9; Serial No. 383,833; published Dec. 15, 1936.
Magazine section. Hearst Magazines, Inc. 343,812; Mar. 9; Serial No. 375,051; published Dec. 8, 1936.
Newspaper articles. C. Walsh. 343,878; Mar. 9; Serial No. 382,080; published Dec. 22, 1936.
Picture section of a newspaper. Register & Tribune Company. 344,017; Mar. 9; Serial No. 384,555; published Dec. 22, 1936.
Periodical. Automobile Club of Michigan. 343,956; Mar. 9; Serial No. 383,909; published Dec. 8, 1936.
Periodical. Popular Mechanics Company. 344,026; Mar. 9; Serial No. 384,595; published Dec. 15, 1936.
Photographs, Imitation. Huron Press, Inc. 343,841; Mar. 9; Serial No. 379,300; published Dec. 15, 1936.
Publication, Monthly. Sunset Oil Company. 343,974; Mar. 9; Serial No. 384,167; published Dec. 15, 1936.
Publication, Periodical. James T. Igoe Publishers, Inc. 343,832; Mar. 9; Serial No. 378,255; published Dec. 8, 1936.
Publications, Educational word forming. R. W. Swan, Jr. 343,955; Mar. 9; Serial No. 383,901; published Dec. 8, 1936.

CLASS 39

Boots and shoes. Book's Shoe Company. 344,009; Mar. 9; Serial No. 384,499; published Dec. 29, 1936.
Boots and shoes. Church & Company Limited. 344,102; Mar. 9.
Boots and shoes. Freeman Shoe Corporation. 344,072; Mar. 9; Serial No. 385,225; published Dec. 29, 1936.
Boots and shoes. General Shoe Corporation. 343,987; Mar. 9; Serial No. 384,326; published Dec. 29, 1936.
Boots and shoes. H. J. Justin & Sons, Incorporated. 343,902; Mar. 9; Serial No. 382,797; published Dec. 29, 1936.
Boots, shoes, and slippers. Irving Drew Company. 344,003–4; Mar. 9; Serial Nos. 384,450–1; published Dec. 22, 1936.
Brassières. New-Zan Bandeau Co. 343,994; Mar. 9; Serial No. 384,389; published Dec. 29, 1936.
Brassières, bandeaux, corsets, etc. Maiden Form Brassiere Company. 344,053; Mar. 9; Serial No. 384,967; published Dec. 29, 1936.
Chemises, princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 344,055; Mar. 9; Serial No. 384,976; published Dec. 29, 1936.
Coats. A. Davis & Sons, Inc. 343,871; Mar. 9; Serial No. 381,757; published Dec. 22, 1936.
Coats and suits. Printz-Biederman Company. 344,039; Mar. 9; Serial No. 384,761; published Dec. 29, 1936.
Coats, Rain. United States Rubber Products, Inc. 344,050; Mar. 9; Serial No. 384,940; published Dec. 29, 1936.
Coats, suits, frocks, dresses, etc. Capri Frocks Inc. 344,106; Mar. 9.
Corsets, brassières, girdles, etc. Blauner's. 343,882; Mar. 9; Serial No. 382,111; published Dec. 22, 1936.
Corsets, corselets, girdles, etc. La Resista Corset Company. 344,066; Mar. 9; Serial No. 385,102; published Dec. 29, 1936.
Dresses. Standard Garment Company. 343,794; Mar. 9; Serial No. 370,126; published Dec. 22, 1936.
Dresses and coats. Roaman's Inc. 344,074; Mar. 9; Serial No. 385,305; published Dec. 29, 1936.
Dresses, suits, sweaters, etc. Peerless Sport Apparel Co. 344,038; Mar. 9; Serial No. 384,760; published Dec. 29, 1936.
Garments and girdles, Foundation. Franco Corset Company. 343,840; Mar. 9; Serial No. 379,239; published Dec. 29, 1936.
Gloves. Bacmo Postman Corporation. 343,919; Mar. 9; Serial No. 383,249; published Dec. 29, 1936.
Gloves. Louis Meyers & Son, Inc. 344,013; Mar. 9; Serial No. 384,546; published Dec. 22, 1936.
Gloves and gauntlets. Toledo Glove Manufacturing Company. 343,861; Mar. 9; Serial No. 380,892; published Dec. 22, 1936.
Gowns, dresses, suits, etc. Al Benjamin & Bro. Inc. 343,928; Mar. 9; Serial No. 383,460; published Dec. 29, 1936.
Hats. Carr System, Inc. 344,064; Mar. 9; Serial No. 385,088; published Dec. 29, 1936.
Hats. Hat Corporation of America. 344,005; Mar. 9; Serial No. 384,462; published Dec. 22, 1936.
Hats. Hat Corporation of America. 344,006; Mar. 9; Serial No. 384,464; published Dec. 22, 1936.
Hats. Texas Harvest Hat Company. 343,816; Mar. 9; Serial No. 376,148; published Dec. 22, 1936.
Hats and caps. Palco Hats, Incorporated. 344,002; Mar. 9; Serial No. 384,436; published Dec. 29, 1936.
Heels, Rubber. F. W. Goakes. 343,795; Mar. 9; Serial No. 370,465; published Dec. 29, 1936.
Hosiery. Brown Durrell Co. 344,033; Mar. 9; Serial No. 384,700; published Dec. 29, 1936.
Hosiery. Elder & Johnston Co. 343,844; Mar. 9; Serial No. 379,513; published Dec. 29, 1936.
Hosiery. M. A. Friedman & Bro. 114,093; renewed Nov. 28, 1936.
Hosiery, fur coats, underwear, etc. National Modes, Inc. 343,819; Mar. 9; Serial No. 376,771; published Dec. 29, 1936.
Hosiery, Silk. Bullock's, Inc. 344,111; Mar. 9.
Jackets, play suits, blouses, etc. M. Fine & Sons Manufacturing Co. 344,076; Mar. 9; Serial No. 385,330; published Dec. 29, 1936.
Overalls, trousers, suits, etc. Liberty Overall Co. 344,078; Mar. 9; Serial No. 385,591; published Dec. 29, 1936.
Pajamas. H. Berger. 344,091; Mar. 9.
Pajamas, robes, and slacks. Eastern Isles Importing Co. 343,908; Mar. 9; Serial No. 382,911; published Dec. 29, 1936.
Robes, negligees, corsets, etc., Bath. Oppenheim, Collins & Co. Inc. 343,984; Mar. 9; Serial No. 384,300; published Dec. 29, 1936.
Shirts and collars. Bedford Shirt Corporation. 344,099; Mar. 9.
Shirts, neckties, scarfs, etc. Freem's Ltd. 343,958; Mar. 9; Serial No. 383,923; published Dec. 22, 1936.
Shirts, trousers, slips, etc. A. Mitchell. 343,903; Mar. 9; Serial No. 382,801; published Dec. 29, 1936.
Shoes. Brilliant Brothers Company. 344,057; Mar. 9; Serial No. 384,990; published Dec. 29, 1936.
Shoes. Juvenile Shoe Corporation of America. 343,948; Mar. 9; Serial No. 383,809; published Dec. 22, 1936.
Shoes. Geo. E. Keith Company. 344,090; Mar. 9.
Shoes. St. James Realty & Department Store Company. 343,966; Mar. 9; Serial No. 384,051; published Dec. 22, 1936.
Shoes. Stacks Shoe Company. 343,857; Mar. 9; Serial No. 380,725; published Dec. 29, 1936.
Shoes. United States Shoe Corporation. 343,968; Mar. 9; Serial No. 384,060; published Dec. 22, 1936.
Shoes, Leather. Sears, Roebuck and Co. 115,902; renewed Mar. 20, 1937.
Shoes, Women's. Selby Shoe Co. 344,048; Mar. 9; Serial No. 384,936; published Dec. 29, 1936.
Skirts, waists, suits, etc. Lorraine Manufacturing Company. 343,798; Mar. 9; Serial No. 371,353; published Dec. 29, 1936.
Suits, coats, overcoats, etc. Hart, Schaffner & Marx. 344,104; Mar. 9.
Suits, coats, shirts, etc. Associated Merchandising Corporation. 344,096; Mar. 9.

Suits, coats, vests, etc. Schloss Bros. & Co. 343,887; Mar. 9; Serial No. 382,283; published Dec. 22, 1936.
Suits, coats, vests, etc. Schloss Bros. & Co. 343,888–9; Mar. 9; Serial Nos. 382,285–6; published Dec. 22, 1936.
Suits, coats, vests, etc. Schloss Bros. & Co. 343,904; Mar. 9; Serial No. 382,808; published Dec. 22, 1936.
Suits, coats, vests, etc. Schloss Bros. & Co. 344,020–21; Mar. 9; Serial Nos. 384,563–4; published Dec. 29, 1936.
Sweater jackets and coats. Jersild Knitting Company. 343,945; Mar. 9; Serial No. 383,741; published Dec. 29, 1936.
Underwear. Marshall Field & Company. 344,101; Mar. 9.

CLASS 40

Buckles, slides, buttons, etc. L. F. Phillips. 344,107; Mar. 9.
Pins, knitting stitch holders, crochet hooks, etc., Knitting. Abel Morrall Limited. 343,891; Mar. 9; Serial No. 382,390; published Dec. 29, 1936.
Shoe laces, Mercerized. Laing, Harrar & Chamberlin, Inc. 343,886; Mar. 9; Serial No. 382,189; published Dec. 29, 1936.
Straps, Wrist watch. H. J. Searer. 343,990; Mar. 9; Serial No. 384,337; published Dec. 29, 1936.

CLASS 42

Linen. Carleton Schaller & Co. 344,018–19; Mar. 9; Serial Nos. 384,560–1; published Dec. 29, 1936.
Piece goods. Pepperell Manufacturing Company. 344,015; Mar. 9; Serial No. 384,550; published Dec. 29, 1936.
Rayon piece goods. American Bleached Goods Company. 343,830; Mar. 9; Serial No. 378,064; published Dec. 29, 1936.
Rugs, Sisal. William Goodacre & Sons, Ltd. 344,045; Mar. 9; Serial No. 384,891; published Dec. 29, 1936.

CLASS 43

Thread and yarn. North American Rayon Corporation. 343,797; Mar. 9; Serial No. 370,889; published Dec. 29, 1936.

CLASS 44

Buffers, emery-boards, manicure-sticks, etc., Manicure. Northam Warren Corporation. 117,584; renewed July 17, 1937.
Dental treatment cement. H. E. Pearson. 344,108; Mar. 9.
Hearing device and parts thereof, Electrical. W. J. Sullivan. 343,952; Mar. 9; Serial No. 383,855; published Dec. 29, 1936.
Manicure instruments. American Dirigold Corporation. 343,800; Mar. 9; Serial No. 372,193; published Dec. 29, 1936.
Nasal syphons. Nichols Nasal Syphon, Inc. 344,037; Mar. 9; Serial No. 384,759; published Dec. 29, 1936.
Sanitary belts. I. B. Kleinert Rubber Company. 344,046; Mar. 9; Serial No. 384,901; published Dec. 29, 1936.

CLASS 45

Beverages and extracts therefor, Carbonated. Blue Seal Extract Company. 344,081; Mar. 9.
Beverages, and syrups, extracts, and flavors used in making the same. Miller Becker Co. 344,054; Mar. 9; Serial No. 384,970; published Dec. 29, 1936.
Non-alcoholic preparation. Pabst Brewing Company. 115,862; renewed Mar. 13, 1937.
Powder for making soft drinks, Prepared. Wyler & Company. 344,063; Mar. 9; Serial No. 385,080; published Dec. 29, 1936.
Syrups, extracts and flavoring compounds for making beverages. Fries & Fries, Inc. 343,999; Mar. 9; Serial No. 384,418; published Dec. 29, 1936.

CLASS 46

Bread. Ward Baking Company. 115,706; renewed Feb. 27, 1937.
Bread and fruit concentrates in dehydrated form. Dry Fruit Products Corporation. 343,792; May 9; Serial No. 364,127; published Dec. 29, 1936.
Canned dog food. Seaboard Packing Corp. 344,093; Mar. 9.
Canned orange juice. Treesweet Products Co. 344,027; Mar. 9; Serial No. 384,603; published Dec. 29, 1936.
Chicken, Prepared minced and barbequed. R. C. Johnson. 343,799; Mar. 9; Serial No. 371,469; published Dec. 29, 1936.
Chocolates and bonbons. Imperial Candy Co. 115,890; renewed Mar. 20, 1937.
Chocolates and candy. Stephen F. Whitman & Son, Inc. 117,496; renewed July 10, 1937.
Condiments. Herb Farm. 344,086; Mar. 9.
Crackers. Burry Biscuit Corporation. 343,874; Mar. 9; Serial No. 381,967; published Dec. 29, 1936.
Eggs. H. R. Doorly. 343,890; Mar. 9; Serial No. 382,381; published Dec. 29, 1936.
Feed, poultry feed, dog feed, etc., Dairy. Farmers' Cooperative Exchange. 343,807; Mar. 9; Serial No. 373,681; published Dec. 29, 1936.
Feeds, Dairy and stock. Arcady Farms Milling Company. 115,719; renewed Mar. 6, 1937.
Flour, etc., Self-rising pancake and waffle. Cobleskill Milling Co. Inc. 343,983; Mar. 9; Serial No. 384,283; published Dec. 29, 1936.
Flour, Self-rising. Seattle Grain Co. 117,613; renewed July 17, 1937.
Flour, Wheat. Centennial Mill Co. 117,517; renewed July 17, 1937.
Flour, Wheat. Colorado Milling & Elevator Co. 117,576–8; renewed July 17, 1937.
Food, Dog. Whyte Feed Mills. 343,850; Mar. 9; Serial No. 380,428; published Dec. 29, 1936.
Fruit juices for food purposes. Polk Company. 343,950; Mar. 9; Serial No. 383,851; published Dec. 29, 1936.
Fruits, Citrus. California Fruit Growers Exchange. 117,107; renewed June 19, 1937.
Groceries, Dry. A. Ehlers. 117,428; renewed July 10, 1937.
Lettuce, Fresh. Stanley Fruit Co. 343,817; Mar. 9; Serial No. 376,414; published May 26, 1936.
Macaroni. Tharinger Macaroni Company. 117,616; renewed July 17, 1937.
Milk, Frosted malted. Carnation Company. 344,083; Mar. 9.
Oleomargarine. Standard Nut Margarine Co. 343,865; Mar. 9; Serial No. 381,235; published Dec. 29, 1936.
Onions. Bridge & Souter Co. Inc. 116,284; renewed Apr. 24, 1937.
Oysters, Fresh. J. H. Michaels Co. 117,048; renewed June 12, 1937.
Pate de foies gras, galantine of goose liver paste. Fabrique de Pates de Foies Gras Edouard Artzner. 343,851; Mar. 9; Serial No. 380,446; published Dec. 29, 1936.
Salad oil. Carnation Company. 343,847; Mar. 9; Serial No. 379,875; published Dec. 29, 1936.
Syrup and molasses. Towle Maple Products Company. 115,693; renewed Feb. 27, 1937.
Vanilla extract. General Desserts Corporation. 344,110; Mar. 9.

CLASS 47

Wine. European Wine Exporters & Growers Agencies, Inc. 343,962; Mar. 9; Serial No. 383,994; published Dec. 29, 1936.
Wine. European Wine Exporters & Growers Agencies, Inc. 344,097; Mar. 9.
Wines. Beringer Bros., Inc. 343,900; Mar. 9; Serial No. 382,786; published Dec. 29, 1936.

CLASS 48

Beverages and extracts therefor, Alcoholic. Blue Seal Extract Company. 344,082; Mar. 9.

CLASS 49

Whiskey, gin, rum, etc. Brown-Forman Distillery Company. 343,814; Mar. 9; Serial No. 375,752; published Dec. 29, 1936.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 343,790; Mar. 9; Serial No. 343,967; published Dec. 29, 1936.
Whiskies. Sunset Distilling Company. 343,906; Mar. 9; Serial No. 382,895; published Dec. 29, 1936.
Whisky. James Buchanan & Company Limited. 343,965; Mar. 9; Serial No. 384,026; published Dec. 29, 1936.
Whisky. Scottish Grain Distilling Co. Limited. 344,079; Mar. 9; Serial No. 385,648; published Dec. 29, 1936.

CLASS 50

Bird houses. W. T. Graff, Jr. 343,910; Mar. 9; Serial No. 382,976; published Dec. 29, 1936.
Innersoling for shoes. Armstrong Cork Company. 116,744; renewed May 22, 1937.
Ladders. John S. Tilley Ladders Co. Inc. 116,992; renewed June 5, 1937.
Photoengraved printing plates. R. L. Garnier. 344,028; Mar. 9; Serial No. 384,615; published Dec. 29, 1936.
Plugs and flanges for steel drums and barrels, Screw threaded metal. Melrath Supply & Gasket Co. 344,089; Mar. 9.
Swatters, Fly. Lubbers & Bell Manufacturing Company. 344,042; Mar. 9; Serial No. 384,801; published Dec. 29, 1936.
Waterproofed fabrics. Schwarzwaelder Co. 343,964; Mar. 9; Serial No. 384,015; published Dec. 29, 1936.

LIST OF LABELS

Always on Top. For Dog Food. Vimpep Foods, Inc. 49,071; Mar. 9.
Beech-Nut Pepsin Beechies. For Chewing Gum. Beech-Nut Packing Company. 49,050; Mar. 9.
Beech-Nut Spearmint Beechies. For Chewing Gum. Beech-Nut Packing Company. 49,051; Mar. 9.
Beech-Nut Tops. For Crackers. Beech-Nut Packing Company. 49,052; Mar. 9.
Brill's Spaghetti Sauce. For Spaghetti Sauce. H. C. Brill Company. 49,053; Mar. 9.
Clover Farm Wheatmeal. For Breakfast Cereal. Clover Farm Stores Corporation. 49,056; Mar. 9.

Feather Tred Footwear. For Boxes, Hoague-Sprague Corporation. 49,062; Mar. 9.
Holly Hill. For Blended Orange and Grapefruit Juice. Holly Hill Fruit Products, Inc. 49,063; Mar. 9.
Holly Hill. For Canned Grapefruit. Holly Hill Fruit Products, Inc. 49,064; Mar. 9.
Holly Hill. For Canned Grapefruit and Oranges for Salad. Holly Hill Fruit Products, Inc. 49,065; Mar. 9.
J M Bench Made Shoes. For Shoes. M. B. Claff & Sons, Inc. 49,054; Mar. 9.
Kelley's Quality. For Bread. Kelley Baking Company. 49,066; Mar. 9.
Lake State. For Beer. Grand Rapids Brewing Company. 49,061; Mar. 9.
Limey Syrup. For Sweetened Lime Juice Syrup. L. Rose & Co., Ltd. 49,070; Mar. 9.
Martin H. Cope's. For Evaporated Sweet Corn. Martin H. Cope & Son. 49,057; Mar. 9.
Necco Chocolate Ice Cream Drops. For Chocolate Ice Cream Drops. New England Confectionery Company. 49,069; Mar. 9.
One Hundred Grand. For Silk Stockings. Dexdale Hosiery Mills. 49,059; Mar. 9.
Puritan Old Fashioned Fruit Pudding. For Fruit Pudding. Maine Canned Foods, Inc. 49,068; Mar. 9.
Puritan Original Dutch Oven Baked Beans. For Baked Beans. Maine Canned Foods, Inc. 49,067; Mar. 9.
Quality Shoes—Chase's Cushion Comfort. For Shoes. M. B. Claff & Sons, Inc. 49,055; Mar. 9.
Ritzee Hamburgs. For Hamburgs. Godde & Messenger, Inc. 49,060; Mar. 9.
Silver Star. Guaranteed Dress Fabrics. $1.00. For Dress Fabrics. Wholesalers Fabrics Corp. of America. 49,072; Mar. 9.
Silver Star. Guaranteed Dress Lengths. $1.98. For Dress Lengths. Wholesalers Fabrics Corp. of America. 49,073; Mar. 9.
Silver Star. Guaranteed Dress Lengths. Supreme $2.98 Quality. For Dress Lengths. Wholesalers Fabrics Corp. of America. 49,074; Mar. 9.
The Slippon Mop. For Mops. Cotton Specialty Co. 49,058; Mar. 9.

LIST OF PRINTS

Navy Blue Razor Blades for Double Edge Razors. For Safety Razor Blades. Triangle Mechanical Laboratories Corp. 16,110; Mar. 9.
New! Sock with Garter Attached . . . Pacer . . . by Holeproof. For Socks with Garters Attached. Holeproof Hosiery Co. 16,107; Mar. 9.
Ritzee Hamburgs. For Hamburgs. Goode & Messenger, Inc. 16,106; Mar. 9.
Specification Sealed Gasoline. For Gasoline. Danciger Oil & Refineries, Inc. 16,105; Mar. 9.
Spray or Stream in One. For Faucet Attachment. C. E. Lehman. 16,108; Mar. 9.
Tender Krust Bread. For Bread. Tender Krust Baking Company. 16,109; Mar. 9.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alderman, Alonzo E., Washington, D. C., assignor to Burton Manufacturing Company. Inc., Chicago, Ill. Combined camera and illuminator. 20,281; Mar. 9.

Bernarde, Henry L., Kearny, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical measuring and regulating system. 20,282; Mar. 9.

Bock, Albert E., White Clay, Nebr., assignor to Lisle Corporation, Clarinda, Iowa. Magnetic plug. 20,291; Mar. 9.

Burton Manufacturing Company. (See Alderman, Alonzo E., assignor.)

Caldwell, Frank W., Hartford, Conn., assignor, by mesne assignments, to United Aircraft Corporation. Propeller. 20,283; Mar. 9.

Edison General Electric Appliance Company, Inc. (See Schroeder, Clarence W., assignor.)

Herrmann, Conrad, Wuppertal-Elberfeld, Germany, assignor to North American Rayon Corporation. Device for the after treatment of filaments. 20,284; Mar. 9.

Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Direct motor drive for disk fans. 20,285; Mar. 9.

Leathers, Ward, Haworth, N. J., assignor, by mesne assignments, to Quadrex Corporation. Filter and dirt disposal for electric push brooms. 20,286; Mar. 9.

Lisle Corporation. (See Bock, Albert E., assignor.)

North American Rayon Corporation. (See Herrmann, Conrad, assignor.)

O'Leary, Charles M., et al. (See Patterson, Edgar W., assignor.)

Patterson, Edgar W., Long Beach, assignor of one-half to C. M. O'Leary, Hollywood, and one-half to M. D. Patterson, Long Beach, Calif. Well pump operating mechanism. 20,287; Mar. 9.

Patterson, Margaret D., et al. (See Patterson, Edgar W., assignor.)

Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)

Quadrex Corporation. (See Leathers, Ward, assignor.)

Schroeder, Clarence W., Cicero, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Electric cooking device. 20,288; Mar. 9.

Simpson, Robert W., New York, N. Y. Flower exhibiting device. 20,289; Mar. 9.

Stanton, George B., Brooklyn, N. Y. Electrical current testing instrument. 20,290; Mar. 9.

United Aircraft Corporation. (See Caldwell, Frank W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Bernarde, Henry L., assignor.)

LIST OF PLANT PATENTEES

Irwin, Roman J. (See Schroeder, Edward J., assignor.)

Izzo, Patsy A., Glen Head, N. Y. Rose. 236; Mar. 9.

Schroeder, Edward J., Perry Hall, Md., assignor of one-half to Roman J. Irwin, New York, N. Y. Freesia. 237; Mar. 9.

LIST OF DESIGN PATENTEES

Allen, S. L., & Co. Inc. (See Warren, William C., assignor.)

Alper, Esther, New York, N. Y. Dress. 103,545; Mar. 9.

Alper, Esther, New York, N. Y. Dress. 103,546; Mar. 9.

Alterson, Louis, New York, N. Y. Buckle. 103,483; Mar. 9.

B. & T. Floor Company, The. (See Bonnell, William L., assignor.)

Berenstein, Frank, assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass. Shoe sole. 103,484; Mar. 9.

Bloch, Gustave, New York, N. Y. Net fabric or similar article. 103,524; Mar. 9.

Bloch, Gustave, New York, N. Y. Net fabric or similar article. 103,525; Mar. 9.

Bloch, Gustave, New York, N. Y. Net fabric or similar article. 103,526; Mar. 9.

Boeppie, Hans, New York, N. Y. Sweater. 103,527; Mar. 9.

Bonnell, William L., Columbus, Ohio. Edging strip or similar article. 103,486; Mar. 9.

Bonnell, William L., Columbus, Ohio. Binding strip or similar article. 103,487; Mar. 9.

Bonnell, William L., assignor to The B. & T. Floor Company, Columbus, Ohio. Butt edging strip or similar article. 103,485; Mar. 9.

Bridgeport Metal Goods Manufacturing Company, The. (See Mankki, Onnie, assignor.)

Brown, Frank W., Jr., Richmond, Va. Combination top and article holder for toilet tanks. 103,488; Mar. 9.

Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Instrument case. 103,489; Mar. 9.

Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 103,490; Mar. 9.

Carr-Lowrey Glass Co. (See Funkey, John H., assignor.)

Cole, James L. (See Sense, B. E., and Cole.)

Coleman, Tora, New York, N. Y. Dress. 103,528; Mar. 9.

Consolidated Aircraft Corporation. (See Laddon, Isaac M., assignor.)

Dooley, William J. (See Weasler, A. V., and Dooley.)

Dwareski, Peter J., Long Beach, Calif., Airplane. 103,529; Mar. 9.

Epton, Arthur I., Chicago, Ill. Grease dispensing device. 103,491; Mar. 9.

Feimann, Henri, assignor to Morris, Mann & Reilly, Inc., Chicago, Ill. Lady's handbag. 103,492; Mar. 9.

Feimann, Henri, assignor to Morris, Mann & Reilly, Inc., Chicago, Ill. Lady's handbag. 103,493; Mar. 9.

Feimann, Henri, assignor to Morris, Mann & Reilly, Inc., Chicago, Ill. Lady's handbag. 103,494; Mar. 9.

Foster, Jacob, New York, N. J. Uniform cap or similar article. 103,530; Mar. 9.

Fox, Jerome J., New York, N. Y. Glove. 103,547; Mar. 9.

Frei, John, Jr., Chicago, Ill. Bracket-light. 103,531; Mar. 9.

Funkey, John H., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 103,495; Mar. 9.

Funkey, John H., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 103,496; Mar. 9.

General Electric Company. (See Patten, Raymond E., assignor.)

Hatch, William S., Gloversville, N. Y. Glove. 103,548; Mar. 9.

Hazel-Atlas Glass Company. (See Smith, Frasier, assignor.)

Heinlein, Arthur A., Worcester, Mass. Shoe. 103,497; Mar. 9.

Higbee, Frank D., New London, Conn. Table. 103,498; Mar. 9.

Hofmaster, Harold W., Great Bend, Kans. Vacuum cleaner. 103,499; Mar. 9.

Hygienic Tube & Container Company. (See Lermer, Herman B., assignor.)

International Silver Company. (See Stark, Frederick W., assignor.)

Jameson, Russell D., Clark County, near New Carlisle, Ohio. Cabinet for intercommunicating systems. 103,532; Mar. 9.

Janes, Richard B., Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill. Settee. 103,549; Mar. 9.

Julep Company, The. (See Lorenzen, Arnold I., assignor.)

Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Sandwich toaster or similar article. 103,533; Mar. 9.

Knapp-Monarch Company. (See Knapp, Andrew S., assignor.)

Laddon, Isaac M., San Diego, Calif., assignor to Consolidated Aircraft Corporation. Four-engined flying boat. 103,550; Mar. 9.

Lermer, Herman B., assignor to Hygienic Tube & Container Company, Newark, N. J. Applicator or similar article. 103,534; Mar. 9.

Lorenzen, Arnold I., Toledo, Ohio, assignor to The Julep Company, Chicago, Ill. Bottle. 103,535; Mar. 9.
Loving, Elliott E., Memphis, Tenn., assignor to National Safety Control Co. Combined traffic officer's safety booth and traffic signal. 103,536; Mar. 9.
Mankki, Onnie, Cleveland Heights, Ohio, assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Flashlight casing. 103,537; Mar. 9.
Marder, Edward, Brooklyn, N. Y. Hand mirror. 103,551; Mar. 9.
Marder, Edward, Brooklyn, N. Y. Hand mirror. 103,552; Mar. 9.
Mariani, Frank N., New York, N. Y. Pen desk stand. 103,500; Mar. 9.
McCartney, Will C., Cambridge, Ohio. Candelabra or similar article. 103,538; Mar. 9.
Moore, Robert W., Camden, N. J. Ashtray. 103,539; Mar. 9.
Moore, Robert W., Camden, N. J. Ashtray. 103,540; Mar. 9.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Kitchen cabinet ensemble. 103,501; Mar. 9.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Electric stove. 103,502; Mar. 9.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Electric stove. 103,503; Mar. 9.
Morris, Mann & Reilly, Inc. (See Felmann, Henri, assignor.)
National Safety Control Co. (See Loving, Elliott E., assignor.)
Oswell, Bernard, New York, N. Y. Shoe. 103,504; Mar. 9.
Panther-Panco Rubber Co. Inc. (See Berenstein, Frank, assignor.)
Panther-Panco Rubber Co. Inc. (See Quinn, Gilbert F., assignor.)
Pape, James C., New York, N. Y. Shoe. 103,505; Mar. 9.
Pape, James C., New York, N. Y. Shoe. 103,506; Mar. 9.
Patten, Raymond E., Bridgeport, Conn., assignor to General Electric Company. Air conditioning control. 103,541; Mar. 9.
Pick Manufacturing Company. (See Weasler, A. V., and Dooley, assignors.)
Pickwick Draperies, Inc. (See Rosenberg, Max M., assignor.)
Quinn, Gilbert F., Beachmont, assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass. Shoe sole. 103,507; Mar. 9.
Renner, Frank, Chicago, Ill. Coffee brewer. 103,508; Mar. 9.
Richardson Company, The. (See Rieser, Oliver O., assignor.)
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Battery container. 103,542; Mar. 9.
Romer, Charles J., New York, N. Y. Display basket. 103,543; Mar. 9.
Rosenberg, Max M., assignor to Pickwick Draperies, Inc., New York, N. Y. Textile fabric. 103,509; Mar. 9.
Rosenberg, Max M., assignor to Pickwick Draperies, Inc., New York, N. Y. Textile fabric. 103,510; Mar. 9.
Rosenberg, Max M., assignor to Pickwick Draperies, Inc., New York, N. Y. Textile fabric. 103,511; Mar. 9.
Rosenberg, Max M., assignor to Pickwick Draperies, Inc., New York, N. Y. Textile fabric. 103,512; Mar. 9.
Rosenberg, Max M., assignor to Pickwick Draperies, Inc., New York, N. Y. Textile fabric. 103,513; Mar. 9.
Rosenberg, Max M., assignor to Pickwick Draperies, Inc., New York, N. Y. Textile fabric. 103,514; Mar. 9.
Rosenberg, Max M., assignor to Pickwick Draperies, Inc., New York, N. Y. Textile fabric. 103,515; Mar. 9.
Rosenberg, Max M., assignor to Pickwick Draperies, Inc., New York, N. Y. Textile fabric. 103,516; Mar. 9.
Rosenberg, Max M., assignor to Pickwick Draperies, Inc., New York, N. Y. Textile fabric. 103,517; Mar. 9.
Sears, Kelly C., Rural Hall, N. C. Dancing toy figure. 103,518; Mar. 9.
Sears, Roebuck and Co. (See Janes, Richard B., assignor.)
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Sense, Benjamin E., Mahoningtown, and J. L. Cole, New Castle, Pa. Shade bracket or similar article. 103,519; Mar. 9.
Sessions Clock Company, The. (See Sessions, William K., assignor.)
Sessions, William K., assignor to The Sessions Clock Company, Forestville, Conn. Clock-case. 103,553; Mar. 9.
Sessions, William K., assignor to The Sessions Clock Company, Forestville, Conn. Clock-case. 103,554; Mar. 9.
Smith, Frasier, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Bottle. 103,520; Mar. 9.
Spector, Morris, New York, N. Y. Cape. 103,555; Mar. 9.
Stark, Frederick W., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 103,521; Mar. 9.
Sturm, Don E., assignor to Textileather Corporation, Toledo, Ohio. Coated fabric. 103,522; Mar. 9.
Taylor Instrument Companies. (See Brown, H. Brainard, assignor.)
Textileather Corporation. (See Sturm, Don E., assignor.)
Urge, Lester, Youngstown, Ohio. Motor vehicle lamp. 103,556; Mar. 9.
Warren, William C., assignor to S. L. Allen & Co. Inc., Philadelphia, Pa. Sled deck. 103,523; Mar. 9.
Weasler, Anthony V., and W. J. Dooley, assignors to Pick Manufacturing Company, West Bend, Wis. Automobile grille guard. 103,544; Mar. 9.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Herbert L., Washington, D. C. Hydroplane vane. 2,073,438; Mar. 9.
Agfa Ansco Corporation. (See Schneider, Wilhelm, assignor.)
Aikman, Burton S., Milwaukee, Wis., assignor of one-half to John A. Dienner, Evanston, Ill. Starter control. 2,073,133; Mar. 9.
Ainsworth Manufacturing Corporation. (See Potter, Albert T., assignor.)
Ajax Electrothermic Corporation. (See Northrup, Edwin F., assignor.)
Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See von Segebaden, E. S. D., Örström, assignors.)
Albrecht, Wilhelm, New York, N. Y. Bottle stopper. 2,073,043; Mar. 9.
Alco Products, Inc. (See Wallis, John S., assignor.)
Allen, Clarence W., San Francisco, Calif. Lifeboat propelling mechanism. 2,073,383; Mar. 9.
Allen, James S., Hammond, Ind. Tone bar. 2,073,331; Mar. 9.
Allgemeine Elektricitats Gesellschaft. (See Kniepen, Peter, assignor.)
Allin, George S., assignor to Isaacson Iron Works, Inc., Seattle, Wash. Load hauling vehicle. 2,072,998; Mar. 9.
Allis-Chalmers Manufacturing Company. (See Hill, Leland H., assignor.)
Allis-Chalmers Manufacturing Company. (See Marti, Othmar K., assignor.)
Almen, John O., Royal Oak, Mich., and W. D. Gove, West Hartford, Conn., assignors to General Motors Corporation, Detroit, Mich. Friction transmission control mechanism. 2,073,134; Mar. 9.
Alonso, Francisco S., Brooklyn, N. Y. Toy machine gun. 2,073,544; Mar. 9.
Ambi-Budd Presswork Gesellschaft mit beschrankter Haftung. (See Zinter, Richard, assignor.)
Amend, William J., and E. W. Bousquet, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation of dicarboxylic anhydride. 2,072,861; Mar. 9.
American Brass Company, The. (See Smith, Cyril S., assignor.)
American Car and Foundry Company. (See Dietrichson, W. F., and Willoughby, assignors.)
American Floor Surfacing Machine Company, The. (See Myers, Harry L., assignor.)
American Hatters & Furriers Co. (See Mercier, Warren C., assignor.)
American Laundry Machinery Company, The. (See Beattie, William P., assignor.)
American Rolling Mill Company, The. (See Shafer, George E., assignor.)
American Telephone and Telegraph Company. (See Darrow, Wirt E., assignor.)
American Telephone and Telegraph Company. (See Sefcik, Joseph J., Jr., assignor.)
Anderson, Alvin P., and W. K. Nelson, Wood River, Ill., assignors to Shell Development Company, San Francisco, Calif. Preparation of high grade asphalts. 2,073,088; Mar. 9.
Anderson, Ivar C. (See Hersey, H. J., Jr., and Andersen.)
Andre, Gustaf E., Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill. Lightning arrester and making the same. 2,072,850; Mar. 9.
Andrews, Albert W., Dover, assignor to S. Morgan Smith Company, York, Pa. Hydraulic machine. 2,073,044; Mar. 9.
Andrews, John H. (See Ricks, F., and Andrews.)
Andrus, Orrin E., Milwaukee, Wis. Water purification. 2,072,976; Mar. 9.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Lamp shade. 2,073,135; Mar. 9.
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Aschenbach, Emerson. (See Willach, B., Aschenbach, Gruver, and Klein.)
Atkinson, George H., Mason City, Wash. Marine structure. 2,073,545; Mar. 9.
Austin, John T., assignor to The Austin Organ Company, Hartford, Conn. Swell expression engine. 2,072,844; Mar. 9.
Austin Organ Company, The. (See Austin, John T., assignor.)
Autenrieth, Gustave, Detroit, Mich. Gauge mounting. 2,073,089; Mar. 9.
Autocar Company, The. (See Bachman, Benjamin B., assignor.)
Automatic Musical Instrument Company. (See Green, Clifford H., assignor.)
Automatic Musical Instrument Company. (See Olson, Phillip W., assignor.)
Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)
Bachman, Benjamin B., Philadelphia, assignor to The Autocar Company, Ardmore, Pa. Power transmitting device. 2,073,045; Mar. 9.
Backus, Wallace T., assignor to J. Edwards & Co., Philadelphia, Pa. Leather drying. 2,073,592; Mar. 9.
Bahlke, William H. (See FitzSimons, O., and Bahlke.)
Bailey, Wilson, Philadelphia, Pa. Cigarette holder. 2,072,851; Mar. 9.
Bakelite Corporation. (See Molinari, Vittorio, assignor.)
Bakelite Corporation. (See Shuey, Ralph C., assignor.)
Baker, Thomas V., Chehalis, Wash. Paring knife. 2,073,546; Mar. 9.
Baldwin, Charles F., Schenectady, N. Y., and S. A. Bokovoy, Audubon, N. J., assignors to Radio Corporation of America. Piezoelectric element. 2,073,046; Mar. 9.
Baldwin-Southwark Corporation. (See von Heydekampf, Gerd S., assignor.)
Balfe, George T., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich. Gasket. 2,072,862; Mar. 9.
Balfe, George T., assignor to Detroit Gasket & Mfg. Company, Detroit, Mich. Gasket. 2,072,863; Mar. 9.
Balle, Gerhard. (See Nuesslein, J., and Balle.)
Ballman, Edwin C., St. Louis, Mo. Single phase condenser motor. 2,073,532; Mar. 9.
Balls, Arnold K., Washington, D. C., and T. L. Swenson, Chevy Chase, Md., dedicated to The Free Use of the Public of The United States of America. Producing thin egg white. 2,073,411; Mar. 9.
Balton, James, assignor of one-fourth to J. Shapiro, Baltimore, Md., one-fourth to I. Shapiro, Chicago, Ill., one-fourth to N. Shapiro, and one-fourth to S. Shapiro, Chelsea, Mass. Batter pump with drip eliminating means. 2,073,439; Mar. 9.
Balton, James, assignor of one-fourth to J. Shapiro, Baltimore, Md., one-fourth to I. Shapiro, Chicago, Ill., one-fourth to N. Shapiro, and one-fourth to S. Shapiro, Chelsea, Mass. Ice cream cone. 2,073,440; Mar. 9.
Barnebl, August J., Chicago, Ill., assignor, by mesne assignments, to Oliver United Filters Incorporated, San Francisco, Calif. Filter. 2,073,384; Mar. 9.
Barnett, Herbert J., Danielson, Conn. Lug strap for loom picker sticks. 2,073,047; Mar. 9.
Barrett Co., The. (See Miller, Stuart P., assignor.)
Bartlett, William, and R. Carpenter, assignors of one-third to Wm. S. Ryan, Spencer, W. Va. Radio tube rejuvenator. 2,073,190; Mar. 9.
Batten, Percy H., and W. J. Pearmain, assignors to Twin Disc Clutch Company, Racine, Wis. Clutch. 2,072,852; Mar. 9.
Batz, George C., and H. H. Lanning, Topeka, Kans. Spring assembly. 2,073,533; Mar. 9.
Bauer, Alfred, Cannstatt-Stuttgart, Germany, assignor, by mesne assignments, to Magnesium Development Corporation. Pressure-casting apparatus. 2,072,864; Mar. 9.
Baxter, Donald E., Los Angeles, Calif. Closure. 2,072,853; Mar. 9.
Beal, Walter H., trustee, et al. (See Litchfield, Isaac W., assignor.)
Beard, Fannette. (See Beard, Richard and F.)
Beard, Richard, and F., Danville, Ill. Ice container. 2,073,090; Mar. 9.
Beattie, William P., assignor to The American Laundry Machinery Company, Norwood, Ohio. Electrical measuring means. 2,072,937; Mar. 9.
Belden, Albert G., and R. A. Cole, assignors to Norton Company, Worcester, Mass. Centerless grinding machine. 2,073,509; Mar. 9.
Belden Manufacturing Company. (See Andre, Gustaf E., assignor.)
Bell & Howell Company, The. (See McNabb, Joseph H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Betts, Walter L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bowne, Langford J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Curtis, Harold E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fitch, Karl E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Jones, Edward H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Thurston, George M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wheeler, Clyde H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Williams, Samuel B., assignor.)
Belluzzo, Giuseppe, Rome, Italy. Combustion turbine. 2,073,191; Mar. 9.
Bennett, Albert L., Glendale, assignor to Malinite Corporation, Los Angeles, Calif. Ceramic composition and preparing. 2,073,136; Mar. 9.
Benoit, Francois P. C., Paris, France. Apparatus for spraying pulverized materials. 2,072,845; Mar. 9.
Berchet, Gerard J. (See Carothers, W. H., and Berchet.)
Berg, Henry A., Duluth, Minn. Dispenser. 2,072,938; Mar. 9.
Bergholm, Harry K., Larchmont, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Absorption refrigerating system. 2,073,091; Mar. 9.
Bergholm, Harry K., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration apparatus. 2,073,092; Mar. 9.
Berry, Paul F., Columbus, Ohio. Pump. 2,073,547; Mar. 9.
Best Foods, Inc., The. (See Schaub, Jacob, assignor.)
Betts, Walter L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for electrical devices. 2,072,939; Mar. 9.
Betzler, Paul, New York, N. Y. Building construction. 2,073,548; Mar. 9.
Bichowsky, Francis R., Washington, D. C., assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,072,977; Mar. 9.
Bickley, Everett H., Cynwyd, Pa. Liquid level indicator. 2,073,360; Mar. 9.
Bilt-Rite Baby Carriage Co. (See Schwarzbaum, H. D., and Keyworth, assignors.)
Bimrose, Frank H., Dillon, Mont. Sanitary cover. 2,073,137; Mar. 9.
Bishman Company, The. (See Bishman, Walter A., assignor.)
Bishman, Walter A., assignor to The Bishman Company, Minneapolis, Minn. Tire spreader. 2,073,510; Mar. 9.
Blackburn, Samuel M., and W. L. Schellenbach, Wyoming, assignors to The Fay-Egan Manufacturing Company, Cincinnati, Ohio. Slicing machine. 2,072,846; Mar. 9.
Blocker, Robert H., San Francisco, Calif. Oscillating poppet valve engine. 2,073,385; Mar. 9.
Blunk, Heinrich, Essen, Germany. Treating sewage. 2,073,441; Mar. 9.
Bokovoy, Samuel A. (See Baldwin, C. F., and Bokovoy.)
Bole, George A., Columbus, Ohio, assignor to Laclede Christy Clay Products Company, St. Louis, Mo. Heat insulating material. 2,073,138; Mar. 9.
Bolesky, John D., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass. Manufacturing radially corrugated disks. 2,072,847; Mar. 9.
Bolin, Dayton C. (See Pfau, G. M., Bolin, and Zublin.)
Bond, Elmer F. (See Peterson, H. O., and Bond.)
Bond, Raymond W. (See Renfrew, P. B., and Bond.)
Borland, Carl A. (See Fruth, H. F., and Borland.)
Bossert Company, The. (See Holland, Taylor G., assignor.)
Bousquet, Euclid W. (See Amend, W. J., and Bousquet.)
Bowne, Langford J., Howard Beach, assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Telephone system. 2,072,940; Mar. 9.
Bowser, S. F., & Company. (See Renfrew, P. B., and Bond, assignors.)
Brantly, John E., Avenal, Calif. Well pipe and tool joint. 2,073,093; Mar. 9.
Brewer, Charles A., Noroton Heights, Conn., assignor of one-half to P. J. Kury, Arverne, N. Y. Control means for motor vehicles. 2,072,999; Mar. 9.
Bridges, Stanley R., Bush Hill Park, Enfield, England, assignor to Hardman, Peck & Company, New York, N. Y. Miniature piano. 2,073,361; Mar. 9.
Briggs, Southwick W., Washington, D. C. Purifying lubricating oil. 2,073,442; Mar. 9.
British Drug Houses, Limited, The. (See Haworth, W. N., Hirst, Jones, and Smith, assignors.)
Brooke Engineering Company. (See Brooke, George A., Jr., assignor.)
Brooke, George A., Jr., assignor to Brooke Engineering Company, Inc., Philadelphia, Pa. Compensated control system. 2,073,332; Mar. 9.
Brown Instrument Company. (See Mallory, Robert L., assignor.)
Brown, James T., Detroit, Mich. Water filtering and purifying device. 2,072,848; Mar. 9.
Browne, Edwin H. (See Otting, H. E., and Browne.)
Brownson, Percy J., Hastings, Minn. Nose guard. 2,073,511; Mar. 9.
Bryant, Charles M., Seattle, Wash. Washing fruit. 2,072,865; Mar. 9.
Bryant Electric Company, The. (See Hodgkins, Charles H., assignor.)
Bryant, Stanley C., Des Plaines, Ill., assignor to General Railway Signal Company, Rochester, N. Y. Snubbing means for semaphore signals. 2,073,575; Mar. 9.
Bublitz, Otto J., Milwaukee, Wis. Apparatus for treating steam heating systems. 2,073,139; Mar. 9.
Buehn, Charles M., Philadelphia, Pa. Windshield. 2,073,140; Mar. 9.
Bugh, Dolph D., Galena, Mo. Adjustable obstetrical chair. 2,073,094; Mar. 9.
Burch, Arthur E., Jr., and E. Cornwall, Kansas City, Mo., said Burch assignor, by mesne assignments, to said Cornwall. Theft prevention system. 2,072,941; Mar. 9.
Burgess, C. F., Laboratories, Inc. (See Nelson, Charles E., assignor.)
Busey, Herbert S. (See McKean, J. R., and Busey.)
Butler, Arthur G., Eggertsville, and R. E. Palmer and S. T. Payne, Kenmore, N. Y., assignors, by mesne assignments, to Curtiss-Wright Corporation. Retractable landing gear. 2,073,362; Mar. 9.
Butts, Edward, Georgetown, Colo. Pulverulent material treating apparatus. 2,073,549; Mar. 9.
Byerlein, Arthur A., Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio. Press. 2,073,238; Mar. 9.
Byerlein, Arthur A., Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio. Press. 2,073,239; Mar. 9.
Caillau, Marcel U., Boulogne-sur-Seine, France. Hose clamp. 2,073,294; Mar. 9.
California Packing Corporation. (See Richardson, A. C., and Saxby, assignors.)
Canada Cycle and Motor Company Limited. (See Walters, John T., assignor.)
Cappelli, Bruno, Sasso Pisano, Pisa, Italy. Device for recording sound originating in the human body. 2,073,412; Mar. 9.
Cardoza, John B. N., New York, N. Y. Remote control system. 2,073,443; Mar. 9.
Carothers, Wallace H., Fairville, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical processes and new products produced thereby. 2,072,867; Mar. 9.
Carothers, Wallace H., Fairville, Pa., and G. J. Berchet, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Butadienyl compounds and preparing the same. 2,073,363; Mar. 9.
Carpenter, Ralph. (See Bartlett, W., and Carpenter.)
Carr, Raymond L., Boston, Mass., assignor, by mesne assignments, to The Engineering and Research Corporation, New Haven, Conn. Signal device. 2,073,364; Mar. 9.
Carter, Albert L., and E. K. Miller, assignors to Carter Miller Mill Furnishing Company, Spokane, Wash. Pea separating apparatus. 2,073,095; Mar. 9.
Carter Miller Mill Furnishing Company. (See Carter, A. L., and Miller, assignors.)
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,073,142; Mar. 9.
Carver, Fred S., Short Hills, N. J. Press. 2,072,942; Mar. 9.
Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignors.)
Celanese Corporation of America. (See Ellis, George H., assignor.)
Celanese Corporation of America. (See Moss, William H., assignor.)
Celanese Corporation of America. (See Taylor, William L., assignor.)
Celanese Corporation of America. (See Taylor, W. I., and Gibbins, assignors.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Cerwin, Steven S., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for controlling the flow of gaseous media. 2,073,461; Mar. 9.
Chandler, Elmer E., Chicago, Ill. Control device for heating appliances. 2,072,868; Mar. 9.
Chaney, Caryl E., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Direction indicating switch. 2,073,141; Mar. 9.
Chappell, Frank L. (See Ireland, F. L., and Chappell.)
Chesny, Heinz H., San Mateo, assignor to Marine Chemicals Company, Ltd., San Francisco, Calif. Activated magnesium hydroxide and manufacture. 2,073,398; Mar. 9.
Chicago Lock Company. (See Hansen, Henry, assignor.)
Chicago Pump Company. (See Durdin, Augustus C., III, assignor.)
Chicago Vitreous Enamel Products Co. (See Hogenson, William, assignor.)
Chireix, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Telegraph system. 2,073,333; Mar. 9.
Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Rotary hook sewing machine. 2,073,593; Mar. 9.
Church, Harold D., assignor to The White Motor Company, Cleveland, Ohio. Lubricating system for internal combustion engines. 2,073,096; Mar. 9.
Cinch Manufacturing Corporation. (See Del Camp, Scipione M., assignor.)
Cincinnati Grinders Incorporated. (See Theler, F. J., Johnston, and Peaslee, assignors.)
Clark, Fred I., Oklahoma City, Okla. Selective volume control valve. 2,073,048; Mar. 9.
Claude Neon Lights, Inc. (See Ecknayan, Hrant, assignor.)

Clmenhaga, Ernest B., Stevensville, Ontario, Canada, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Apparatus for cleaning cellular radiators. 2,073,576; Mar. 9.
Clingestein, Heinrich, Cologne-on-the-Rhine, E. Glietenberg, and O. Goos, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Trisazodyestuffs. 2,073,000; Mar. 9.
Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)
Coddington, Edwin D., Milwaukee, Wis., assignor to Reynolds Corporation, New York, N. Y. Stud. 2,073,001; Mar. 9.
Coffman, Alden W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Protected metal article and making the same. 2,073,334; Mar. 9.
Cohoe, Wallace P., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Transfer medium and making same. 2,072,943; Mar. 9.
Cole, Raymond A. (See Belden, A. G., and Cole.)
Cole, Raymond A., assignor to Norton Company, Worcester, Mass. Grinding wheel truing attachment. 2,073,577; Mar. 9.
Collings, William R., and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Cellulose ether recovery. 2,073,002; Mar. 9.
Collins, Douglas, Salisbury, N. C. Electric starting motor. 2,073,444; Mar. 9.
Colman, Howard D. (See Lilja, Edgar D., assignor.)
Colortone Corporation. (See Fitz, Charles L., assignor.)
Commercial Solvents Corporation. (See Stiles, Hugh R., assignor.)
Compagnie Generale d'Electro-Metallurgie. (See Lepp, Henry, assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Chireix, Henri, assignor.)
Connell, Karl, Branch, N. Y. Method and apparatus for the administration of gases. 2,073,192; Mar. 9.
Connell, Karl, Branch, N. Y. Breathing tube. 2,073,335; Mar. 9.
Conrad, Nicholas J., Winnetka, assignor, by mesne assignments, to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse box and fuse. 2,072,854; Mar. 9.
Consolidated Car-Heating Company. (See Touceda, Enrique G., assignor.)
Consolidated Packaging Machinery Corporation. (See Gantzer, Howard E., assignor.)
Cook, Judson A., Haledon, N. J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Radio ground counterpoise. 2,073,336; Mar. 9.
Cordes, Bertha L., executrix. (See Cordes, Henry G., assignor.)
Cordes, Henry G., deceased; B. L. Cordes, executrix, assignor to B. L. Cordes, widow, Palo Alto, Calif. Tube and system for electron discharges. 2,072,979; Mar. 9.
Cornwall, Enos. (See Burch, A. E., Jr., and Cornwall, assignors.)
Cornwell, Arthur L., Wellsville, N. Y. Brake lining tightener. 2,073,399; Mar. 9.
Crakes, Clarence S. and F. W., Santa Maria, Calif. Adjusting means. 2,073,550; Mar. 9.
Crakes, Frank W. (See Crakes, Clarence S. and F. W.)
Crasnoff, Victor N., Alton, Ill. Counting device. 2,073,551; Mar. 9.
Cross, Frank L. (See Mulvaney, G. E. Roden, and Cross.)
Cross, Matthew F. (See Cross, Roy, and M. F.)
Cross, Roy and M. F., Kansas City, Mo. Drilling fluids. 2,073,413; Mar. 9.
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Drier. 2,073,401; Mar. 9.
Crown Cork & Seal Company. (See Enkur, Edward M., assignor.)
Crown Cork & Seal Company. (See Fusting, F. E., and Enkur, assignors.)
Cumming, William G., assignor to Granite City Tool Company, Barre, Vt. Stone polishing machine. 2,073,400; Mar. 9.
Cumpston, Kermit B., Blooming Grove, assignor of one-fourth to J. J. Eckford and one-fourth to J. A. Schley, both of Dallas, Tex. Means for removing fibers from cotton seeds. 2,072,978; Mar. 9.
Cunningham, Hal M., Portland, Oreg. Damper equipment. 2,073,386; Mar. 9.
Cunningham, James D., assignor to Republic Flow Meters Company, Chicago, Ill. Chart. 2,073,143; Mar. 9.
Curioni, Aldo, Yorktown Heights, assignor to The Gasolaire Corporation, New York, N. Y. Oil gasifier and burner. 2,073,552; Mar. 9.
Curran, Anna B., executrix. (See Curran, Robert L.)
Curran, Richard L., et al. (See Curran, Robert L., assignor.)
Curran, Robert B., et al. (See Curran, Robert L.)
Curran, Robert L., deceased, late of Moultrieville, S. C., by Anna B. Curran, executrix, Bradenton, Fla., assignor of twenty-seven percent to William E. Curran, twenty per cent to Robert B. Curran, and twenty per cent to Richard L. Curran, Alma, Ga. Flexible tube closure. 2,073,193; Mar. 9.
Curran, William E., et al. (See Curran, Robert L., assignor.)
Curtis, Harold E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminating system for shielded circuits. 2,073,462; Mar. 9.
Curtis, Harry A., Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala. Manufacture of granular calcium phosphates. 2,072,980; Mar. 9.
Curtis, Harry A., Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala. Producing phosphorus. 2,072,981; Mar. 9.
Curtiss-Wright Corporation. (See Butler, A. G., Palmer and Payne, assignors.)
Curtiss-Wright Corporation. (See Osborn, Robert R., assignor.)
Curtiss-Wright Corporation. (See Sutton, Harry A., assignor.)
Daimler Benz Aktiengesellschaft. (See Roller, Franz, assignor.)
Daimler Benz Aktiengesellschaft. (See Wagner, Max, assignor.)
Dale, Clarence R., Los Angeles, Calif., assignor to Dale Service Corporation. Method and apparatus for cementing wells. 2,072,982; Mar. 9.
Dale Service Corporation. (See Dale, Clarence R., assignor.)
D'Andrea, Albert P., Brooklyn, N. Y. Making colored slides and the like. 2,073,387; Mar. 9.
Danver, Andrew C., Providence, R. I. Lubricating device. 2,072,855; Mar. 9.
Darlington, Philip J., deceased, Cambridge, R. T. M. Darlington, executrix, assignor to Robert G. Morse, Marblehead, Mass. Gauge. 2,073,365; Mar. 9.
Darlington, Rebecca T. M., executrix. (See Darlington, Philip J.)
Darrah, William A., Chicago, Ill. Heat application and equipment therefor. 2,073,444; Mar. 9.
Darrow, Wirt E., Hollis, N. Y., assignor to American Telephone and Telegraph Company. Switchboard cord circuit. 2,073,003; Mar. 9.
Dasenbrook, Charles H., assignor to Thayer-Action Company, Rockford, Ill. Piano. 2,073,463; Mar. 9.
Davey, Wheeler P., State College, Pa., assignor to Hercules Powder Company, Wilmington, Del. Detergent, penetrating, and wetting composition. 2,073,464; Mar. 9.
Davis, Archibald H., Jr. (See Winsborough, P., and Davis.)
Dawson, George H. (See Dewar, R. J., and Dawson.)
Dawson, George H., assignor to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 2,073,049; Mar. 9.
Dean, Oscar M., Sioux City, Iowa. Fur cutting machine. 2,073,194; Mar. 9.
Dean, Oscar M., Sioux City, Iowa. Fur cutting machine. 2,073,195; Mar. 9.
Dean, Oscar M., Sioux City, Iowa. Fur cutting machine. 2,073,196; Mar. 9.
De Iongh, Johan H., The Hague, Netherlands. Weighing machine comprising means for operating a valve, a counter or, another device. 2,073,445; Mar. 9.
Deitz, Louis S., Jr., Metuchen, N. J., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y. Material forming apparatus. 2,073,465; Mar. 9.
Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electrical wiring installation and contact lug. 2,073,466; Mar. 9.
Delta Manufacturing Company. (See Tautz, Herbert E., assignor.)
Demboski, Leo, and J. Kay, assignors to The Ohio Nut & Bolt Company, Berea, Ohio. Making welding nuts. 2,073,467; Mar. 9.
Dennis, John H., and J. V. King, Babylon, N. Y. Gas meter seal. 2,073,295; Mar. 9.
De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Socket. 2,073,512; Mar. 9.
Det Norske Aktieselskav for Elektrokemisk Industri. (See Torchet, Pierre, assignor.)
Detroit Gasket & Mfg. Company. (See Balfe, George T., assignor.)
De Vilbiss Company, The. (See Geffs, Frank A., assignor.)
Dewar, Robert J., and G. H. Dawson, assignors to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 2,073,337; Mar. 9.
De Wilde, Hendrik N. L. C. E. C. (See Hohmann, H. M., and de Wilde.)
Dicke, Oscar H., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 2,073,050; Mar. 9.
Dicke, Oscar H., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 2,073,051; Mar. 9.
Dienner, John A. (See Aikman, Burton S., assignor.)
Dienst, Karl, Hildesheim, Germany. Apparatus for drying grain. 2,073,553; Mar. 9.
Dietrich, Friedrich R., Pasing, near Munich, Germany. Searchlight with ellipsoid mirror. 2,072,849; Mar. 9.
Dietrich, Gustav H., Meinersdorf in Erz Gebirge, and H. Drechsel, Oberlichtenau, Germany, assignors, by mesne assignments, to Kallo Inc., New York, N. Y. Flat knitting frame. 2,073,197; Mar. 9.
Dietrichson, William F., Berwick, Pa., and V. Willoughby, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y. Railway hopper car. 2,073,513; Mar. 9.
Diffendale, Peter P., Staten Island, assignor to C. G. Leith, Queens County, N. Y. Neon sign. 2,073,296; Mar. 9.

Dill Manufacturing Company, The. (See Crowley, John C., assignor.)
Dinkins, Abe. (See Upp, Ada R., assignor.)
Dodds, Ethan I., Jr., Central Valley, N. Y., assignor to The New York Central Railroad Company. Vestibule closure for railway cars. 2,073,198; Mar. 9.
Doherty Research Company. (See Liddell, G. J., and Porter, assignors.)
Doherty Research Company. (See Miller, Benjamin, assignor.)
Doherty Research Company. (See Morgan, J. D., and Sullivan, assignors.)
Doran, John H., Scotia, N. Y., assignor to General Electric Company. Assembling packing rings in solid turbine rotors. 2,073,514; Mar. 9.
Dosne, Harry, Mulhouse, Haut-Rhin, France. Manufacturing colored cellulose-ester material. 2,073,414; Mar. 9.
Douglas, Harry A., Bronson, Mich. Signaling ssytem. 2,072,869; Mar. 9.
Dow Chemical Company, The. (See Collings, W. R., and Le Fevre, assignors.)
Drechsel, Hugo. (See Dietrich, G. H., and Drechsel.)
Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Artificial filaments and preparing the same. 2,072,856; Mar. 9.
Dreyfus, Henry, London, England. Cellulose derivatives. 2,072,870; Mar. 9.
Dreyfus, Henry, London, England. Manufacture of cellulose derivatives and in plastic products, etc. 2,073,052; Mar. 9.
Drlice Appliances Incorporated. (See Quinn, Clara E., assignor.)
Ducommun, Jesse C., Hammond, and J. W. Yant, East Chicago, Ind., assignors to Standard Oil Company, Chicago, Ill. Pressure vessels for use at low temperatures. 2,073,053; Mar. 9.
Dumas Engineering Company. (See Dumas, Maxwell G., assignor.)
Dumas, Maxwell G., Pittsburgh, Pa., assignor to The Dumas Engineering Company, Youngstown, Ohio. Centrifugal casting. 2,073,199; Mar. 9.
Dumas, Maxwell G., Pittsburgh, Pa., assignor to The Dumas Engineering Company, Youngstown, Ohio. Centrifugal casting. 2,073,200; Mar. 9.
Dunleavey, Frank S. (See Harding, A. T., and Dunleavey.)
Du Pont, E. I. de Nemours & Company. (See Amend, W. J., and Bousquet, assignors.)
Du Pont, E. I. de Nemours & Company. (See Carothers, Wallace H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., and Berchet, assignors.)
Du Pont, E. I., de Nemours & Company. (See Holt, Harold S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hubbuch, Leo P., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rics, Emil D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sly, Caryl, assignor.)
Durdin, Augustus C. III, Niles Center, assignor to Chicago Pump Company, Chicago, Ill. Aerator. 2,072,944; Mar. 9.
Durham, Hobart N., Munsey Park, N. Y., and G. B. Finnegan, Jr., Mountain Lakes, N. J., assignors to Eugene, Ltd., New York, N. Y. Permanent waving apparatus. 2,072,857; Mar. 9.
Durkee, Roy J., Cleveland Heights, Ohio. Connecter. 2,073,338; Mar. 9.
Dürr, Ludwig, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Freidrichshafen, Germany. Ring bracing of rigid airships. 2,073,297; Mar. 9.
Dziedzic, Nicholas J., and C. L. Straeten, assignors to Industrial Patents Corporation, Chicago, Ill. Slice spacer. 2,073,097; Mar. 9.
Eagle Electric Mfg. Co. (See Ludwig, Louis, assignor.)
Eastman Kodak Company. (See Frederick, C. W., and Luce, assignors.)
Eastman Kodak Company. (See Hopkins, Roy S., assignor.)
Eastman Kodak Company. (See Hughey, Carter J., assignor.)
Eastman Kodak Company. (See Malm, C. J., and Fordyce, assignors.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Murray, Alexander, assignor.)
Eastman Kodak Company. (See Nagel, August, assignor.)
Eastman Kodak Company. (See Sandvik, Otto, assignor.)
Eberts, Edward C., Indianapolis, Ind. Processing beans and other comestibles. 2,073,339; Mar. 9.
Eberts, Edward C., Indianapolis, Ind. Packing whole tomatoes, etc. 2,073,340; Mar. 9.
Eckert, Wilhelm, and H. Sieber, Frankfort-on-the-Main-Hoechst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Separation of vat dyestuff isomers of the naphthoylene diarylimidazole series. 2,073,098; Mar. 9.
Eckford, J. J., et al. (See Cumpston, Kermit B., assignor.)
Ecknayan, Hrant, assignor to Claude Neon Lights, Inc., New York, N. Y. Positive column tube. 2,073,594; Mar. 9.
Edwards, Cliff, Beverly Hills, Calif. Rail end connector. 2,072,871; Mar. 9.
Edwards, J., & Co. (See Backus, Wallace T., assignor.)
Eisleb, Otto, Hofheim in Taunus, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. N-(aminoalkyl)-anthranilic acid alkyl esters and preparing them. 2,073,099; Mar. 9.
Eisleb, Otto, Hofheim in Taunus, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. N-aminoalkylamides of N-alkylaminobenzoic acids and preparing them. 2,073,100; Mar. 9.
Elberg, Boris, Paris, France. Clock with automatic calendar. 2,073,275; Mar. 9.
Electric Controller & Manufacturing Co., The. (See Trofimov, Lev A., assignor.)
Electric & Musical Industries, Ltd. (See McGee, James D., assignor.)
Electric Storage Battery Company, The. (See Lindinger, John J., assignor.)
Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)
Eliason, Axel S. (See Ross, E., and Eliason.)
Elliott, Mary J. (See Elliott, Roy D., and M. J.)
Elliott, Roy D., and M. J. Elliott, Crockett, Calif. Treating liquids. 2,073,388; Mar. 9.
Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of colorations on materials. 2,072,858; Mar. 9.
Ellsberg, Edward, Westfield, N. J., assignor of ¾ by mesne assignments, to Tide Water Associated Oil Company, New York, N. Y. Refining hydrocarbon oils. 2,073,446; Mar. 9.
Elwell, Vincent C., Northfield, Vt., assignor to O. Iselin, and F. W. Jefferson, New York, N. Y., copartners doing business as, Iselin-Jefferson Company. Automatic circular knitting machine. 2,073,554; Mar. 9.
Engelhardt, Rudolf, Leverkusen-I. G. Werk, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Fireproof material. 2,073,004; Mar. 9.
Engineering and Research Corporation, The. (See Carr, Raymond L., assignor.)
Engstrom, Birger, Pittsburgh, Pa. Pipe thread protector. 2,073,389; Mar. 9.
En Holm, Norman, assignor of one-half to H. T. Lilliendahl, New York, N. Y. Internal combustion engine. 2,072,881; Mar. 9.
Enkur, Edward M. (See Fusting, F. E., and Enkur.)
Enkur, Edward M., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container cap, cap liner, and applying liners to container caps. 2,073,415; Mar. 9.
Ensign Carburetor Co. (See Ensign, Roy F., assignor.)
Ensign Carburetor Co. Ltd. (See Ensign, Orville H., assignor.)
Ensign Carburetor Co. Ltd. (See Ensign, Paul W., assignor.)
Ensign Carburetor Co. Ltd. (See McCartney, Charles E., assignor.)
Ensign, Orville H., Pasadena, assignor to Ensign Carburetor Co. Ltd., Huntington Park, Calif. Gas carbureting apparatus. 2,073,298; Mar. 9.
Ensign, Paul W., San Marino, assignor to Ensign Carburetor Co. Ltd., Huntington Park, Calif. System for supplying volatile fuels to engines. 2,073,276; Mar. 9.
Ensign, Roy F., San Marino, assignor to Ensign Carburetor Co. Ltd., Huntington Park, Calif. Gas carbureting apparatus. 2,073,299; Mar. 9.
Eppler, Andrew, deceased, by E. P. Eppler, executrix, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for pressing the bottoms of shoes. 2,073,005; Mar. 9.
Eppler, Ella P., executrix. (See Eppler, Andrew.)
Equitable Powder Manufacturing Company. (See Sherman, Harry E., assignor.)
Erdner, William J., River Rouge, Mich. Building construction. 2,072,983; Mar. 9.
Erickson, Arvid M. (See Gray, H. E., and Erickson.)
Esau, Abraham, Jena, Germany. Method of diathermic treatment by means of high frequency. 2,073,201; Mar. 9.
Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
Eugene, Ltd. (See Durham, H. N., and Finnegan, assignors.)
Evans, Drue M., Wood River, Ill., assignor to Petroleum Conversion Corporation, New York, N. Y. Control device for hot blast stoves. 2,073,447; Mar. 9.
Evans Products Company. (See Lintern, William and J. B., assignors.)
Fairbanks, Morse & Co. (See Guthrie, Bernard M., assignor.)
Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Amplifier circuit. 2,072,945; Mar. 9.
Farnham, Paul O., Mountain Lakes, N. J., assignor to Radio Corporation of America. Harmonic analyzer. 2,072,946; Mar. 9.

Fawcett, Eric W., and J. L. McCowen, Northwich, England, assignors to Imperial Chemical Industries, Limited. Vacuum distillation. 2,073,202; Mar. 9.
Fay-Egan Manufacturing Company, The. (See Blackburn, S. M., and Schellenbach, assignors.)
Fedders Manufacturing Company. (See Climenhaga, Ernest B., assignor.)
Fedders Manufacturing Company. (See Przyborowski, Stanislaus, assignor.)
Felin, Anton, Newark, N. J. Thin runproof garter hook. 2,073,366; Mar. 9.
Fienx, Jean, assignor of one-half to Schneider & Cie, Paris, France. Directional stabilizing apparatus for aerial or marine craft. 2,073,203; Mar. 9.
Finkelstein, Leo, Baltimore, Md. Apparatus for testing filters. 2,072,872; Mar. 9.
Finnegan, George B. Jr. (See Durham, H. N., and Finnegan.)
Finzi, Gino, Rome, Italy. Fire extinguishing grenade. 2,073,416; Mar. 9.
Fischer, Edward F., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,073,515; Mar. 9.
Fisher, Alfred, assignor to Universal Oil Products Company, Chicago, Ill. Conversion and coking of carbonaceous materials. 2,073,367; Mar. 9.
Fitch, Karl E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,073,468; Mar. 9.
Fitz, Charles L., Chicago, Ill., assignor to Colortone Corporation. Camera. 2,073,368; Mar. 9.
Fitzgerald, Edward R., Rexford, N. Y., assignor to General Electric Company. Refrigerating system. 2,073,516; Mar. 9.
Fitz Simons, Ogden, and W. H. Bahlke, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Solvent fractionation of gasoline. 2,073,517; Mar. 9.
Fleischhauer, Richard, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Mono azo dyestuffs. 2,073,470; Mar. 9.
Fleisher, Harry, assignor to Princeton Inc., Watertown, Conn. Knitted fabric. 2,073,402; Mar. 9.
Fleisher, Walter L., New York, N. Y. Cooling bread. 2,073,469; Mar. 9.
Flint, Hyland C., Chicago, Ill. Vacuum cleaner. 2,073,145; Mar. 9.
Fogler, Mayor F., and D. A. Rogers, Petersburg, Va., assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y. Reacting nitrogen tetroxide with aqueous liquids. 2,072,947; Mar. 9.
Fordyce, Charles R. (See Malm, C. J., and Fordyce.)
Foreign Rights (Precision Meters). (See Horton, Frank, assignor.)
Fox, Eston F., Hagerstown, Md. Rotary prime mover. 2,073,101; Mar. 9.
Fox, Richard T., and V. I. Hullett, Louisville, Ky. Selective control device. 2,073,417; Mar. 9.
Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Power transmission device. 2,073,471; Mar. 9.
Franzen, Hans, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft,, Frankfort-on-the-Main, Germany. Producing pure soaps from oxidized non-aromatic hydrocarbons. 2,073,054; Mar. 9.
Frederick, Charles W., Rochester, N. Y., and R. W. Luce, Elizabeth, N. J., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Autocollimating unit. 2,073,300; Mar. 9.
French, Bessie S. (See Klenk, C. A., and French.)
Friden, Carl M. F. (See Lerch, G., and Friden.)
Friedrich, Wilhelm, Berlin-Charlottenburg, Germany. Method and apparatus for producing fire extinguishing foam. 2,073,204; Mar. 9.
Fruth, Hal F., Indianapolis, Ind., and C. A. Borland, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Burner. 2,073,448; Mar. 9.
Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,073,055; Mar. 9.
Furst, John S., Philadelphia, Pa. Eraser attachment for lead pencils. 2,073,309; Mar. 9.
Fusting, Frederick E., and E. M. Enkur, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Lug cap and glass thread. 2,072,873; Mar. 9.
Gantzer, Howard E., Kenmore, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Container cover selecting and feeding mechanism. 2,073,472; Mar. 9.
Gardiner, Arthur W., assignor to General Motors Corporation, Detroit, Mich. Clutch. 2,073,146; Mar. 9.
Gardner, Frank, Dallas, Tex. Treating petroleum distillates. 2,073,147; Mar. 9.
Gasolaire Corporation, The. (See Curioni, Aldo, assignor.)
Gay, Ferdinand F., Beverly Hills, Calif. Dispensing device for plastic subetances. 2,073,473; Mar. 9.
Gayford, Ernest, and J. H. Heginbotham, Salt Lake City, Utah, and P. D. P. Hamilton, Toronto, Ontario, Canada, assignors to The General Engineering Company. Flotation of minerals. 2,073,148; Mar. 9.
Geffs, Frank A., assignor to The De Vilbiss Company, Toledo, Ohio. Spray coating machine. 2,072,948; Mar. 9.
Gehman, Samuel D., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Waterproofing. 2,073,301; Mar. 9.
Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
Geiselman, Myron B., Hanover, Pa. Furnace. 2,072,874; Mar. 9.
General Aniline Works, Inc. (See Clingestein, H., Glietenberg, and Goos, assignors.)
General Aniline Works, Inc. (See Eckert, W., and Sieber, assignors.)
General Aniline Works, Inc. (See Fleischhauer, Richard, assignor.)
General Aniline Works, Inc. (See Mieg, W., and Wieners, assignors.)
General Aniline Works, Inc. (See Nuesslein, J., and Balle, assignors.)
General Aniline Works, Inc. (See Winter, C., and Kern, assignors.)
General Controls Company. (See Ray, William A., and W. R., assignors.)
General Electric Company. (See De Reamer, Frank C., assignor.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Fitzgerald, Edward R., assignor.)
General Electric Company. (See Kingdon, K. H., and Thomson, assignors.)
General Electric Company. (See Peterson, Justin, assignor.)
General Electric Company. (See Safford, Moyer M., assignor.)
General Electric Company. (See Sambleson, Robert F., assignor.)
General Electric Company. (See Swisher, Thomas H., assignor.)
General Engineering Company, The. (See Gayford, E., Heginbotham, and Hamilton, assignors.)
General Machinery Corporation. (See Byerlein, Arthur A., assignor.)
General Motors Corporation. (See Almen, J. O., and Gove, assignors.)
General Motors Corporation. (See Bichowsky, Francis R., assignor.)
General Motors Corporation. (See Chaney, Caryl E., assignor.)
General Motors Corporation. (See Gardiner, Arthur W., assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Haschke, Carl E., assignor.)
General Motors Corporation. (See Helgeby, Ralph O., assignor.)
General Motors Corporation. (See Hull, Harry B., assignor.)
General Motors Corporation. (See Hutchinson, Philip H., assignor.)
General Motors Corporation. (See Kamrath, Herbert G., assignor.)
General Motors Corporation. (See Kindl, C. H., and Rowe, assignors.)
General Motors Corporation. (See Martin, George E., assignor.)
General Motors Corporation. (See Smith, Rolf M., assignor.)
General Railway Signal Company. (See Bryant, Stanley C., assignor.)
General Railway Signal Company. (See Dicke, Oscar H., assignor.)
General Railway Signal Company. (See Judge, Thomas J., assignor.)
Geoanalyzer Corporation. (See Huber, Frederick W., assignor.)
Gerrard, William, Timperley, England, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Curved stereotype printing plate. 2,073,056; Mar. 9.
Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Automobile door lock. 2,073,149; Mar. 9.
Gibbins, Leslie B. (See Taylor, W. L., and Gibbins.)
Gibiette, Catherine T., Detroit, Mich. Toilet. 2,073,390; Mar. 9.
Gilbert, A. C., Company, The. (See Morse, Shirley P., assignor.)
Gille, Nils J., and E. Hansson, assignors to See Fabriks Aktiebolag, Sandviken, Sweden. Bow. 2,073,418; Mar. 9.
Gillette Safety Razor Company. (See Stargardter, Albert R., assignor.)
Gilman, Albert E., assignor to King & Hamilton Company, Ottawa, Ill. Corn sheller. 2,073,302; Mar. 9.
Glen, Robert R., Biarritz, France, assignor to Glen's Patent and Holdings, Inc., New York, N. Y. Loudspeaker and the like. 2,073,474; Mar. 9.
Glen's Patents and Holdings, Inc. (See Glen, Robert R., assignor.)
Glietenberg, Eugen. (See Clingestein, H., Glietenberg, and Goos.)
Goodrich, Paul, Elizabeth, N. J. Water-soluble bactericidals. 2,073,057; Mar. 9.
Goldberg, Abraham G., Quincy, Mass. Display device. 2,073,403; Mar. 9.

Goldberg, Max W., assignor to Modern Equipment Company, Port Washington, Wis. Ladle construction. 2,073,150; Mar. 9.
Goldsborough, Thaddeus R. (See Goldsmith, A. N., and Goldsborough.)
Goldsmith, Alfred N., New York, N. Y., and T. R. Goldsborough, Merchantville, N. J., assignors to Radio Corporation of America. Television system, 2,073,370; Mar. 9.
Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)
Goos, Oskar. (See Clingestein, H., Glietenberg, and Goos.)
Gordon, Thomas S., New Brunswick, N. J. Pot handle. 2,073,475; Mar. 9.
Gottfried, John, Bridgeport, Conn. Coin selector. 2,073,260; Mar. 9.
Gottfried, John, Bridgeport, Conn. Coin selector. 2,073,261; Mar. 9.
Gould's Pumps, Inc. (See Mann, John, assignor.)
Gove, Winfield G. (See Almen, J. O. and Gove.)
Granite City Tool Company. (See Cumming, William G., assignor.)
Grant, John. (See Sweet, Cecil H., assignor.)
Grant, John, Los Angeles, Calif. Wall scraper. 2,072,859; Mar. 9.
Grant, Richard S., and A. A. Schlegel, Akron, assignors to The Jaite-Grant Display Bag Company, Cleveland, Ohio. Making window bags and wrappers. 2,073,476; Mar. 9.
Gray, Herbert E., and A. M. Erickson, San Jose, Calif. Processing artichokes. 2,073,006; Mar. 9.
Gray, Robert L., Brooklyn, N. Y. Window envelope and making the same. 2,072,875; Mar. 9.
Green, Charles W., Millburn, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Electric wave amplification. 2,073,477; Mar. 9.
Green, Clifford H., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich. Phonograph control. 2,072,876; Mar. 9.
Green, Herbert E. J. (See Wilton, Thomas O. and N., Green, and Mann.)
Green, Samuel G., Gray, Ga. Mount. 2,072,877; Mar. 9.
Greene, John H., Spokane, Wash. Earth scraper. 2,073,391; Mar. 9.
Greene, Reginald C., assignor to Pressed Steel Company Limited, Oxford, England. Vehicle. 2,073,058; Mar. 9.
Gross, William H. (See Lefevre, Emil, assignor.)
Grow, Paul W., Yankton, S. Dak. Packaging machine. 2,073,007; Mar. 9.
Grunberg, George. (See Klein, M., and Grunberg.)
Grunig, Bernhard C., Chicago, Ill. Dice agitator. 2,073,205; Mar. 9.
Gruver, Frank S. (See Willach, B., Aschenbach, Gruver, and Klein.)
Guthrie, Bernard M., assignor to Fairbanks, Morse & Co., Chicago, Ill. Mechanical stoker. 2,073,059; Mar. 9.
Guthrie, William J., and V. W. H. Towns, assignors to E. R. Watts & Son Limited, London, England. Torsion meter. 2,073,206; Mar. 9.
Gwynn, Marion Hays, Leonia, N. J. Refining hydrocarbon distillates. 2,073,578; Mar. 9.
Haag, Albert R., and G. A., Peoria, Ill. Wringer. 2,073,341; Mar. 9.
Haag, George A. (See Haag, Albert R., and G. A.)
Haas, Louis W. (See Reece, W. W., and Haas.)
Hake, Donald S. (See Kinzle, C. J., and Hake.)
Halowax Corporation. (See Malbauer, Albert E., assignor.)
Hamilton, Philip D. P. (See Gayford, E., Heginbotham, and Hamilton.)
Hansen, Henry, assignor to Chicago Lock Company, Chicago, Ill. Coin chute. 2,073,151; Mar. 9.
Hansson, Eric. (See Gille, N. J., and Hansson.)
Harding, Arthur T., Audubon, and F. S. Dunleavey, West Collingswood, N. J., assignors to Radio Corporation of America. Capacitor. 2,073,060; Mar. 9.
Hardman, Peck & Company. (See Bridges, Stanley R., assignor.)
Hart, Walter H., Winnetka, assignor to Stein, Hall Manufacturing Company, Chicago, Ill. Conversion process. 2,073,342; Mar. 9.
Hartford-Empire Company. (See Peiler, Karl E., assignor.)
Hartford-Empire Company. (See Steimer, Theodore C., assignor.)
Haschke, Carl E., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,073,008; Mar. 9.
Haskins, Butler J., assignor to Joseph Weidenhoff, Inc., Chicago, Ill. Locating engine dead-centers. 2,072,984; Mar. 9.
Hausman, Walter J., Upper Darby, Pa., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,073,262; Mar. 9.
Haworth, Walter N., E. L. Hirst, J. K. N. Jones, and F. Smith, Edgbaston, Birmingham, assignors to The British Drug Houses, Limited, London, England. Manufacture of ascorbic acid and its analogues. 2,073,207; Mar. 9.
Hayward, Ralph A., assignor to Kalamazoo Vegetable Parchment Company, Parchment, Mich. Paper waxing apparatus. 2,073,208; Mar. 9.
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Hazelton Corporation. (See Johnson, John K., assignor.)
Heginbotham, Joseph H. (See Gayford, E., Heginbotham, and Hamilton.)
Heidbrink, Jay A., Minneapolis, Minn. Fluid meter for gas administering machines. 2,073,372; Mar. 9.
Heilman, Bernard, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Wireworking machine. 2,073,343; Mar. 9.
Hein, Paul P., assignor to Perfumeter Corporation, New York, N. Y. Perfume dispenser. 2,073,061; Mar. 9.
Heinemann Electric Company. (See Wilckens, Kurt W., assignor.)
Heinze, Paul, assignor to Parva Products Company, Chicago, Ill. Buckle. 2,072,949; Mar. 9.
Heitman, Jesse W., Seattle, Wash., and J. J. Kelly, assignors to Huntington Rubber Mills, Portland, Oreg. Writing machine platen and making the same. 2,073,209; Mar. 9.
Helgeby, Ralph O., Flint, assignor to General Motors Corporation, Detroit, Mich. Speedometer. 2,073,152; Mar. 9.
Helgeby, Ralph O., Flint, assignor to General Motors Corporation, Detroit, Mich. Speedometer. 2,073,153; Mar. 9.
Heller, Jacob, and M., Brooklyn, N. Y. Removable insert receptacle. 2,073,478; Mar. 9.
Heller, Michael. (See Heller, Jacob, and M.)
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,072,878; Mar. 9.
Hemphill Company. (See Lawson, Robert H., assignor.)
Hemphill Company. (See Lawson, R. H., and Cloutier, assignors.)
Hemphill Company. (See Lawson, R. H., and Lovell, assignors.)
Hemphill Company. (See Lawson, R. H., and Smith, assignors.)
Henninger, Andrew F., Jr., Chicago, Ill. Animated figure negative glow device. 2,073,062; Mar. 9.
Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrode for welding. 2,073,371; Mar. 9.
Hercules Powder Company. (See Davey, Wheeler P., assignor.)
Hercules Powder Company. (See Ray, Philip A., assignor.)
Her Majesty Underwear Co. (See Schaffer, John A., assignor.)
Hersey, Henry J., Jr., Seattle, Wash., and I. C. Andersen, Bingham Canyon, Utah. Oiler for tools operated by fluid pressure. 2,073,009; Mar. 9.
Herwick, Orell R. (See Mellinger, E. L., and Herwick.)
Heseltine, John C. W. (See Morpeth, W., and Heseltine.)
Hill, Leland H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tap changing mechanism. 2,073,579; Mar. 9.
Hinnekens, Maurice G., Paterson, N. J. Reel. 2,073,063; Mar. 9.
Hirsch, Adrienne, New York, N. Y. Brassière. 2,072,879; Mar. 9.
Hirst, Edmund L. (See Haworth, W. N., Hirst, Jones, and Smith.)
Hirvonen, Eric J., assignor to Leland-Gifford Company, Worcester, Mass. Hydraulic machine tool. 2,073,518; Mar. 9.
Hoag, Edward H., Los Angeles, Calif. Flotation apparatus. 2,072,880; Mar. 9.
Hobart Manufacturing Company, The. (See Johnston, H. L., and Meeker, assignors.)
Hobbs, James C., Painesville, Ohio, assignor to B. F. Sturtevant Company, Boston, Mass. Motor and driven element assembly. 2,073,404; Mar. 9.
Hobbs, Manufacturing Co., The. (See Jensen, John, assignor.)
Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Circuit breaker. 2,073,102; Mar. 9.
Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Circuit breaker. 2,073,103; Mar. 9.
Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Circuit breaker. 2,073,104; Mar. 9.
Hoe, R., & Co. (See Stephenson, William, assignor.)
Hofbauer, Joseph, Orange, N. J. Musical instrument. 2,072,985; Mar. 9.
Hoffmann, Gustav, Chicago, Ill. Metal stamping device. 2,073,154; Mar. 9.
Hoffmann, Joseph H., Bethlehem, Pa., assignor to G. Polysius Aktiengesellschaft, Dessau, Germany. Heat exchange apparatus. 2,073,105; Mar. 9.
Hogenson, William, Hinsdale, assignor to Chicago Vitreous Enamel Product Co., Cicero, Ill. Enameled metal wall construction. 2,072,882; Mar. 9.
Hogenson, William, Hinsdale, assignor to Chicago Vitreous Enamel Products Co., Chicago, Ill. Enameled metal wall construction. 2,072,883; Mar. 9.
Hogenson, William, Hinsdale, assignor to Chicago Vitreous Enamel Products Co., Chicago, Ill. Enameled metal wall corner construction. 2,072,884; Mar. 9.
Hogenson, William, Hinsdale, assignor to Chicago Vitreous Enamel Products Co., Chicago, Ill. Enameled metal wall corner structure. 2,072,885; Mar. 9.
Hohl, Russell L., Shaker Heights, Ohio. Glass panel building construction. 2,073,277; Mar. 9.

Hohl, Russell L., New York, N. Y. Mounting device. 2,073,278; Mar. 9.
Hohmann, Henri M., and H. N. L. C. E. C. de Wilde, The Hague, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Method and apparatus for taking cores from a bore hole. 2,073,263; Mar. 9.
Holder, John H., Long Beach, Calif. Flexible oiler. 2,073,303; Mar. 9.
Holland-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company. Separator attachment for roughage mills. 2,072,920; Mar. 9.
Holland, Taylor G., Brookline, Pa., assignor, by mesne assignments, to The Bossert Company, Inc., Utica, N. Y. Feed hammer mill and molasses mixer. 2,072,860; Mar. 9.
Hollis, Elmer H., Ada, Okla. Cement mixer. 2,072,886; Mar. 9.
Holt, Harold S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenated aralkyl-aryl ethers. 2,073,010; Mar. 9.
Hopkins, Roy S., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Printing machine negative carrier. 2,073,304; Mar. 9.
Horsrud, Ole, assignor to Sears, Roebuck and Co., Chicago, Ill. Gun-sight mount. 2,073,210; Mar. 9.
Horton, Frank, Balham, London, assignor to Foreign Rights (Precision Meters), London, England. Liquid meter. 2,073,405; Mar. 9.
Hotchner, Harold, San Francisco, Calif. Luminous tube sign. 2,072,986; Mar. 9.
Houdaille, Maurice, and C. Lecler, Levallois-Perret, France. Resilient joint. 2,073,419; Mar. 9.
Howald, Melville, Massillon, Ohio. Pneumatic cushion rail wheel. 2,073,534; Mar. 9.
Howell, Cecil C., McPherson, Kans. Switch. 2,073,555; Mar. 9.
Hubbuch, Leo P., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Peracetylated oil. 2,073,011; Mar. 9.
Huber, Frederick W., Riverside, assignor to Geoanalyzer Corporation, Los Angeles, Calif. Method of and apparatus for electrically exploring earth formations. 2,072,950; Mar. 9.
Hughey, Carter J., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Processing tank. 2,073,306; Mar. 9.
Hull, Harry B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,073,106; Mar. 9.
Hullett, Vernon I. (See Fox, R. T., and Hullett.)
Hunter Arms Co. (See Wadsworth, Clair W., assignor.)
Hunter, Campbell M., London, England. Jack attachment. 2,073,012; Mar. 9.
Huntington Rubber Mills. (See Heitman, J. W., and Kelly, assignors.)
Hutchinson, Philip H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Article feeding mechanism. 2,073,305; Mar. 9.
I. G. Farbenindustrie Aktiengesellschaft. (See Engelhardt, Rudolf, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Franzen, Hans, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, W., and Nicolai, assignors.)
Idealite, Inc. (See Laxer, Harry M., assignor.)
Imperial Chemical Industries Limited. (See Fawcett, E. W., and McCowen, assignors.)
Imperial Chemical Industries, Limited. (See Vigers, Brian E. A., assignor.)
Industrial Patents Corporation. (See Dziedzic, N. J., and Straeten, assignors.)
Industrial Products Corporation. (See Walter, Charles T., assignor.)
Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
International Cellucotton Products Company. (See Thomas, Errold B., assignor.)
International Cellucotton Products Company. (See Winter, Courtney P., assignor.)
Ireland, Frank L., Norwich, and F. L. Chappell, Hobart, N. Y. Beater. 2,073,064; Mar. 9.
Isaacson Iron Works, Inc. (See Allin, George S., assignor.)
Iselin-Jefferson Company. (See Elwell, Vincent C., assignor.)
Iselin, Oliver, et al. (See Elwell, Vincent C., assignor.)
Isenberg, Stanley, Chicago, Ill. Bath spray. 2,073,307; Mar. 9.
Ivey, Charles G., assignor to I. E. Ivey, Port Dover, Ontario, Canada. Basket stand. 2,073,155; Mar. 9.
Ivey, Imogen Elizabeth. (See Ivey, Charles G., assignor.)
Jabelmann, Otto, Omaha, Nebr. Articulated train. 2,073,013; Mar. 9.
Jackson, Alexander M., Chicago, Ill., assignor to Locke Insulator Corporation, Baltimore, Md. Arc extinguishing insulator. 2,073,519; Mar. 9.
Jackson, Edward B., Downers Grove, assignor, by mesne assignments, to Stromberg Electric Company, Chicago, Ill. Corrective time-controlled system. 2,073,449; Mar. 9.
Jaite-Grant Display Bag Company, The. (See Grant, R. S., and Schlegel, assignors.)
Jasma, A. G. (See Liers, Friedrich, assignor.)
Jefferson, Floyd W., et al. (See Elwell, Vincent C., assignor.)
Jennings, Irving C., South Norwalk, Conn. Rotary pump. 2,073,014; Mar. 9.
Jensen, John, assignor to The Hobbs Manufacturing Co., Limited, London, Ontario, Canada. Advertising display sign. 2,073,479; Mar. 9.
Jessen, Jesse C. (See Maier, Carl, assignor.)
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Muffling device. 2,073,480; Mar. 9.
Johns-Manville Corporation. (See Voigt, Paul A., assignor.)
Johnson, Charles, and J. O. Olsen, assignors to Mattison Machine Works, Rockford, Ill. Abrading machine. 2,072,951; Mar. 9.
Johnson, John K., Rye, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Superheterodyne receiver. 2,073,344; Mar. 9.
Johnson, John K., Kenilworth, Ill., assignor to Hazeltine Corporation, Jersey City, N. J. Superheterodyne receiver. 2,073,345; Mar. 9.
Johnson & Johnson. (See Schaeffer, Harry J., assignor.)
Johnston, George V. (See Theler, F. J., Johnston, and Peaslee.)
Johnston, Herbert L., and D. A. Meeker, assignors to The Hobart Manufacturing Company, Troy, Ohio. Washing machine. 2,073,521; Mar. 9.
Johnston, Joseph R., Atlanta, Ga. Sheet measuring and cutting machine. 2,073,420; Mar. 9.
Johnston, Mordica O., Glendale, Calif. Welltesting method and apparatus therefor. 2,073,107; Mar. 9.
Jones, Edward H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for electrical devices. 2,072,952; Mar. 9.
Jones, John K. N. (See Haworth, W. N., Hirst, Jones, and Smith.)
Jordan, Claude W. (See Ward, A. L., and Jordan.)
Jordan, Fred F., Hartford, Wis. Rake. 2,073,015; Mar. 9.
Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,073,580; Mar. 9.
Junkmann, Karl. (See Schoeller, W., and Junkmann.)
Kaeding, George. (See Schutsch, W., and Kaeding.)
Kahn, Albert C., Tomahawk, Wis. Trap. 2,073,373; Mar. 9.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 2,073,240; Mar. 9.
Kahn, Herbert M., Appleton, Wis. Chair. 2,073,065; Mar. 9.
Kalamazoo Vegetable Parchment Company. (See Hayward, Ralph A., assignor.)
Kalberer, George J., Hamilton, Ohio. Caster. 2,073,066; Mar. 9.
Kallo Inc. (See Dietrich, G. H., and Drechsel, assignors.)
Kamrath, Herbert G., assignor to General Motors Corporation, Flint, Mich. Crankcase breather cap. 2,073,156; Mar. 9.
Kay, John. (See Demboski, L., and Kay, assignors.)
Kay Manufacturing Corporation. (See Krims, Edward A., assignor.)
Kellan, Edward L., Chicago, Ill. Tobacco pipe. 2,073,211; Mar. 9.
Kellett, William P., Bronxville, N. Y. Shock proof container wagon. 2,072,988; Mar. 9.
Kelley, Gerard J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Cascaded electron tube system. 2,072,953; Mar. 9.
Kelly, James J. (See Heitman, J. W., and Kelly.)
Kempel, Arthur B., assignor to Rex-Hide, Incorporated, East Brady, Pa. Wiper blade fastener. 2,073,157; Mar. 9.
Kenlea Manufacturing Corp. (See Lea, Harry K., assignor.)
Kennecott Wire and Cable Company. (See McKean, J. R., and Busey, assignors.)
Kennedy, Gordon T., Canton, Ohio. Safety base receptacle. 2,073,535; Mar. 9.
Kent Machine Company, The. (See Knapp, Charles E., assignor.)
Kern, Emil. (See Winter, C., and Kern.)
Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Forced flow generator and operating same. 2,072,887; Mar. 9.
Kesling, Elmer G., Bloomfield, Mo. Gear shifting mechanism. 2,073,108; Mar. 9.
Keyworth, Edward C. (See Schwarzbaum, H. D., and Keyworth.)
Kiech, Clarence F., Pasadena, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method of and apparatus for protecting insulating bushings of a dehydrator. 2,072,888; Mar. 9.
Kilborn-Sauer Company, The. (See Sauer, Henry J., assignor.)
Kimball, A., Company. (See Welmont, Joseph, assignor.)
Kindl, Carl H., and C. J. Rowe, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Combined motor mounting and belt tightener. 2,073,158; Mar. 9.
King & Hamilton Company. (See Gilman, Albert E., assignor.)
King, James V. (See Dennis, J. H., and King.)
Kingdon, Kenneth H., and H. E. Thomson, Schenectady, N. Y., assignors to General Electric Company. Photoelectric tube. 2,073,522; Mar. 9.

Kinnear, Leland P., Beaumont, Tex. Collapsible drill bit. 2,073,279; Mar. 9.
Kinzie, Charles J., and D. S. Hake, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Zirconium oxide and making same. 2,072,889; Mar. 9.
Kinzie, Phillip A., assignor to Universal Hydraulic Corporation, Denver, Colo. Sphere valve. 2,073,481; Mar. 9.
Kirchoff, Elmer J., Detroit, Mich. Duplex window operating device. 2,073,406; Mar. 9.
Kirkham, Virgil H. (See Riffey, Edgar W., assignor.)
Kirkwood, Harry R., Pittsburgh, Pa. Lock. 2,073,109; Mar. 9.
Kirsch Company. (See Kirsch, Guy W., assignor.)
Kirsch, Guy W., assignor to Kirsch Company, Sturgis, Mich. Slat for Venetian blinds. 2,073,016; Mar. 9.
Kissam, James B., Maplewood, N. J. Toilet paper roll carrier. 2,073,241; Mar. 9.
Kivett, Samuel V., Harrisonville, Mo. Air cooler. 2,073,556; Mar. 9.
Klein, Irving J., Chicago, Ill. Printing die and retaining means therefor. 2,073,308; Mar. 9.
Klein, Max, and G. Grunberg, New York, N. Y. Syringe. 2,073,067; Mar. 9.
Klein, Maximilian. (See Willach, B., Aschenbach, Gruver, and Klein.)
Kleuk, Carl A., and B. S. French, Chicago, Ill. Accessory for mechanical refrigerators. 2,073,309; Mar. 9.
Knapp, Charles E., Chardon, assignor to The Kent Machine Company, Cuyahoga Falls, Ohio. Log sawing rig. 2,073,407; Mar. 9.
Knee, Aaron A., assignor to Vanak Corporation, Charlotte, N. C. Adjustable check testing apparatus. 2,073,392; Mar. 9.
Kniepen, Peter, Finkenkrug, near Berlin, assignor to Allgemeine Elektricitats Gesellschaft, Berlin, Germany. Vacuum tube insulator shield. 2,073,482; Mar. 9.
Kniepkamp, Heinrich, Berlin-Pankow, assignor to Siemens & Halske, A. G., Berlin-Siemensstadt, Germany. Electron discharge device. 2,073,483; Mar. 9.
Knobel, Max, Arlington, Mass., assignor to Varilux Holding Corporation, Limited, Nassau, Bahama Islands. Illuminated sign. 2,073,068; Mar. 9.
Knoth, Richard B., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Supporting device. 2,073,484; Mar. 9.
Knott, Frank W., Detroit, Mich. Making belt lacer joining pins. 2,073,374; Mar. 9.
Knowles, George F., Rehoboth, Mass. Signal device for vehicles. 2,073,536; Mar. 9.
Knowling, George, St. John's, Newfoundland. Storm coat. 2,073,485; Mar. 9.
Koch, Winfield R., Camden, N. J., assignor to Radio Corporation of America. Delayed automatic volume control circuit. 2,073,486; Mar. 9.
Kögel, Wilhelm, and N. Widell, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,072,987; Mar. 9.
Komorous, Joseph, Riverside, assignor to Parisian Novelty Company, Chicago, Ill. Rule. 2,073,421; Mar. 9.
Komorous, Joseph, Riverside, assignor to Parisian Novelty Company, Chicago, Ill. Button. 2,073,422; Mar. 9.
Korn, Erna, Executrix et al. (See Weisstein, Jacob.)
Krims, Edward A., Chelsea, Mass., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Spring cushion. 2,072,890; Mar. 9.
Kuempel, Leon L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Powdered coal burning system. 2,073,346; Mar. 9.
Kury, Philip J. (See Brewer, Charles A., assignor.)
L. P. R. Company. (See Peel, Frederick W., assignor.)
La Bombard, Leon E., assignor to Oswego Falls Corporation, Fulton, N. Y. Slip cover for cylindrical containers. 2,073,537; Mar. 9.
Lacasse, Valentin, Malines, Belgium. Drying and seasoning wood and analagous vegetable materials. 2,073,423; Mar. 9.
Laclede Christy Clay Products Company. (See Bole, George A., assignor.)
La Fay, Levi, Brighton, Ontario, Canada. Furnace. 2,073,424; Mar. 9.
Landeen, Henning A., et al. (See Wernmark, Carl G., assignor.)
Landeen, Hugo W., et al. (See Wernmark, Carl G., assignor.)
Landis & Gyr, A-G. (See Zingg, Werner, assignor.)
Lanning, Howard H. (See Batz, G. C., and Lanning.)
La Veck, Louis, Brooklyn, N. Y. Making paper straws. 2,072,891; Mar. 9.
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Wrap stripe fabric and knitting the same. 2,073,242; Mar. 9.
Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Stocking and making the same. 2,073,487; Mar. 9.
Lawson, Robert H., Pawtucket, and R. F. Lovell, Providence, assignors to Hemphill Company, Central Falls, R. I. Knitting machine. 2,073,488; Mar. 9.
Lawson, Robert H., and W. L. Smith, Jr., Pawtucket, R. I., assignors to Hemphill Company, Central Falls, N. Y. Jack for knitting machines. 2,073,595; Mar. 9.
Lawton, Harvey B., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Air conditioning apparatus. 2,073,110; Mar. 9.
Laxer, Harry M., assignor to Idealite, Inc., New York, N. Y. Lamp base. 2,073,375; Mar. 9.
Lea, Harry K., assignor to Kenlea Manufacturing Corp., Johnstown, N. Y. Adhesive supply and spreading attachment for fabric coating machines. 2,073,557; Mar. 9.
Leathers, Ward, Haworth, N. J., assignor to The Quadrex Corporation. Self aligning vacuum cleaner nozzle. 2,072,892; Mar. 9.
Leathers, Ward, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y. Collapsible wheel for vacuum cleaners. 2,073,347; Mar. 9.
Leathers, Ward, Haworth, N. J., assignor to Quadrex Corporation. Suction cleaner. 2,073,489; Mar. 9.
Leblanc, Leon, Paris, France. Musical instrument. 2,073,425; Mar. 9.
Lecler, Charles. (See Houdaille, M., and Lecler.)
Lederer, Sigmund L., Providence, R. I. Identification bracelet. 2,073,280; Mar. 9.
Lee, Raymond, Tucson, Ariz. Embalming drainage tube. 2,073,069; Mar. 9.
Lee, William B., assignor to Rock-Lee Products Co., Oakland, Calif. Carburetor connection. 2,072,893; Mar. 9.
Lefevre, Emil, assignor to William H. Gross, as trustee, Detroit, Mich. Latch mechanism. 2,073,017; Mar. 9.
Le Fevre, Walter J. (See Collings, W. R., and Le Fevre.)
Lefler Patent Company. (See Tandler, William S., assignor.)
Leith, Curtis G. (See Diffendale, Peter P., assignor.)
Leland Gifford Company. (See Hirvonen, Eric J., assignor.)
Lencke, John K., and H. Schmid, Kingston, N. Y. Steering stabilizer. 2,072,954; Mar. 9.
Lepp, Henry, Cabourg, assignor to Compagnie Generale d'Electro-Metallurgie, Paris, France. Process for the treatment of light metals and their alloys. 2,073,018; Mar. 9.
Lepp, Henry, Cabourg, France, assignor of two-thirds to Compagnie Générale d'Electro-Metallurgie, Paris, France, and one-third to Société d'Electro-Chimie, d'Electrométallurgie et des Acieries Electriques d'Ugine. Purification of metals and of metallic alloys. 2,073,019; Mar. 9.
Lepp, Henry, Cabourg, France, assignor of two-thirds to Compagnie Générale d'Electro-Metallurgie, Paris, France, and one-third to Société d'Electro-Chimie, d'Electrométallurgie et des Acieries Electriques d'Ugine. Method of improving the physical and mechanical properties of alloys. 2,073,020; Mar. 9.
Lerch, Gustav, Oakland, and C. M. F. Frieden, Piedmont, assignors to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 2,072,989; Mar. 9.
Letz Manufacturing Company, The. (See Holland-Letz, John, assignor.)
Lewin, Jacob W., Oak Park, Ill. Underfloor duct system. 2,073,490; Mar. 9.
Lewis Invisible Stitch Machine Company. (See Moulton, Harley C., assignor.)
Lewis, Robert B., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Fluid pressure regulator. 2,073,070; Mar. 9.
Liddell, George J., Elmhurst, and R. C. Porter, Long Island City, assignors to Doherty Research Company, New York, N. Y. Fuel system testing instrument. 2,073,243; Mar. 9.
Lierg, Friedrich, Vienna, Austria, assignor to Jasma A. G., Zurich, Switzerland. Process for the production of photo-like multitoned prints. 2,073,212; Mar. 9.
Lilja, Edgar D., assignor to H. D. Colman, Rockford, Ill. Synchronous motor. 2,072,894; Mar. 9.
Lilliendahl, Henry T. (See En Holm, Norman, assignor.)
Limpert, Sylvester A., assignor to Mechana Kold Corporation, Bay Shore, N. Y. Vibration damping mounting for compressors, etc. 2,073,450; Mar. 9.
Linder, Osher, Pittsburgh, Pa. Broom. 2,073,558; Mar. 9.
Lindgren, Ferdinand, Cincinnati, Ohio. Automatic machine. 2,073,111; Mar. 9.
Lindinger, John J., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Filling device. 2,073,112; Mar. 9.
Line Material Company. (See Schultz, William O., assignor.)
Line Material Company. (See Steinmayer, A. G., and Schultz, assignors.)
Lintern, John B. (See Lintern, William, and J. B.)
Lintern, William, and J. B. Lintern, Cleveland, Ohio, assignors, by mesne assignments, to Evans Products Company, Detroit, Mich. Vehicle ventilating and signal unit. 2,073,159; Mar. 9.
Lippert, Henry E., Pittsburgh, Pa. Stoker. 2,073,213; Mar. 9.
Litch, Isaac W., Boston, Mass., assignor to W. C. Starkey, Indianapolis, Ind., and R. S. Pruitt, and W. H. Beal, Chicago, Ill., trustees. One-way brake or clutch. 2,073,408; Mar. 9.
Locke Insulator Corporation. (See Jackson, Alexander M., assignor.)

Lofgren, Gustaf E., Rye, N. Y., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner switch. 2,073,244; Mar. 9.
Lohse, Hasell A., North Wildwood, N. J. Automatic clutch for motor vehicles. 2,073,214; Mar. 9.
Long, Herbert J. (See Wild, J. E., and Long.)
Long, W. E. Co., The. (See Reece, W. W., and Haas, assignors.)
Lopez-Cepero, Manuel. (See Ybanez, E., and Lopez-Cepero.)
Lord, Reginald B., Los Angeles, Calif., assignor, by mesne assignments, to Western Electric Company Incorporated. Transmission system. 2,073,451; Mar. 9.
Lovell, Roy F. (See Lawson, R. H., and Lovell.)
Luce, Richard W. (See Frederick, C. W., and Luce.)
Luckett, William S., New York, N. Y. Single delivery dispensing container. 2,073,376; Mar. 9.
Ludwig, Louis, assignor to Eagle Electric Mfg. Co., Inc., Brooklyn, N. Y. Fuse plug. 2,073,160; Mar. 9.
Ludwig, Louis, Brooklyn, N. Y. Electric fuse handle. 2,073,161; Mar. 9.
Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Dürr, Ludwig, assignor.)
Lund, Albert A., New York, N. Y. Production of concentrated maple flavor. 2,072,895; Mar. 9.
Lunt, William R. F., Durban, Natal, Union of South Africa. Treating food for human consumption. 2,072,955; Mar. 9.
Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Cover for the spare tires of automobiles. 2,072,896; Mar. 9.
Lyon Incorporated. (See Lyon, George A., assignor.)
M. & R. Dietetic Laboratories, Inc. (See Otting, H. E., and Browne, assignors.)
Machotka, A., et al. (See Martin, Otis H., assignor.)
Machotka, Julia et al. (See Martin, Otis H., assignor.)
MacMillan, Charles W., Denver, Colo. Apparatus for the continuous measurement and telemetering of mechanical power. 2,073,394; Mar. 9.
Magnesium Development Corporation. (See Bauer, Alfred, assignor.)
Magnesium Development Corporation. (See Fischer, Edward F., assignor.)
Malbauer, Albert E., Bloomfield, N. J., assignor to Halowax Corporation, New York, N. Y. Dielectric medium. 2,073,245; Mar. 9.
Maier, August R., assignor to Oil Well Supply Company, Dallas, Tex. Rotary for well drilling. 2,073,559; Mar. 9.
Maier, Carl, assignor of one-half to J. C. Jessen, Los Angeles, Calif. Draftsman's plotter. 2,073,281; Mar. 9.
Malcher, Otto, Chicago, Ill. Computing scale. 2,073,162; Mar. 9.
Malinite Corporation. (See Bennett, Albert L., assignor.)
Mall, Arthur W., Chicago, Ill. Vibrator for concrete work. 2,073,393; Mar. 9.
Mallory, P. R., & Co. (See Hensel, Franz R., assignor.)
Mallory, Robert L., assignor to The Brown Instrument Company, Philadelphia, Pa. Fluid pressure control apparatus. 2,072,921; Mar. 9.
Malm, Carl J., and C. R. Fordyce, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Waterproofing composition. 2,073,310; Mar. 9.
Malter, Louis, Camden, N. J., assignor to Radio Corporation of America. Electric discharge device. 2,073,599; Mar. 9.
Mann, Harold C. (See Wilton, Thomas O. and N., Green, and Mann.)
Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Rotary pump. 2,073,215; Mar. 9.
Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Centrifugal separator. 2,073,216; Mar. 9.
Manton, James S., Oak Park, Ill. Bicycle lock. 2,073,217; Mar. 9.
Marchant Calculating Machine Company. (See Lerch, G., and Friden, assignors.)
Margerison, Earl, Elkins Park, assignor to Northwood Hosiery Co., Philadelphia, Pa. Attachment for hosiery knitting machines. 2,073,560; Mar. 9.
Marine Chemical Company. (See Chesny, Heinz H., assignor.)
Marion Steam Shovel Company, The. (See Shelton, Dwight J., assignor.)
Marks, Henry C. (See Schmelkes, F. C., and Marks.)
Marschalk, Henry E., Jr., East Orange, N. J. Time control apparatus. 2,072,897; Mar. 9.
Marti, Othmar K., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rectifier protective system. 2,073,113; Mar. 9.
Martin, Fannie M., and J. R. Martin, Altoona, Pa. Golf-bag carrying car. 2,073,114; Mar. 9.
Martin, George E., assignor to General Motors Corporation, Detroit, Mich. Hydraulic brake booster. 2,073,163; Mar. 9.
Martin, James A., Roanoke, Va. Rod joint or coupling. 2,072,898; Mar. 9.
Martin, John R. (See Martin, Fannie M. and J. R.)
Martin, Otis H., assignor of one-eighth to A. Machotka, Uvalde, one-sixteenth to J. Machotka, Edgewood, and one thirty-second to J. A. Thompson, Williamson County, Tex. Cigarette or cigar holder. 2,073,596; Mar. 9.
Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaner brush. 2,072,956; Mar. 9.
Masland, C. H., & Sons, Inc. (See Shearer, Paul, assignor.)
Mateuszczyk, Boleslaw, New York, N. Y., assignor to John Yata, New Bedford, Mass. Reflector for show windows and the like. 2,073,491; Mar. 9.
Mattison Machine Works. (See Johnson, C., and Olsen, assignors.)
May, Daulton P., Jackson, Miss. Device for removing liquid from gas lines. 2,073,311; Mar. 9.
McCartney, Charles E., Los Angeles, assignor, by mesne assignments, to Ensign Carburetor Co. Ltd., Huntington Park, Calif. Volatile hydrocarbon vaporizing and fuel supply system. 2,073,282; Mar. 9.
McCowen, John L. (See Fawcett, E. W., and McCowen.)
McCracken, John, Burgettstown, Pa. Sound reproducing means. 2,073,561; Mar. 9.
McDonald, Arthur J. "Mac", et al. (See Wernmark, Carl G., assignor.)
McDonald, William L., New York, N. Y. Automatic speed change device. 2,073,264; Mar. 9.
McGee, James D., London, England, assignor to Electric & Musical Industries, Ltd. Electron tube. 2,072,957; Mar. 9.
McKean, John R., Rumford, and H. S. Busey, Providence, R. I., assignors to Kennecott Wire and Cable Company. Continuous wire drawing and annealing. 2,073,283; Mar. 9.
McKinney, Carlos J., Detroit, Mich., assignor, by mesne assignments, to The Standard Products Company, Cleveland, Ohio. Window runway or channel. 2,072,899; Mar. 9.
McManus, James H., Chelsea, Mass. Seat. 2,073,315; Mar. 9.
McNabb, Joseph H., Winnetka, assignor to The Bell & Howell Company, Chicago, Ill. Motion picture machine and the like. 2,073,538; Mar. 9.
McQuiston, Raymond C., West Newton, assignor of twenty-five percent to E. B. Thomas, Newton, and twenty-five percent to C. B. Smith, Boston, Mass. Germicidal compositions. 2,073,021; Mar. 9.
Mechana Kold Corporation. (See Limpert, Sylvester A., assignor.)
Meeker, David A. (See Johnston, H. L., and Meeker.)
Megathlin, Ralph S., Wollaston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe. 2,072,900; Mar. 9.
Meilink, Charles F., Toledo, Ohio. Time control for repositories. 2,073,523; Mar. 9.
Mellinger, Edward L., Dunbar Township, Fayette County, and O. R. Herwick, Connellsville, Pa. Type setting apparatus. 2,073,115; Mar. 9.
Mercier, Warren C., assignor to American Hatters & Furriers Co., Inc., Danbury, Conn. Carroting fur. 2,073,452; Mar. 9.
Merck & Co. Inc. (See Weijlard, John, assignor.)
Merkle, Bernard J., Chicago, Ill. Reduction drive. 2,073,348; Mar. 9.
Merrick, Herbert L., Passaic, N. J. Integrating means. 2,073,246; Mar. 9.
Metals & Controls Corporation. (See Bolesky, John D., assignor.)
Metlox Corporation, Ltd. (See Prouty, Theodore C., assignor.)
Meyer, Charles D., Seattle, Wash. Oil engine. 2,073,164; Mar. 9.
Meyerhoff, Paul. (See Ottenbacher, Willy E., assignor.)
Mieg, Walter, and F. Wieners, Opladen, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Effecting carbazole ring formation of compounds of the anthraquinone series. 2,073,022; Mar. 9.
Mihalyi, Joseph, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Adjustable filter mount. 2,073,314; Mar. 9.
Miller, Benjamin, Richmond Hill, assignor to Doherty Research Company, New York, N. Y. Electric flash producing method and apparatus. 2,073,247; Mar. 9.
Miller, Carl G., Mount Clemens, Mich. Fire escape. 2,073,312; Mar. 9.
Miller, Elwood K. (See Carter, A. L., and Miller.)
Miller, Stuart P., Tenafly, N. J., assignor to The Barrett Co., New York, N. Y. Manufacturing paving blocks. 2,072,958; Mar. 9.
Miner, W. H., Inc. (See Fuchs, Henry, assignor.)
Minneapolis-Honeywell Regulator Company. (See Kuempel, Leon L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Taylor, Daniel G., assignor.)
Modern Equipment Company. (See Goldberg, Max W., assignor.)
Molinari, Vittorio, Bound Brook, N. J., assignor to Bakelite Corporation, New York, N. Y. Phenol recovery. 2,073,248; Mar. 9.
Monk, Basil, Sanderstead, and H. J. Rickwood, Hawkhurst, assignors to Tor Equipment Company Limited, Surrey, England. Stretcher and supports therefor. 2,073,524; Mar. 9.
Moore Corporation, The. (See Moore, Lewis, assignor.)
Moore, Lewis, assignor to The Moore Corporation, Joliet, Ill. Reversible stove. 2,073,165; Mar. 9.
Moorman, Charles L., Blue Island, Ill. Traffic marker. 2,073,166; Mar. 9.

Mordt, Erik J., Port Washington, N. Y. Muffler. 2,073,218; Mar. 9.
Morgan, John D., South Orange, N. J., and A. P. Sullivan, Long Island City, assignors to Doherty Research Company, New York, N. Y. Regulation of combustion. 2,073,249; Mar. 9.
Morpeth, William, and J. C. W. Heseltine, assignors to Vickers-Armstrongs Limited, Westminster, England. Percussion fuse. 2,073,250; Mar. 9.
Morris, John T., Los Angeles, Calif. Dispenser. 2,073,377; Mar. 9.
Morrison, Willard L., Lake Forest, Ill. Vehicle. 2,073,581; Mar. 9.
Morse, Robert G. (See Darlington, Philip J., assignor.)
Morse, Shirley P., East Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Reflector for electric heaters. 2,073,582; Mar. 9.
Moss, William H., London, England, assignor to Celanese Corporation of America. Manufacture of synthetic resins. 2,072,901; Mar. 9.
Moss, William H., London, England, assignor to Celanese Corporation of America. Manufacture of compositions of matter containing synthetic resins. 2,072,902; Mar. 9.
Motor Wheel Corporation. (See Valjean, Ben, assignor.)
Moulton, Harley C., Maplewood, assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Fur cutting machine. 2,073,219; Mar. 9.
Muhlenbruch, Fred, New York, N. Y. Progressive change speed mechanism. 2,073,284; Mar. 9.
Mulvaney, George E., Chicago, E. Roden, Dalton, and F. L. Cross, Chicago, Ill. Foot health exerciser. 2,072,959; Mar. 9.
Murray, Alexander, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Method and apparatus for ornamenting curved surfaces. 2,073,313; Mar. 9.
Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Surface cleaning means. 2,073,167; Mar. 9.
Myers, Leonard M., Middlesbrough, England, assignor to Radio Corporation of America. Voltmeter arrangement. 2,073,251; Mar. 9.
Nagel, August, Stuttgart, Germany, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Shutter release for folding cameras. 2,073,285; Mar. 9.
Nampa, Sulo M., Detroit, Mich., assignor to The Worth Company. Car loading device. 2,073,349; Mar. 9.
Narunsky, Solomon, Baltimore, Md. Nonrefillable container or bottle. 2,072,960; Mar. 9.
Nassau Smelting and Refining Company. (See Deitz, Louis S., Jr., assignor.)
National Malleable & Steel Castings Company. (See Shafer, James A., assignor.)
National Marking Machine Company. (See Sell, Francis M., assignor.)
National Supply Company of Delaware, The. (See Zerbe, Lewis E., assignor.)
Nelson, Charles E., Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill. Silencer. 2,072,961; Mar. 9.
Nelson, Herbert, Bloomfield, N. J., assignor to Radio Corporation of America. Phototube. 2,073,453; Mar. 9.
Nelson, William K. (See Anderson, A. P., and Nelson.)
Nernst, Walther, Berlin, Germany. Instrument producing music. 2,073,071; Mar. 9.
Newell, Robert E., Irwin, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Valve. 2,073,168; Mar. 9.
New York Central Railroad Company, The. (See Dodds, Ethan L., Jr., assignor.)
Nicolai, Fritz. (See Reppe, W., and Nicolai.)
Niederl, Joseph B., New York, N. Y., assignor to Röhm & Haas Company, Philadelphia, Pa. Para-tertiary, octyl-nitrophenols. 2,073,316; Mar. 9.
Norlin, Clarence F., Chicago, Ill. Pencil. 2,072,922; Mar. 9.
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Induction electric furnace. 2,073,597; Mar. 9.
Northwood Hosiery Co. (See Margerison, Earl, assignor.)
Norton Company. (See Belden, A. G., and Cole, assignors.)
Norton Company. (See Cole, Raymond A., assignor.)
Norton Company. (See Sanford, Baalis, assignor.)
Norton Company. (See Wood, Wallace H., assignor.)
Noyes, Bradford, Jr., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 2,073,395; Mar. 9.
Nuesslein, Joseph, and G. Balle, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuff preparations. 2,073,116; Mar. 9.
Obrecht, Norbert L., Pontiac, Mich. Automobile heater. 2,073,023; Mar. 9.
Ohio Nut & Bolt Company. (See Demboski, L., and Kay, assignors.)
Oil Equipment Manufacturing Company. (See Schaetzly, William F., assignor.)
Oil Well Supply Company. (See Maier, August R., assignor.)
Oliver United Filters Incorporated. (See Barnebl, August J., assignor.)
Olsen, Joseph O. (See Johnson, C., and Olsen.)
Olson, Gunner, Chicago, Ill. Electrical connecter. 2,073,378; Mar. 9.
Olson, Phillip W., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich. Removable lock. 2,073,583; Mar. 9.
Oman, Roy W., Los Angeles, Calif. Coffee making apparatus. 2,073,265; Mar. 9.
Örström, Gustaf. (See von Segebaden, E. S. D., and Örström.)
Osborn, Alden E., assignor to Simplex Improvements, Inc., New York, N. Y. Protector. 2,073,584; Mar. 9.
Osborn, Robert R., Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Wing truss. 2,073,350; Mar. 9.
Osman, William B., Indianapolis, Ind. Hanging directory holder. 2,073,351; Mar. 9.
Oswego Falls Corporation. (See La Bombard, Leon E., assignor.)
Ottenbacher, Willy E., assignor to P. Meyerhoff, Milwaukee, Wis. Permanent hair waving apparatus. 2,073,317; Mar. 9.
Otting, Herbert E., Westerville, and E. H. Browne, Columbus, Ohio, assignors to M. & R. Dietetic Laboratories, Inc. Treatment of milk products. 2,072,903; Mar. 9.
Owens, Edward W., Sioux City, Iowa. Marker for combined planters and cultivators. 2,073,562; Mar. 9.
Pacific Amusement Manufacturing Company. (See Reed, James W., assignor.)
Pacific Amusement Mfg. Company. (See Williams, Harry E., assignor.)
Palmer, Charles R., Cincinnati, assignor to The Palmer Company, St. Bernard, Ohio. Temperature display device. 2,073,252; Mar. 9.
Palmer Company, The. (See Palmer, Charles R., assignor.)
Palmer, Richard E. (See Butler, A. G., Palmer, and Payne.)
Pangborn Corporation. (See Rosenberger, William A., assignor.)
Parallex Corporation. (See Taylor, Robert B. M., assignor.)
Parisian Novelty Company. (See Komorous, Joseph, assignor.)
Parissi, Anthony J., Cohoes, N. Y. Telephone system. 2,073,585; Mar. 9.
Parissi, Anthony J., Cohoes, N. Y. Telephone system. 2,073,586; Mar. 9.
Parissi, Anthony J., Cohoes, N. Y. Telephone system. 2,073,587; Mar. 9.
Parkin, Thomas D., Broomfield, near Chelmsford, England, assignor to Radio Corporation of America. Thermionic oscillation generator. 2,073,117; Mar. 9.
Parmer, Joseph M., Bolling, Ala. Plow attachment. 2,073,169; Mar. 9.
Parva Products Company. (See Heinze, Paul, assignor.)
Payne, Samuel T. (See Butler, A. G., Palmer, and Payne.)
Pearmain, William J. (See Batten, P. H., and Pearmain.)
Pearson, Erick, Chicago, Ill. Apparatus for automatically controlling and matching electric generators. 2,073,426; Mar. 9.
Peaslee, Willetts. (See Theler, F. J., Johnston, and Peaslee.)
Peel, Frederick W., Bedford, Va., assignor to L. P. R. Company, New York, N. Y. Airplane. 2,073,318; Mar. 9.
Peiler, Karl E., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Feeding molten glass. 2,073,572; Mar. 9.
Peirson, George R., Medicine Lodge, Kans. Terminal. 2,073,118; Mar. 9.
Percy, Sheldon C., Seattle, Wash. Auxiliary band for clothes presses. 2,073,220; Mar. 9.
Perfumeter Corporation. (See Hein, Paul P., assignor.)
Pestarini, Giuseppe M., Sheffield, England. Dynamo-electric machine. 2,073,526; Mar. 9.
Pestarini, Joseph M., Grant City, N. Y. Controlling the electrical characteristics of direct current generators and transformers. 2,073,525; Mar. 9.
Peterson, Harold O., and E. F. Bond, Riverhead, N. Y., assignors to Radio Corporation of America. Pentode heterodyne detector. 2,073,454; Mar. 9.
Peterson, Justin, Saugus, Mass., assignor to General Electric Company. Circuit and apparatus for operating electric discharge lamps. 2,073,527; Mar. 1.
Petroleum Conversion Corporation. (See Evans, Drue M., assignor.)
Petroleum Conversion Corporation. (See Sachs, Albert P., assignor.)
Petroleum Rectifying Company of California. (See Kiech, Clarence F., assignor.)
Petroleum Rectifying Company of California. (See Woelflin, William, assignor.)
Pfau, George M., D. C. Bolin, and E. W. Zublin, assignors to Texas Pacific Coal & Oil Co., Fort Worth, Tex. Intimately mixing sulphuric acid and lubricating oil stock. 2,073,253; Mar. 9.
Phiel, Louis W., Elyria, Ohio. Concealed hinge. 2,073,119; Mar. 9.
Phillips, John, Oakland, Calif. Compressor. 2,072,990; Mar. 9.
Phillips, Lonnie H., New Albany, Miss. Log loading device. 2,073,563; Mar. 9.

Pieper, Arthur O., Brighton, N. Y. Floor mop. 2,073,170; Mar. 9.
Pikul, Joseph H., assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 2,072,991; Mar. 9.
Pittroff, William F., Union, Mo. Receptacle. 2,073,171; Mar. 9.
Plath, Theodore C. (See Robinson, H. H., and Plath.)
Plebanski, Jozef, Warsaw, Poland, assignor to Radio Patents Corporation, New York, N. Y. Radio system. 2,072,962; Mar. 9.
Pneu-Hydro Road Machinery Company. (See Wilcox, George R., assignor.)
Polysius, G., Aktiengesellschaft. (See Hoffmann, Joseph H., assignor.)
Pomeroy, Roy J., Los Angeles, Calif. Container. 2,073,120; Mar. 9.
Pontow, Werner, Berlin-Wilmersdorf, and G. Schroeder, Berlin-Charlottenburg, Germany. Regulating apparatus. 2,073,072; Mar. 9.
Porter, Roscoe C. (See Liddell, G. J., and Porter.)
Posnack, Emanuel R., Brooklyn, N. Y. Holder. 2,073,172; Mar. 9.
Potemkin, Louis, Pawtucket, R. I. Rake construction. 2,072,992; Mar. 9.
Potter, Albert T., Detroit, Mich., assignor to Ainsworth Manufacturing Corporation. Windshield regulator. 2,073,173; Mar. 9.
Potter, Albert T., Detroit, Mich., assignor to Ainsworth Manufacturing Corporation. Manufacturing steel tape. 2,073,174; Mar. 9.
Potter, Myron P., Cleveland, Ohio. Door stop. 2,073,024; Mar. 9.
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Concentration and broadcasting system. 2,073,266; Mar. 9.
Pressed Steel Company Limited. (See Greene, Reginald C., assignor.)
Princeton Inc. (See Fleisher, Harry, assignor.)
Prouty, Theodore C., deceased, by W. O. Prouty, administrator, Hermosa Beach, assignor, by mesne assignments, to Metlox Corporation, Ltd., Manhattan Beach, Calif. Vehicle spring suspension device. 2,073,267; Mar. 9.
Prouty, Willis O., administrator. (See Prouty, Theodore C.)
Prue, Walter W., Auburn, Maine, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe bottom unit and making the same. 2,073,025; Mar. 9.
Pruitt, Raymond S., trustee, et al. (See Litchfield, Isaac W., assignor.)
Przyborowski, Stanislaus, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Automobile radiator core. 2,073,588; Mar. 9.
Public of the United States of America. (See Balls, A. K., and Swenson.)
Quadrex Corporation, The. (See Leathers, Ward, assignor.)
Quinn, Clara E., assignor to Drilce Appliances Incorporated, Mount Vernon, Ill. Refrigerating cabinet. 2,073,175; Mar. 9.
Quinn, Clara E., assignor to Drilce Appliances Incorporated, Mount Vernon, Ill. Refrigerating apparatus and method. 2,073,176; Mar. 9.
Radio Corporation of America. (See Baldwin, C. F., and Bokovoy, assignors.)
Radio Corporation of America. (See Farnham, Paul O., assignor.)
Radio Corporation of America. (See Goldsmith, A. N., and Goldsborough, assignors.)
Radio Corporation of America. (See Harding, A. T., and Dunleavey, assignors.)
Radio Corporation of America. (See Kelley, Gerard J., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Malter, Louis, assignor.)
Radio Corporation of America. (See Myers, Leonard M., assignor.)
Radio Corporation of America. (See Nelson, Herbert, assignor.)
Radio Corporation of America. (See Parkin, Thomas D., assignor.)
Radio Corporation of America. (See Peterson, H. O., and Bond, assignors.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Shanklin, John P., assignor.)
Radio Corporation of America. (See Sinnett, Chester M., assignor.)
Radio Corporation of America. (See Smith, Jerome C., assignor.)
Radio Corporation of America. (See Travis, Charles, assignor.)
Radio Corporation of America. (See Verman, L. C., and Richards, assignors.)
Radio Corporation of America. (See Wells, Norman, assignor.)
Radio Corporation of America. (See Witts, Alfred T., assignor.)
Radio Corporation of America. (See Zeman, Arthur F., assignor.)
Radio Patents Corporation. (See Plebanski, Jozef, assignor.)
Ranco Incorporated. (See Raney, Estel C., assignor.)
Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Motor overload cut-out switch. 2,073,286; Mar. 9.
Rasmussen, Clarence H., Des Moines, Iowa. Stencil device. 2,073,379; Mar. 9.
Ray, Philip A., assignor to Hercules Powder Company, Wilmington, Del. Ore flotation. 2,073,492; Mar. 9.
Ray, William A., and W. R., San Francisco, Calif., assignors to General Controls Company. Low water cut-out. 2,073,268; Mar. 9.
Ray, William R. (See Ray, William A., and W. R.)
Raybestos-Manhattan, Inc. (See Cook, Judson A., assignor.)
Redman, Allen B., assignor to T. C. Wheaton Co., Millville, N. J. Method and mold for casting glass. 2,073,254; Mar. 9.
Reece Button Hole Machine Company, The. (See Pikul, Joseph H., assignor.)
Reece, Wade W., and L. W. Haas, Chicago, Ill., assignors to The W. E. Long Co. Apparatus for cooling bakery products. 2,073,221; Mar. 9.
Reed, James W., assignor to Pacific Amusement Manufacturing Company, Chicago, Ill. Game apparatus. 2,073,177; Mar. 9.
Remmers, Walter E., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Ferro-magnetic alloy. 2,073,455; Mar. 9.
Renfrew, Paul B., and R. W. Bond, assignors to S. F. Bowser Company, Inc., Fort Wayne, Ind. Liquid purifying apparatus and process. 2,073,026; Mar. 9.
Reppe, Walter, and F. Nicolai, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of ethane dithio ethers. 2,073,589; Mar. 9.
Reppman, Albert, deceased, by Maria Reppman, West Kensington, London, assignor to Woodwool Wrappings Limited, London, England. Manufacture of wrappings. 2,073,564; Mar. 9.
Reppman, Maria, executrix. (See Reppman, Albert.)
Republic Flow Meters Company. (See Cunningham, James D., assignor.)
Rex-Hide, Incorporated. (See Kempel, Arthur B., assignor.)
Reynolds Corporation. (See Coddington, Edwin D., assignor.)
Rich, George R., Battle Creek, Mich. Composite metal motor valve. 2,073,178; Mar. 9.
Richards, Lorenzo A. (See Verman, L. C., and Richards.)
Richardson, Alan C., Berkeley, and D. T. Saxby, Oakland, assignors to California Packing Corporation, San Francisco, Calif. Method and apparatus for filling containers. 2,072,963; Mar. 9.
Ricks, Fred, and J. H. Andrews, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Edging machine. 2,073,027; Mar. 9.
Rickwood, Henry J. (See Monk, B., and Rickwood.)
Ries, Emil D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of organic compounds. 2,072,904; Mar. 9.
Riffey, Edgar W., assignor of one-third to Virgil H. Kirkham, Springfield, Ohio. Internal combustion engine. 2,073,179; Mar. 9.
Riley, Eugene X., Sparrows Point, Md. Cleaning and polishing tin plate. 2,073,427; Mar. 9.
Rink, Russell W., Coronado, Calif. Counteracting shock absorber. 2,073,180; Mar. 9.
Roberts, Joseph K., Hammond, and G. W. Watts, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill. Stabilization of low boiling hydrocarbon oils and particularly cracked hydrocarbon vapors. 2,073,073; Mar. 9.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Self-controlled automatic gain control circuit. 2,072,964; Mar. 9.
Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,073,028; Mar. 9.
Robertshaw Thermostat Company. (See Newell, Robert E., assignor.)
Robertson, H. H., Company. (See Coffman, Alden W., assignor.)
Robinson, Foster G., Bristol, England. Paper bag. 2,073,222; Mar. 9.
Robinson, Henry H., and T. C. Plath, assignors to Robinson Orifice Fitting Company, Los Angeles, Calif. Valve. 2,072,965; Mar. 9.
Robinson, Joseph, New York, N. Y., assignor of one-half to Roy M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe connecter. 2,072,905; Mar. 9.
Robinson Orifice Fitting Company. (See Robinson, H. H., and Plath, assignors.)
Rock-Lee Products Co. (See Lee, William B., assignor.)
Rock-Ola Manufacturing Company. (See Smyth, Paul H., Jr., assignor.)
Rock-Ola Manufacturing Corporation. (See Williams, Harry E., assignor.)
Roden, Edward. (See Mulvaney, G. E., Roden, and Cross.)
Rogers, Donald A. (See Fogler, M. F., and Rogers.)
Röhm & Haas Company. (See Niederl, Joseph B., assignor.)

Roller, Franz, Stuttgart, assignor to Daimler Benz Aktiengesselschaft, Stuttgart-Unterturkheim, Germany. Motor vehicle. 2,073,029; Mar. 9.
Rosay, Joseph, Armonk, N. Y. Switch. 2,073,319; Mar. 9.
Rose, Hilton W., Seattle, Wash. Determining color density of liquids. 2,073,223; Mar. 9.
Rose, Jay, Brooklyn, N. Y. Shoe shield. 2,073,181; Mar. 9.
Roseman, Leo, Newark, N. J. Multiple stitch sewing machine. 2,072,966; Mar. 9.
Roseman, Leo, Newark, N. J. Continuous variable stitch sewing machine. 2,072,967; Mar. 9.
Roseman, Leo, Newark, N. J. Slide-operated separable fastener. 2,073,380; Mar. 9.
Rosenberger, William A., assignor to Pangborn Corporation, Hagerstown, Md. Filtering and collecting apparatus. 2,072,906; Mar. 9.
Ross, Ernest, Elmhurst, assignor to United Research Corporation, Long Island City, N. Y. Pad roller and mounting therefor. 2,073,224; Mar. 9.
Ross, Ernest, Elmhurst, and A. S. Eliason, Whitestone, assignors to United Research Corporation, Long Island City, N. Y. Pad roller assembly. 2,073,225; Mar. 9.
Rowand, Lewis G., Brooklyn, N. Y. Concentration of ores by electromagnetic separation. 2,072,907; Mar. 9.
Rowe, Clement J. (See Kindl, C. H., and Rowe.)
Rubinstein, Samuel B., New York, N. Y. Electron tube. 2,073,598; Mar. 9.
Ruppel, Sigwart, Berlin, Germany, by Frida Strauss, nee Ruppel, heir of Sigwart Ruppel, deceased. Electric circuit breaker. 2,073,565; Mar. 9.
Ryan, Wm. S. (See Bartlett, W., and Carpenter, assignors.)
Sachs, Albert P., assignor to Petroleum Conversion Corporation, New York, N. Y. Treating crude oil. 2,073,456; Mar. 9.
Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Making printing rolls. 2,073,528; Mar. 9.
Saint-Jacques, Eugéne C., Paris, France. Separator. 2,073,520; Mar. 9.
Salvatori, Henry, Hollywood, Calif., assignor to Western Geophysical Company, Tulsa, Okla. Energy transmission. 2,073,493; Mar. 9.
Sambleson, Robert F., Bridgeport, Conn., assignor to General Electric Company. Electric switch. 2,073,529; Mar. 9.
Sandvik, Otto, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Method and apparatus for reproducing sound. 2,073,287; Mar. 9.
Sanford, Baalis, assignor to Norton Company, Worcester, Mass. Making abrasive wheels. 2,073,590; Mar. 9.
Sauer, Henry J., assignor to The Kilborn-Sauer Company, Fairfield, Conn. Vehicle lamp. 2,073,074; Mar. 9.
Sauer, Oskar, Philadelphia, Pa. Producing textile fabrics. 2,073,494; Mar. 9.
Saxby, Donald T. (See Richardson, A. C., and Saxby.)
Schaeffer, Harry J., assignor to Johnson & Johnson, New Brunswick, N. J. Sanitary napkin. 2,073,591; Mar. 9.
Schaetzly, William F., assignor to Oil Equipment Manufacturing Company, Incorporated, Louisville, Ky. Swing joint. 2,073,255; Mar. 9.
Schaffer, John A., Manon, assignor to Her Majesty Underwear Co., Philadelphia, Pa. Garment. 2,073,495; Mar. 9.
Scharlau, Hans, assignor to Telefunken Gesellschaft, fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Adjustable direction-finder chart. 2,073,352; Mar. 9.
Schaub, Jacob, Westfield, N. J., assignor to The Best Foods, Inc., New York, N. Y. Apparatus for preparing butter substitutes. 2,073,353; Mar. 9.
Schellenbach, William L. (See Blackburn, W. M., and Schellenbach.)
Scherer, John R., Rosemead, Calif. Tennis net. 2,073,182; Mar. 9.
Schering-Kohlbaum A. G. (See Schoeller, W., and Junkmann, assignors.)
Scheubner, George C., Essex, Conn. Portable extension for davits. 2,073,566; Mar. 9.
Schlegel, Alfred A. (See Grant, R. S., and Schlegel.)
Schley, Jack A., et al. (See Cumpston, Kermit B., assignor.)
Schmelkes, Franz C., Montclair, and H. C. Marks, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Solutions of organic chlorine compounds. 2,073,256; Mar. 9.
Schmid, Alfred, Bern, Switzerland. Electric high-tension apparatus, particularly for medical purposes. 2,073,428; Mar. 9.
Schmid, Herman. (See Lencke, J. K., and Schmid.)
Schneider & Cie. (See Fleux, Jean, assignor.)
Schneider, Wilhelm, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Naphthoxo-trimethine cyanines. 2,072,908; Mar. 9.
Schoeller, Walter, Berlin-Westend, and K. Junkmann, Berlin, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Recovery of hormones. 2,073,354; Mar. 9.
Scholz, Alfred M., assignor to Trent Machine Company, Inc., Trenton, N. J. Washer distributing mechanism. 2,073,396; Mar. 9.
Schrickel, Carl T., St. Louis, Mo. Guitar attachment. 2,073,226; Mar. 9.
Schroeder, Günther. (See Pontow, W., and Schroeder.)
Schultz, William O. (See Steinmayer, A. G., and Schultz.)
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse construction. 2,073,183; Mar. 9.
Schulz, Herbert, Berlin, Germany. Centrifugal machine. 2,073,496; Mar. 9.
Schutsch, Walter, New York, and G. Kaeding, Bronx, N. Y. Tooth pick dispensing apparatus. 2,072,923; Mar. 9.
Schwarzbaum, Hartley D., New York, N. Y., and E. C. Keyworth, Gardner, Mass., assignors to Bilt-Rite Baby Carriage Co., Brooklyn, N. Y. Spring suspension for a baby carriage body. 2,073,497; Mar. 9.
Schwarzschild, Myron M., Brooklyn, N. Y. Diagnostic indicator. 2,073,457; Mar. 9.
Schweitzer & Conrad, Inc. (See Conrad, Nicholas J., assignor.)
Schweitzer, Howard V., Cleveland, Ohio. Apparatus for cleaning articles of ceramic materials. 2,073,184; Mar. 9.
Sciarra, Giustino, Isernia, Italy. Automatic machine for the manufacture of alimentary paste. 2,073,567; Mar. 9.
Sears, Roebuck and Co. (See Horsrud, Ole, assignor.)
Seck, Frank C., Oklahoma City, Okla. Liquefier system for solidified carbon dioxide. 2,073,121; Mar. 9.
See Fabriks Aktiebolag. (See Gille, N. J., and Hansson, assignors.)
Seez, Christian J., Philadelphia, Pa. Ashtray. 2,073,498; Mar. 9.
Sefcik, Joseph J., Jr., Morris Plains, N. J., assignor to American Telephone and Telegraph Company. Guy clamp holder. 2,073,030; Mar. 9.
Sell, Francis M., assignor to The National Marking Machine Company, Cincinnati, Ohio. Laundry identification. 2,073,381; Mar. 9.
Serruys, Max Y. A., Paris, France. Method and arrangement for the operation of internal combustion engines. 2,073,288; Mar. 9.
Servel, Inc. (See Bergholn, Harry K., assignor.)
Servel, Inc. (See Kögel, W., and Widell, assignors.)
Shafer, George E., assignor to The American Rolling Mill Company, Middletown, Ohio. Channel structure for metal arches. 2,073,185; Mar. 9.
Shafer, James A., East Cleveland, assignor to National Malleable & Steel Castings Company, Cleveland, Ohio. Car truck. 2,073,075; Mar. 9.
Shanklin, John P., Riverhead, N. Y., assignor to Radio Corporation of America. Signaling system. 2,073,409; Mar. 9.
Shapiro, Isaac, et al. (See Balton, James, assignor.)
Shapiro, Joseph, et al. (See Balton, James, assignor.)
Shapiro, Nathan, et al. (See Balton, James, assignor.)
Shapiro, Samuel, et al. (See Balton, James, assignor.)
Shaw, John C. M., Mangum, Okla. Adjustable truss pad. 2,073,289; Mar. 9.
Shaw-Perkins Manufacturing Company. (See Winsborough, P., and Davis, assignors.)
Shearer, Paul, assignor to C. H. Maslund & Sons, Inc., Carlisle, Pa. Carpet weaving. 2,073,227; Mar. 9.
Shell Development Company. (See Anderson, A. P., and Nelson, assignors.)
Shell Development Company. (See Hohmann, Henri M., and de Wilde, assignors.)
Shell Development Company. (See Van Peski, Adrianus J., assignor.)
Shelton, Dwight J., assignor to The Marion Steam Shovel Company, Marion, Ohio. Excavating machine. 2,073,539; Mar. 9.
Sherman, Harry E., Alton, assignor to The Equitable Powder Manufacturing Company, East Alton, Ill. Signal torch. 2,073,530; Mar. 9.
Shields, Thomas P., North Arlington, N. J. Finger ring. 2,073,228; Mar. 9.
Shipton, Edward, London, England. Manually operable selector. 2,073,568; Mar. 9.
Shotter, George F. (See Wedmore, E. B., and Shotter.)
Shuey, Ralph C., Mountain Lakes, N. J., assignor to Bakelite Corporation, New York, N. Y. Printing ink compositions. 2,073,229; Mar. 9.
Sieber, Heinrich. (See Eckert, W., and Sieber.)
Siegel, Joseph, New York, N. Y. Composite garment. 2,073,230; Mar. 9.
Siegel, Joseph, New York, N. Y. Composite garment. 2,073,231; Mar. 9.
Siegel, Joseph, New York, N. Y. Coat. 2,073,232; Mar. 9.
Siemens & Halske, A. G. (See Kniepkamp, Heinrich, assignor.)
Siemiana, Casimir, Bay City, Mich. Automatic axle adjuster. 2,073,322; Mar. 9.
Silent, Harold C., Hollywood, Calif., assignor, by mesne assignments, to Western Electric Company Incorporated. Sound recording system. 2,073,458; Mar. 9.
Silex Company, The. (See Wolcott, Frank E., assignor.)
Silke, George P., Vancouver, British Columbia, Canada. Placer mining device. 2,073,122; Mar. 9.
Simplex Improvements, Inc. (See Osborn, Alden E., assignor.)
Simplex Products Corporation. (See Solenberger, Dean M., assignor.)
Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Phonograph pick-up circuit. 2,072,968; Mar. 9.

Skibbe, William J., Des Moines, Iowa. Antijackknife fifth wheel. 2,073,269; Mar. 9.
Sly, Caryl, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of octadecanediol. 2,073,031; Mar. 9.
Smith, Andrew, assignor to Van Dyke Knitting Co., Milwaukee, Wis. Feeding and blanking machine. 2,073,320; Mar. 9.
Smith, Calvin B., et al. (See McQuiston, Raymond C., assignor.)
Smith, Clarence M., Cleveland, Ohio. Dispensing device. 2,073,076; Mar. 9.
Smith, Cyril S., Cheshire, assignor to The American Brass Company, Waterbury, Conn. Brazing solder. 2,073,077; Mar. 9.
Smith, Franklin S., New Haven, Conn. Electric condenser construction and making the same. 2,073,355; Mar. 9.
Smith, Fred. (See Haworth, W. N., Hirst, Jones, and Smith.)
Smith, Jerome C., Merchantville, N. J., assignor to Radio Corporation of America, New York, N. Y. Electron discharge device; Mar. 9.
Smith, Ralph R., Cleveland, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Display device. 2,073,321; Mar. 9.
Smith, Rolf M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,073,123; Mar. 9.
Smith, S. Morgan Company. (See Andrews, Albert W., assignor.)
Smith, William L., Jr. (See Lawson, R. H., and Smith.)
Smyth, Paul H., Jr., assignor to Rock-Ola Manufacturing Company, Chicago, Ill. Clutch. 2,072,924; Mar. 9.
Société d'Electro-Chimie, d'Electrométallurgie et des Acieries Electriques d'Ungine. (See Lepp, Henry, assignor.)
Société d'Electro-Chimie, d'Electrométallurgie et des Acieries Electriques d'Ugine et al. (See Lepp, Henry, assignor.)
Solenberger, Dean M., Cleveland, Ohio, assignor to Simplex Products Corporation. Piston expander. 2,073,499; Mar. 9.
Solosko, Abraham, Chicago, Ill. Pulling die. 2,072,925; Mar. 9.
Solvay Process Company, The. (See Fogler, M. F., and Rogers, assignors.)
Somondson, William, Thief River Falls, Minn. Liquid sprayer. 2,073,569; Mar. 9.
Sopp, Richard A., assignor to Surety Products Company, St. Louis, Mo. Piston ring. 2,073,500; Mar. 9.
Spicher, Jay L., Millersburg, Pa. Toilet paper roll holder. 2,073,429; Mar. 9.
Stair, Carlyle B., Downers Grove, Ill. Polishing machine. 2,073,124; Mar. 9.
Standard Cap and Seal Corporation. (See Weiss, George, assignor.)
Standard Oil Company. (See Ducommun, J. C., and Yant, assignors.)
Standard Oil Company. (See FitzSimons, O., and Bahlke, assignors.)
Standard Oil Company. (See Roberts, J. K., and Watts, assignors.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Standard Products Company, The. (See McKinney, Carlos J., assignor.)
Stanley Works, The. (See Volz, Frederick A., assignor.)
Stargardter, Albert R., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Coloring and hardening steel. 2,073,501; Mar. 9.
Stargardter, Albert R., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor blade and blade strip. 2,073,502; Mar. 9.
Starkey, William C., trustee et al. (See Litchfield, Isaac W., assignor.)
Stauffer Chemical Company. (See Zender, Justin, assignor.)
Steimer, Charles M., executor. (See Steimer, Theodore C.)
Steimer, Theodore C., Dormont, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glassworking apparatus. 2,073,571; Mar. 9.
Steimer, Theodore C., deceased, Pittsburgh, Pa., by C. M. Steimer, Zanesville, Ohio, executor, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass feeding mechanism. 2,073,573; Mar. 9.
Stein, Hall Manufacturing Company. (See Hart, Walter H., assignor.)
Steinmayer, Alwin G., Milwaukee, and W. O. Schultz, South Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. Housed type of drop-out fuse. 2,073,186; Mar. 9.
Steinthal, Martin, New York, N. Y. Holder for loose cards. 2,073,233; Mar. 9.
Stelzer, Franz H. B., assignor to "Universalle" Cigarettenmaschinenfabrik J. C. Mueller & Co., Dresden, Germany. Packaging short filler tobacco. 2,073,323; Mar. 9.
Stephenson, William, Rutherford, N. J., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Plate clamp for printing machines. 2,072,909; Mar. 9.
Stiles, Hugh R., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Regulating the hydrogen ion concentration of fermentation mashes. 2,073,125; Mar. 9.
Stimson, Ralph J., Flint, Mich. Spring suspension for vehicles. 2,073,032; Mar. 9.
Stockton, Roscoe K., Denver, Colo. Game and game apparatus. 2,073,324; Mar. 9.
Stokes, F. J., Machine Co. (See Westin, Charles J., assignor.)
Straeten, Charles L. (See Dziedzic, N. J., and Straeten.)
Strauss, née Ruppel, Frida, heir. (See Ruppel, Sigwart.)
Stromberg Electric Company. (See Jackson, Edward B., assignor.)
Sturtevant, B. F., Company. (See Hobbs, James C., assignor.)
Sullivan, Alan P. (See Morgan, J. D., and Sullivan.)
Surety Products Company. (See Sopp, Richard A., assignor.)
Sutherland, Frank S., Chicago, Ill. Swimming shoe. 2,073,570; Mar. 9.
Sutton, Harry A., Buffalo, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Sliding hood. 2,073,325; Mar. 9.
Sweet, Cecil H., Brea, assignor to John Grant, Los Angeles, Calif. Well cleaning system. 2,073,126; Mar. 9.
Swenson, Theodore L. (See Balls, A. K., and Swenson.)
Swisher, Thomas H., Scotia, N. Y., assignor to General Electric Company. Mercury vapor detector. 2,073,531; Mar. 9.
Szasz, Geza, Berlin, Germany. Photographic duplicating process. 2,073,033; Mar. 9.
Tandler, William S., assignor to Lefer Patent Company, Inc., New York, N. Y. Pattern mechanism. 2,072,969; Mar. 9.
Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Scroll saw. 2,073,430; Mar. 9.
Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,073,326; Mar. 9.
Taylor Instrument Companies. (See Noyes, Bradford, Jr., assignor.)
Taylor, Robert B. M., assignor, by mesne assignments, to Parallex Corporation, Newark, N. J. Binder. 2,073,503; Mar. 9.
Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of textile or other materials. 2,072,926; Mar. 9.
Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of artificial textile materials. 2,072,927; Mar. 9.
Taylor, William I., and L. B. Gibbins, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of artificial materials. 2,072,928; Mar. 9.
Teague, Monroe M., Lenoir, N. C. Fluid pressure veneer press. 2,073,290; Mar. 9.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Scharlau, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Wilhelm, Karl, assignor.)
Teletype Corporation. (See Potts, Louis M., assignor.)
Templeton, Edwin G., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Collapsible tire building drum. 2,073,291; Mar. 9.
Tennessee Valley Authority. (See Curtis, Harry A., assignor.)
Texas Pacific Coal & Oil Co. (See Pfau, G. M., Bolin and Zublin, assignors.)
Thayer-Action Company. (See Dasenbrook, Charles H., assignor.)
Thelen, Elda Valetta M., et al. (See Thelen, Otto H. L., assignor.)
Thelen, Otto H. L., assignor to O. R. B. L., R. C. W., and E. V. M. Thelen, Marblehead, Mass. Shoe and shoe part. 2,072,929; Mar. 9.
Thelen, Otto R. B. L., et al. (See Thelen, Otto H. L., assignor.)
Thelen, Reinhard C. W., et al. (See Thelen, Otto H. L., assignor.)
Theler, Frederick J., Cincinnati, G. V. Johnston, Loveland, and W. Peaslee, Cincinnati, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Lapping machine. 2,073,079; Mar. 9.
Thom, Fredrick W., St. Paul, Minn. Sharpening device. 2,072,970; Mar. 9.
Thomas, Errold B., et al. (See McQuiston, Raymond C., assignor.)
Thomas, Errold B., Newton, Mass., assignor to International Cellucotton Products Company, Chicago, Ill. Absorbent package or pad. 2,073,410; Mar. 9.
Thompson, John A., et al. (See Martin, Otis H., assignor.)
Thomson, Hugh E. (See Kingdon, K. H., and Thomson.)
Thurston, George M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Temperature control system and method. 2,073,459; Mar. 9.
Thyson, Nimmo C., Miami, Fla. Radio broadcasting and communication system. 2,073,034; Mar. 9.
Tide Water Associated Oil Company. (See Ellsberg, Edward, assignor.)
Tinius Olsen Testing Machine Company. (See Lewis, Robert B., assignor.)

Titanium Alloy Manufacturing Company, The. (See Kinzie, C. J., and Hake, assignors.)
Tittle, Theodore H., Springfield, Ohio. Agitator for washing machines. 2,073,540; Mar. 9.
Todendenkyu Kabushiki Kaisha. (See Yajima, Rinjiro, assignor.)
Tor Equipment Company. (See Monk, B., and Rickwood, assignors.)
Torchet, Pierre, Riouperoux, France, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Oslo, Norway. Electrode suspension. 2,073,356; Mar. 9.
Touceda, Enrique G., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Alloy. 2,072,910; Mar. 9.
Touceda, Enrique G., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Alloy. 2,072,911; Mar. 9.
Towns, Victor W. H. (See Guthrie, W. J., and Towns.)
Travis, Charles, Philadelphia, Pa., assignor to Radio Corporation of America. Automatic tone control circuit. 2,073,504; Mar. 9.
Trent Machine Company. (See Scholz, Alfred M., assignor.)
Trenzen, Carl, Venlo, Netherlands. Discharge tube. 2,073,431; Mar. 9.
Trofimov, Lev A., Cleveland Heights, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Motor control system. 2,073,382; Mar. 9.
Trott, Arthur J., Greensburg, Pa., assignor to Walworth Patents Inc., Boston, Mass. Valve. 2,073,541; Mar. 9.
Turney, Eugene T., Holmes, N. Y. Milling machine. 2,073,505; Mar. 9.
Twin Disc Clutch Company. (See Batten, P. H., and Pearmain, assignors.)
Ulrey, Clayton T., East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Electronic switch. 2,072,993; Mar. 9.
Underwood Elliott Fisher Company. (See Cohoe, Wallace P., assignor.)
Underwood Elliott Fisher Company. (See Hausman, Walter J., assignor.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Underwood Elliott Fisher Company. (See Wise, Elmer L., assignor.)
Union Carbide and Carbon Corporation. (See Smith, Ralph R., assignor.)
Union Special Machine Company. (See Christensen, Norman V., assignor.)
United American Bosch Corporation. (See Wild, J. E., and Long, assignors.)
United Gas Improvement Company, The. (See Ward, A. L., and Jordan, assignors.)
United Research Corporation. (See Ross, Ernest, assignor.)
United Research Corporation. (See Ross, E., and Eliason, assignors.)
United Shoe Machinery Corporation. (See Eppler, Andrew, assignor.)
United Shoe Machinery Corporation. (See Megathlin, Ralph S., assignor.)
United Shoe Machinery Corporation. (See Prue, Walter W., assignor.)
United Shoe Machinery Corporation. (See Ricks, F., and Andrews, assignors.)
United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
United States Gauge Company. (See Willach, B., Aschenbach, Gruver, and Klein, assignors.)
Universal Hydraulic Corporation. (See Kinzie, Phillip A., assignor.)
Universal Oil Products Company. (See Fisher, Alfred, assignor.)
"Universelle" Cigarettenmaschinenfabrik J. C. Mueller & Co. (See Stelzer, Franz H. B., assignor.)
Upp, Ada R., assignor of one-half to Abe Dinkins, Woodlake, Calif. Portable packing and weighing stand. 2,073,127; Mar. 9.
Urschel, Bertis H., Bowling Green, Ohio. Tubular axle. 2,073,035; Mar. 9.
Valjean, Ben, assignor to Motor Wheel Corporation, Lansing, Mich. Combustion apparatus. 2,073,270; Mar. 9.
Vanak Corporation. (See Knee, Aaron A., assignor.)
Van Dyke Knitting Co. (See Smith, Andrew, assignor.)
Van Peski, Adrianus J., Bussum, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Lowering the pour points of mineral oils. 2,073,080; Mar. 9.
Van Riper, Raymond D., Pittsburgh, Pa. Food slicing device. 2,073,257; Mar. 9.
Varilux Holding Corporation. (See Knobel, Max, assignor.)
Verman, Lal C., Bangalore, India, and L. A. Richards, Ithaca, N. Y., assignors, by mesne assignments, to Radio Corporation of America. Electric amplifier. 2,073,234; Mar. 9.
Vickers-Armstrongs Limited. (See Morpeth, W., and Heseltine, assignors.)
Vigers, Brian E. A., Dunstable, England, assignor to Imperial Chemical Industries, Limited. High vacuum distillation and apparatus therefor. 2,073,327; Mar. 9.
Vissat, Anthony L., Bridgeville, Pa. Brake operating mechanism. 2,073,081; Mar. 9.
Voigt, Paul A., Ozone Park, N. Y., assignor to Johns-Manville Corporation, New York, N. Y. Wall assembly. 2,073,036; Mar. 9.
Volz, Frederick A., assignor to The Stanley Works, New Britain, Conn. Collable measuring rule. 2,073,235; Mar. 9.
Von Heydekampf, Gerd S., Ridley Park, Pa., assignor to Baldwin-Southwark Corporation. Load indicating system. 2,072,912; Mar. 9.
Von Segebaden, Ernst S. D., Drottningholm, and G. Örström, Alsten, assignors to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Machine for manufacturing packages. 2,073,432; Mar. 9.
Voorduin, William L., Knoxville, Tenn. Power house structure. 2,072,930; Mar. 9.
Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Reclaiming lubricating oils. 2,073,506; Mar. 9.
Vosbikian, Peter S., and T. S. Vosbikian, Philadelphia, Pa. Hedge shears. 2,073,460; Mar. 9.
Vosbikian, Thomas S. (See Vosbikian, Peter S., and T. S.)
Wadsworth, Clair W., assignor to Hunter Arms Co., Inc., Fulton, N. Y. Firearm. 2,073,128; Mar. 9.
Wagner, Max., Stuttgart, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Motor vehicle. 2,072,994; Mar. 9.
Wait, Conant, and V. B. Wait, Beverly Hills, Calif. Coin controlled doorbell system. 2,073,129; Mar. 9.
Wait, Valerie B. (See Wait, Conant, and V. B.)
Waite, Ralph B., and S. C. Waite, Springville, N. Y., said R. B. Waite assignor to said S. C. Waite. Dispensing closure. 2,073,292; Mar. 9.
Waite, Sheridan C. (See Waite, Ralph B., and S. C.)
Wallace, David A., Detroit, Mich. Tile construction. 2,073,130; Mar. 9.
Wallace & Tiernan Products, Inc. (See Schmelkes, F. C., and Marks, assignors.)
Wallis, John S., assignor to Alco Products, Inc., New York, N. Y. Fractionating and condensing unit. 2,073,258; Mar. 9.
Walter, Charles T., assignor to Industrial Products Corporation, Chicago, Ill. Slicing machine. 2,073,082; Mar. 9.
Walter, Georg, Vienna, Austria. Manufacture of condensation products from nonaliphatic sulphamides and aldehydes. 2,072,971; Mar. 9.
Walters, John T., Toronto, Ontario, assignor to Canada Cycle and Motor Company Limited, Weston, Ontario, Canada. Boot tongue. 2,073,542; Mar. 9.
Walworth Patents Inc. (See Trott, Arthur J., assignor.)
Ward, Alger L., Upper Darby, and C. W. Jordan, Paoli, assignors to The United Gas Improvement Company, Philadelphia, Pa. Gas purification. 2,073,083; Mar. 9.
Wasserlein, Henry G. Sr., East Cleveland, Ohio. Golf tee and magazine therefor. 2,073,328; Mar. 9.
Watterson, Robert S. Jr., assignor to The Western Union Telegraph Company, New York, N. Y. Tape affixing device. 2,073,433; Mar. 9.
Watts, E. R. & Son Limited. (See Guthrie, W. J., and Towns, assignors.)
Watts, George W. (See Roberts, J. K., and Watts.)
Webb, Harold L., Webster Groves, Mo. Sprinkling device. 2,073,187; Mar. 9.
Webb, Hartwell W., Leonia, N. J. Manufacture of artificial silk and the like. 2,073,271; Mar. 9.
Webb, Jervis B., Royal Oak, Mich. Conveyer. 2,073,131; Mar. 9.
Weber, William J., South Norwalk, Conn. Fastener. 2,073,037; Mar. 9.
Wedmore, Edmund B., and G. F. Shotter, London, England. Bearing. 2,073,434; Mar. 9.
Weidenhoff, Joseph. (See Haskins, Butler J., assignor.)
Weijlard, John, assignor to Merck & Co. Inc., Rahway, N. J. Intermediate for preparation of hormones and its production. 2,072,913; Mar. 9.
Weimont, Joseph, Bogota, N. J., assignor to A. Kimball Company, New York, N. Y. Price tag marking machine. 2,073,507; Mar. 9.
Weiss, George, Des Plaines, assignor to Standard Cap and Seal Corporation, Chicago, Ill. Bottle closure and applying same. 2,073,084; Mar. 9.
Wellman, Charles P., Medford, Mass. Locking container. 2,073,272; Mar. 9.
Wells, Norman, Sheen, London, England, assignor to Radio Corporation of America. High frequency feeder arrangement suitable for use with radio aerial systems. 2,073,085; Mar. 9.
Wemp, Ernest E., Detroit, Mich. Fluid coupling and control. 2,073,357; Mar. 9.
Wernmark, Carl G., Los Angeles, assignor of one-fourth to H. W. Landeen, one-fourth to H. A. Landeen, and one-fourth to A. J. "Mac" McDonald, Hollywood, Calif. Shoe construction. 2,073,543; Mar. 9.
Westerdahl, Wilhelm O., Stockholm, Sweden. Roller skate. 2,073,435; Mar. 9.
Western Electric Company. (See Cerwin, Steven S., assignor.)
Western Electric Company. (See Franz, Erwin E., assignor.)

Western Electric Company. (See Fruth, H. F., and Borland, assignors.)
Western Electric Company. (See Green, Charles W., assignor.)
Western Electric Company. (See Knoth, Richard B., assignor.)
Western Electric Company. (See Remmers, Walter E., assignor.)
Western Electric Company Incorporated. (See Lord, Reginald B., assignor.)
Western Electric Company Incorporated. (See Silent, Harold C., assignor.)
Western Geophysical Company. (See Salvatori, Henry, assignor.)
Western Union Telegraph Company, The. (See Watterson, Robert S. Jr., assignor.)
Westin, Charles J., Philadelphia, Pa., assignor to F. J. Stokes Machine Company. Rotary pump. 2,073,188; Mar. 9.
Westinghouse Electric and Manufacturing Company. (See Ulrey, Clayton T., assignor.)
Wetstein, Jacob, deceased, New York, N. Y., E. Korn and F. W. Winters, executrices. Preparing beverages. 2,073,273; Mar. 9.
Wheaton, T. C., Co. (See Redman, Allen B., assignor.)
Wheeler, Clyde H., Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collecting apparatus. 2,072,972; Mar. 9.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Radio receiving system. 2,073,038; Mar. 9.
White Motor Company, The. (See Church, Harold D., assignor.)
Whitehead, William. (See Dreyfus, C., and Whitehead.)
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Making colored artificial yarns and films. 2,072,931; Mar. 9.
Widell, Nils. (See Kögel, W., and Widell.)
Wieners, Franz. (See Mieg, W., and Wieners.)
Wilckens, Kurt W., Philadelphia, Pa., assignor to Heinemann Electric Company, Trenton, N. J. Method of and apparatus for controlling electric circuits. 2,072,932; Mar. 9.
Wilcox, George R., assignor to Pneu-Hydro Road Machinery Company, Cadillac, Mich. Road planer. 2,072,995; Mar. 9.
Wild, Julius E., Longmeadow, and H. J. Long, Springfield, assignors to United American Bosch Corporation, Springfield, Mass. Composite flue. 2,073,236; Mar. 9.
Wilder, John S., Kenosha, Wis. Signal. 2,072,914; Mar. 9.
Wilhelm, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Quiet automatic volume control system. 2,072,973; Mar. 9.
Willach, Bernhard, E. Aschenbach, F. S. Gruver, and M. Klein, Sellersville, Pa., assignors to United States Gauge Company, New York, N. Y. Battery condition indicating systm. 2,072,915; Mar. 9.
Willach, Bernhard, E. Aschenbach, F. S. Gruver, and M. Klein, Sellersville, Pa., assignors to United States Gauge Company, New York, N. Y. Specific gravity indicator for storage batteries. 2,072,916; Mar. 9.
Williams, Harry E., Los Angeles, Calif., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Game apparatus. 2,072,933; Mar. 9.
Williams, Harry E., Los Angeles, assignor to Pacific Amusement Mfg. Company, Los Angeles, Calif. Game device. 2,073,132; Mar. 9.
Williams, Homer W., Tacoma, Wash. Pantograph trolley. 2,073,189; Mar. 9.
Williams Oil-o-Matic Heating Corporation. (See Lawton, Harvey B., assignor.)
Williams, Samuel B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,073,508; Mar. 9.
Williams, Walter W., Bloomington, Ill. Cooling device. 2,072,974; Mar. 9.
Williamson, James B., Birmingham, Ala. Self-supporting tank roof. 2,073,358; Mar. 9.
Willoughby, Victor. (See Dietrichson, W. F., and Willoughby.)
Wilson-Jones Company. (See Dawson, George H., assignor.)
Wilson-Jones Company. (See Dewar, R. J., and Dawson, assignors.)
Wilton, Norman. (See Wilton, Thomas O. and N., Green and Mann.)
Wilton, Thomas O., N. Wilton, H. E. J. Green, and H. C. Mann, London, England. Flue-gas washing and purification. 2,073,039; Mar. 9.
Wine, William E., Toledo, Ohio. Railway hopper car. 2,072,996; Mar. 9.
Wingfoot Corporation. (See Gehman, Samuel D., assignor.)
Wingfoot Corporation. (See Templeton, Edwin G., assignor.)
Winsborough, Paxson, Pittsburgh, and A. H. Davis, Jr., New Castle, assignors to Shaw-Perkins Manufacturing Company, Pittsburgh, Pa. Radiator. 2,072,975; Mar. 9.
Winter, Carl and E. Kern, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the xanthone type and producing the same. 2,073,086; Mar. 9.
Winter, Courtney P., Chambersburg, Pa., assignor to International Cellucotton Products Company, Chicago, Ill. Method and apparatus for making sanitary napkins or the like. 2,073,329; Mar. 9.
Winters, Florence W., executrix, et al. (See Wetstein, Jacob.)
Winthrop Chemical Company. (See Eisleb, Otto, assignor.)
Wirth, Alexander, Frankfort-on-the-Main, Germany. Selector for telephone installations. 2,073,087; Mar. 9.
Wise, Elmer L., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Shaft mounting for writing-computing machines. 2,073,397; Mar. 9.
Witts, Alfred T., Surrey, England, assignor to Radio Corporation of America. Electrical device. 2,073,359; Mar. 9.
Wittstruck, Clayton B., Ethan, S. Dak. Power trip for sheaf racks. 2,072,997; Mar. 9.
Woelfiin, William, Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method of and apparatus for electrically treating tar emulsions. 2,072,917; Mar. 9.
Woelfiin, William, Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Method of and apparatus for introducing high potentials into a dehydrator. 2,072,918; Mar. 9.
Wolcott, Frank E., West Hartford, Conn., assignor, by mesne assignments, to The Silex Company. Dispensing bowl. 2,072,934; Mar. 9.
Wolcott, Frank E., West Hartford, Conn., assignor, by mesne assignments, to The Silex Company. Coffee making device. 2,072,935; Mar. 9.
Wolter, John, Morton Grove, Ill. Onion set harvesting machine. 2,073,041; Mar. 9.
Wolvin, Roy M. (See Robinson, Joseph, assignor.)
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Registration of printing plates. 2,073,040; Mar. 9.
Wood Newspaper Machinery Corporation. (See Gerrard, William, assignor.)
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Wood, Wallace H., assignor to Norton Company, Worcester, Mass. Hydraulically operated wheel feeding mechanism. 2,073,574; Mar. 9.
Woodhead, John A., Swarthmore, Pa. Revolver clip. 2,073,436; Mar. 9.
Woodwool Wrappings Limited. (See Reppman, Albert, assignor.)
Worth Company, The. (See Nampa, Sulo M., assignor.)
Yajima, Rinjiro, Shinagawa-ku, Tokyo, assignor to Todendenkyu Kabushiki Kaisha, Tokyo, Japan. Inside-frosted incandescent electric lamp. 2,073,237; Mar. 9.
Yant, Joseph W. (See Ducommun, J. C., and Yant.)
Yata, John. (See Mateuszczyk, Boleslaw, assignor.)
Ybañez, Eustaquio, and M. Lopez-Cepero, Buenos Aires, Argentina. Convertible furniture. 2,073,293; Mar. 9.
Young, Frederick C., Westport, Conn. Shingle. 2,073,274; Mar. 9.
Young, L. A., Spring & Wire Corporation. (See Heilman, Bernard, assignor.)
Young, Leonard P., New York, N. Y. Electric soldering iron. 2,073,259; Mar. 9.
Zeman, Arthur F., Chicago, Ill., assignor to Radio Corporation of America, New York, N. Y. Automatic stop for phonographs. 2,73,042; Mar. 9.
Zender, Justin, Ardsley, assignor to Stauffer Chemical Company, New York, N. Y. Producing citric acid. 2,072,919; Mar. 9.
Zerbe, Lewis E., Moneta, Calif., assignor, by mesne assignments, to The National Supply Company of Delaware, Toledo, Ohio. Rotary machine. 2,072,936; Mar. 9.
Zingg, Werner, Zug, Switzerland, assignor to Landis & Gyr, A-G. Switching apparatus. 2,073,330; Mar. 9.
Zinter, Richard, Berlin, assignor to Ambi-Budd Presswerk Gesellschaft mit beschrankter Haftung, Berlin-Johannistahl, Germany. Stopping-place indicator for vehicles. 2,073,437; Mar. 9.
Zublin, Ernest W. (See Pfau, G. M., Bolin, and Zublin.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Camera and illuminator, Combined. A. E. Alderman. 20,281; Mar. 9.
Cooking device, Electric. C. W. Schroeder. 20,288; Mar. 9.
Device for the after treatments of filaments. C. Herrmann. 20,284; Mar. 9.
Electrical current testing instrument. G. B. Stanton. 20,290; Mar. 9.
Electrical measuring and regulating system. H. L. Bernarde. 20,282; Mar. 9.
Filter and dirt disposal for electric push brooms. W. Leathers. 20,286; Mar. 9.
Flower exhibiting device. R. W. Simpson. 20,289; Mar. 9.
Motor drive for disk fans, Direct. A. O. Hurxthal. 20,285; Mar. 9.
Plug, Magnetic. A. E. Bock. 20,291; Mar. 9.
Propeller. F. W. Caldwell. 20,283; Mar. 9.
Pump operating mechanism, Well. E. W. Patterson. 20,287; Mar. 9.

LIST OF PLANT INVENTIONS

Freesia. E. J. Schroeder. 237; Mar. 9.
Rose. P. A. Izzo. 236; Mar. 9.

LIST OF DESIGN INVENTIONS

Air conditioning control. R. E. Patten. 103,541; Mar. 9.
Airplane. P. J. Dwareski. 103,529; Mar. 9.
Applicator or similar article. H. B. Lermer. 103,534; Mar. 9.
Ashtray. R. W. Moore. 103,539–40; Mar. 9.
Basket, Display. C. J. Romer. 103,543; Mar. 9.
Boat, Four-engined flying. I. M. Laddon. 103,550; Mar. 9.
Booth and traffic signal, Combined traffic officer's safety. E. E. Loving. 103,536; Mar. 9.
Bottle. J. H. Funkey. 103,495–6; Mar. 9.
Bottle. A. I. Lorenzen. 103,535; Mar. 9.
Bottle. F. Smith. 103,520; Mar. 9.
Bracket or similar article, Shade. B. E. Sense and J. L. Cole. 103,519; Mar. 9.
Buckle. L. Alterson. 103,483; Mar. 9.
Cabinet ensemble, Kitchen. J. R. Morgan. 103,501; Mar. 9.
Cabinet for intercommunicating systems. R. D. Jameson. 103,532; Mar. 9.
Candelabra or similar article. W. C. McCartney. 103,538; Mar. 9.
Cap or similar article, Uniform. J. Foster. 103,530; Mar. 9.
Cape. M. Spector. 103,555; Mar. 9.
Case, Instrument. H. B. Brown. 103,489; Mar. 9.
Casing, Flashlight. O. Manki. 103,537; Mar. 9.
Cleaner, Vacuum. H. W. Hofmaster. 103,499; Mar. 9.
Clock-case. W. K. Sessions. 103,553–4; Mar. 9.
Coffee brewer. F. Renner. 103,508; Mar. 9.
Container, Battery. O. O. Rieser. 103,542; Mar. 9.
Dress. E. Alper. 103,545–6; Mar. 9.
Dress. T. Coleman. 103,528; Mar. 9.
Fabric, Coated. D. E. Sturm. 103,522; Mar. 9.
Fabric or similar article, Net. G. Bloch. 103,524–6; Mar. 9.
Fabric, Textile. M. M. Rosenberg. 103,509–17; Mar. 9.
Glove. J. J. Fox. 103,547; Mar. 9.
Glove. W. S. Hatch. 103,548; Mar. 9.
Grease dispensing device. A. I. Epton. 103,491; Mar. 9.
Guard, Automobile grille. A. V. Weasler and W. J. Dooley. 103,544; Mar. 9.
Handbag, Lady's. H. Felmann. 103,492–4; Mar. 9.
Lamp, Motor vehicle. L. Urge. 103,556; Mar. 9.
Light, Bracket. J. Frei, Jr. 103,531; Mar. 9.
Mirror, Hand. E. Marder. 103,551–2; Mar. 9.
Receptacle, Flexible pocket. W. R. Buxton. 103,490; Mar. 9.
Settee. R. B. James. 103,549; Mar. 9.
Shoe. A. A. Heinlein. 103,497; Mar. 9.
Shoe. B. Oswell. 103,504; Mar. 9.
Shoe. J. C. Pape. 103,505–6; Mar. 9.
Shoe sole. F. Berenstein. 103,484; Mar. 9.
Shoe sole. G. F. Quinn. 103,507; Mar. 9.
Sled deck. W. C. Warren. 103,523; Mar. 9.
Spoon or other article of flatware. F. W. Stark. 103,521; Mar. 9.
Stand, Pen desk. F. N. Mariani. 103,500; Mar. 9.
Stove, Electric. J. R. Morgan. 103,502–3; Mar. 9.
Strip or similar article, Binding. W. L. Bonnell. 103,487; Mar. 9.
Strip or similar article, Butt edging. W. L. Bonnell. 103,485; Mar. 9.
Strip or similar article, Edging. W. L. Bonnell. 103,486; Mar. 9.
Sweater. H. Boepple. 103,527; Mar. 9.
Table. F. D. Higbee. 103,498; Mar. 9.
Toaster or similar article, Sandwich. A. S. Knapp. 103,533; Mar. 9.
Top and article holder for toilet tanks, Combination. F. W. Brown, Jr. 103,488; Mar. 9.
Toy figure, Dancing. K. C. Sears. 103,518; Mar. 9.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. C. Johnson and J. O. Olsen. 2,072,951; Mar. 9.
Absorbent package or pad. E. B. Thomas. 2,073,410; Mar. 9.
Accessory for mechanical refrigerators. C. A. Klenk and B. S. French. 2,073,309; Mar. 9.
Acid and its analogues, Manufacture of ascorbic. W. N. Haworth, E. L. Hirst, J. K. N. Jones, and F. Smith. 2,073,207; Mar. 9.
Acid, Producing citric. J. Zender. 2,072,919; Mar. 9.
Adhesive supply and spreading attachment for fabric coating machines. H. K. Lea. 2,073,557; Mar. 9.
Adjustable obstetrical chair. D. D. Bugh. 2,073,094; Mar. 9.
Adjusting means. C. S. and F. W. Crakes. 2,073,550; Mar. 9.
Advertising display sign. J. Jensen. 2,073,479; Mar. 9.
Aerator. A. C. Durdin, III. 2,072,944; Mar. 9.
Agitator, Dice. B. C. Grunig. 2,073,205; Mar. 9.
Agitator for washing machines. T. H. Tittle. 2,073,540; Mar. 9.
Air conditioning apparatus. H. B. Lawton. 2,073,110; Mar. 9.
Air cooler. S. V. Kivett. 2,073,556; Mar. 9.
Airplane. F. W. Peel. 2,073,318; Mar. 9.
Alloy. E. F. Fischer. 2,073,515; Mar. 9.
Alloy. E. G. Touceda. 2,072,910–11; Mar. 9.
Alloy, Ferro-magnetic. W. E. Remmers. 2,073,455; Mar. 9.
Alloys, Improving the physical and mechanical properties of. H. Lepp. 2,073,020; Mar. 9.
Amplifier circuit. P. O. Farnham. 2,072,945; Mar. 9.
Amplifier, Electric. L. C. Verman and L. A. Richards. 2,073,234; Mar. 9.
Animated figure negative glow device. A. F. Henninger, Jr. 2,073,062; Mar. 9.
Antijackknife fifth wheel. W. J. Skibbe. 2,073,269; Mar. 9.
Artichokes, Processing. H. E. Gray and A. M. Erickson. 2,073,006; Mar. 9.
Article feeding mechanism. P. H. Hutchinson. 2,073,305; Mar. 9.
Articles of ceramic materials, Apparatus for cleaning. H. V. Schweitzer. 2,073,184; Mar. 9.
Ashtray. C. J. Seez. 2,073,498; Mar. 9.
Asphalts, Preparation for high grade. A. P. Anderson and W. K. Nelson. 2,073,088; Mar. 9.
Autocollimating unit. C. W. Frederick and R. W. Luce. 2,073,300; Mar. 9.
Automatic machine. F. Lindgren. 2,073,111; Mar. 9.
Automobile door lock. H. D. Geyer. 2,073,149; Mar. 9.
Automobile heater. N. L. Obrecht. 2,073,023; Mar. 9.
Axle adjuster, Automatic. C. Siemiana. 2,073,322; Mar. 9.
Axle, Tubular. B. H. Urschel. 2,073,035; Mar. 9.
Bactericidals, Water-soluble. P. Goedrich. 2,073,057; Mar. 9.
Bag: *See*—
Paper bag.
Bags and wrappers, Making window. R. S. Grant and A. A. Schlegel. 2,073,476; Mar. 9.
Bakery products, Apparatus for cooling. W. W. Reece and L. W. Haas. 2,073,221; Mar. 9.
Band for clothes presses, Auxiliary. S. C. Percy. 2,073,220; Mar. 9.
Bar: *See*—
Tone bar.
Basket stand. C. G. Ivey. 2,073,155; Mar. 9.
Bath spray. S. Isenberg. 2,073,307; Mar. 9.
Battery condition indicating system. B. Willach, E. Aschenbach, F. S. Gruver, and M. Klein. 2,072,915; Mar. 9.
Beans and other comestibles, Processing. E. C. Eberts. 2,073,339; Mar. 9.
Bearing. E. B. Wedmore and G. F. Shotter. 2,073,434; Mar. 9.
Beater. F. L. Ireland and F. L. Chappell. 2,073,064; Mar. 9.
Beverages, Preparing. J. Wetstein. 2,073,273; Mar. 9.
Bicycle lock. J. S. Manton. 2,073,217; Mar. 9.
Binder. R. B. M. Taylor. 2,073,503; Mar. 9.
Binder, Loose leaf. G. H. Dawson. 2,073,049; Mar. 9.
Binder, Loose leaf. R. J. Dewar and G. H. Dawson. 2,073,337; Mar. 9.
Bit: *See*—
Collapsible drill bit.
Boot tongue. J. T. Walters. 2,073,542; Mar. 9.
Bow. N. J. Gille and E. Hansson. 2,073,418; Mar. 9.
Bowl, Dispensing. F. E. Wolcott. 2,072,934; Mar. 9.
Box and fuse, Fuse. N. J. Conrad. 2,072,854; Mar. 9.
Bracelet, Identification. S. L. Lederer. 2,073,280; Mar. 9.
Brake booster, Hydraulic. G. E. Martin. 2,073,163; Mar. 9.
Brake lining tightener. A. L. Cornwell. 2,073,399; Mar. 9.
Brake operating mechanism. A. L. Vissat. 2,073,081; Mar. 9.
Brake or clutch, One-way. I. W. Litchfield. 2,073,408; Mar. 9.
Brassière. A. Hirsch. 2,072,879; Mar. 9.
Bread, Cooling. W. L. Fleisher. 2,073,469; Mar. 9.
Breathing tube. K. Connell. 2,073,335; Mar. 9.
Broom. O. Linder. 2,073,558; Mar. 9.
Brush, Suction cleaner. E. F. Martinet. 2,072,956; Mar. 9.
Buckle. P. Heinze. 2,072,949; Mar. 9.
Building construction. P. Betzler. 2,073,548; Mar. 9.
Building construction. W. J. Erdner. 2,072,983; Mar. 9.
Burner. H. F. Fruth and C. A. Borland. 2,073,448; Mar. 9.
Butadienyl compounds and preparing the same. W. H. Carothers and G. J. Berchet. 2,073,363; Mar. 9.
Butter substitues, Apparatus for preparing. J. Schaub. 2,073,353; Mar. 9.
Button. J. Komorous. 2,073,422; Mar. 9.
Cabinet, Refrigerating. C. E. Quinn. 2,073,175; Mar. 9.
Calcium phosphates, Manufacture of granular. H. A. Curtis. 2,072,980; Mar. 9.
Calculating machine. G. Lerch and C. M. F. Friden. 2,072,989; Mar. 9.
Camera. C. L. Fitz. 2,073,368; Mar. 9.
Cap, cap liner, and a method of applying liners to container caps, Container. E. M. Enkur. 2,073,415; Mar. 9.
Cap, Crankcase breather. H. G. Kamrath. 2,073,156; Mar. 9.
Capacitor. A. T. Harding and F. S. Dunleavey. 2,073,060; Mar. 9.
Car, Golf-bag carrying. F. M. and J. R. Martin. 2,073,114; Mar. 9.
Car loading device. S. M. Nampa. 2,073,349; Mar. 9.
Car, Railway hopper. W. F. Dietrichson and V. Willoughby. 2,073,513; Mar. 9.
Car, Railway hopper. W. E. Wine. 2,072,996; Mar. 9.
Carrier: *See*—
Printing machine negative Toilet paper roll carrier.
carrier.
Carbazole ring formation of compounds of the anthraquinone series, Effecting. W. Mieg and F. Wieners. 2,073,022; Mar. 9.
Carbonaceous materials, Conversion and coking of. A. Fisher. 2,073,367; Mar. 9.
Carburetor connection. W. B. Lee. 2,072,893; Mar. 9.
Carpet weaving. P. Shearer. 2,073,227; Mar. 9.
Caster. G. J. Kalberer. 2,073,066; Mar. 9.
Casting, Centrifugal. M. G. Dumas. 2,073,199–200; Mar. 9.
Catalytic hydrogenation of dicarboxylic anhydride. W. J. Amend and E. W. Bousquet. 2,072,861; Mar. 9.
Cellulose derivatives. H. Dreyfus. 2,072,870; Mar. 9.
Cellulose derivatives and in plastic products, etc., Manufacture of. H. Dreyfus. 2,073,052; Mar. 9.
Cellulose-ester material, Manufacturing colored. H. Dosne. 2,073,414; Mar. 9.
Cellulose ether recovery. W. R. Collings and W. J. Le Fevre. 2,073,002; Mar. 9.
Cement mixer. E. H. Hollis. 2,072,886; Mar. 9.
Centrifugal machine. H. Schulz. 2,073,496; Mar. 9.
Centrifugal separator. J. Mann. 2,073,216; Mar. 9.
Ceramic composition and preparing. A. L. Bennett. 2,073,136; Mar. 9.
Chair: *See*—
Adjustable obstetrical
–chair.
Chair. H. M. Kahn. 2,073,065; Mar. 9.
Channel structure for metal arches. G. E. Shafer. 2,073,185; Mar. 9.
Chart. J. D. Cunningham. 2,073,143; Mar. 9.
Chart, Adjustable direction-finder. H. Schariau. 2,073,352; Mar. 9.
Check testing apparatus, Adjustable. A. A. Knee. 2,073,392; Mar. 9.
Chemical processes and new products produced thereby. W. H. Carothers. 2,072,867; Mar. 9.
Chute, Coin. H. Hansen. 2,073,151; Mar. 9.
Cigarette holder. W. Bailey. 2,072,851; Mar. 9.
Cigarette or cigar holder. O. H. Martin. 2,073,596; Mar. 9.

Circuit and apparatus for operating electric discharge lamps. J. Peterson. 2,073,527; Mar. 9.
Circuit breaker. C. H. Hodgkins. 2,073,102–4; Mar. 9.
Circuit breaker, Electric. S. Ruppel. 2,073,565; Mar. 9.
Circuit, Delayed automatic volume control. W. R. Koch. 2,073,486; Mar. 9.
Circuit, Self-controlled automatic gain control. W. van B. Roberts. 2,072,964; Mar. 9.
Circuit, Switchboard cord. W. E. Darrow. 2,073,003; Mar. 9.
Circuits, Method of and apparatus for controlling electric. K. W. Wilckens. 2,072,932; Mar. 9.
Clamp: *See*—
Hose clamp.
Cleaner: *See*—
Suction cleaner. Vacuum cleaner.
Clip: *See*—
Revolver clip.
Clock with automatic calendar. B. Elberg. 2,073,275; Mar. 9.
Closure. D. E. Baxter. 2,072,853; Mar. 9.
Closure and applying same, Bottle. G. Weiss. 2,073,084; Mar. 9.
Closure, Dispensing. R. B. and S. C. Waite. 2,073,292; Mar. 9.
Closure for railway cars, Vestibule. E. I. Dodds, Jr. 2,073,198; Mar. 9.
Clutch. P. H. Batten and W. J. Pearmain. 2,072,852; Mar. 9.
Clutch. A. W. Gardiner. 2,073,146; Mar. 9.
Clutch. P. H. Smyth, Jr. 2,072,924; Mar. 9.
Clutch for motor vehicles, Automatic. H. A. Lohse. 2,073,214; Mar. 9.
Coal burning system, Powdered. L. L. Kuempel. 2,073,346; Mar. 9.
Coat. J. Siegel. 2,073,232; Mar. 9.
Coat Storm. G. Knowling. 2,073,485; Mar. 9.
Coffee making apparatus. R. W. Oman. 2,073,265; Mar. 9.
Coffee making device. F. E. Wolcott. 2,072,935; Mar. 9.
Coin collecting apparatus. C. H. Wheeler. 2,072,972; Mar. 9.
Coin selector. J. Gottfried. 2,073,260–1; Mar. 9.
Collapsible drill bit. L. P. Kinnear. 2,073,279; Mar. 9.
Color density of liquids, Determining. H. W. Rose. 2,073,223; Mar. 9.
Colorations on materials, Production of. G. H. Ellis. 2,072,858; Mar. 9.
Combuston apparatus. B. Valjean. 2,073,270; Mar. 9.
Combustion, Regulation of. J. D. Morgan and A. P. Sullivan. 2,073,249; Mar. 9.
Communication system. K. E. Fitch. 2,073,468; Mar. 9.
Compensated control system. G. A. Brooks, Jr. 2,073,332; Mar. 9.
Composite metal motor valve. G. R. Rich. 2,073,178; Mar. 9.
Compositions of matter containing synthetic resins, Manufacture of. W. H. Moss. 2,072,902; Mar. 9.
Compressor. J. Phillips. 2,072,990; Mar. 9.
Concealed hinge. L. W. Phiel. 2,073,119; Mar. 9.
Concentration and broadcasting system. L. M. Potts. 2,073,266; Mar. 9.
Condensation products from non-aliphatic sulphamides and aldehydes, Manufacture of. G. Walter. 2,072,971; Mar. 9.
Connecter: *See*—
Electrical connecter. Train pipe connecter.
Rail end connecter.
Connector. R. J. Durkee. 2,073,338; Mar. 9.
Container: *See*—
Ice container. Single delivery dispensing
Locking container. container.
Container. R. J. Pomeroy. 2,073,120; Mar. 9.
Container, Method and apparatus for filling. A. C. Richardson and D. T. Saxby. 2,072,963; Mar. 9.
Container or bottle, Nonrefillable. S. Narunsky. 2,072,960; Mar. 9.
Control device for heating appliances. E. E. Chandler. 2,072,868; Mar. 9.
Control device for hot blast stoves. D. M. Evans. 2,073,447; Mar. 9.
Control means for motor vehicles. C. A. Brewer. 2,072,999; Mar. 9.
Conversion process. W. H. Hart. 2,073,342; Mar. 9.
Conveyor. J. B. Webb. 2,073,131; Mar. 9.
Cooler: *See*—
Air cooler.
Cooling device. W. W. Williams. 2,072,974; Mar. 9.
Cores from a bore hole, Method of and apparatus for taking. H. M. Hohmann and H. N. L. C. E. C. de Wilde. 2,073,263; Mar. 9.
Corrective time-controlled system. E. B. Jackson. 2,073,449; Mar. 9.
Counting device. V. N. Crasnoff. 2,073,551; Mar. 9.
Cover: *See*—
Sanitary cover.
Cover for cylindrical containers, Slip. L. E. La Bombard. 2,073,537; Mar. 9.
Cover for the spare tires of automobiles. G. A. Lyon. 2,072,896; Mar. 9.
Cover selecting and feeding mechanism, Container. H. E. Gantzer. 2,073,472; Mar. 9.
Cushion, Spring. E. A. Krims. 2,072,890; Mar. 9.
Cut-out, Low water. W. A. Ray and W. R. Ray. 2,073,268; Mar. 9.
Damper equipment. H. M. Cunningham. 2,073,386; Mar. 9.
Detector: *See*—
Mercury vapor detector.
Pentode heterodyne detector.
Detergent, penetrating, and wetting composition. W. P. Davey. 2,073,464; Mar. 9.
Device for recording sound originating in the human body. B. Capelli. 2,073,412; Mar. 9.
Diagnostic indicator. M. M. Schwarzschild. 2,073,457; Mar. 9.
Diathermic treatment by means of high frequency. A. Esau. 2,073,201; Mar. 9.
Die: *See*—
Pulling die.
Dielectric medium. A. E. Maibauer. 2,073,245; Mar. 9.
Direction indicating switch. C. E. Chaney. 2,073,141; Mar. 9.
Directional stabilizing apparatus for aerial or marine craft. J. Fleux. 2,073,203; Mar. 9.
Discharge tube. C. Trenzen. 2,073,431; Mar. 9.
Disks, Manufacturing radially corrugated. J. B. Bolesky. 2,072,847; Mar. 9.
Dispenser: *See*—
Perfume dispenser.
Dispenser. H. A. Berg. 2,072,938; Mar. 9.
Dispenser. J. T. Morris. 2,073,377; Mar. 9.
Dispensing device. C. M. Smith. 2,073,076; Mar. 9.
Dispensing device for plastic substances. F. F. Gay. 2,073,473; Mar. 9.
Display device. A. G. Goldberg. 2,073,403; Mar. 9.
Display device. R. R. Smith. 2,073,321; Mar. 9.
Distillation and apparatus therefor, High vacuum. B. E. A. Vigers. 2,073,327; Mar. 9.
Doorbell system, Coin controlled. C. and V. B. Walt. 2,073,129; Mar. 9.
Draftsman's plotter. C. Maier. 2,073,281; Mar. 9.
Drier. J. C. Crowley. 2,073,401; Mar. 9.
Drive, Reduction. B. J. Merkle. 2,073,348; Mar. 9.
Dyestuff isomers of the naphthoylene diarylimidazole series, Separation of vat. W. Eckert and H. Sieber. 2,0773,098; Mar. 9.
Dyestuff preparations, Vat. J. Nuesslein and G. Balle. 2,073,116; Mar. 9.
Dyestuffs, Mono azo. R. Fleischhauer. 2,073,470; Mar. 9.
Dyestuffs of the xanthone type and producing the same. C. Winter and E. Kern. 2,073,086; Mar. 9.
Earth formations, Method of and apparatus for electrically exploring. F. W. Huber. 2,072,950; Mar. 9.
Edging machine. F. Ricks and J. H. Andrews. 2,073,027; Mar. 9.
Egg white, Producing thin. A. K. Balls and T. L. Swenson. 2,073,411; Mar. 9.
Electric condenser construction and making the same. F. S. Smith. 2,073,355; Mar. 9.
Electric discharge device. L. Malter. 2,073,599; Mar. 9.
Electric flash producing method and apparatus. B. Miller. 2,073,247; Mar. 9.
Electric fuse handle. L. Ludwig. 2,073,161; Mar. 9.
Electric high-tension apparatus, particularly for medical purposes. A. Schmid. 2,073,428; Mar. 9.
Electric machine, Dynamo. G. M. Pestarini. 2,073,526; Mar. 9.
Electric starting motor. D. Collins. 2,073,444; Mar. 9.
Electric switch. R. F. Sambleson. 2,073,529; Mar. 9.
Electric wave amplification. C. W. Green. 2,073,477; Mar. 9.
Electrical characteristics of direct current generators and transformers, Controlling the. J. M. Pestarini. 2,073,525; Mar. 9.
Electrical connector. G. Olson. 2,073,378; Mar. 9.
Electrical device. A. T. Witts. 2,073,359; Mar. 9.
Electrical measuring means. W. P. Beattie. 2,072,937; Mar. 9.
Electrical wiring installation and contact lug. S. M. Del Camp. 2,073,466; Mar. 9.
Electrode for welding. F. R. Hensel. 2,073,371; Mar. 9.
Electrode suspension. P. Torchet. 2,073,356; Mar. 9.
Electron discharge device. H. Kniepkamp. 2,073,483; Mar. 9.
Electron discharge device. J. C. Smith. 2,073,078; Mar. 9.
Electron tube. J. D. McGee. 2,072,957; Mar. 9.
Electron tube. S. B. Rubinstein. 2,073,598; Mar. 9.
Electron tube system, Cascaded. G. J. Kelley. 2,072,953; Mar. 9.
Electronic switch. C. T. Ulrey. 2,072,993; Mar. 9.
Embalming drainage tube. R. Lee. 2,073,069; Mar. 9.
Energy, Transmission. H. Salvatori. 2,073,493; Mar. 9.
Engine: *See*—
Internal combustion engine. Oscillating poppet valve engine.
Oil engine. Swell expression engine.
Engine dead-centers, Locating. B. J. Haskins. 2,072,984; Mar. 9.
Engines, Method and arrangement for the operation of internal combustion. M. Y. A. Serruys. 2,073,288; Mar. 9.
Envelope and making the same, Window. R. L. Gray. 2,072,875; Mar. 9.
Eraser attachment for lead pencils. J. S. Furst. 2,073,369; Mar. 9.
Esters of octadecanediol. C. Sly. 2,073,031; Mar. 9.

Ethers, Halogenated aralkyl-aryl. H. S. Holt. 2,0723,010; Mar. 9.
Ethers, Production of ethane dithio. W. Reppe and F. Nicolai. 2,073,589; Mar. 9.
Excavating machine. D. J. Shelton. 2,073,539; Mar. 9.
Extension for davits, Portable. G. C. Scheubner. 2,073,566; Mar. 9.
Fabric: *See*—
Knitted fabric.
Fabric and knitting the same, Wrap stripe. R. H. Lawson. 2,073,242; Mar. 9.
Fabrics, Producing textile. O. Sauer. 2,073,494; Mar. 9.
Fastener: *See*—
Separable fastener. Wiper blade fastener.
Fastener. W. J. Weber. 2,073,037; Mar. 9.
Feeding and blanking machine. A. Smith. 2,073,320; Mar. 9.
Fibers from cotton seeds, Removing. K. B. Cumpston. 2,072,978; Mar. 9.
Filaments and preparing the same, Artificial. C. Dreyfus and W. Whitehead. 2,072,856; Mar. 9.
Filling device. J. J. Lindinger. 2,073,112; Mar. 9.
Filter. A. J. Barnebl. 2,073,384; Mar. 9.
Filtering and collecting apparatus. W. A. Rosenberger. 2,072,906 Mar. 9.
Filters, Apparatus for testing. L. Finkelstein. 2,072,872; Mar. 9.
Finger ring. T. P. Shields. 2,073,228; Mar. 9.
Firearm. C. W. Wadsworth. 2,073,128; Mar. 9.
Fire escape. C. G. Miller. 2,073,312; Mar. 9.
Fire extinguishing foam, Method and apparatus for producing. W. Friedrich. 2,073,204; Mar. 9.
Fireproof material. R. Engelhardt. 2,073,004; Mar. 9.
Flat knitting frame. G. H. Dietrich and H. Drechsel. 2,073,197; Mar. 9.
Flotation apparatus. E. H. Hoag. 2,072,880; Mar. 9.
Flue, Composite. J. E. Wild and H. J. Long. 2,073,236; Mar. 9.
Flue-gas washing and purification. T. O. Wilton, N. Wilton, H. E. J. Green, and H. C. Mann. 2,073,039; Mar. 9.
Fluid coupling and control. E. E. Wemp. 2,073,357; Mar. 9.
Fluid pressure control apparatus. R. L. Mallory. 2,072,921; Mar. 9.
Fluid pressure regulator. R. B. Lewis. 2,073,070; Mar. 9.
Fluid pressure veneer press. M. M. Teague. 2,073,290; Mar. 9.
Fluids, Drilling. R. and M. F. Cross. 2,073,413; Mar. 9.
Food for human consumption, Treating. W. R. F. Lunt. 2,072,955; Mar. 9.
Food slicing device. R. D. Van Riper. 2,073,257; Mar. 9.
Foot health exerciser. G. E. Mulvaney, E. R. Dalton, and F. L. Cross. 2,072,959; Mar. 9.
Fractionating and condensing unit. J. S. Wallis. 2,073,258; Mar. 9.
Frame: *See*—
Flat knitting frame.
Fruit, Washing. C. M. Bryant. 2,072,865; Mar. 9.
Fuel system testing instrument. G. J. Liddell and R. C. Porter. 2,073,243; Mar. 9.
Fuels to engines, System for supplying volatile. P. W. Ensign. 2,073,276; Mar. 9.
Fur, Carroting. W. C. Mercier. 2,073,452; Mar. 9.
Fur cutting machine. O. M. Dean. 2,073,194–6; Mar. 9.
Fur cutting machine. H. C. Moulton. 2,073,219; Mar. 9.
Furnace. M. B. Geiselman. 2,072,874; Mar. 9.
Furnace. L. La Fay. 2,073,424; Mar. 9.
Furniture, Convertible. E. Ybañez and M. Lopez-Cepero. 2,073,293; Mar. 9.
Fuse construction. W. O. Schultz. 2,073,183; Mar. 9.
Fuse, Percussion. W. Morpeth and J. C. W. Heseltine. 2,073,250; Mar. 9.
Fuse plug. L. Ludwig. 2,073,160; Mar. 9.
Game and game apparatus. R. K. Stockton. 2,073,324; Mar. 9.
Game apparatus. J. W. Reed. 2,073,177; Mar. 9.
Game apparatus. H. E. Williams. 2,072,933; Mar. 9.
Game device. H. E. Williams. 2,073,132; Mar. 9.
Garment. J. A. Schaffer. 2,073,495; Mar. 9.
Garment, Composite. J. Siegel. 2,073,230–1; Mar. 9.
Garter hook, Thin runproof. A. Felin. 2,073,366; Mar. 9.
Gas carbureting apparatus. O. H. Ensign. 2,073,298; Mar. 9.
Gas carbureting apparatus. R. F. Ensign. 2,073,299; Mar. 9.
Gas purification. A. L. Ward and C. W. Jordan. 2,073,083; Mar. 9.
Gaseous media, Apparatus for controlling the flow of. S. S. Cerwin. 2,073,461; Mar. 9.
Gases, Method and apparatus for the administration of. K. Connell. 2,073,192; Mar. 9.
Gasket. G. T. Balfe. 2,072,862–3; Mar. 9.
Gauge. P. J. Darlington. 2,073,365; Mar. 9.
Gear: *See*—
Retractable landing gear.
Gear shifting mechanism. E. G. Kesling. 2,073,108; Mar. 9.
Generator: *See*—
Thermionic oscillation generator.
Generator and operating same, Forced flow. H. J. Kerr. 2,072,887; Mar. 9.
Generators, Apparatus for automatically controlling and matching electric. E. Pearson. 2,073,426; Mar. 9.
Germicidal compositions. R. C. McQuiston. 2,073,021; Mar. 9.
Glass feeding mechanism. T. C. Steimer. 2,073,573; Mar. 9.
Glass, Feeding molten. K. E. Peller. 2,073,572; Mar. 9.
Glass, Method and mold for casting. A. B. Redman. 2,073,254; Mar. 9.
Glass panel building construction. R. L. Hohl. 2,073,277; Mar. 9.
Glass working apparatus. T. C. Steimer. 2,073,571; Mar. 9.
Golf tee and magazine therefor. H. G. Wasserlein, Sr. 2,073,328; Mar. 9.
Grain, Apparatus for drying. K. Dienst. 2,073,553; Mar. 9.
Gravity indicator for storage batteries, Specific. B. Willach, E. Aschenbach, F. S. Gruver, and M. Klein. 2,072,916; Mar. 9.
Grenade, Fire extinguishing. G. Finzi. 2,073,416; Mar. 9.
Grinding machine, Centerless. A. G. Belden and R. A. Cole. 2,073,509; Mar. 9.
Grinding wheel truing attachment. R. A. Cole. 2,073,577; Mar. 9.
Guard, Nose. P. J. Brownson. 2,073,511; Mar. 9.
Guitar attachment. C. T. Schrickel. 2,073,226; Mar. 9.
Gun-sight mount. O. Horsrud. 2,073,210; Mar. 9.
Guy clamp holder. J. J. Sefcik, Jr. 2,073,030; Mar. 9.
Hair waving apparatus, Permanent. W. E. Ottenbacher. 2,073,317; Mar. 9.
Hand brake. H. Fuchs. 2,073,055; Mar. 9.
Handle: *See*—
Electric fuse handle. Pot handle.
Hanging directory holder. W. B. Osman. 2,073,351; Mar. 9.
Harmonic analyzer. P. O. Farnham. 2,072,946; Mar. 9.
Heat application and equipment therefor. W. A. Darrah. 2,073,144; Mar. 9.
Heat exchange apparatus. J. H. Hoffmann. 2,073,105; Mar. 9.
Heat insulating material. G. A. Bole. 2,073,138; Mar. 9.
Heater: *See*—
Automobile heater.
High frequency feeder arrangement suitable for use with radio aerial systems. N. Wells. 2,073,085; Mar. 9.
Hinge: *See*—
Concealed hinge.
Holder. E. R. Posnack. 2,073,172; Mar. 9.
Holder: *See*—
Cigarette and cigar holder. Hanging directory holder.
Cigarette holder. Toilet paper roll holder.
Guy clamp holder.
Holder for loose cards. M. Steinthal. 2,073,233; Mar. 9.
Hood, Sliding. H. A. Sutton. 2,073,325; Mar. 9.
Hook: *See*—
Garter hook.
Hormones, Recovery of. W. Schoeller and K. Junkmann. 2,073,354; Mar. 9.
Hose clamp. M. U. Caillau. 2,073,294; Mar. 9.
Hosiery knitting machines, Attachment for. E. Margerison. 2,073,560; Mar. 9.
Housed type of drop-out fuse. A. G. Steinmayer and W. O. Schultz. 2,073,186; Mar. 9.
Hydraulic machine. A. W. Andrews. 2,073,044; Mar. 9.
Hydraulic machine tool. E. J. Hirvonen. 2,073,518; Mar. 9.
Hydrocarbon distillates, Refining. M. H. Gwynn. 2,073,578; Mar. 9.
Hydrocarbon vaporizing and fuel supply system, Volatile. C. E. McCartney. 2,073,282; Mar. 9.
Hydrogen ion concentration of fermentation mashes, Regulating the. H. R. Stiles. 2,073,125; Mar. 9.
Hydroplane vane. H. L. Adams. 2,073,438; Mar. 9.
Ice container. R. and F. Beard. 2,073,090; Mar. 9.
Ice cream cone. J. Balton. 2,073,440; Mar. 9.
Illuminated sign. M. Knobel. 2,073,068; Mar. 9.
Indicator: *See*—
Diagnostic indicator. Liquid level indicator.
Induction electric furnace. E. F. Northrup. 2,073,597; Mar. 9.
Ink composition, Printing. R. C. Shuey. 2,073,229; Mar. 9.
Instrument producing music. W. Nernst. 2,073,071; Mar. 9.
Insulating bushings of a dehydrator, Method of and apparatus for protecting. C. F. Kiech. 2,072,888; Mar. 9.
Insulator, Arc extinguishing. A. M. Jackson. 2,073,519; Mar. 9.
Integrating means. H. L. Merrick. 2,073,246; Mar. 9.
Intermediate for preparation of hormones and its production. J. Weijlard. 2,072,913; Mar. 9.
Internal combustion engine. N. En Holm. 2,072,881; Mar. 9.
Internal combustion engine. E. W. Riffey. 2,073,179; Mar. 9.
Iron, Electric soldering. L. P. Young. 2,073,259; Mar. 9.
Jack attachment. C. M. Hunter. 2,073,012; Mar. 9.
Jack for knitting machines. R. H. Lawson and W. L. Smith, Jr. 2,073,595; Mar. 9.
Joint: *See*—
Resilient joint. Well pipe and tool joint.
Swing joint.
Knife, Paring. T. V. Baker. 2,073,546; Mar. 9.

Knitted fabric. H. Fleisher. 2,073,402; Mar. 9.
Knitting machine. R. H. Lawson and R. F. Lovell. 2,073,488; Mar. 9.
Knitting machine, Automatic circular. V. C. Elwell and F. W. Jefferson. 2,073,554; Mar. 9.
Ladle construction. M. W. Goldberg. 2,073,150; Mar. 9.
Lamp: *See*—
Electric lamp. Vehicle lamp.
Lamp base. H. M. Laxer. 2,073,375; Mar. 9.
Lamp bulb, Inside-frosted incandescent electric. R. Yajima. 2,073,237; Mar. 9.
Lapping machine. F. J. Theler, G. V. Johnston, and W. Peaslee. 2,073,079; Mar. 9.
Lasting machine. W. T. B. Roberts. 2,073,028; Mar. 9.
Latch mechanism. E. Lefevre. 2,073,017; Mar. 9.
Laundry identification. F. M. Sell. 2,073,381; Mar. 9.
Leather drying. W. T. Backus. 2,073,592; Mar. 9.
Lifeboat propelling mechanism. C. W. Allen. 2,073,383; Mar. 9.
Lightning arrester and making the same. G. E. Andre. 2,072,850; Mar. 9.
Liquefier system for solidified carbon dioxide. F. C. Seck. 2,073,121; Mar. 9.
Liquid from gas lines, Device for removing. D. P. May. 2,073,311; Mar. 9.
Liquid level indicator. E. H. Bickley. 2,073,360; Mar. 9.
Liquid meter. F. Horton. 2,073,405; Mar. 9.
Liquid purifying apparatus and process. P. B. Renfrew and R. W. Bond. 2,073,026; Mar. 9.
Liquids, Treating. R. D. and M. J. Elliott. 2,073,388; Mar. 9.
Load indicating system. G. S. von Heydekampf. 2,072,912; Mar. 9.
Loading machine. F. Cartlidge. 2,073,142; Mar. 9.
Lock: *See*—
Automobile door lock. Bicycle lock.
Lock. H. R. Kirkwood. 2,073,109; Mar. 9.
Locking container. C. P. Wellman. 2,073,272; Mar. 9.
Log loading device. L. H. Phillips. 2,073,563; Mar. 9.
Loudspeaker and the like. R. R. Glen. 2,073,474; Mar. 9.
Lubricating device. A. C. Danver. 2,072,855; Mar. 9.
Lubricating system for internal combustion engines. H. D. Church. 2,073,096; Mar. 9.
Lug cap and glass thread. F. E. Fusting and E. M. Enkur. 2,072,873; Mar. 9.
Luminous tube sign. H. Hotchner. 2,072,986; Mar. 9.
Machine for manufacturing packages. E. S. D. von Segebaden and G. Örström. 2,073,432; Mar. 9.
Machine for pressing the bottoms of shoes. A. Eppler. 2,073,005; Mar. 9.
Machine for the manufacture of alimentary paste, Automatic. G. Sciarra. 2,073,567; Mar. 9.
Machine platen and making the same, Writing. J. W. Heitman and J. J. Kelly. 2,073,200; Mar. 9.
Magnesium hydroxide and manufacture, Activated. H. H. Chesny. 2,073,398; Mar. 9.
Maple flavor. Production of concentrated. A. A. Lund. 2,072,895; Mar. 9.
Marine structure. G. H. Atkinson. 2,073,545; Mar. 9.
Marker for combined planters and cultivators. E. W. Owens. 2,073,562; Mar. 9.
Marker, Traffic. C. L. Moorman. 2,073,166; Mar. 9.
Material forming apparatus. L. S. Deitz, Jr. 2,073,465; Mar. 9.
Material treating device, Pulverulent. E. Butts. 2,073,549; Mar. 9.
Materials, Apparatus for spraying pulverized. F. P. C. Benoit. 2,072,845; Mar. 9.
Materials, Manufacture of artificial. W. I. Taylor and L. B. Gibbins. 2,072,928; Mar. 9.
Mercury vapor detector. T. H. Swisher. 2,073,531; Mar. 9.
Metal article and making the same, Protected. A. W. Coffman. 2,073,334; Mar. 9.
Metal stamping device. G. Hoffmann. 2,073,154; Mar. 9.
Metals and of metallic alloys, Purification of. H. Lepp. 2,073,019; Mar. 9.
Metals and their alloys, Treatment of light. H. Lepp. 2,073,018; Mar. 9.
Meter: *See*—
Liquid meter. Torsion meter.
Meter for gas administering machines, Fluid. J. A. Heidbrink. 2,073,372; Mar. 9.
Milk products, Treatment of. H. E. Otting and E. H. Browne. 2,072,903; Mar. 9.
Mill and molasses mixer, Feed hammer. T. G. Holland. 2,072,860; Mar. 9.
Milling machine. E. T. Turney. 2,073,505; Mar. 9.
Minerals, Flotation of. E. Gayford, J. H. Heginbotham and P. D. P. Hamilton. 2,073,148; Mar. 9.
Mixer: *See*—
Cement mixer.
Mop, Floor. A. O. Pieper. 2,073,170; Mar. 9.
Motor: *See*—
Electric starting motor. Synchronous motor.
Single phase condenser motor.
Motor and driven element assembly J. C. Hobbs. 2,073,404; Mar. 9.
Motor control system. L. A. Trofimov. 2,073,382; Mar. 9.
Motor overload cut-out switch. E. C. Raney. 2,073,286; Mar. 9.
Mount. S. G. Green. 2,072,877; Mar. 9.
Mount, Adjustable filter J. Mihalyi. 2,073,314; Mar. 9.
Mounting and belt tightener, Combined motor. C. H. Kindl and C. J. Rowe. 2,073,158; Mar. 9.
Mounting device. R. L. Hohl. 2,073,278; Mar. 9.
Mounting for compressors, etc., Vibration damping. S. A. Limpert. 2,073,450; Mar. 9.
Mounting for electrical devices. W. L. Betts. 2,072,939; Mar. 9.
Mounting for electrical devices. E. H. Jones. 2,072,952; Mar. 9.
Mounting, Gauge. G. Autenrieth. 2,073,089; Mar. 9.
Muffler. E. J. Mordt. 2,073,218; Mar. 9.
Muffling device. F. A. Jimerson. 2,073,480; Mar. 9.
Musical instrument J. Hofbauer. 2,072,985; Mar. 9.
Musical instrument. L. Leblanc. 2,073,425; Mar. 9.
N-aminoalkylamides of n-alkylaminobenzoic acids and preparing them. O. Eisleb. 2,073,100; Mar. 9.
N-(aminoalkyl)-anthranilic acid alkyl esters and preparing them. O. Eisleb. 2,073,099; Mar. 9.
Napthoxo-trimethine cyanines. W. Schneider. 2,072,908; Mar. 9.
Neon sign. P. P. Diffendale. 2,073,296; Mar. 9.
Net, Tennis. J. R. Scherer. 2,073,182; Mar. 9.
Nitrogen tetroxide with aqueous liquids, Reacting M. F. Fogler and D. A. Rogers. 2,072,947; Mar. 9.
Nozzle, Self aligning vacuum cleaner. W. Leathers. 2,072,892; Mar. 9.
Nuts, Making welding. L. Demboski and J. Kay. 2,073,467; Mar. 9.
Oil engine. C. D. Meyer. 2,073,164; Mar. 9.
Oil gasifier and burner. A. Curioni. 2,073,552; Mar. 9.
Oil, Peracetylated. L. P. Hubbuch. 2,073,011; Mar. 9.
Oil, Purifying lubricating. S. W. Briggs. 2,073,442; Mar. 9.
Oil, Treating crude. A. P. Sachs. 2,073,456; Mar. 9.
Oiler, Flexible. J. H. Holder. 2,073,303; Mar. 9.
Oiler for tools operated by fluid pressure. H. J. Hersey, Jr., and I. C. Andersen. 2,073,009; Mar. 9.
Oils and particularly cracked hydrocarbon vapors, Stabilization of low boiling hydrocarbon. J. K. Roberts and G. W. Watts. 2,073,073; Mar. 9.
Oils, Lowering the pour points of mineral. A. J. van Peski. 2,073,080; Mar. 9.
Oils, Reclaiming lubricating. V. Voorhees. 2,073,506; Mar. 9.
Oils, Refining hydrocarbon. E. Ellsberg. 2,073,446; Mar. 9.
Onion set harvesting machine. J. Wolter. 2,073,041; Mar. 9.
Ore flotation. P. A. Ray. 2,073,492; Mar. 9.
Ores by electromagnetic separation, Concentration of. L. G. Rowand. 2,072,907; Mar. 9.
Organic compounds, Polymerization of. E. D. Ries. 2,072,904; Mar. 9.
Ornamenting curved surfaces, Method and apparatus for. A. Murray. 2,073,313; Mar. 9.
Oscillating poppet valve engine. R. H. Blocker. 2,073,385; Mar. 9.
Packaging machine. P. W. Grow. 2,073,007; Mar. 9.
Packing and weighing stand, Portable. A. R. Upp. 2,073,127; Mar. 9.
Packing rings in solid turbine rotors, Assembling. J. H. Doran. 2,073,514; Mar. 9.
Pad: *See*—
Truss pad.
Pad roller and mounting therefor. E. Ross. 2,073,224; Mar. 9.
Paper bag. F. G. Robinson. 2,073,222; Mar. 9.
Paper waxing apparatus. R. A. Hayward. 2,073,208; Mar. 9.
Para-tertiary-octyl-nitrophenols. J. B. Niederl. 2,073,316; Mar. 9.
Pattern mechanism. W. S. Tandler. 2,072,960; Mar. 9.
Paving blocks, Manufacturing. S. P. Miller. 2,072,958; Mar. 9.
Pea separating apparatus. A. L. Carter and E. K. Miller. 2,073,095; Mar. 9.
Pencil. C. F. Norlin. 2,072,922; Mar. 9.
Pentode heterodyne detector. H. O. Peterson and E. F. Bond. 2,073,454; Mar. 9.
Perfume dispenser. P. P. Hein. 2,073,061; Mar. 9.
Petroleum distillates, Treating. F. Gardner. 2,073,147; Mar. 9.
Phenol recovery. V. Molinari. 2,073,248; Mar. 9.
Phonograph control. C. H. Green. 2,072,876; Mar. 9.
Phonograph pick-up circuit. C. M. Sinnett. 2,072,968; Mar. 9.
Phosphorus, Producing. H. A. Curtis. 2,072,981; Mar. 9.
Photoelectric tube. K. H. Kingdon and H. E. Thomson. 2,073,522; Mar. 9.
Photographic duplicating process. G. Szasz. 2,073,033; Mar. 9.
Phototube. H. Nelson. 2,073,453; Mar. 9.
Piano. C. H. Dasenbrook. 2,073,463; Mar. 9.
Piano, Miniature. S. R. Bridges. 2,073,361; Mar. 9.
Picture machine and the like, Motion. J. H. McNabb. 2,073,538; Mar. 9.
Piezoelectric element. C. F. Baldwin and S. A. Bokovoy. 2,073,046; Mar. 9.

Pins, Making belt lacer joining. F. W. Knott. 2,073,374; Mar. 9.
Pipe: *See*—
Tobacco pipe.
Pipe thread protector. B. Engstrom. 2,073,389; Mar. 9.
Piston expander. D. M. Solenberger. 2,073,499; Mar. 9.
Piston ring. R. A. Sopp. 2,073,500; Mar. 9.
Placer mining device. G. P. Silke. 2,073,122; Mar. 9.
Planer, Road. G. R. Wilcox. 2,072,995; Mar. 9.
Plate clamp for printing machines. W. Stephenson. 2,072,909; Mar. 9.
Plow attachment. J. M. Parmer. 2,073,169; Mar. 9.
Plug: *See*—
Fuse plug.
Pneumatic cushion rail wheel. M. Howald. 2,073,534; Mar. 9.
Polishing machine. C. B. Stair. 2,073,124; Mar. 9.
Positive column tube. H. Ecknayan. 2,073,594; Mar. 9.
Pot handle. T. S. Gordon. 2,073,475; Mar. 9.
Potentials into a dehydrater, Method of and apparatus for introducing high. W. Woelflin. 2,072,918; Mar. 9.
Power, Apparatus for the continuous measurement and telemetering of mechanical. C. W. MacMillan. 2,073,394; Mar. 9.
Power house structure. W. L. Voorduin. 2,072,930; Mar. 9.
Power transmission device. E. E. Franz. 2,073,471; Mar. 9.
Power transmitting device. B. B. Bachman. 2,073,045; Mar. 9.
Power trip for sheaf racks. C. B. Wittstruck. 2,072,997; Mar. 9.
Press: *See*—
Fluid pressure veneer press.
Press. A. A. Byerlein. 2,073,238–9; Mar. 9.
Press. F. S. Carver. 2,072,942; Mar. 9.
Pressure-casting apparatus. A. Bauer. 2,072,864; Mar. 9.
Prime mover, Rotary. E. F. Fox. 2,073,101; Mar. 9.
Printing die and retaining means therefor. I. J. Klein. 2,073,308; Mar. 9.
Printing machine negative carrier. R. S. Hopkins. 2,073,304; Mar. 9.
Printing plate, Curved stereotype. W. Gerrard. 2,073,056; Mar. 9.
Printing plates, Registration of. H. A. W. Wood. 2,073,040; Mar. 9.
Prints, Production of photo-like multitoned. F. Lierg. 2,073,212; Mar. 9.
Processing tank. C. J. Hughey. 2,073,306; Mar. 9.
Protector: *See*—
Pipe thread protector.
Protector. A. E. Osborn. 2,073,584; Mar. 9.
Pulling die. A. Solosko. 2,072,925; Mar. 9.
Pump: *See*—
Rotary pump.
Pump. P. F. Berry. 2,073,547; Mar. 9.
Pump with drip eliminating means, Patter. J. Balton. 2,073,439; Mar. 9.
Radiator. P. Winsborough and A. H. Davis, Jr. 2,072,975; Mar. 9.
Radiator core, Automobile. S. Przyborowski. 2,073,588; Mar. 9.
Radiators, Apparatus for cleaning cellular. E. B. Climenhaga. 2,073,576; Mar. 9.
Radio broadcasting and communication system. N. C. Thyson. 2,073,034; Mar. 9.
Radio ground counterpoise. J. A. Cook. 2,073,336; Mar. 9.
Radio receiving system. H. A. Wheeler. 2,073,038; Mar. 9.
Radio system. J. Plebanski. 2,072,962; Mar. 9.
Radio tube rejuvenator. W. Bartlett and R. Carpenter. 2,073,190; Mar. 9.
Rail end connecter. C. Edwards. 2,072,871; Mar. 9.
Rake. F. F. Jordan. 2,073,015; Mar. 9.
Rake construction. L. Potemkin. 2,072,992; Mar. 9.
Razor blade and blade strip, Safety. A. R. Stargardter. 2,073,502; Mar. 9.
Receptacle: *See*—
Removable insert receptacle.
Receptacle. W. F. Pittroff. 2,073,171; Mar. 9.
Rectifier protective system. O. K. Marti. 2,073,113; Mar. 9.
Reel. M. G. Hinnekens. 2,073,063; Mar. 9.
Reflector for electric heaters. S. P. Morse. 2,073,582; Mar. 9.
Reflector for show windows and the like. B. Mateuszczyk. 2,073,491; Mar. 9.
Refrigerating apparatus. F. R. Bichowsky. 2,072,977; Mar. 9.
Refrigerating apparatus. C. E. Haschke. 2,073,008; Mar. 9.
Refrigerating apparatus. H. B. Hull. 2,073,106; Mar. 9.
Refrigerating apparatus. R. M. Smith. 2,073,123; Mar. 9.
Refrigerating apparatus and method. C. E. Quinn. 2,073,176; Mar. 9.
Refrigerating system. E. R. Fitzgerald. 2,073,516; Mar. 9.
Refrigerating system, Absorption. H. K. Bergholm. 2,073,091; Mar. 9.
Refrigeration. W. Kögel and N. Widell. 2,072,987; Mar. 9.
Refrigeration apparatus. H. K. Bergholm. 2,073,092; Mar. 9.
Regulating apparatus. W. Pontow and G. Schroeder. 2,073,072; Mar. 9.
Regulator: *See*—
Fluid pressure regulator. Windshield regulator.
Remote control system. J. B. N. Cardoza. 2,073,443; Mar. 9.
Removable insert receptacle. J. Heller and M. Heller. 2,073,478; Mar. 9.
Removable lock. P. W. Olson. 2,073,583; Mar. 9.
Resilient joint. M. Houdaille and C. Lecler. 2,073,419; Mar. 9.
Resins, Manufacture of synthetic. W. H. Moss. 2,072,901; Mar. 9.
Retractable landing gear. A. G. Butler, R. E. Palmer, and S. T. Payne. 2,073,362; Mar. 9.
Revolver clip. J. A. Woodhead. 2,073,436; Mar. 9.
Rig, Log sawing. C. E. Knapp. 2,073,407; Mar. 9.
Ring: *See*—
Finger ring. Piston ring.
Ring bracing of rigid airships. L. Dürr. 2,073,297; Mar. 9.
Rod joint or coupling. J. A. Martin. 2,072,898; Mar. 9.
Roller assembly, Pad. E. Ross and A. S. Eliason. 2,073,225; Mar. 9.
Rolls, Making printing. M. M. Safford. 2,073,528; Mar. 9.
Roof, Self-supporting tank. J. B. Williamson. 2,073,358; Mar. 9.
Rotary for well drilling. A. R. Maier. 2,073,559; Mar. 9.
Rotary machine. L. E. Zerbe. 2,072,936; Mar. 9.
Rotary pump. I. C. Jennings. 2,073,014; Mar. 9.
Rotary pump. J. Mann. 2,073,215; Mar. 9.
Rotary pump. C. J. Westin. 2,073,188; Mar. 9.
Rule. J. Komorous. 2,073,421; Mar. 9.
Rule, Collable measuring. F. A. Volz. 2,073,235; Mar. 9.
Safety base receptacle. G. T. Kennedy. 2,073,535; Mar. 9.
Sanitary cover. F. H. Bimrose. 2,073,137; Mar. 9.
Sanitary napkin. H. J. Schaeffer. 2,073,591; Mar. 9.
Sanitary napkins or the like, Method and apparatus for making. C. P. Winter. 2,073,329; Mar. 9.
Saw, Scroll. H. E. Tautz. 2,073,430; Mar. 9.
Scale, Computing. O. Malcher. 2,073,162; Mar. 9.
Scraper, Earth. J. H. Greene. 2,073,391; Mar. 9.
Scraper, Wall. J. Grant. 2,072,859; Mar. 9.
Seal, Gas meter. J. H. Dennis and J. V. King. 2,073,295; Mar. 9.
Searchlight with ellipsoid mirror. F. R. Dietrich. 2,072,849; Mar. 9.
Seat. J. H. McManus. 2,073,315; Mar. 9.
Selective control device. R. T. Fox and V. I. Hullett. 2,073,417; Mar. 9.
Selector for telephone installations. A. Wirth. 2,073,087; Mar. 9.
Selector, Manually operable. E. Shipton. 2,073,568; Mar. 9.
Separable fastener, Slide-operated. L. Roseman. 2,073,380; Mar. 9.
Separator: *See*—
Centrifugal separator.
Separator. E. C. Saint-Jacques. 2,073,520; Mar. 9.
Separator attachment for roughage mills. J. Holland-Letz. 2,072,920; Mar. 9.
Sewage, Treating. H. Blunk. 2,073,441; Mar. 9.
Sewing machine, Buttonhole. J. H. Pikul. 2,072,991; Mar. 9.
Sewing machine, Continuous variable stitch. L. Roseman. 2,072,967; Mar. 9.
Sewing machine, Multiple stitch. L. Roseman. 2,072,966; Mar. 9.
Sewing machine, Rotary hook. N. V. Christensen. 2,073,593; Mar. 9.
Shade, Lamp. L. V. Aronson. 2,073,135; Mar. 9.
Shaft mounting for writing-computing machines. E. L. Wise. 2,073,397; Mar. 9.
Sharpening device. F. W. Thom. 2,072,970; Mar. 9.
Shears, Hedge. P. S. and T. S. Vosbiklan. 2,073,460; Mar. 9.
Sheet measuring and cutting machine. J. R. Johnston. 2,073,420; Mar. 9.
Sheller, Corn. A. E. Gilman. 2,073,302; Mar. 9.
Shield, Shoe. J. Rose. 2,073,181; Mar. 9.
Shield, Vacuum tube insulator. P. Kniepen. 2,073,482; Mar. 9.
Shingle. F. C. Young. 2,073,274; Mar. 9.
Shock absorber, Counteracting. R. W. Rink. 2,073,180; Mar. 9.
Shoe. R. S. Megathlin. 2,072,900; Mar. 9.
Shoe and shoe part. O. H. L. Thelen. 2,072,929; Mar. 9.
Shoe bottom unit and making the same. W. W. Prue. 2,073,025; Mar. 9.
Shoe construction. C. G. Wernmark. 2,073,543; Mar. 9.
Shoe, Swimming. F. S. Sutherland. 2,073,570; Mar. 9.
Shutter release for folding cameras. A. Nagel. 2,073,285; Mar. 9.
Sign: *See*—
Advertising display sign. Luminous tube sign.
Illuminated sign. Neon sign.
Signal. J. S. Wilder. 2,072,914; Mar. 9.
Signal device. R. L. Carr. 2,073,364; Mar. 9.

Signal device for vehicles. G. F. Knowles. 2,073,536; Mar. 9.
Signaling system. H. A. Douglas. 2,072,869; Mar. 9.
Signaling system. J. P. Shanklin. 2,073,409; Mar. 9.
Silencer. C. E. Nelson. 2,072,961; Mar. 9.
Silk and the like, Manufacture of artificial. H. W. Webb. 2,073,271; Mar. 9.
Single delivery dispensing container. W. S. Luckett. 2,073,376; Mar. 9.
Single phase condenser motor. E. C. Ballman. 2,073,532; Mar. 9.
Skate, Roller. W. O. Westerdahl. 2,073,435; Mar. 9.
Slats for Venetian blinds. G. W. Kirsch. 2,073,016; Mar. 9.
Slicing machine. S. M. Blackburn and W. L. Schellenbach. 2,072,846; Mar. 9.
Slicing machine. C. T. Walter. 2,073,082; Mar. 9.
Slides and the like, Making colored. A. P. d'Andrea. 2,073,387; Mar. 9.
Snubbing means for semaphore signals. S. C. Bryant. 2,073,575; Mar. 9.
Soaps from oxidized non-aromatic hydrocarbons, Producing pure. H. Franzen. 2,073,054; Mar. 9.
Socket. F. C. De Reamer. 2,073,512; Mar. 9.
Solder, Brazing. C. S. Smith. 2,073,077; Mar. 9.
Solutions of organic chlorine compounds. F. C. Schmelkes and H. C. Marks. 2,073,256; Mar. 9.
Solvent fractionation of gasoline. O. Fitz Simons and W. H. Bahlke. 2,073,517; Mar. 9.
Sound, Method and apparatus for reproducing. O. Sandvik. 2,073,287; Mar. 9.
Sound recording system. H. C. Silent. 2,073,458; Mar. 9.
Sound reproducing means. J. McCracken. 2,073,561; Mar. 9.
Spacer, Slice. N. J. Dziedzic and C. L. Straeten. 2,073,097; Mar. 9.
Speed change device, Automatic. W. L. McDonald. 2,073,264; Mar. 9.
Speed mechanism, Progressive change. F. Muhlenbruch. 2,073,284; Mar. 9.
Speedometer. R. O. Helgeby. 2,073,152–3; Mar. 9.
Sphere valve. P. A. Kinzie. 2,073,481; Mar. 9.
Spray coating machine. F. A. Geffs. 2,072,948; Mar. 9.
Sprayer, Liquid. W. Somondson. 2,073,569; Mar. 9.
Spring assembly. G. C. Batz and H. H. Lanning. 2,073,533; Mar. 9.
Spring suspension device, Vehicle. T. C. Prouty. 2,073,267; Mar. 9.
Spring suspension for a baby carriage body. H. D. Schwarzbaum and E. C. Keyworth. 2,073,497; Mar. 9.
Spring suspension for vehicles. R. J. Stimson. 2,073,032; Mar. 9.
Sprinkling device. H. L. Webb. 2,073,187; Mar. 9.
Stand: *See*—
  Basket stand.
  Packing and weighing stand.
Starter control. B. S. Aikman. 2,073,133; Mar. 9.
Steam heating systems, Apparatus for treating. O. J. Bublitz. 2,073,139; Mar. 9.
Steel, Coloring and hardening. A. R. Stargardter. 2,073,501; Mar. 9.
Steering stabilizer. J. K. Lencke and H. Schmid. 2,072,954; Mar. 9.
Stencil device. C. H. Rasmussen. 2,073,379; Mar. 9.
Stocking and making the same. R. H. Lawson and A. N. Cloutier. 2,073,487; Mar. 9.
Stoker. H. E. Lippert. 2,073,213; Mar. 9.
Stoker, Mechanical. B. M. Guthrie. 2,073,059; Mar. 9.
Stone polishing machine. W. G. Cumming. 2,073,400; Mar. 9.
Stop, Door. M. P. Potter. 2,073,024; Mar. 9.
Stop for phonographs, Automatic. A. F. Zeman. 2,073,042; Mar. 9.
Stopper, Bottle. W. Albrecht. 2,073,043; Mar. 9.
Stopping-place indicator for vehicles. R. Zinter. 2,073,437; Mar. 9.
Stove. B. B. Kahn. 2,073,240; Mar. 9.
Stove, Reversible. L. Moore. 2,073,165; Mar. 9.
Strap for loom picker sticks, Lug. H. J. Barnett. 2,073,047; Mar. 9.
Straws, Making paper. L. La Veck. 2,072,891; Mar. 9.
Stretcher and supports therefor. B. Monk and H. J. Rickwood. 2,073,524; Mar. 9.
Stud. E. D. Coddington. 2,073,001; Mar. 9.
Suction cleaner. W. Leathers. 2,073,489; Mar. 9.
Sulphuric acid and lubricating oil stock, Intimately mixing. G. M. Pfau, D. C. Bolin, and E. W. Zublin. 2,073,253; Mar. 9.
Superheterodyne receiver. J. K. Johnson. 2,073,344–5; Mar. 9.
Supporting device. R. B. Knoth. 2,073,484; Mar. 9.
Surface cleaning means. H. L. Myers. 2,073,167; Mar. 9.
Swell expression engine. J. T. Austin. 2,072,844; Mar. 9.
Swing joint. W. F. Schaetzly. 2,073,255; Mar. 9.
Switch: *See*—
  Direction indicating switch.
  Electronic switch.
  Motor overload cut-out switch.
  Vacuum cleaner switch.
Switch. C. C. Howell. 2,073,555; Mar. 9.
Switch. J. Rosay. 2,073,319; Mar. 9.
Switching apparatus. W. Zingg. 2,073,330; Mar. 9.
Synchronous motor. E. D. Lilja. 2,072,894; Mar. 9.
Syringe. M. Klein and G. Grunberg. 2,073,067; Mar. 9.
Tag marking machine, Price. J. Weimont. 2,073,507; Mar. 9.
Tank: *See*—
  Processing tank.
Tap changing mechanism. L. H. Hill. 2,073,579; Mar. 9.
Tape affixing device. R. S. Watterson, Jr. 2,073,433; Mar. 9.
Tape, Manufacturing steel. A. T. Potter. 2,073,174; Mar. 9.
Tar emulsions, Method of and apparatus for electrically treating. W. Woelflin. 2,072,917; Mar. 9.
Telegraph system. H. Chireix. 2,073,333; Mar. 9.
Telephone system. L. J. Bowne. 2,072,940; Mar. 9.
Telephone system. A. J. Parissi. 2,073,585–7; Mar. 9.
Telephone system. S. B. Williams. 2,073,508; Mar. 9.
Television system. A. N. Goldsmith and T. R. Goldsborough. 2,073,370; Mar. 9.
Temperature control system. D. G. Taylor. 2,073,326; Mar. 9.
Temperature control system and method. G. M. Thurston. 2,073,459; Mar. 9.
Temperature display device. C. R. Palmer. 2,073,252; Mar. 9.
Terminal. G. R. Peirson. 2,073,118; Mar. 9.
Terminating system for shielded circuits. H. E. Curtis. 2,073,462; Mar. 9.
Textile materials, Production of artificial. W. I. Taylor. 2,072,927; Mar. 9.
Textile or other materials, Production of. W. I. Taylor. 2,072,926; Mar. 9.
Theft prevention system. A. E. Burch, Jr., and E. Cornwall. 2,072,941; Mar. 9.
Thermionic oscillation generator. T. D. Parkin. 2,073,117; Mar. 9.
Thermometer. B. Noyes, Jr. 2,073,395; Mar. 9.
Tile construction. D. A. Wallace. 2,073,130; Mar. 9.
Time control apparatus. H. E. Marschalk, Jr. 2,072,897; Mar. 9.
Time control for repositories. C. F. Mellink. 2,073,523; Mar. 9.
Tin plate, Cleaning and polishing. E. X. Riley. 2,073,427; Mar. 9.
Tire building drum, Collapsible. E. G. Templeton. 2,073,291; Mar. 9.
Tire spreader. W. A. Bishman. 2,073,510; Mar. 9.
Tobacco, Packaging short filler. F. H. B. Stelzer. 2,073,323; Mar. 9.
Tobacco pipe. E. L. Kellan. 2,073,211; Mar. 9.
Toilet. C. T. Giblette. 2,073,390; Mar. 9.
Toilet paper roll carrier. J. B. Kissam. 2,073,241; Mar. 9.
Toilet paper roll holder. J. L. Spieher. 2,073,429; Mar. 9.
Tomatoes, etc., Packing whole. E. C. Eberts. 2,073,340; Mar. 9.
Tone bar. J. S. Allen. 2,073,331; Mar. 9.
Tone control circuit, Automatic. C. Travis. 2,073,504; Mar. 9.
Tool: *See*—
  Hydraulic machine tool.
Toothpick dispensing apparatus. W. Schutsch and G. Kaeding. 2,072,923; Mar. 9.
Torch, Signal. H. E. Sherman. 2,073,530; Mar. 9.
Torsion meter. W. J. Guthrie and V. W. H. Towns. 2,073,206; Mar. 9.
Toy machine gun. F. S. Alonso. 2,073,544; Mar. 9.
Traffic controlling system for railroads, Centralized. T. J. Judge. 2,073,580; Mar. 9.
Train, Articulated. O. Jabelmann. 2,073,013; Mar. 9.
Train dispatching system for railroads. O. H. Dicke. 2,073,050–1; Mar. 9.
Train pipe connecter, Automatic. J. Robinson. 2,072,905; Mar. 9.
Transfer medium and making same. W. P. Cohoe. 2,072,943; Mar. 9.
Transmission control mechanism, Friction. J. O. Almen and W. D. Gove. 2,073,134; Mar. 9.
Transmission system. R. B. Lord. 2,073,451; Mar. 9.
Trap. A. C. Kahn. 2,073,373; Mar. 9.
Triazodyestuffs. H. Clingestein, E. Glietenberg, and O. Goos. 2,073,000; Mar. 9.
Trolley, Pantograph. H. W. Williams. 2,073,189; Mar. 9.
Truck, Car. J. A. Shafer. 2,073,075; Mar. 9.
Truss pad, Adjustable. J. C. M. Shaw. 2,073,289; Mar. 9.
Tube: *See*—
  Breathing tube.
  Discharge tube.
  Electron tube.
  Embalming drainage tube.
  Photoelectric tube.
  Positive column tube.
Tube and system for electron discharges. H. G. Cordes. 2,072,979; Mar. 9.
Tube closure, Flexible. R. L. Curran. 2,073,193; Mar. 9.
Turbine, Combustion. G. Belluzzo. 2,073,191; Mar. 9.
Type setting apparatus. E. L. Mellinger and O. R. Herwick. 2,073,115; Mar. 9.
Typewriting machine. W. J. Hagsman. 2,073,262; Mar. 9.
Typewriting machine. W. F. Helmond. 2,072,878; Mar. 9.
Underfloor duct system. J. W. Lewin. 2,073,490; Mar. 9.
Vacuum cleaner. H. C. Flint. 2,073,145; Mar. 9.
Vacuum cleaner switch. G. E. Lofgren. 2,073,244; Mar. 9.
Vacuum distillation. E. W. Fawcett and J. L. McCowen. 2,073,202; Mar. 9.
Valve: *See*—
  Composite metal motor valve.
  Sphere valve.
  Volume control valve.
Valve. R. E. Newell. 2,073,168; Mar. 9.

Valve. H. H. Robinson and T. C. Plath. 2,072,965; Mar. 9.
Valve. A. J. Trott. 2,073,541; Mar. 9.
Vehicle. R. C. Greene. 2,073,058; Mar. 9.
Vehicle. W. L. Morrison. 2,073,581; Mar. 9.
Vehicle lamp. H. J. Sauer. 2,073,074; Mar. 9.
Vehicle, Load hauling. G. S. Allin. 2,072,998; Mar. 9.
Vehicle, Motor. F. Roller. 2,073,029; Mar. 9.
Vehicle, Motor. M. Wagner. 2,072,994; Mar. 9.
Vehicle ventilating and signal unit. W. and J. B. Lintern. 2,073,159; Mar. 9.
Vessels for use at low temperatures, Pressure. J. C. Ducommun and J. W. Yant. 2,073,053; Mar. 9.
Vibrator for concrete work. A. W. Mall. 2,073,393; Mar. 9.
Voltmeter arrangement. L. M. Myers. 2,073,251; Mar. 9.
Volume control system, Quiet automatic. K. Wilhelm. 2,072,973; Mar. 9.
Volume control valve, Selective. F. I. Clark. 2,073,048; Mar. 9.
Wagon, Shockproof container. W. P. Kellett. 2,072,988; Mar. 9.
Wall assembly. P. A. Voigt. 2,073,036; Mar. 9.
Wall construction, Enameled metal. W. Hogenson. 2,072,882–3; Mar. 9.
Wall corner construction, Enameled metal. W. Hogenson. 2,072,884; Mar. 9.
Wall corner structure, Enameled metal. W. Hogenson. 2,072,885; Mar. 9.
Washer distributing mechanism. A. M. Scholz. 2,073,396; Mar. 9.
Washing machine. H. L. Johnston and D. A. Meeker. 2,073,521; Mar. 9.
Water filtering and purifying device. J. T. Brown. 2,072,848; Mar. 9.
Waterproofing. S. D. Gehman. 2,073,301; Mar. 9.
Waterproofing composition. C. J. Malm and C. R. Fordyce. 2,073,310; Mar. 9.
Water purification. O. E. Andrus. 2,072,976; Mar. 9.
Waving apparatus, Permanent. H. N. Durham and G. B. Finnegan, Jr. 2,072,857; Mar. 9.
Weighing machine comprising means for operating a valve, a counter, or another device. J. H. de Iongh. 2,073,445; Mar. 9.
Well cleaning system. C. H. Sweet. 2,073,126; Mar. 9.
Well pipe and tool joint. J. E. Brantly. 2,073,093; Mar. 9.
Well testing method and apparatus therefor. M. O. Johnston. 2,073,107; Mar. 9.
Wells, Method and apparatus for cementing. C. R. Dale. 2,072,982; Mar. 9.
Wheel: *See*—
  Antijackknife fifth wheel.
  Pneumatic cushion rail wheel.
Wheel feeding mechanism, Hydraulically operated. W. H. Wood. 2,073,574; Mar. 9.
Wheel for vacuum cleaners, Collapsible. W. Leathers. 2,073,347; Mar. 9.
Wheels, Making abrasive. B. Sanford. 2,073,590; Mar. 9.
Windshield. C. M. Buehn. 2,073,140; Mar. 9.
Windshield regulator. A. T. Potter. 2,073,173; Mar. 9.
Window operating device, Duplex. E. J. Kirchoff. 2,073,406; Mar. 9.
Window runway or channel. C. J. McKinney. 2,072,899; Mar. 9.
Wing truss. R. R. Osborn. 2,073,350; Mar. 9.
Wiper blade fastener. A. B. Kempel. 2,073,157; Mar. 9.
Wire drawing and annealing, Continuous. J. R. McKean and H. S. Busey. 2,073,283; Mar. 9.
Wire working machine. B. Hellman. 2,073,343; Mar. 9.
Wood and analogous vegetable materials, Drying and seasoning. V. Lacasse. 2,073,423; Mar. 9.
Wrappings, Manufacture of. A. Reppman. 2,073,564; Mar. 9.
Wringer. A. R. and G. A. Haag. 2,073,341; Mar. 9.
Yarns and films, Making colored artificial. W. Whitehead. 2,072,931; Mar. 9.
Zirconium oxides and making the same. C. J. Kinzie and D. S. Hake. 2,072,889; Mar. 9.

CLASSIFICATION OF PATENTS

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91: 2,073,326
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238— 195: 2,072,871
240— 2: R. 20,281
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8.3: 2,073,074

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110: 2,073,135
242— 55.2: 2,073,429
56: 2,073,420
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244— 38: 2,073,350
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125: 2,073,297
246— 3: 2,073,050
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247— 3: 2,073,490
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248— 22: 2,073,450
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186: 2,072,877
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46: 2,073,022
62: 2,073,086
74: 2,073,000
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309— 12: 2,073,499
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312— 84: 2,072,923

U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Syrup for use as a sedative and expectorant in coughs due to colds. Serial No. 387,649; Mar. 16. Class 6.

Abercrombie & Fitch Company, New York, N. Y. Basins and water-buckets, friction-top cans, drinking flasks, etc. Serial No. 386,137; Mar. 16. Class 2.

Abercrombie & Fitch Company, New York, N. Y. Rucksacks, duffle bags, carryalls, etc. Serial No. 386,138; Mar. 16. Class 3.

Abercrombie & Fitch Company, New York, N. Y. Ash trays, cigar and tobacco humidors, pipes, etc. Serial No. 386,139; Mar. 16. Class 8.

Abercrombie & Fitch Company, New York, N. Y. Suits, coats, vests, etc. Serial No. 386,141; Mar. 16. Class 39.

Abercrombie & Fitch Company, New York, N. Y. Rubber blankets, statues, statuettes, etc. Serial No. 386,142; Mar. 16. Class 50.

Airpak Limited, London, England. Kapok. Serial No. 387,692; Mar. 16. Class 1.

Alexander, A. M., Chicago, Ill. Hand cleanser. Serial No. 362,605; Mar. 16. Class 4.

Alligator Company, The, St. Louis, Mo. Gabardine topcoats. Serial No. 387,486; Mar. 16. Class 39.

Alox Manufacturing Company. (See Frier, John.)

American Bakeries Co., Atlanta, Ga. Butter crackers. Serial No. 387,725; Mar. 16. Class 46.

American Bemberg Corporation, New York, N. Y. Thread and yarn. Serial No. 373,478; Mar. 16. Class 43.

American Brakelok Corporation, New York, N. Y., and Detroit, Mich. Frictional elements for brakes and clutches, and fan belts, etc. Serial No. 385,503; Mar. 16. Class 35.

American Chicle Company, Long Island City, N. Y. Chewing gum. Serial No. 387,934; Mar. 16. Class 46.

Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. Serial No. 374,394; Mar. 16. Class 39.

Ashby Chemical Company. (See Balyeat, Ray M.)

Atlas Supply Company, Newark, N. J. Hydraulic brake fluid. Serial No. 387,449; Mar. 16. Class 6.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 388,082; Mar. 16. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial Nos. 388,084–6; Mar. 16. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 388,088; Mar. 16. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 388,302; Mar. 16. Class 17.

Balyeat, Ray M., doing business as Ashby Chemical Company, Oklahoma City, Okla. Atomizers, vaporizers, and nebulizers. Serial No. 387,537; Mar. 16. Class 44.

Barmon Brothers Company Inc., Buffalo, N. Y. Frocks, dresses, smocks, etc. Serial No. 384,989; Mar. 16. Class 39.

Bassick Company, The, Bridgeport, Conn. Furniture caster wheels. Serial No. 387,104; Mar. 16. Class 13.

Beaumont Laboratories. (See Grove Laboratories, Inc., The.)

Beaver Shirt Manufacturing Co. Inc., New York, N. Y. Shirts and pajamas. Serial No. 388,045; Mar. 16. Class 39.

Benaris. (See Bernardi, Giacomo.)

Bernardi, Giacomo, doing business as Benaris, Cleveland, Ohio. Drugs, medicines, and pharmaceutical preparations. Serial No. 386,477; Mar. 16. Class 6.

Bethlehem Steel Company, Bethlehem, Pa. Zinc coated wire. Serial No. 386,145; Mar. 16. Class 14.

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Woven textile rugs and carpets. Serial No. 387,265; Mar. 16. Class 42.

Billhuber, E., Inc., Jersey City, N. J. Medicinal compound. Serial No. 383,383; Mar. 16. Class 6.

Bird & Son, Inc., East Walpole, Mass. Floor covering. Serial No. 387,974; Mar. 16. Class 20.

Blockson Chemical Co., Joliet, Ill. Mono calcium phosphate. Serial No. 386,303; Mar. 16. Class 6.

Bonat, Samuel, & Bro., New York, N. Y. Hair waving solution, hair rinse, hair tonic, and hair shampoo. Serial No. 387,776; Mar. 16. Class 6.

Bon-Pier Company, Canton, Ohio. Dog and animal repellent. Serial No. 378,689; Mar. 16. Class 6.

Boricua Medicine Company. (See Cajigas, Antonio.)

Bourjois, Inc., New York, N. Y. Perfume. Serial No. 387,492; Mar. 16. Class 6.

Boyd, Harry W., Slippery Rock, Pa. Medicinal preparation. Serial No. 386,096; Mar. 16. Class 6.

Boyle, John G., Saginaw, Mich. Cleansing cream, tissue builder, astringent cream, etc. Serial No. 373,556; Mar. 16. Class 6.

Brogirot, Incorporated, New York, N. Y. Pharmaceutical preparation. Serial No. 387,493; Mar. 16. Class 6.

Brooks Brothers, New York, N. Y. Collars. Serial No. 387,699; Mar. 16. Class 39.

Burton Brothers & Co. Inc., New York, N. Y. Cotton piece goods. Serial Nos. 387,858–9; Mar. 16. Class 42.

Cajigas, Antonio, doing business as Boricua Medicine Company, New York, N. Y. Bay rum. Serial No. 387,619; Mar. 16. Class 6.

Canine Catering Co. of America, Inc., Upper Darby, Pa. Canned food for carnivorous animals. Serial No. 382,544; Mar. 16. Class 46.

Carioca Enterprises Corporation, New York, N. Y. Cigarettes and cigars. Serial No. 386,632; Mar. 16. Class 17.

Carvin Bottle Cap Corporation, Brooklyn, N. Y. Caps, crowns, covers for containers, etc. Serial No. 387,373; Mar. 16. Class 50.

Cerecedo, J. H., doing business as J. H. Cerecedo Co., Chicago, Ill. Rum. Serial No. 384,785; Mar. 16. Class 49.

Chappel Bros., Inc., Rockford, Ill. Medicinal compound. Serial No. 387,538; Mar. 16. Class 6.

Cheesman, Raymond J., Washington, D. C. Paper. Serial No. 385,827; Mar. 16. Class 37.

Chicago Pharmacal Co., Chicago, Ill. Cough syrup. Serial No. 387,657; Mar. 16. Class 6.

Chilean Nitrate Sales Corporation, New York, N. Y. Nitrate of soda. Serial No. 387,818; Mar. 16. Class 6.

Citrus Products Inc., Los Angeles, Calif. Canned citrus juices. Serial No. 386,848; Mar. 16. Class 46.

Cohasset Club Beverage Co. (See Skrabsky, Lottie.)

Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and silk piece goods. Serial No. 387,174; Mar. 16. Class 42.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Industrial alkali. Serial No. 377,302; Mar. 16. Class 6.

Colony Dress Shop. (See Zwingenberger, Paula.)

Colorbrite Textiles, Inc., New York, N. Y. Cotton bath mats and toilet seat cotton lid covers. Serial No. 384,729; Mar. 16. Class 42.

Comex Trading Company Incorporated, New York, N. Y. Wines. Serial No. 383,124; Mar. 16. Class 47.

Corcoran, Walter P., doing business as Madra Yvonne Co., Cincinnati, Ohio. Hand lotion, cleansing cream, facial pack, etc. Serial No. 377,304; Mar. 16. Class 6.

Crocetta Bros. & Co., Inc., Gloversville, N. Y. Leather gloves. Serial No. 388,090; Mar. 16. Class 39.

Crocetta Bros. & Co., Inc., Gloversville, N. Y. Leather gloves. Serial No. 388,185; Mar. 16. Class 39.

Crown Luggage Co. (See Neumann, Jacob.)

Davega-City Radio, Inc., New York, N. Y. Bathing suits. Serial No. 388,049; Mar. 16. Class 39.

Davis & Geck, Inc., Brooklyn, N. Y. Surgical needles. Serial No. 382,378; Mar. 16. Class 44.

Derris, Inc., New York, N. Y. Insecticides. Serial No. 375,073; Mar. 16. Class 6.

Downey, Ellen C., doing business as Ellen Clarice Co., Detroit, Mich., Hollywood, Calif., and New York, N. Y. Beauty creams, cleansing creams, liquefying creams, etc. Serial No. 387,664; Mar. 16. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Polymerized derivative of methacrylic acid. Serial No. 387,991; Mar. 16. Class 1.

E-Z-E Shave Manufacturing Co. (See Fusco, Nicola.)

Easley, Delbert B., Bartlesville, Okla. Medicinal preparation. Serial No. 384,373; Mar. 16. Class 6.

East Tennessee Packing Company, Knoxville, Tenn. Smoked cured hams, breakfast bacon, bologna, etc. Serial No. 385,139; Mar. 16. Class 46.

Eaton Paper Corporation, Pittsfield, Mass. Stationery. Serial No. 386,582; Mar. 16. Class 37.

Ellen Clarice Co. (See Downey, Ellen C.)

Elma Products Company, Norwalk, Conn. Vehicle electric directional signals and vehicle electric lamps and lights. Serial No. 385,957; Mar. 16. Class 21.

Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus and workmanship practicing apparatus. Serial No. 387,891; Mar. 16. Class 22.

Exhibit Supply Company, Chicago, Ill. Coin-controlled vending machines. Serial No. 387,892; Mar. 16. Class 23.

Fairfax Farms Dairy, Inc., Washington, D. C. Egg nog mix. Serial No. 387,242; Mar. 16. Class 46.

Faith Mills, Inc., Averill Park, N. Y. Knitted undershirts, drawers, union suits, etc. Serial No. 387,995; Mar. 16. Class 39.

Farm Service Stores, Inc., Minneapolis, Minn. Binder twine. Serial No. 387,893; Mar. 16. Class 7.

Fawcett Publications, Inc., Greenwich, Conn. Magazines. Serial No. 387,700; Mar. 16. Class 38.

Fay Company. (See Kent, Fay T.)

Fehr, Frank, Brewing Co., Incorporated, Louisville, Ky. Ale. Serial No. 387,824; Mar. 16. Class 48.

Firth Carpet Co., The, New York, N. Y. Carpets and rugs. Serial Nos. 387,317–18; Mar. 16. Class 42.

Fishlove, H., & Co., Chicago, Ill. Imitation sausages made of some non-edible material. Serial No. 385,221; Mar. 16. Class 22.

Foderingham, Allan F., doing business as La Fodham's Product. Co., Brooklyn, N. Y. Beverage. Serial No. 387,463; Mar. 16. Class 45.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Food Products Co. of America, Chicago, Ill. Dried beans and baking powder. Serial No. 386,728; Mar. 16. Class 46.
Foot Filter, Inc., Jersey City, N. J. Medicated pads for insertion into shoes. Serial No. 370,762; Mar. 16. Class 6.
Ford Motor Sales Company, Dearborn and Highland Park, Mich. Passenger automobiles and motor trucks. Serial No. 381,156; Mar. 16. Class 19.
Frankel, B., Co., Inc., The, New York, N. Y. Non-electrical hair wavers. Serial No. 387,063; Mar. 16. Class 40.
Frier, John, doing business as Alox Manufacturing Company, Wellston, Mo. Kites. Serial No. 385,109; Mar. 16. Class 22.
Frigorifico Nacional of Montevideo, Montevideo, Uruguay. Canned meats, stewed tripe, tomato pulp, etc. Serial No. 383,679; Mar. 16. Class 46.
Fruhman, Sidney, Dallas, Tex. Women's straw hats and felt hats of all styles. Serial No. 381,806; Mar. 16. Class 39.
Fuller, Marcus A., Springfield, Mass. Dentifrices. Serial Nos. 386,208–9; Mar. 16. Class 6.
Fusco, Nicola, doing business as E-Z-E Shave Manufacturing Co., Brooklyn, N. Y. Beard softener for shaving. Serial No. 383,502; Mar. 16. Class 4.
Gay Games, Incorporated, Muncie, Ind. Jar and board games. Serial No. 387,161; Mar. 16. Class 22.
Glass, C. A., Co. Inc. Date Division, Los Angeles, Calif. Fresh dates. Serial No. 385,478; Mar. 16. Class 46.
Globe Knitting Works, Grand Rapids, Mich. Knit underwear. Serial No. 386,857; Mar. 16. Class 39.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Film, sheet or strip for wrapping, packaging, and covering. Serial No. 386,539; Mar. 16. Class 50.
Grant, William, & Sons Limited, Dufftown, Scotland. Blended Scotch whisky. Serial No. 387,744; Mar. 16. Class 49.
Graves, C. H., and Sons Company, Boston, Mass. Whiskey. Serial No. 387,501; Mar. 16. Class 49.
Gray, Marion R., doing business as Marion R. Gray Company, Los Angeles, Calif. Shirts, neckties or cravats, collars, etc. Serial No. 387,448; Mar. 16. Class 39.
Greenberg, Samuel, doing business as Lorraine Pipe Shop, New York, N. Y. Packages and tins of smoking tobacco. Serial No. 387,669; Mar. 16. Class 17.
Greenpoint Metallic Bed Company, Inc., Brooklyn, N. Y. Bed springs and mattresses. Serial No. 386,708; Mar. 16. Class 32.
Grocers' Spotlight, The, Detroit, Mich. Periodical. Serial No. 387,691; Mar. 16. Class 38.
Grove Laboratories, Inc., The, doing business as Beaumont Laboratories, Wilmington, Del., and St. Louis, Mo. Medicated ointment. Serial No. 387,621; Mar. 16. Class 6.
Guerlain Perfumery Corporation of Delaware, Wilmington, Del., and New York, N. Y. Perfumes, toilet water, vegetable lotion, etc. Serial No. 387,275; Mar. 16. Class 6.
Hedisco Company. (See Linton, Ulle C.)
Helier, B., & Company, Chicago, Ill. Bedbug destroyer. Serial No. 387,128; Mar. 16. Class 6.
Heresite & Chemical Company, Manitowoc, Wis. Molding powders and plastic and synthetic resinous materials. Serial No. 384,660; Mar. 16. Class 1.
Heyden Chemical Corporation, New York, N. Y. Organic acid derivatives. Serial No. 376,207; Mar. 16. Class 6.
Hillsboro-Queen Anne Cooperative Corporation, Baltimore, Md. Canned vegetables. Serial No. 386,490; Mar. 16. Class 46.
Hobby Shoe Company. (See McQuillen, Roy M.)
Hollywood Amusement Company, Inc., Chicago, Ill. Cards. Serial No. 386,210; Mar. 16. Class 22.
Indestro Manufacturing Corp., Chicago, Ill. Wrenches. Serial No. 387,905; Mar. 16. Class 23.
International Shoe Co., St. Louis, Mo. Boots and shoes. Serial No. 382,223; Mar. 16. Class 39.
Jackson, E. O., Distilling Co., Chicago, Ill. Whiskey, gin, and cordials. Serial No. 384,686; Mar. 16. Class 49.
Jadwiga Remedies, Inc., Brooklyn, N. Y. Medicinal wine. Serial No. 388,266; Mar. 16. Class 6.
Joyce-Cridland Co., The, Dayton, Ohio. Lifting mechanism. Serial No. 387,131; Mar. 16. Class 23.
Kabin Koach Company, East Detroit, Mich. Trailers. Serial No. 386,731; Mar. 16. Class 19.
Kabushiki-Kaisha Itami Seijusho, Itami, Itami-cho, Kawabe-gun, prefecture of Hyogo, Japan. Woollen textile fabrics. Serial No. 387,246; Mar. 16. Class 42.
Kayser, Julius, & Co., New York, N. Y. Ladies' underwear. Serial No. 388,137; Mar. 16. Class 39.
Kent, Fay T., doing business as Fay Company, New York, N. Y. Electric floor machines. Serial No. 383,630; Mar. 16. Class 21.
Kent Remedies, Inc., Brooklyn, N. Y. Stomach preparation. Serial No. 387,747; Mar. 16. Class 6.
Kent Remedies, Inc., Brooklyn, N. Y. Cough medicine. Serial No. 387,748; Mar. 16. Class 6.
Keyes Fibre Company, Waterville, Maine. Containers for baking or serving hot foods or liquids. Serial No. 381,766; Mar. 16. Class 2.
Kitchen Katch-All Corporation, The, Greenwich, Ohio. Nursing bottles. Serial No. 387,247; Mar. 16. Class 44.
Koerner, W., & Co., Cunnersdorf, Germany. Alcoholic bitters. Serial No. 378,696; Mar. 16. Class 49.
La Fodham's Product Co. (See Foderingham, Allan F.)
Lampasi Fruit Company, Los Angeles, Calif. Fresh citrus fruits and fresh vegetables. Serial No. 388,063; Mar. 16. Class 46.
La Salle Hat Company, The, Philadelphia, Pa. Men's and boys' hats and caps and ladies' hats. Serial No. 386,036; Mar. 16. Class 39.
Laucks, I. F., Inc., Seattle, Wash. Plywood and veneer. Serial No. 386,808; Mar. 16. Class 12.
Lentheric, Incorporated, New York, N. Y. Skin protecting and beautifying preparation. Serial No. 387,329; Mar. 16. Class 6.
Le Sage, Grover N., Coffeyville, Kans. Bread. Serial No. 385,590; Mar. 16. Class 46.
Linton, Ulle C., doing business as Hedisco Company, Washington, D. C. Paper cups, cans, bottles, etc. Serial No. 387,790; Mar. 16. Class 2.
Lofthouse, Dave O., Bemidji, Minn. Breath neutralizer in tablet form. Serial No. 386,864; Mar. 16. Class 6.
London House, Ltd., New York, N. Y. Hair brushes. Serial No. 387,791; Mar. 16. Class 29.
Lorraine Pipe Shop. (See Greenberg, Samuel.)
Lowe, Joe, Corporation, New York, N. Y. Chocolate flavor coatings. Serial No. 388,099; Mar. 16. Class 46.
Madra Yvonne Co. (See Corcoran, Walter P.)
Mahoning Paint & Oil Company, The, Youngstown, Ohio. Ready mixed paints and paints in paste and powder form, varnish, etc. Serial No. 385,361; Mar. 16. Class 16.
Manucol Products Limited, London, England. Alginic acid and salts of alginic acid. Serial No. 385,932; Mar. 16. Class 6.
Mark Cross Company, New York, N. Y. Perfumes and toilet waters. Serial No. 373,202; Mar. 16. Class 6.
Marti, Fritz, La Chaux-de-Fonds, Switzerland. Watches and horological movements and parts thereof. Serial No. 388,013; Mar. 16. Class 27.
McCarty, Justin, Inc., Dallas, Tex. Coats. Serial No. 386,436; Mar. 16, Class 39.
McQuillen, Roy M., doing business as Hobby Shoe Company, East Rochester, N. H. Shoes. Serial No. 388,014; Mar. 16. Class 39.
Mechling Brothers Chemical Company, Camden, N. J. Calcium chloride. Serial No. 387,586; Mar. 16. Class 6.
Merriam, G. & C., Company, Springfield, Mass. Books. Serial No. 385,987; Mar. 16. Class 38.
Meyrowitz, E. B., Inc., New York, N. Y. Eye-glasses for sporting purposes. Serial No. 381,164; Mar. 16. Class 26.
Mil-Hone Products Co., New York, N. Y. Fruit juices and flavoring extracts. Serial No. 382,436; Mar. 16. Class 45.
Miss Junior Coats, Inc., New York, N. Y. Coats, suits, and hats. Serial No. 388,201; Mar. 16. Class 39.
Mount Olive Pickle Co., Inc., doing business as Wayne Packing Co., Mount Olive, N. C. Pickles and sweet pickle relishes. Serial No. 385,635; Mar. 16. Class 46.
Narragansett Brewing Company, Cranston, R. I. Malt beverages. Serial No. 383,176; Mar. 16. Class 48.
Nashua Gummed and Coated Paper Company, Nashua, N. H. Wrapping bands. Serial No. 387,625; Mar. 16. Class 37.
Neumann, Jacob, doing business as Crown Luggage Co., Baltimore, Md. Luggage. Serial No. 387,141; Mar. 16. Class 3.
Neuschaefer, Franz, doing business as Plat-Num Laboratories, New York, N. Y. Cosmetics. Serial No. 386,081; Mar. 16. Class 6.
New Jersey Porcelain Company, Trenton, N. J. Bathroom fixtures. Serial No. 383,894; Mar. 16. Class 13.
New York Eye Protection Co., Inc., Brooklyn, N. Y. Goggles and protective glasses. Serial No. 387,252; Mar. 16. Class 26.
New York Hat & Cap Co., New York, N. Y. Hats and caps. Serial No. 387,473; Mar. 16. Class 39.
New York Merchandise Co., Inc., New York, N. Y. Combs. Serial Nos. 388,019–21; Mar. 16. Class 40.
Nicralumin Company, The, Jackson, Mich. Alloyed aluminum sheets, rods, bars, etc. Serial No. 381,281; Mar. 16. Class 14.
Nile Produce Export Co., Alexandria, Egypt. Canned tomatoes, peas, pickles, etc. Serial No. 351,384; Mar. 16. Class 46.
Normandie Potato Corporation, Milwaukee, Wis. Vacuum packed canned French fried potatoes. Serial No. 384,904; Mar. 16. Class 46.
North Pole Brewing Company, The, Fairmont, W. Va. Beer and ale. Serial No. 387,834; Mar. 16. Class 48.
Northwest, Inc., Portland, Oreg. Beverages. Serial No. 385,056; Mar. 16. Class 45.
Old Ben Coal Corporation, Chicago, Ill. Coal. Serial No. 387,950; Mar. 16. Class 1.
Orthopedic Shoes, Inc., Portsmouth, Ohio. Shoes. Serial No. 386,738; Mar. 16. Class 39.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Pepperell Manufacturing Company, Boston, Mass. Sheets and pillow cases. Serial No. 369,661; Mar. 16. Class 42.
Petty, Claudius M., doing business as Superior Garment Manufacturing Company, Wilkesboro, N. C. Overalls, overall jackets, pants, etc. Serial No. 381,376; Mar. 16. Class 39.
Pfuhl, Louise and Karl H., Rochelle Park, N. J. Cookies. Serial No. 385,061; Mar. 16. Class 46.
Pharmaceutische Gesellschaft "Vadag" Aktiengesellschaft, Vaduz, Lichtenstein. Compound for syphilis and similar diseases. Serial Nos. 377,997–8; Mar. 16. Class 6.
Picot Laboratories, Inc., Wilmington, Del. Medicinal preparation. Serial No. 387,595; Mar. 16. Class 6.
Plat-Num Laboratories. (See Neuschaefer, Franz.)
Po-Ho-Co A. G. Basle Gesellschaft für Po-Ho-Verbreitung, Basel, Switzerland. Medicinal preparation. Serial No. 383,544; Mar. 16. Class 6.
R. C. A. Rubber Company, The, Akron, Ohio. Rubber composition flooring and wall material. Serial No. 383,597; Mar. 16. Class 12.
Ramona Turkey Growers' Association, Ramona, Calif. Turkey poults and dressed turkey. Serial No. 379,260; Mar. 16. Class 46.
Raymond's, Inc., Boston, Mass. Surgical belts. Serial No. 387,395; Mar. 16. Class 44.
Reeves, Ruth L., doing business as The Wil-Fit Company, Union City, N. J. Bathing suits, men's underwear, ladies' underwear, etc. Serial No. 388,206; Mar. 16. Class 39.
Remington Arms Company, Inc., Bridgeport, Conn. Firearms. Serial No. 387,710; Mar. 16. Class 9.
Rifa-New York, Inc., New York, N. Y. Natural and synthetic essential oils. Serial No. 387,630; Mar. 16. Class 6.
Roanoke City Mills, Inc., Roanoke, Va. Wheat flour. Serial No. 386,009; Mar. 16. Class 46.
Rockland Chemical Co., Newark, N. J. Disinfectant, germicide, and deodorant preparation. Serial No. 387,444; Mar. 16. Class 6.
Rossberg, Charles, Jr., Baltimore, Md. Cream for dermato-therapeutical medication. Serial No. 386,569; Mar. 16. Class 6.
Ruberoid Co., The, Boundbrook, N. J., and New York, N. Y. Asbestos-cement shingles. Serial No. 385,201; Mar. 16. Class 12.
Schering Corporation, Bloomfield, N. J. Medicinal preparation. Serial No. 387,399; Mar. 16. Class 6.
Schneider, Lou, Inc., New York, N. Y. Ladies' coats and suits. Serial No. 387,799; Mar. 16. Class 39.
Semet-Solvay Company, New York, N. Y. Protective paints and roof coating. Serial No. 387,713; Mar. 16. Class 16.
Shaffer, John W., & Company, Minneapolis, Minn. Traffic button. Serial No. 385,754; Mar. 16. Class 50.
Shield Foods, Inc., Buffalo, N. Y. Canned salmon. Serial No. 388,073; Mar. 16. Class 46.
Shillman, A. & H., Company, Inc., Baltimore, Md. Yarns and threads. Serial No. 387,714; Mar. 16. Class 43.
Skrabsky, Lottie, doing business as Cohasset Club Beverage Co., Youngstown, Ohio. Carbonated beverages. Serial No. 387,404; Mar. 16. Class 45.
Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. Serial No. 387,757; Mar. 16. Class 6.
Société des Parfums Weil, Société Anonyme, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 385,809; Mar. 16. Class 6.
Squibb, E. R., & Sons, New York, N. Y. Preparations containing calcium, phosphorus, and vitamin D. Serial No. 386,380; Mar. 16. Class 6.
Squibb, E. R., & Sons, New York, N. Y. Pregnancy-test preparation. Serial No. 387,601; Mar. 16. Class 6.
Squire Dingee Company, Chicago, Ill. Pie mix. Serial No. 387,222; Mar. 16. Class 46.
Stapleton, Thomas L., Wyoming, Pa. Pharmaceutical preparation. Serial No. 385,652; Mar. 16. Class 6.
Sterilek Company Inc., The, Brooklyn, N. Y. Facial tissues. Serial No. 388,375; Mar. 16. Class 37.
Strathmore Paper Company, West Springfield, Mass. Book, cover, and printing papers. Serial No. 387,224; Mar. 16. Class 37.
Strauss, D., Co. Inc., New York, N. Y. Net fabrics. Serial No. 381,855; Mar. 16. Class 42.
Superior Garment Manufacturing Company. (See Petty, Claudius M.)
Supreme Label Co., Inc., New York, N. Y. Labels, name tapes, and tags. Serial No. 386,607; Mar. 16. Class 37.
T and T Tooth Powder Company. (See Terrell, George B.)
Ten-O-Win Amusement Company, San Francisco, Calif. Amusement apparatus. Serial No. 385,314; Mar. 16. Class 22.
Terrell, George B., doing business as T and T Tooth Powder Company, Flushing, N. Y. Tooth powder. Serial No. 387,229; Mar. 16. Class 6.
Texas Fisheries, Galveston, Tex. Frozen shrimp. Serial No. 385,914; Mar. 16. Class 46.
Tissue Brands Inc., Brooklyn, N. Y. Sanitary napkins. Serial No. 387,568; Mar. 16. Class 44.
Tobler, Ernst & Traber, Inc., New York, N. Y. Silk cloth, taffeta weave, in the piece. Serial No. 385,915; Mar. 16. Class 42.
Todd, Austin G., Kansas City, Mo. Games. Serial No. 387,357; Mar. 16. Class 22.
USL Battery Corporation, Niagara Falls, N. Y. Storage batteries and parts therefor. Serial No. 387,151; Mar. 16. Class 21.
Universal Chemical Corporation, Akron, Ohio. Soap. Serial No. 386,280; Mar. 16. Class 4.
Upjohn Company, The, Kalamazoo, Mich. Preparation for use in checking micro-organisms. Serial No. 387,569; Mar. 16. Class 6.
Virginia-Carolina Chemical Corporation, Richmond, Va. Monocalcium phosphate. Serial No. 387,447; Mar. 16. Class 6.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. Serial Nos. 388,161–6; Mar. 16. Class 49.
Wanamaker, John, New York, New York, N. Y. Sleeping garments. Serial No. 387,881; Mar. 16. Class 39.
Wayne Packing Co. (See Mount Olive Pickle Co., Inc.)
Western Underwear Co., Inc., New York, N. Y. Chemises, negligees, costume slips, etc. Serial Nos. 384,306–7; Mar. 16. Class 39.
Weston, Duncan, & Son Limited, London, England. Whisky. Serial No. 385,816; Mar. 16. Class 49.
West Virginia Match Corp., Wheeling, W. Va. Matches. Serial No. 386,511; Mar. 16. Class 9.
Wil-Fit Company, The. (See Reeves, Ruth L.)
Wooldridge, Richard J., Glastonbury, Conn. Aluminum welding rods and electrodes. Serial No. 386,921; Mar. 16. Class 14.
Worthington Pump and Machinery Corporation, Harrison, N. J. Ferrous metal. Serial No. 380,938; Mar. 16. Class 14.
Zepp, Francis E., Miami, Fla. Pile ointment. Serial No. 387,417; Mar. 16. Class 6.
Zwingenberger, Paula, doing business as Colony Dress Shop, New York, N. Y. Dresses. Serial No. 387,723; Mar. 16. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Fastener Corporation, Chicago, Ill. Stapling machines. 344,121; Mar. 16; Serial No. 371,290; published Jan. 5, 1937. Class 23.
Adcraft Club of Detroit, Detroit, Mich. Periodical. 344,233; Mar. 16; Serial No. 384,779; published Dec. 29, 1936. Class 38.
Advance Polishing Wheels, Inc., Chicago, Ill. Polishing wheels. 344,175; Mar. 16; Serial No. 383,046; published Jan. 5, 1937. Class 4.
Alexander & Baldwin, Ltd., Honolulu, Hawaii, San Francisco, Calif., Seattle, Wash., and Portland, Oreg. Canned pineapple and pineapple juice. 344,154; Mar. 16; Serial No. 379,335; published Jan. 5, 1937. Class 46.
Altman, B., & Co., New York, N. Y. Baby carriages. 344,231; Mar. 16; Serial No. 384,732; published Jan. 5, 1937. Class 19.
Amalgamated Lithographers of America, New York, N. Y. Periodical. 344,318; Mar. 16; Serial No. 385,468; published Jan. 5, 1937. Class 38.
American Dancer Publishing Co., Ltd., The, New York, N. Y. Magazines. 344,158; Mar. 16; Serial No. 380,029; published Dec. 29, 1936. Class 38.
American Merchandise Co. Inc., New York, N. Y. Needles for hand use, and thimbles. 344,208; Mar. 16; Serial No. 384,494; published Jan. 5, 1937. Class 40.
American Radiator Company, New York, N. Y. Hot water range boilers, gas and oil fired storage tanks, and expansion tanks. 344,182; Mar. 16; Serial No. 384,110; published Jan. 5, 1937. Class 34.
American Stores Company, Philadelphia, Pa. Tomato juice. 344,170; Mar. 16; Serial No. 382,419; published Jan. 5, 1937. Class 46.
Anaconda Copper Mining Company. (See Lewisohn Brothers.)
Appleton Novelty Company. (See Main, Willard F.)
Armeno Cereal Co., Westboro, Mass. Cereals and cereal products. 344,169; Mar. 16; Serial No. 382,373; published Dec. 29, 1936. Class 46.
Atlantic Calsomine Co., Inc., Brooklyn, N. Y. Compound for spachtling. 344,119; Mar. 16; Serial No. 371,131; published Jan. 5, 1937. Class 12.
Atlas Supply Company. (See Gane, Charles L.)
Augusta Knitting Corporation, Utica, N. Y. Underwear. 344,150; Mar. 16; Serial No. 378,607; published Jan. 5, 1937. Class 39.

Austin, Nichols & Co., Inc., Brooklyn and New York, N. Y., assignor to Austin, Nichols & Co., Inc., Brooklyn, N. Y. Salt, bluing. 116,874; renewed June 5, 1937. Class 6.

Avondale Mills, Birmingham, Ala. Yarns. 344,219; Mar. 16; Serial No. 384,642; published Jan. 5, 1937. Class 43.

B & L Laboratories, Inc., Chicago, Ill. Saponaceous material. 344,294; Mar. 16; Serial No. 383,798; published Dec. 29, 1936. Class 4.

B & M Associate Chemists, Santa Barbara, Calif. Preparation for the relief of impetigo, etc. 344,303; Mar. 16; Serial No. 385,246; published Jan. 5, 1937. Class 6.

Bachmann, L., & Co., Inc., New York, N. Y. Piece goods. 344,113; Mar. 16; Serial No. 357,486; published July 7, 1936. Class 42.

Barbasol Company, The, Indianapolis, Ind. Paste-like preparation for shaving. 344,122; Mar. 16; Serial No. 371,620; published Jan. 14, 1936. Class 4.

Barletta, Henry, Orange, N. J. True fruit flavors for making soft drinks. 344,342; Mar. 16. Class 45.

Battenfeld Grease & Oil Corp., Kansas City, Mo. Caulking compound. 344,132; Mar. 16; Serial No. 374,957; published Aug. 18, 1936. Class 12.

Bell, William G., Company, The, Boston, Mass. Spiced seasonings. 344,183–4; Mar. 16; Serial Nos. 384,113–4; published Dec. 29, 1936. Class 46.

Bennett Glass & Paint Company, Salt Lake City, Utah. Coloring material for paints. 344,220; Mar. 16; Serial No. 384,645; published Jan. 5, 1937. Class 16.

Berson, Joseph A., doing business as Springdale Distilling Company, Stamford, Conn. Whiskey. 344,130; Mar. 16; Serial No. 374,039; published Mar. 10, 1936. Class 49.

Bethlehem Steel Company, Bethlehem, Pa. Coated wire fence, coated barbed wire. 344,290; Mar. 16; Serial No. 383,516; published Jan. 5, 1937. Class 13.

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Woven textile rugs and carpets. 344,263; Mar. 16; Serial No. 385,083; published Jan. 5, 1937. Class 42.

Bliss, Murray J., doing business as Glass-Glow Co., Indianapolis, Ind. Liquid glass cleaner. 344,234; Mar. 16; Serial No. 384,783; published Dec. 29, 1936. Class 4.

Bliss, William, & Son, Limited, Chipping Norton, England. Piece goods. 344,323; Mar. 16; Serial No. 385,504; published Jan. 5, 1937. Class 42.

Blumenthal, Henry S., Jackson Heights, N. Y. Typewriter and other inked ribbons. 344,179; Mar. 16; Serial No. 384,025; published Jan. 5, 1937. Class 11.

Briggs Clarifier Company, Washington, D. C. Oil clarifiers. 344,319; Mar. 16; Serial No. 385,471; published Jan. 5, 1937. Class 31.

Broeg, William E., doing business as Parker Broeg, Boston, Mass. Buns. 344,346; Mar. 16. Class 46.

Brown Manufacturing Company, Inc., Newport News, Va. Stationary bottle openers. 344,264; Mar. 16; Serial No. 385,085; published Jan. 5, 1937. Class 23.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigars, cigarettes, smoking tobacco, etc. 344,348; Mar. 16. Class 17.

Bruckmann Company, The, Cincinnati, Ohio. Malt beverage. 344,310; Mar. 16; Serial No. 385,279; published Jan. 5, 1937. Class 48.

Burry Biscuit Corporation, Chicago, Ill., and Linden, N. J. Biscuits, crackers, and cookies. 344,293; Mar. 16; Serial No. 383,717; published Dec. 29, 1936. Class 46.

Butter Cream Confectionery Corp., Union City, N. J. Candy. 344,198; Mar. 16; Serial No. 384,317; published Jan. 5, 1937. Class 46.

Caldwell, Helen A., doing business as Caldwell Chemical Co., Seattle, Wash. Composition used in spraying plants, etc. 344,144; Mar. 16; Serial No. 377,872; published Jan. 5, 1937. Class 6.

Calvaire Incorporated, New York, N. Y. Thermometer to be used as a dress ornament. 344,136; Mar. 16; Serial No. 376,626; published Jan. 5, 1937. Class 26.

Canada Dry Ginger Ale, Incorporated, New York, N. Y., assignor to Canada Dry Ginger Ale, Incorporated. Gin. 344,116; Mar. 16; Serial No. 365,723; published Sept. 15, 1936. Class 49.

Casco Products Corporation, Bridgeport, Conn. Electric fans and rheostats and generator regulators. 344,252; Mar. 16; Serial No. 384,991; published Jan. 5, 1937. Class 21.

Case & Co., Inc., New York, N. Y. Lace and net piece goods and embroidered piece goods or in the piece. 344,253; Mar. 16; Serial No. 384,993; published Jan. 5, 1937. Class 42.

Cavendish Trading Corporation, New York, N. Y. Blankets, comfortables, sheeting, etc. 344,166; Mar. 16; Serial No. 382,037; published Jan. 5, 1937. Class 42.

Cavignac, Frank H.-Associates, Glendale, Long Island, N. Y. Golf balls, golf clubs, and golf bags. 344,328; Mar. 16; Serial No. 385,558; published Jan. 5, 1937. Class 22.

Cavignac, Frank H.-Associates, Glendale, Long Island, N. Y. Golf balls. 344,329; Mar. 16; Serial No. 385,560; published Jan. 5, 1937. Class 22.

Charles & Co., New York, N. Y. Wines. 344,202; Mar. 16; Serial No. 384,407; published Jan. 5, 1937. Class 47.

Chauss, Moe A., Minneapolis, Minn. Men's spats, mufflers, cravats, and suspenders. 344,287; Mar. 16; Serial No. 383,468; published Jan. 5, 1937. Class 39.

Cities Service Oil Company. (See Crew Levick Company.)

Collyer, Bert E., Chicago, Ill. Column, section, or department of a periodical. 344,201; Mar. 16; Serial No. 384,372; published Jan. 5, 1937. Class 38.

Collyer's Publishing Company, Chicago, Ill. Periodical. 344,192; Mar. 16; Serial No. 384,284; published Jan. 5, 1937. Class 38.

Compania de Productos Marinos, S. A., Ensenada, Mexico. Canned fish. 344,163; Mar. 16; Serial No. 381,402; published Jan. 5, 1937. Class 46.

Con-Perro Paint & Varnish Company, The, St. Louis, Mo. Prepared paint, varnish stain, paint enamel, etc. 344,177; Mar. 16; Serial No. 383,914; published Jan. 5, 1937. Class 16.

Cornell-Davis Laboratories, Detroit, Mich. Type cleaner and a preparation for removing ink from the hands. 344,146; Mar. 16; Serial No. 378,289; published Dec. 29, 1936. Class 4.

Crew Levick Company, Philadelphia, Pa., by merger to Cities Service Oil Company, New York, N. Y. Polishing-cloths. 115,357; renewed Feb. 6, 1937.

David, Peter, doing business as Peter David Leather Dressing Co., Seattle, Wash. Oil dressings, cleaners, and polishes for leather, etc. 344,142; Mar. 16; Serial No. 377,672; published Dec. 29, 1936. Class 4.

Defender Photo Supply Company, Inc., Rochester, N. Y. Photographic print paper. 344,123; Mar. 16; Serial No. 371,808; published Jan. 5, 1937. Class 26.

Delta Manufacturing Company, Milwaukee, Wis. Safety shields. 344,349; Mar. 16. Class 23.

Derby Oil Company, The, Wichita, Kans. Gasoline and motor lubricating oils. 344,215; Mar. 16; Serial No. 384,582; published Dec. 29, 1936. Class 15.

Diego Guardino, Brooklyn, N. Y. Ice cream and sherbets. 344,242; Mar. 16; Serial No. 384,892; published Dec. 29, 1936. Class 46.

Dietrich, William S., doing business as Pokadot Chemical Company, Greenville, Pa. Furniture polish and cleaner. 344,300; Mar. 16; Serial No. 385,217; published Jan. 5, 1937. Class 16.

Disston, Henry, & Sons, Incorporated, Tacony, Pa. Files. 344,343; Mar. 16. Class 23.

Dongan Electric Manufacturing Company, Detroit, Mich. Electrical transformers. 344,209; Mar. 16; Serial No. 384,518; published Jan. 5, 1937. Class 21.

Drewrys Limited U. S. A., Inc., South Bend, Ind. Beer and ale. 344,324; Mar. 16; Serial No. 385,511; published Jan. 5, 1937. Class 48.

Drewrys Limited U. S. A., Inc., South Bend, Ind. Beer. 344,325; Mar. 16; Serial No. 385,512; published Jan. 5, 1937. Class 48.

Du Barry Frock, Corp., New York, N. Y. Dresses. 344,240; Mar. 16; Serial No. 384,844; published Jan. 5, 1937. Class 39.

Duganne, Charles G., Washington, D. C. Golf game and practicing apparatus therefor. 344,145; Mar. 16; Serial No. 378,187; published Jan. 5, 1937. Class 22.

E-Z-On Dresses Inc., New York, N. Y. Ladies' dresses. 344,241; Mar. 16; Serial No. 384,889; published Jan. 5, 1937. Class 39.

Eastman Kodak Company, Rochester, N. Y. Photographic prints. 344,304–5; Mar. 16; Serial Nos. 385,254–5; published Jan. 5, 1937. Class 38.

Electric Auto-Lite Company, The, Toledo, Ohio. Spark plugs. 344,193; Mar. 16; Serial No. 384,286; published Jan. 5, 1937. Class 21.

Electric Auto-Lite Company, The, Toledo, Ohio. Spark plug electrodes. 344,194; Mar. 16; Serial No. 384,287; published Jan. 5, 1937. Class 21.

Electric Auto-Lite Company, The, Toledo, Ohio. Spark plug insulators. 344,195; Mar. 16; Serial No. 384,288; published Jan. 5, 1937. Class 21.

Enterprise & Century Undergarment Co. Inc., New York, N. Y. Ladies' slips. 344,133; Mar. 16; Serial No. 375,637; published Jan. 5, 1937. Class 39.

Europa Sales Corporation, New York, N. Y. Candies. 344,341; Mar. 16. Class 46.

European Wine Exporters & Growers Agencies, Inc., New York, N. Y. Wines. 344,265; Mar. 16; Serial No. 385,090; published Jan. 5, 1937. Class 47.

Eve Publishing Corporation, New York, N. Y. Publication. 344,140; Mar. 16; Serial No. 377,215; published Jan. 5, 1937. Class 38.

Filatex Corporation, New York, N. Y. Elastic yarn. 344,276; Mar. 16; Serial No. 385,181; published Jan. 5, 1937. Class 43.

Fleischmann Distilling Corporation, The, New York, N. Y. Gin. 344,124; Mar. 16; Serial No. 372,872; published Mar. 3, 1936. Class 49.

Foertsch, Edward L., doing business as Radiad Service, Chicago, Ill. Periodical program skits. 344,284; Mar. 16; Serial No. 383,429; published Dec. 29, 1936. Class 38.

Foley and Company, Chicago, Ill. Preparation for the treatment of piles. 344,306; Mar. 16; Serial No. 385,257; published Jan. 5, 1937. Class 6.

Forrest Yarn Company, Philadelphia, Pa. Yarns. 344,189; Mar. 16; Serial No. 384,208; published Jan. 5, 1937. Class 43.

Forsberg Manufacturing Co., The, Bridgeport, Conn. Screw drivers, putty knives, scraping knives, etc. 344,134; Mar. 16; Serial No. 376,122; published Jan. 5, 1937. Class 23.

Franklin Research Company, Philadelphia, Pa. Varnish. 344,334; Mar. 16; Serial No. 385,927; published Jan. 5, 1937. Class 16.

Gane, Charles L., doing business as Atlas Supply Company, Philadelphia, Pa. Waterproof adhesives and cements. 344,292; Mar. 16; Serial No. 383,619; published Jan. 5, 1937. Class 5.

Garfield, Richard A., New York, N. Y. Chewing gum. 344,336; Mar. 16; Serial No. 384,526; published Dec. 22, 1936. Class 6.

General Electric Company, Schenectady, N. Y. Electrical transformers. 344,131; Mar. 16; Serial No. 374,325; published Jan. 5, 1937. Class 21.

General Mills, Inc., Minneapolis, Minn. Potato chips. 344,277; Mar. 16; Serial No. 385,183; published Jan. 5, 1937. Class 46.

Gilbert, William L., Clock Corporation, Winsted, Conn. Clocks. 344,335; Mar. 16; Serial No. 385,980; published Jan. 5, 1937. Class 27.

Ginzkey, L., -Maffersdorf, Inc., New York, N. Y. Carpets and rugs. 344,331; Mar. 16; Serial No. 385,627; published Jan. 5, 1937. Class 42.

Glass-Glow Co. (See Bliss, Murray J.)

Glidden Company, The, Cleveland, Ohio. Lacquers. 344,297; Mar. 16; Serial No. 385,185; published Jan. 5, 1937. Class 16.

Goetz, A. D., Company, Ranson, W. Va. Horse-collars, harness, and parts thereof. 112,365; renewed Sept. 5, 1936.

Gomei Kaisha Domoto Shokai, Minami-ku, Osaka, Japan. Canned beef, canned chicken, canned fish, etc. 344,117; Mar. 16; Serial No. 368,176; published Dec. 29, 1936. Class 46.

Graffigna, John, Lodi and Acampo, Calif. Fresh grapes, plums, and cherries and fresh vegetables. 344,225; Mar. 16; Serial No. 384,705; published Jan. 5, 1937. Class 46.

Great Wardrobe, Ltd., The, Santa Barbara, Calif. Suits, jackets, sweaters, etc. 344,238; Mar. 16; Serial No. 384,827; published Jan. 5, 1937. Class 39.

Grossman, Julius-Fred Greenberg Dress Co., New York, N. Y. Dresses. 344,313; Mar. 16; Serial No. 385,403; published Jan. 5, 1937. Class 39.

Hallmark Company Inc., The, New York, N. Y. Silver polish. 344,230; Mar. 16; Serial No. 384,727; published Dec. 29, 1936. Class 4.

Hercules Knitting Co., Milwaukee, Wis. Knitted capes. 344,221; Mar. 16; Serial No. 384,658; published Jan. 5, 1937. Class 39.

Holliday, W. J., & Co., Indianapolis, Ind. Free machining Bessemer steel. 344,347; Mar. 16, 1937. Class 14.

Hollywood Brands, Inc., doing business as Hollywood Candy Co., Minneapolis, Minn. Candy. 344,243; Mar. 16; Serial No. 384,894; published Dec. 29, 1936. Class 46.

Hydraulic Equipment Company, Cleveland, Ohio. Hydraulic pumps, valves, and hydraulic operated mechanisms and fittings. 344,141; Mar. 16; Serial No. 377,393; published Jan. 5, 1937. Class 23.

Ideal Lamp & Shade Co. Inc., New York, N. Y. Lamp shades. 344,129; Mar. 16; Serial No. 373,957; published Apr. 21, 1936. Class 34.

Industrial Oil Corporation, Warren and Stoneham, Pa. Lubricating oils and greases. 344,244; Mar. 16; Serial No. 384,897; published Dec. 29, 1936. Class 15.

International Milling Company, Minneapolis, Minn. Wheat flour. 344,235; Mar. 16; Serial No. 384,797; published Jan. 5, 1937. Class 46.

International Safety Razor Corp., Bloomfield, N. J. Razors and razor blades. 344,314; Mar. 16; Serial No. 385,409; published Jan. 5, 1937. Class 23.

Irwin Auger Bit Company, The, Wilmington, Ohio. Screw drivers. 344,345; Mar. 16, 1937. Class 23.

Ivey, Ernest M. F., doing business as Ivey's Laboratories, Tucson, Ariz. Medical preparation for treating sinus affections etc. 344,222; Mar. 16; Serial No. 384,662; published Jan. 5, 1937. Class 6.

Jaffray, Stuart Lee, Inc., Brooklyn, N. Y. Malt preparation for bread making. 344,206; Mar. 16; Serial No. 384,467; published Jan. 5, 1937. Class 46.

Jenco Brothers, Inc., Paterson, N. J. Adhesive cement substances. 344,266; Mar. 16; Serial No. 385,101; published Jan. 5, 1937. Class 5.

Johns-Manville Corporation, New York, N. Y. Lightweight structural panel. 344,203; Mar. 16; Serial No. 384,423; published Jan. 5, 1937. Class 12.

Johnson, S. C., & Son, Inc., Racine, Wis. Liquid polish. 344,112; Mar. 16; Serial Nos. 326,861–2; published Nov. 20, 1934. Class 16.

Judge & Dolph, Ltd., Chicago, Ill. Whiskey. 344,125; Mar. 16; Serial No. 373,045; published Sept. 8, 1936. Class 49.

Kaase, Richard W., Company, The, Cleveland, Ohio. Cakes, pies, French pastries, etc. 344,289; Mar. 16; Serial No. 383,506; published Jan. 5, 1937. Class 46.

Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Motion picture projection apparatus and/or sound reproducing apparatus employing sound films, sensitive photographic film, etc. 344,152; Mar. 16; Serial No. 378,999; published Jan. 5, 1937. Class 26.

Kantro, Albert M., doing business as Kan-Tro Products Co., Los Angeles, Calif. Wine. 344,257; Mar. 16; Serial No. 385,044; published Jan. 5, 1937. Class 47.

Kan-Tro Products Co. (See Kantro, Albert M.)

Karol Preparations, Inc., New York, N. Y. Shaving cream. 344,137; Mar. 16; Serial No. 376,806; published June 30, 1936. Class 4.

Kaye, John, & Son (Huddersfield) Limited, Huddersfield, England. Aprons and overalls. 344,315; Mar. 16; Serial No. 385,411; published Jan. 5, 1937. Class 39.

Kaye, John, & Son (Huddersfield) Limited, Huddersfield, England. Blankets, perambulator rugs, and travelling rugs. 344,316; Mar. 16; Serial No. 385,412; published Jan. 5, 1937. Class 42.

Keasbey & Mattison Company, Ambler, Pa. Asbestos boards, asbestos sheets, asbestos lumber, etc. 344,320; Mar. 16; Serial No. 385,483; published Jan. 5, 1937. Class 12.

Kehoe, Jas. E., Inc., Chicago, Ill. Condensed buttermilk emulsion for animal and poultry feed. 344,167; Mar. 16; Serial No. 382,271; published Jan. 5, 1937. Class 46.

Kennedy, David E., Inc., Brooklyn, N. Y. Floor tiles. 344,245; Mar. 16; Serial No. 384,900; published Dec. 29, 1936. Class 12.

Kensington, Incorporated, New Kensington, Pa. Ornamental bowls, dishes, jars, etc. 344,337; Mar. 16, 1937. Class 2.

Kirch-Trumbull Corporation, Alden, N. Y. Dispensing cabinets for paper toilet articles. 344,216; Mar. 16; Serial No. 384,590; published Jan. 5, 1937. Class 23.

Kirkland, Frank, doing business as Kirkland Drug Co., Arcadia, La. Medicinal preparation for eczema, etc. 344,120; Mar. 16; Serial No. 371,267; published Jan. 5, 1937. Class 6.

Kleinert, I. B., Rubber Company, New York, N. Y. Step-in undergarments. 344,226; Mar. 16; Serial No. 384,710; published Jan. 5, 1937. Class 39.

Kleinert, I. B., Rubber Company, New York, N. Y. Shower curtains. 344,291; Mar. 16; Serial No. 383,538; published Jan. 5, 1937. Class 13.

Kotzen, Irving, Inc., New York, N. Y. Ladies' blouses, dresses, coats, etc. 344,135; Mar. 16; Serial No. 376,434; published Jan. 5, 1937. Class 39.

Langenieux, Jean M., New York, N. Y. Ribbons. 344,330; Mar. 16; Serial No. 385,589; published Jan. 5, 1937. Class 42.

LaTouraine Coffee Co., Boston, Mass. Coffee. 344,159; Mar. 16. Serial No. 380,176; published Sept. 22, 1936. Class 46.

Lewisohn Brothers, assignor, by mesne assignments, to Anaconda Copper Mining Company, New York, N. Y. Copper ingots. 13,976; rerenewed Jan. 11, 1937.

Lily of France Corset Co., assignor to Lily of France Corset Company, Inc., New York, N. Y. Corsets. 115,358; renewed Feb. 6, 1937.

Linette Co., The. (See Lubow, Hyman.)

Loose-Wiles Biscuit Company, Chicago, Ill. Cakes. 115,640; renewed Feb. 27, 1937.

Loose-Wiles Biscuit Company, New York, N. Y., and Kansas City, Mo., to Loose-Wiles Biscuit Company, Long Island City, N. Y. Cakes. 115,641; renewed Feb. 27, 1937.

Loose-Wiles Biscuit Company, New York, N. Y., and Kansas City, Mo., to Loose-Wiles Biscuit Company, Long Island City, N. Y. Cakes. 115,777; renewed Mar. 6, 1937.

Loose-Wiles Biscuit Company, New York, N. Y., and Kansas City, Mo., to Loose-Wiles Biscuit Company, Long Island City, N. Y. Cakes. 115,978; renewed Mar. 27, 1937.

Loose-Wiles Biscuit Company, New York, N. Y., and Kansas City, Mo., to Loose-Wiles Biscuit Company, Long Island City, N. Y. Cakes. 116,147; renewed Apr. 10, 1937.

Loose-Wiles Biscuit Company, Kansas City, Mo. Cakes. 116,333; renewed Apr. 24, 1937.

Los Angeles Soap Co., Los Angeles, Calif. Toilet soap. 344,258; Mar. 16; Serial No. 385,047; published Jan. 5, 1937. Class 4.

Louisville Wall Paper Co. Inc., Louisville, Ky. Wall paper, wheat paste. 344,270; Mar. 16; Serial No. 385,145; published Jan. 5, 1937. Class 5.

Louis Watch Co. Inc., New York, N. Y. Wrist watches, pocket watches, lapel watches, etc. 344,139; Mar. 16; Serial No. 377,055; published Jan. 5, 1937. Class 27.

Lubow, Hyman, doing business as The Linette Co., New York, N. Y. Cotton piece goods. 344,340; Mar. 16, 1937. Class 42.

Lyons-Magnus, Incorporated, doing business as The E. G. Lyons and Raas Company, San Francisco, Calif. Distilled alcoholic cordials. 344,200; Mar. 16; Serial No. 384,360; published Dec. 15, 1936. Class 49.

Main, Willard F., doing business as Appleton Novelty Company, Cedar Rapids, Iowa. Vending machines. 344,312; Mar. 16; Serial No. 385,362; published Jan. 5, 1937. Class 23.

Maison Blanche Company, New Orleans, La. Boys' suits and overcoats. 344,250; Mar. 16; Serial No. 384,944; published Jan. 5, 1937. Class 39.

Manifold Supplies Company, Brooklyn, N. Y. Carbon papers. 344,307; Mar. 16; Serial No. 385,264; published Jan. 5, 1937. Class 11.

Manufacturers News Bureau, Inc., Washington, D. C. Weekly news letter for manufacturers. 344,259; Mar. 16; Serial No. 385,051; published Jan. 5, 1937. Class 38.

Marder, B. L., Co., Chicago, Ill. Metal taps for tap dancing shoes. 344,271; Mar. 16; Serial No. 385,140; published Jan. 5, 1937. Class 13.

Marder, B. L., Co., Chicago, Ill. Metal taps for tap dancing shoes. 344,298; Mar. 16; Serial No. 385,191; published Jan. 5, 1937. Class 13.

Maritime Milling Co. Inc., Buffalo, N. Y. Dog food. 344,267; Mar. 16; Serial No. 385,103; published Jan. 5, 1937. Class 46.

Maryland-Pikesville Distillery, Inc., Baltimore, Md. Whiskey, blended whiskey, rum, gin, etc. 344,127; Mar. 16; Serial No. 373,927; published Mar. 3, 1936. Class 49.

May Oil Burner Corporation, Baltimore, Md. Oil burners, oil filters for oil burners, blowers for oil burners, etc. 344,204; Mar. 16; Serial No. 384,426; published Jan. 5, 1937. Class 34.

McKenna, H., Incorporated, Fairfield, Ky. Whiskey. 344,114; Mar. 16; Serial No. 359,806; published July 23, 1935. Class 49.

Meeter's, Inc., Lansing, Ill. Sauer kraut. 344,338; Mar. 16. Class 46.

Michel, Maksik & Feldman, Inc., New York, N. Y. Ladies' handbags. 344,180; Mar. 16; Serial No. 384,093; published Jan. 5, 1937. Class 3.

Midway Chemical Co., Chicago, Ill. Chemical products. 344,126; Mar. 16; Serial No. 373,883; published Jan. 5, 1937. Class 6.

Milwaukee Metal Spinning Co. (See Salow, Klementine.)

Missouri Mill & Elevator Co. (See Washburn Crosby Company.)

Monarch Manufacturing Company, Atlanta, Ga. Ginger ale and sirup and extract for making the same, etc. 344,321; Mar. 16; Serial No. 385,486; published Jan. 5, 1937. Class 45.

Monarch Manufacturing Company, Atlanta, Ga. Cola beverage and sirup and extract for making the same, etc. 344,322; Mar .16; Serial No. 385,487; published Jan. 5, 1937. Class 45.

Montgomery Ward & Co., Incorporated, Chicago, Ill. Electric light and power plants and parts thereof. 344,205; Mar. 16; Serial No. 384,428; published Jan. 5, 1937. Class 21.

Morrow, William, & Company, Inc., New York, N. Y. Series of books published from time to time. 344,280; Mar. 16; Serial No. 383,270; published Jan. 5, 1937. Class 38.

Mortimer, Frank H., trustee in bankruptcy for Standard Brewing Company, Inc., New Orleans, La. Beer. 344,301; Mar. 16; Serial No. 385,230; published Jan. 5, 1937. Class 48.

Mountain Crest Creameries Corp., New York, N. Y. Butter. 344,210; Mar. 16; Serial No. 384,548; published Jan. 5, 1937. Class 46.

National Biscuit Company. (See Pacific Coast Biscuit Company, assignor.)

National Biscuit Company, Jersey City, N. J., and New York, N. Y., to National Biscuit Company, New York, N. Y. Biscuit. 116,347; renewed Apr. 24, 1937.

National Milling and Chemical Co., Philadelphia, Pa., to National Milling & Chemical Co., Inc., Manayunk, Philadelphia, Pa. Bleaching and water-softening compound. 115,786; renewed Mar. 6, 1937.

National Milling & Chemical Company, Philadelphia, Pa. Laundry compound comprising soap and alkalies. 344,246; Mar. 16; Serial No. 384,903; published Jan. 5, 1937. Class 4.

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Ohio Grease Co., The, Loudonville, Ohio. Lubricating oils and greases. 344,160; Mar. 16; Serial No. 380,298; published Sept. 1, 1936. Class 15.

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Piru Citrus Association, Piru, Calif. Oranges. 344,344; Mar. 16. Class 46.

Pokadot Chemical Company. (See Dietrich, William S.)

Popular Mechanics Company, Chicago, Ill. Periodical. 344,260; Mar. 16; Serial No. 385,062; published Jan. 5, 1937. Class 38.

Power, George C., doing business as Geo. C. Power Lemon Ranch, San Buenaventura, Calif. Fresh citrus fruits. 344,350; Mar. 16. Class 46.

Pratt Corporation, Coldwater, Mich. Coasting sleds. 344,161; Mar. 16; Serial No. 380,843; published Jan. 5, 1937. Class 22.

Radiad Service. (See Foertsch, Edward L.)

Randall, Edwin A., Atlanta, Ga. Beverages and syrups, extracts, and flavors used in making the same. 344,196; Mar. 16; Serial No. 384,298; published Jan. 5, 1937. Class 45.

Rentor Manufacturing Co. (See Rotner, Irving.)

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Rotner, Irving, doing business as Rentor Manufacturing Co., New York, N. Y. Sanitary headrest covers for dental chairs. 344,172; Mar. 16; Serial No. 382,890; published Jan. 5, 1937. Class 44.

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Santa Ana Packing Co. (See Treesweet Products Co.)

Sears, Roebuck and Co., Chicago, Ill. Motor lubricating oil and grease. 344,296; Mar. 16; Serial No. 383,899; published Dec. 15, 1936. Class 15.

Sessions Company, Inc., Enterprise, Ala. Cane syrup. 344,288; Mar. 16; Serial No. 383,490; published Jan. 5, 1937. Class 46.

Shell Petroleum Corporation, St. Louis, Mo. Naphtha. 344,213–4; Mar. 16; Serial Nos. 384,566–7; published Jan. 5, 1937. Class 15.

Sherman, Sol, New York, N. Y. Ties. 344,224; Mar. 16; Serial No. 384,676; published Dec. 29, 1936. Class 39.

Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream, shaving powder, etc. 344,285; Mar. 16; Serial No. 383,451; published Dec. 29, 1936. Class 4.

Siboney Distilling Corporation, Philadelphia, Pa. Rum. 344,317; Mar. 16; Serial No. 385,428; published Jan. 5, 1937. Class 49.

Siebel Publishing Company, Chicago, Ill. Periodical. 344,247; Mar. 16; Serial No. 384,908; published Dec. 29, 1936. Class 38.

Simplex Paper Corporation, Adrian, Mich. Fiber boards. 344,274; Mar. 16; Serial No. 385,155; published Jan. 5, 1937. Class 12.

Smith Oil & Refining Company, Rockford, Ill. Oils and greases. 344,185; Mar. 16; Serial No. 384,141; published Jan. 5, 1937. Class 15.

Smith Separator Corporation, Tulsa, Okla. Transferring and measuring apparatus. 344,286; Mar. 16; Serial No. 383,452; published Jan. 5, 1937. Class 26.

Specialty Guild, The, Convent, N. J. Powdered composition to prevent rugs from sliding. 344,308; Mar. 16; Serial No. 385,268; published Jan. 5, 1937. Class 5.

Springdale Distilling Company. (See Berson Joseph A.)

Stamper, F. M., Company, Mobberly, Mo. Eggs, butter, and poultry and stock feeds. 344,148; Mar. 16; Serial No. 378,530; published Jan. 5, 1937. Class 46.

Standard Brewing Company, Inc. (See Mortimer, Frank H.)

Standard Novelty Works, Duncannon, Pa. Coaster sleds. 344,254; Mar. 16; Serial No. 385,011; published Jan. 5, 1937. Class 22.

Stanley, John T., Co. Inc., New York, N. Y. Soap. 344,171; Mar. 16; Serial No. 382,576; published Nov. 3, 1936. Class 4.

Stearns, Frederick, & Company, Detroit, Mich. Preparation for the chillproofing of beer or ale. 344,311; Mar. 16; Serial No. 385,311; published Jan. 5, 1937. Class 48.

Storz, Robert H., Omaha, Nebr., and Turin, Iowa. Dressed turkeys. 344,281; Mar. 16; Serial No. 383,275; published Dec. 29, 1936. Class 46.

Street & Smith Publications, Inc., New York, N. Y. Periodical. 344,248; Mar. 16; Serial No. 384,909; published Jan. 5, 1937. Class 38.

Street & Smith Publications, Inc., New York, N. Y. Periodical. 344,269; Mar. 16; Serial No. 385,125; published Jan. 5, 1937. Class 38.

Street & Smith Publications, Inc., New York, N. Y. Periodical. 344,327; Mar. 16; Serial No. 385,548; published Jan. 5, 1937. Class 38.

Sudro, William F., doing business as Western Products Co., Fargo, N. Dak. Silver polish. 344,236; Mar. 16; Serial No. 384,823; published Dec. 29, 1936. Class 4.

Sun Harbor Packing Corp., San Diego, Calif. Canned tuna. 344,278; Mar. 16; Serial No. 383,185; published Dec. 29, 1936. Class 46.

Sun Oil Company, Philadelphia, Pa. Lubricating oils and lubricating greases. 344,149; Mar. 16; Serial No. 378,531; published Dec. 29, 1936. Class 15.

Sun Tube Corporation, The, Illiliside, N. J. Collapsible metal containers. 344,151; Mar. 16; Serial No. 378,764; published Jan. 5, 1937. Class 2.

Sunset Oil Company, Los Angeles, Calif. Section in a monthly trade publication. 344,232; Mar. 16; Serial No. 384,768; published Dec. 29, 1936. Class 38.

Sunset Oil Company, Los Angeles, Calif. Gasoline. 344,251; Mar. 16; Serial No. 384,983; published Jan. 5, 1937. Class 15.

Superior Products, Inc., Chicago, Ill. Sales promotion punchboard. 344,178; Mar. 16; Serial No. 384,017; published Jan. 5, 1937. Class 22.

Sweeper-Vac Company, The, Worcester, Mass. Vacuum cleaners. 344,138; Mar. 16; Serial No. 377,033; published June 2, 1936. Class 23.

Tedone, Giuseppe, West New York, N. J. Cream cheese. 344,295; Mar. 16; Serial No. 383,861; published Dec. 29, 1936. Class 46.

Tele-Radio Corporation, Newark, N. J. (Rectifier) battery charger bulbs. 344,174; Mar. 16; Serial No. 383,039; published Jan. 5, 1937. Class 21.

Texas Company, The, New York, N. Y. Lubricating greases. 344,187; Mar. 16; Serial No. 384,168; published Dec. 29, 1936. Class 15.

Therapy, Ltd., Pasadena, Calif. Condensed pure culture of bacillus acidophilus in soy bean milk. 344,262; Mar. 16; Serial No. 385,074; published Jan. 5, 1937. Class 6.

Thew Shovel Company, The, Lorain, Ohio. Power cranes and shovels. 344,339; Mar. 16, 1937. Class 23.

Thrift Service Stations, Inc., Kingston, Pa. Gasoline, motor lubricating oils and lubricating greases. 344,237; Mar. 16; Serial No. 384,824; published Jan. 5, 1937. Class 15.

Tongue, R. E., & Bros. Co., assignor to R. E. Tongue Bros. Co. Inc., Philadelphia, Pa. Fruit-jar rings. 117,271; renewed June 26, 1937.

Toy Tinkers, Inc., The, Evanston, Ill. Colored silica sand. 344,333; Mar. 16; Serial No. 385,866; published Jan. 5, 1937. Class 22.

Trabert & Hoeffer Inc., New York, N. Y. Diamonds and precious stones. 344,186; Mar. 16; Serial No. 384,145; published Dec. 29, 1936. Class 28.

Trabert & Hoeffer Inc., New York, N. Y. Diamonds and precious stones. 344,279; Mar. 16; Serial No. 383,240; published Dec. 29, 1936. Class 28.

Traer, Will M., Jacksonville, Fla. Periodical publication. 344,168; Mar. 16; Serial No. 382,365; published Jan. 5, 1937. Class 38.

Treesweet Products Co., doing business as Santa Ana Packing Co., Santa Ana, Calif. Orange base and diluted lemon juice for beverage purposes. 344,217; Mar. 16; Serial No. 384,604; published Jan. 5, 1937. Class 45.

Tremco Manufacturing Company, The, Cleveland, Ohio. Paint enamels. 344,275; Mar. 16; Serial No. 385,161; published Jan. 5, 1937. Class 16.

Tryon, Edw. K., Company, Philadelphia, Pa. Fishing rods. 344,197; Mar. 16; Serial No. 384,305; published Jan. 5, 1937. Class 22.

Typograph Gesellschaft mit beschränkter Haftung, Berlin, Germany. Matrix setting and line casting machines and parts or accessories therefor. 344,128; Mar. 16; Serial No. 373,937; published Jan. 5, 1937. Class 23.

Ullman, Henry K., Washington, D. C. Puzzles for publication. 344,249; Mar. 16; Serial No. 384,911; published Dec. 29, 1936. Class 38.

Union Oil Company of California, Los Angeles, Calif. Automobile polish. 344,115; Mar. 16; Serial No. 365,398; published Jan. 5, 1937. Class 16.

United Feature Syndicate, Inc., New York, N. Y. Section or column appearing in a newspaper or periodical. 344,302; Mar. 16; Serial No. 385,240; published Dec. 29, 1936. Class 38.

United Refining Company, Warren, Pa. Gasoline, lubricating oils, and lubricating greases. 344,143; Mar. 16; Serial No. 377,811; published Dec. 29, 1936. Class 15.

United States Gypsum Company, Chicago, Ill. Asphalt roofing. 344,255; Mar. 16; Serial No. 385,014; published Jan. 5, 1937. Class 12.

United States Gypsum Company, Chicago, Ill. Asphalt roof cement, asphalt roof coating, and asbestos fiber coating. 344,256; Mar. 16; Serial No. 385,017; published Jan. 5, 1937. Class 12.

Vanadium Corporation of America, Bridgeville, Pa. Alloys. 344,309; Mar. 16; Serial No. 385,271; published Jan. 5, 1937. Class 14.

Vapo Products Company, Inc., Spokane, Wash. Preparation for cleaning gloves and fine fabrics. 344,188; Mar. 16; Serial No. 384,171; published Dec. 29, 1936. Class 4.

Victor Manufacturing & Gasket Co., Chicago, Ill. Coating for gaskets. 344,164; Mar. 16; Serial No. 381,592; published Jan. 5, 1937. Class 35.

Vietmeyer Bros. Co., Jersey City, N. J. Bread. 344,181; Mar. 16; Serial No. 384,104; published Jan. 5, 1937. Class 46.

Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Maltless soft drinks. 344,268; Mar. 16; Serial No. 385,116; published Jan. 5, 1937. Class 45.

Waldes & Co., Prague-Wrschowitz, Austria-Hungary, assignor, by mesne assignments to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap buttons. 117,385; renewed July 3, 1937.

Waldes & Co., Prague-Wrschowitz, Austria-Hungary, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Fancy goods, furnishings and notions. 117,386; renewed July 3, 1937.

Washburn Crosby Company, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Flour. 344,156–7; Mar. 16; Serial Nos. 379,934–5; published Jan. 5, 1937. Class 46.

Washington Gazette Corporation, The, Washington, D. C. Magazine. 344,165; Mar. 16; Serial No. 381,595; published Dec. 29, 1936. Class 38.

West Coast Kalsomine Company, West Berkeley, Calif. Casein paint paste and casein paint powder. 344,332; Mar. 16; Serial No. 385,815; published Jan. 5, 1937. Class 16.

Western Products Co. (See Sudro, William F.)

White, H. Kirk, & Co., Oconomowoc, Wis. Glass cleaner. 344,199; Mar. 16; Serial No. 384,349; published Dec. 29, 1936. Class 4.

Wilbur & Williams Company, The, Boston, Mass. Oil paste paint. 344,282; Mar. 16; Serial No. 383,279; published Jan. 5, 1937. Class 16.

Williams, E. H., New York, N. Y. Liquid preparation for coughs and etc. 344,218; Mar. 16; Serial No. 384,638; published Jan. 5, 1937. Class 6.

Williams, Irving, doing business as Irving Williams Co., Salinas, Calif. Fresh vegetables. 344,190; Mar. 16; Serial No. 384,278; published Jan. 5, 1937. Class 46.

Wimpy Grills, Inc., Chicago, Ill. Sandwiches. 344,153; Mar. 16; Serial No. 379,326; published Jan. 5, 1936. Class 46.

Wolff, Henry, Company, San Francisco, Calif. Radio receiving sets and parts thereof. 344,191; Mar. 16; Serial No. 384,279; published Jan. 5, 1937. Class 21.

Ziff-Davis Publishing Company, Chicago, Ill. Periodical publications. 344,239; Mar. 16; Serial No. 384,833; published Jan. 5, 1937. Class 38.

LIST OF REGISTRANTS OF LABELS

Calavo Growers of California, Los Angeles, Calif. Calavo. For Avocados. 49,075; Mar. 16.

International Latex Corporation, Rochester, N. Y. Kaptain Kid's Treasure Chest. For Latex or Rubber Articles Namely Aprons or Bibs and Pants for Babies. 49,076; Mar. 16.

Plymouth Packing Company, Inc., Plymouth, Wis. Kernel Kist Corn. For Canned Golden Bantam Corn. 49,077; Mar. 16.

LIST OF REGISTRANTS OF PRINTS

Holloway, Inc., Duluth, Minn. Holloway's RX. For a Preparation for the Feet. 16,111; Mar. 16.

Manufacturers News Bureau, Inc., Washington, D. C. Weekly news letter for manufacturers. 344,259; Mar. 16; Serial No. 385,051; published Jan. 5, 1937. Class 38.

Marder, B. L., Co., Chicago, Ill. Metal taps for tap dancing shoes. 344,271; Mar. 16; Serial No. 385,148; published Jan. 5, 1937. Class 13.

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Sears, Roebuck and Co., Chicago, Ill. Motor lubricating oil and grease. 344,296; Mar. 16; Serial No. 383,899; published Dec. 15, 1936. Class 15.

Sessions Company, Inc., Enterprise, Ala. Cane syrup. 344,288; Mar. 16; Serial No. 383,490; published Jan. 5, 1937. Class 46.

Shell Petroleum Corporation, St. Louis, Mo. Naphtha. 344,213–4; Mar. 16; Serial Nos. 384,566–7; published Jan. 5, 1937. Class 15.

Sherman, Sol, New York, N. Y. Ties. 344,224; Mar. 16; Serial No. 384,676; published Dec. 29, 1936. Class 39.

Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream, shaving powder, etc. 344,285; Mar. 16; Serial No. 383,451; published Dec. 29, 1936. Class 4.

Siboney Distilling Corporation, Philadelphia, Pa. Rum. 344,317; Mar. 16; Serial No. 385,428; published Jan. 5, 1937. Class 49.

Siebel Publishing Company, Chicago, Ill. Periodical. 344,247; Mar. 16; Serial No. 384,908; published Dec. 29, 1936. Class 38.

Simplex Paper Corporation, Adrian, Mich. Fiber boards. 344,274; Mar. 16; Serial No. 385,155; published Jan. 5, 1937. Class 12.

Smith Oil & Refining Company, Rockford, Ill. Oils and greases. 344,185; Mar. 16; Serial No. 384,141; published Jan. 5, 1937. Class 15.

Smith Separator Corporation, Tulsa, Okla. Transferring and measuring apparatus. 344,286; Mar. 16; Serial No. 383,452; published Jan. 5, 1937. Class 26.

Specialty Guild, The, Convent, N. J. Powdered composition to prevent rugs from sliding. 344,308; Mar. 16; Serial No. 385,268; published Jan. 5, 1937. Class 5.

Springdale Distilling Company. (See Berson Joseph A.)

Stamper, F. M., Company, Moberly, Mo. Eggs, butter, and poultry and stock feeds. 344,148; Mar. 16; Serial No. 378,530; published Jan. 5, 1937. Class 46.

Standard Brewing Company, Inc. (See Mortimer, Frank H.)

Standard Novelty Works, Duncannon, Pa. Coaster sleds. 344,254; Mar. 16; Serial No. 385,011; published Jan. 5, 1937. Class 22.

Stanley, John T., Co. Inc., New York, N. Y. Soap. 344,171; Mar. 16; Serial No. 382,576; published Nov. 3, 1936. Class 4.

Stearns, Frederick, & Company, Detroit, Mich. Preparation for the chillproofing of beer or ale. 344,311; Mar. 16; Serial No. 385,311; published Jan. 5, 1937. Class 48.

Storz, Robert H., Omaha, Nebr., and Tnrin, Iowa. Dressed turkeys. 344,281; Mar. 16; Serial No. 383,275; published Dec. 29, 1936. Class 46.

Street & Smith Publications, Inc., New York, N. Y. Periodical. 344,269; Mar. 16; Serial No. 385,125; published Jan. 5, 1937. Class 38.

Street & Smith Publications, Inc., New York, N. Y. Periodical. 344,327; Mar. 16; Serial No. 385,548; published Jan. 5, 1937. Class 38.

Sudro, William F., doing business as Western Products Co., Fargo, N. Dak. Silver polish. 344,236; Mar. 16; Serial No. 384,823; published Dec. 29, 1936. Class 4.

Sun Harbor Packing Corp., San Diego, Calif. Canned tuna. 344,278; Mar. 16; Serial No. 383,185; published Dec. 29, 1936. Class 46.

Sun Oil Company, Philadelphia, Pa. Lubricating oils and lubricating greases. 344,149; Mar. 16; Serial No. 378,531; published Dec. 29, 1936. Class 15.

Sun Tube Corporation, The, Hillside, N. J. Collapsible metal containers. 344,151; Mar. 16; Serial No. 378,764; published Jan. 5, 1937. Class 2.

Sunset Oil Company, Los Angeles, Calif. Section in a monthly trade publication. 344,232; Mar. 16; Serial No. 384,768; published Dec. 29, 1936. Class 38.

Sunset Oil Company, Los Angeles, Calif. Gasoline. 344,251; Mar. 16; Serial No. 384,983; published Jan. 5, 1937. Class 15.

Superior Products, Inc., Chicago, Ill. Sales promotion punchboard. 344,178; Mar. 16; Serial No. 384,017; published Jan. 5, 1937. Class 22.

Sweeper-Vac Company, The, Worcester, Mass. Vacuum cleaners. 344,138; Mar. 16; Serial No. 377,033; published June 2, 1936. Class 23.

Tedone, Giuseppe, West New York, N. J. Cream cheese. 344,295; Mar. 16; Serial No. 383,861; published Dec. 29, 1936. Class 46.

Tele-Radio Corporation, Newark, N. J. (Rectifier) battery charger bulbs. 344,174; Mar. 16; Serial No. 383,039; published Jan. 5, 1937. Class 21.

Texas Company, The, New York, N. Y. Lubricating greases. 344,187; Mar. 16; Serial No. 384,168; published Dec. 29, 1936. Class 15.

Therapy, Ltd., Pasadena, Calif. Condensed pure culture of bacillus acidophilus in soy bean milk. 344,262; Mar. 16; Serial No. 385,074; published Jan. 5, 1937. Class 6.

Thew Shovel Company, The, Lorain, Ohio. Power cranes and shovels. 344,339; Mar. 16, 1937. Class 23.

Thrift Service Stations, Inc., Kingston, Pa. Gasoline, motor lubricating oils and lubricating greases. 344,237; Mar. 16; Serial No. 384,824; published Jan. 5, 1937. Class 15.

Tongue, R. E., & Bros. Co., assignor to R. E. Tongue Bros. Co. Inc., Philadelphia, Pa. Fruit-jar rings. 117,271; renewed June 26, 1937.

Toy Tinkers, Inc., The, Evanston, Ill. Colored silica sand. 344,333; Mar. 16; Serial No. 385,866; published Jan. 5, 1937. Class 22.

Trabert & Hoeffer Inc., New York, N. Y. Diamonds and precious stones. 344,186; Mar. 16; Serial No. 384,145; published Dec. 29, 1936. Class 28.

Trabert & Hoeffer Inc., New York, N. Y. Diamonds and precious stones. 344,279; Mar. 16; Serial No. 383,240; published Dec. 29, 1936. Class 28.

Traer, Will M., Jacksonville, Fla. Periodical publication. 344,168; Mar. 16; Serial No. 382,365; published Jan. 5, 1937. Class 38.

Treesweet Products Co., doing business as Santa Ana Packing Co., Santa Ana, Calif. Orange base and diluted lemon juice for beverage purposes. 344,217; Mar. 16; Serial No. 384,604; published Jan. 5, 1937. Class 45.

Tremco Manufacturing Company, The, Cleveland, Ohio. Paint enamels. 344,275; Mar. 16; Serial No. 385,161; published Jan. 5, 1937. Class 16.

Tryon, Edw. K., Company, Philadelphia, Pa. Fishing rods. 344,197; Mar. 16; Serial No. 384,305; published Jan. 5, 1937. Class 22.

Typograph Gesellschaft mit beschränkter Haftung, Berlin, Germany. Matrix setting and line casting machines and parts or accessories therefor. 344,128; Mar. 16; Serial No. 373,937; published Jan. 5, 1937. Class 23.

Ullman, Henry K., Washington, D. C. Puzzles for publication. 344,249; Mar. 16; Serial No. 384,911; published Dec. 29, 1936. Class 38.

Union Oil Company of California, Los Angeles, Calif. Automobile polish. 344,115; Mar. 16; Serial No. 365,398; published Jan. 5, 1937. Class 16.

United Feature Syndicate, Inc., New York, N. Y. Section or column appearing in a newspaper or periodical. 344,302; Mar. 16; Serial No. 385,240; published Dec. 29, 1936. Class 38.

United Refining Company, Warren, Pa. Gasoline, lubricating oils, and lubricating greases. 344,143; Mar. 16; Serial No. 377,811; published Dec. 29, 1936. Class 15.

United States Gypsum Company, Chicago, Ill. Asphalt roofing. 344,255; Mar. 16; Serial No. 385,014; published Jan. 5, 1937. Class 12.

United States Gypsum Company, Chicago, Ill. Asphalt roof cement, asphalt roof coating, and asbestos fiber coating. 344,256; Mar. 16; Serial No. 385,017; published Jan. 5, 1937. Class 12.

Vanadium Corporation of America, Bridgeville, Pa. Alloys. 344,309; Mar. 16; Serial No. 385,271; published Jan. 5, 1937. Class 14.

Vapo Products Company, Inc., Spokane, Wash. Preparation for cleaning gloves and fine fabrics. 344,188; Mar. 16; Serial No. 384,171; published Dec. 29, 1936. Class 4.

Victor Manufacturing & Gasket Co., Chicago, Ill. Coating for gaskets. 344,164; Mar. 16; Serial No. 381,592; published Jan. 5, 1937. Class 35.

Vietmeyer Bros. Co., Jersey City, N. J. Bread. 344,181; Mar. 16; Serial No. 384,104; published Jan. 5, 1937. Class 46.

Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Maltless soft drinks. 344,268; Mar. 16; Serial No. 385,116; published Jan. 5, 1937. Class 45.

Waldes & Co., Prague-Wrschowitz, Austria-Hungary, assignor, by mesne assignments to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap buttons. 117,385; renewed July 3, 1937.

Waldes & Co., Prague-Wrschowitz, Austria-Hungary, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Fancy goods, furnishings and notions. 117,386; renewed July 3, 1937.

Washburn Crosby Company, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Flour. 344,156–7; Mar. 16; Serial Nos. 379,934–5; published Jan. 5, 1937. Class 46.

Washington Gazette Corporation, The, Washington, D. C. Magazine. 344,165; Mar. 16; Serial No. 381,595; published Dec. 29, 1936. Class 38.

West Coast Kalsomine Company, West Berkeley, Calif. Casein paint paste and casein paint powder. 344,332; Mar. 16; Serial No. 385,815; published Jan. 5, 1937. Class 16.

Western Products Co. (See Sudro, William F.)

White, H. Kirk, & Co., Oconomowoc, Wis. Glass cleaner. 344,199; Mar. 16; Serial No. 384,349; published Dec. 29, 1936. Class 4.

Wilbur & Williams Company, The, Boston, Mass. Oil paste paint. 344,282; Mar. 16; Serial No. 383,279; published Jan. 5, 1937. Class 16.

Williams, E. H., New York, N. Y. Liquid preparation for coughs and etc. 344,218; Mar. 16; Serial No. 384,638; published Jan. 5, 1937. Class 6.

Williams, Irving, doing business as Irving Williams Co., Salinas, Calif. Fresh vegetables. 344,190; Mar. 16; Serial No. 384,278; published Jan. 5, 1937. Class 46.

Wimpy Grills, Inc., Chicago, Ill. Sandwiches. 344,153; Mar. 16; Serial No. 379,326; published Jan. 5, 1936. Class 46.

Wolff, Henry, Company, San Francisco, Calif. Radio receiving sets and parts thereof. 344,191; Mar. 16; Serial No. 384,279; published Jan. 5, 1937. Class 21.

Ziff-Davis Publishing Company, Chicago, Ill. Periodical publications. 344,239; Mar. 16; Serial No. 384,833; published Jan. 5, 1937. Class 38.

LIST OF REGISTRANTS OF LABELS

Calavo Growers of California, Los Angeles, Calif. Calavo. For Avocados. 49,075; Mar. 16.

International Latex Corporation, Rochester, N. Y. Kaptain Kid's Treasure Chest. For Latex or Rubber Articles Namely Aprons or Bibs and Pants for Babies. 49,076; Mar. 16.

Plymouth Packing Company, Inc., Plymouth, Wis. Kernel Kist Corn. For Canned Golden Bantam Corn. 49,077; Mar. 16.

LIST OF REGISTRANTS OF PRINTS

Holloway, Inc., Duluth, Minn. Holloway's RX. For a Preparation for the Feet. 16,111; Mar. 16.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Bowls, dishes, jars, etc., Ornamental. Kensington, Incorporated. 344,337; Mar. 16.
Container, Collapsible metal. Sun Tube Corporation. 344,151; Mar. 16; Serial No. 378,764; published Jan. 5, 1937.

CLASS 3

Handbags, Ladies'. Michel, Maksik & Feldman, Inc. 344,180; Mar. 16; Serial No. 384,093; published Jan. 5, 1937.
Horse-collars, harness, and parts thereof. A. D. Goetz Company. 112,365; renewed Sept. 5, 1936.

CLASS 4

Cleaner and a preparation for removing ink from the hands, Type. Cornell-Davis Laboratories. 344,146; Mar. 16; Serial No. 378,289; published Dec. 29, 1936.
Cleaner, Glass. H. Kirk White & Co. 344,199; Mar. 16; Serial No. 384,349; published Dec. 29, 1936.
Cleaner, Liquid glass. M. J. Bliss. 344,234; Mar. 16; Serial No. 384,783; published Dec. 29, 1936.
Compound comprising soap and alkalies, Laundry. National Milling & Chemical Company. 344,246; Mar. 16; Serial No. 384,903; published Jan. 5, 1937.
Cream, Shaving. Karol Preparations, Inc. 344,137; Mar. 16; Serial No. 376,806; published June 30, 1936.
Dressings, cleaners, and polishes for leather, etc., Oil. P. David. 344,142; Mar. 16; Serial No. 377,672; published Dec. 29, 1936.
Paste-like preparation for shaving. Barbasol Company. 344,122; Mar. 16; Serial No. 371,620; published Jan. 14, 1936.
Polish, Silver. Hallmark Company Inc. 344,230; Mar. 16; Serial No. 384,727; published Dec. 29, 1936.
Polish, Silver. W. F. Sudro. 344,236; Mar. 16; Serial No. 384,823; published Dec. 29, 1936.
Polishing-cloths. Crew Levick Company. 115,357; renewed Feb. 6, 1937.
Polishing wheels. Advance Polishing Wheels, Inc. 344,175; Mar. 16; Serial No. 383,046; published Jan. 5, 1937.
Preparation for cleaning gloves and fine fabrics. Vapo Products Company. 344,188; Mar. 16; Serial No. 384,171; published Dec. 29, 1936.
Saponaceous compounds, shaving cream, shaving powder, etc. Shulton, Inc. 344,285; Mar. 16; Serial No. 383,451; published Dec. 29, 1936.
Saponaceous material. B & L Laboratories, Inc. 344,294; Mar. 16; Serial No. 383,798; published Dec. 29, 1936.
Soap. John T. Stanley Co. Inc. 344,171; Mar. 16; Serial No. 382,576; published Nov. 3, 1936.
Soap, Toilet. Los Angeles Soap Co. 344,258; Mar. 16; Serial No. 385,047; published Jan. 5, 1937.

CLASS 5

Adhesive cement substances. Jenco Brothers, Inc. 344,266; Mar. 16; Serial No. 385,101; published Jan. 5, 1937.
Adhesives and cements, Waterproof. C. L. Gane. 344,292; Mar. 16; Serial No. 383,619; published Jan. 5, 1937.
Composition to prevent rugs from sliding, Powdered. Specialty Guild. 344,308; Mar. 16; Serial No. 385,268; published Jan. 5, 1937.
Paste, Wall paper wheat. Louisville Wall Paper Co. Inc. 344,270; Mar. 16; Serial No. 385,145; published Jan. 5, 1937.

CLASS 6

Bleaching and water-softening compound. National Milling and Chemical Co. 115,786; renewed Mar. 6, 1937.
Chemical products. Midway Chemical Co. 344,126; Mar. 16; Serial No. 373,883; published Jan. 5, 1937.
Composition used in spraying plants, etc. H. A. Caldwell. 344,144; Mar. 16; Serial No. 377,872; published Jan. 5, 1937.
Culture of bacillus acidophilus in soy bean milk, Condensed pure. Therapy, Ltd. 344,262; Mar. 16; Serial No. 385,074; published Jan. 5, 1937.
Gum, Chewing. R. A. Garfield. 344,336; Mar. 16; Serial No. 384,526; published Dec. 22, 1936.
Medical preparation for treating sinus affections, etc. E. M. F. Ivey. 344,222; Mar. 16; Serial No. 384,662; published Jan. 5, 1937.
Medicinal preparation for eczema, etc. F. Kirkland. 344,120; Mar. 16; Serial No. 371,267; published Jan. 5, 1937.
Preparation for coughs, etc., Liquid. E. H. Williams. 344,218; Mar. 16; Serial No. 384,638; published Jan. 5, 1937.
Preparation for the relief of impetigo, etc. B & M Associate Chemists. 344,303; Mar. 16; Serial No. 385,246; published Jan. 5, 1937.
Preparation for the treatment of piles. Foley and Company. 344,306; Mar. 16; Serial No. 385,257; published Jan. 5, 1937.
Salt, Bluing. Austin, Nichols & Co. 116,874; renewed June 5, 1937.

CLASS 11

Carbon papers. Manifold Supplies Company. 344,307; Mar. 16; Serial No. 385,264; published Jan. 5, 1937.
Typewriter and other inked ribbons. H. S. Blumenthal. 344,179; Mar. 16; Serial No. 384,025; published Jan. 5, 1937.

CLASS 12

Asbestos boards, asbestos sheets, asbestos lumber, etc. Keasbey & Mattison Company. 344,320; Mar. 16; Serial No. 385,483; published Jan. 5, 1937.
Caulking compound. Battenfeld Grease & Oil Corp. 344,132; Mar. 16; Serial No. 374,957; published Aug. 18, 1936.
Compound for spachtling. Atlantic Calsomine Co. 344,119; Mar. 16; Serial No. 371,131; published Jan. 5, 1937.
Doors, Special. Roach & Musser Company. 344,229; Mar. 16; Serial No. 384,722; published Dec. 29, 1936.
Fiber boards. Simplex Paper Corporation. 344,274; Mar. 16; Serial No. 385,155; published Jan. 5, 1937.
Panel, Lightweight structural. Johns-Manville Corporation. 344,203; Mar. 16; Serial No. 384,423; published Jan. 5, 1937.
Roof cement, asphalt roof coating, and asbestos fiber coating, Asphalt. United States Gypsum Company. 344,256; Mar. 16; Serial No. 385,017; published Jan. 5, 1937.
Roofing, Asphalt. United States Gypsum Company. 344,255; Mar. 16; Serial No. 385,014; published Jan. 5, 1937.
Sheets and rigid panels for inorganic heat insulating material, Flexible. Norristown Magnesia & Asbestos Company. 344,283; Mar. 16; Serial No. 383,323; published Dec. 1, 1936.
Tiles, Floor. David E. Kennedy, Inc. 344,245; Mar. 16; Serial No. 384,900; published Dec. 29, 1936.

CLASS 13

Curtains, Shower. I. B. Kleinert Rubber Company. 344,291; Mar. 16; Serial No. 383,538; published Jan. 5, 1937.
Fence, coated barbed wire, Coated wire. Bethlehem Steel Company. 344,290; Mar. 16; Serial No. 383,516; published Jan. 5, 1937.
Percolator covers, Spun metal coffee. B. Salow. 344,118; Mar. 16; Serial No. 371,080; published Jan. 5, 1937.
Taps for tap dancing shoes, Metal. B. L. Marder Co. 344,271; Mar. 16; Serial No. 385,146; published Jan. 5, 1937.
Taps for tap dancing shoes, Metal. B. L. Marder Co. 344,298; Mar. 16; Serial No. 385,191; published Jan. 5, 1937.
Wire screen cloth. New York Wire Cloth Company. 344,223; Mar. 16; Serial No. 384,667; published Jan. 5, 1937.

CLASS 14

Alloys. Vanadium Corporation of America. 344,309; Mar. 16; Serial No. 385,271; published Jan. 5, 1937.
Copper ingots. Lewisohn Brothers. 13,976; re-renewed Jan. 11, 1937.
Steel, Free machining Bessemer. W. J. Holliday & Co. 344,347; Mar. 16.

CLASS 15

Gasoline. Sunset Oil Company. 344,251; Mar. 16; Serial No. 384,983; published Jan. 5, 1937.
Gasoline and motor lubricating oils. Derby Oil Company. 344,215; Mar. 16; Serial No. 384,582; published Dec. 29, 1936.
Gasoline, lubricating oils, and lubricating greases. United Refining Company. 344,143; Mar. 16; Serial No. 377,811; published Dec. 29, 1936.
Gasoline, motor lubricating oils, and lubricating greases. Thrift Service Stations, Inc. 344,237; Mar. 16; Serial No. 384,824; published Jan. 5, 1937.
Greases, Lubricating. Texas Company. 344,187; Mar. 16; Serial No. 384,168; published Dec. 29, 1936.
Naphtha. Shell Petroleum Corporation. 344,213–4; Mar. 16; Serial Nos. 384,566–7; published Jan. 5, 1937.
Oil and grease, Motor lubricating. Sears, Roebuck and Co. 344,296; Mar. 16; Serial No. 383,899; published Dec. 15, 1936.
Oils and greases. Smith Oil & Refining Company. 344,185; Mar. 16; Serial No. 384,141; published Jan. 5, 1937.
Oils and greases, Lubricating. Industrial Oil Corporation. 344,244; Mar. 16; Serial No. 384,897; published Dec. 29, 1936.
Oils and greases, Lubricating. Ohio Grease Co. 344,160; Mar. 16; Serial No. 380,298; published Sept. 1, 1936.
Oils and lubricating greases, Lubricating. Sun Oil Company. 344,149; Mar. 16; Serial No. 378,531; published Dec. 29, 1936.

CLASS 16

Coloring material for paints. Bennett Glass & Paint Company. 344,220; Mar. 16; Serial No. 384,645; published Jan. 5, 1937.

Lacquers. Glidden Company. 344,297; Mar. 16; Serial No. 385,185; published Jan. 5, 1937.
Paint enamels. Tremco Manufacturing Company. 344,275; Mar. 16; Serial No. 385,161; published Jan. 5, 1937.
Paint, Oil paste. Wilbur & Williams Company. 344,282; Mar. 16; Serial No. 383,279; published Jan. 5, 1937.
Paint paste and casein paint powder, Casein. West Coast Kalsomine Company. 344,332; Mar. 16; Serial No. 385,815; published Jan. 5, 1937.
Paint, varnish stain, paint enamel, etc., Prepared. Con-Ferro Paint and Varnish Company. 344,177; Mar. 16; Serial No. 383,914; published Jan. 5, 1937.
Polish and cleaner, Furniture. W. S. Dietrich. 344,300; Mar. 16; Serial No. 385,217; published Jan. 5, 1937.
Polish, Automobile. Union Oil Company of California. 344,115; Mar. 16; Serial No. 365,398; published Jan. 5, 1937.
Polish, Liquid. S. C. Johnson & Son, Inc. 344,112; Mar. 16; Serial No. 326,862; published Nov. 20, 1934.
Varnish. Franklin Research Company. 344,334; Mar. 16; Serial No. 385,927; published Jan. 5, 1937.

CLASS 17

Cigars, cigarettes, smoking tobacco, etc. Brown & Williamson Tobacco Corporation. 344,348; Mar. 16.

CLASS 19

Carriages, Baby. B. Altman & Co. 344,231; Mar. 16; Serial No. 384,732; published Jan. 5, 1937.

CLASS 21

Electric fans and rheostats and generator regulators. Casco Products Corporation. 344,252; Mar. 16; Serial No. 384,991; published Jan. 5, 1937.
Electric light and power plants and parts thereof. Montgomery Ward & Co. 344,205; Mar. 16; Serial No. 384,428; published Jan. 5, 1937.
Electrical transformers. Dongan Electric Manufacturing Company. 344,209; Mar. 16; Serial No. 384,518; published Jan. 5, 1937.
Electrical transformers. General Electric Company. 344,131; Mar. 16; Serial No. 374,325; published Jan. 5, 1937.
Electrical variable resistors and fixed resistors, radio receiving sets, electrical inductances, etc. Naxon Utilities Corporation. 344,155; Mar. 16; Serial No. 379,624; published Jan. 5, 1937.
Electrodes, Spark plug. Electro Auto-Lite Company. 344,194; Mar. 16; Serial No. 384,287; published Jan. 5, 1937.
Insulators, Spark plug. Electric Auto-Lite Company. 344,195; Mar. 16; Serial No. 384,288; published Jan. 5, 1937.
Radio receiving sets and parts thereof. Henry Wolff Company. 344,191; Mar. 6; Serial No. 384,279; published Jan. 5, 1937.
(Rectifier) battery charger bulbs. Tele-Radio Corporation. 344,174; Mar. 16; Serial No. 383,039; published Jan. 5, 1937.
Spark plugs. Electric Auto-Lite Company. 344,193; Mar. 16; Serial No. 384,286; published Jan. 5, 1937.

CLASS 22

Fishing rods. Edw. K. Tryon Company. 344,197; Mar. 16; Serial No. 384,305; published Jan. 5, 1937.
Golf balls. Frank H. Cavignac-Associates. 344,329; Mar. 16; Serial No. 385,560; published Jan. 5, 1937.
Golf balls, golf clubs, and golf bags. Frank H. Cavignac-Associates. 344,328; Mar. 16; Serial No. 385,558; published Jan. 5, 1937.
Golf game. C. G. Duganne. 344,145; Mar. 16; Serial No. 378,187; published Jan. 5, 1937.
Punchboard, Sales promotion. Superior Products, Inc. 344,178; Mar. 16; Serial No. 384,017; published Jan. 5, 1937.
Sand, Colored silica. Toy Tinkers, Inc. 344,333; Mar. 16; Serial No. 385,866; published Jan. 5, 1937.
Sleds, Coaster. Standard Novelty Works. 344,254; Mar. 16; Serial No. 385,011; published Jan. 5, 1937.
Sleds, Coasting. Pratt Corporation. 344,161; Mar. 16; Serial No. 380,843; published Jan. 5, 1937.

CLASS 23

Cranes and shovels, Power. Thew Shovel Company. 344,339; Mar. 16.
Dispensing cabinets for paper toilet articles. Kirch-Trumbull Corporation. 344,216; Mar. 16; Serial No. 384,590; published Jan. 5, 1937.
Flies. Henry Disston & Sons, Incorporated. 344,343; Mar. 16.
Matrix setting and line casting machines and parts or accessories therefor. Typograph Gesellschaft mit beschränkter Haftung. 344,128; Mar. 16; Serial No. 373,937; published Jan. 5, 1937.
Openers, Stationary bottle. Brown Manufacturing Company. 344,264; Mar. 16; Serial No. 385,085; published Jan. 5, 1937.
Pumps, valves, and hydraulic operated mechanisms and fittings, Hydraulic. Hydraulic Equipment Company. 344,141; Mar. 16; Serial No. 377,393; published Jan. 5, 1937.
Razors and razor blades. International Safety Razor Corp. 344,314; Mar. 16; Serial No. 385,409; published Jan. 5, 1937.
Screw drivers. Irwin Auger Bit Company. 344,345; Mar. 16.
Screw drivers, putty knives, scraping knives, etc. Forsberg Manufacturing Co. 344,134; Mar. 16; Serial No. 376,122; published Jan. 5, 1937.
Shields, Safety. Delta Manufacturing Company. 344,349; Mar. 16.
Stapling machines. Ace Fastener Corporation. 344,121; Mar. 16; Serial No. 371,290; published Jan. 5, 1937.
Vacuum cleaners. Sweeper-Vac Company. 344,138; Mar. 16; Serial No. 377,033; published June 2, 1936.
Vending machines. W. F. Main. 344,312; Mar. 16; Serial No. 385,362; published Jan. 5, 1937.

CLASS 26

Photographic print paper. Defender Photo Supply Company. 344,123; Mar. 16; Serial No. 371,808; published Jan. 5, 1937.
Picture projection apparatus and/or sound reproducing apparatus employing sound films, sensitive photographic films, etc., Motion. Kalle & Co. Aktiengesellschaft. 344,152; Mar. 16; Serial No. 378,999; published Jan. 5, 1937.
Thermometer to be used as a dress ornament. Calvaire Incorporated. 344,136; Mar. 16; Serial No. 376,626; published Jan. 5, 1937.
Transferring and measuring apparatus. Smith Separator Corporation. 344,286; Mar. 16; Serial No. 383,452; published Jan. 5, 1937.

CLASS 27

Clocks. William L. Gilbert Clock Corporation. 344,335; Mar. 16; Serial No. 385,980; published Jan. 5, 1937.
Watches, pocket watches, lapel watches, etc., Wrist. Louis Watch Co. Inc. 344,139; Mar. 16; Serial No. 377,055; published Jan. 5, 1937.

CLASS 28

Diamonds and precious stones. Trabert & Hoeffer Inc. 344,186; Mar. 16; Serial No. 384,145; published Dec. 29, 1936.
Diamonds and precious stones. Trabert & Hoeffer Inc. 344,279; Mar. 16; Serial No. 383,240; published Dec. 29, 1936.

CLASS 31

Clarifiers, Oil. Briggs Clarifier Company. 344,319; Mar. 16; Serial No. 385,471; published Jan. 5, 1937.

CLASS 34

Boilers, gas and oil fired storage tanks, and expansion tanks, Hot water range. American Radiator Company. 344,182; Mar. 16; Serial No. 384,110; published Jan. 5, 1937.
Burners, oil filters for oil burners, blowers for oil burners, etc., Oil. May Oil Burner Corporation. 344,204; Mar. 16; Serial No. 384,426; published Jan. 5, 1937.
Shades, Lamp. Ideal Lamp & Shade Co. Inc. 344,129; Mar. 16; Serial No. 373,957; published Apr. 21, 1936.

CLASS 35

Coating for gaskets. Victor Manufacturing & Gasket Co. 344,164; Mar. 16; Serial No. 381,592; published Jan. 5, 1937.
Jar rings, Fruit. R. E. Tongue & Bros. Co. 117,271; renewed June 26, 1937.

CLASS 38

Books from time to time, Series of. William Morrow & Company. 344,280; Mar. 16; Serial No. 383,270; published Jan. 5, 1937.
Column, section, or department of a periodical. B. E. Collyer. 344,201; Mar. 16; Serial No. 384,372; published Jan. 5, 1937.
Magazine. Washington Gazette Corporation. 344,165; Mar. 16; Serial No. 381,595; published Dec. 29, 1936.
Magazines. American Dancer Publishing Co. 344,158; Mar. 16; Serial No. 380,029; published Dec. 29, 1936.
News letter for manufacturers, Weekly. Manufacturers News Bureau, Inc. 344,259; Mar. 16; Serial No. 385,051; published Jan. 5, 1937.
Periodical. Adcraft Club of Detroit. 344,233; Mar. 16; Serial No. 384,779; published Dec. 29, 1936.
Periodical. Amalgamated Lithographers of America. 344,318; Mar. 16; Serial No. 385,468; published Jan. 5, 1937.
Periodical. Collyer's Publishing Company. 344,192; Mar. 16; Serial No. 384,284; published Jan. 5, 1937.
Periodical. Popular Mechanics Company. 344,260; Mar. 16; Serial No. 385,062; published Jan. 5, 1937.
Periodical. Siebel Publishing Company. 344,247; Mar. 16; Serial No. 384,908; published Dec. 29, 1936.
Periodical. Street & Smith Publications, Inc. 344,248; Mar. 16; Serial No. 384,909; published Jan. 5, 1937.
Periodical. Street & Smith Publications, Inc. 344,269; Mar. 16; Serial No. 385,125; published Jan. 5, 1937.
Periodical. Street & Smith Publications, Inc. 344,327; Mar. 16; Serial No. 385,548; published Jan. 5, 1937.
Prints, Photographic. Eastman Kodak Company. 344,304–5; Mar. 16; Serial Nos. 385,254–5; published Jan. 5, 1937.
Program skits, Periodical. E. L. Foertsch. 344,284; Mar. 16; Serial No. 383,429; published Dec. 29, 1936.

Publication. Eve Publishing Corporation. 344,140; Mar. 16; Serial No. 377,215; published Jan. 5, 1937.
Publication. W. M. Traer. 344,168; Mar. 16; Serial No. 382,365; published Jan. 5, 1937.
Publications, Periodical. Ziff-Davis Publishing Company. 344,239; Mar. 16; Serial No. 384,833; published Jan. 5, 1937.
Puzzles for publication. H. K. Ullman. 344,249; Mar. 16; Serial No. 384,911; published Dec. 29, 1936.
Section in a monthly trade publication. Sunset Oil Company. 344,232; Mar. 16; Serial No. 384,768; published Dec. 29, 1936.
Section or column appearing in a newspaper or periodical. United Feature Syndicate, Inc. 344,302; Mar. 16; Serial No. 385,240; published Dec. 29, 1936.

CLASS 39

Aprons and overalls. John Kaye & Son (Huddersfield) Limited. 344,315; Mar. 16; Serial No. 385,411; published Jan. 5, 1937.
Blouses, dresses, coats, etc., Ladies'. Irving Kotzen Inc. 344,135; Mar. 16; Serial No. 376,434; published Jan. 5, 1937.
Capes, Knitted. Hercules Knitting Co. 344,221; Mar. 16; Serial No. 384,658; published Jan. 5, 1937.
Corsets. Lily of France Corset Co. 115,358; renewed Feb. 6, 1937.
Dresses. Du Barry Frock, Corp. 344,240; Mar. 16; Serial No. 384,844; published Jan. 5, 1937.
Dresses. Julius Grossman-Fred Greenberg Dress Co. 344,313; Mar. 16; Serial No. 385,403; published Jan. 5, 1937.
Dresses, Ladies'. E-Z On Dresses Inc. 344,241; Mar. 16; Serial No. 384,889; published Jan. 5, 1937.
Overcoats, jackets, mackinaws, etc. Rice-Friedman Co. 344,228; Mar. 16; Serial No. 384,720; published Dec. 29, 1936.
Slips, Ladies'. Enterprise & Century Undergarment Co. Inc. 344,133; Mar. 16; Serial No. 375,637; published Jan. 5, 1937.
Spats, mufflers, cravats, suspenders, Men's. M. A. Chauss. 344,287; Mar. 16; Serial No. 383,468; published Jan. 5, 1937.
Suits and overcoats, Men's. Maison Blanche Company. 344,250; Mar. 16; Serial No. 384,944; published Jan. 5, 1937.
Suits, jackets, sweaters, etc. Great Wardrobe, Ltd. 344,238; Mar. 16; Serial No. 384,827; published Jan. 5, 1937.
Ties. S. Sherman. 344,224; Mar. 16; Serial No. 384,676; published Dec. 29, 1936.
Undergarments, Step-In. I. B. Kleinert Rubber Company. 344,226; Mar. 16; Serial No. 384,710; published Jan. 5, 1937.
Underwear. Augusta Knitting Corporation. 344,150; Mar. 16; Serial No. 378,607; published Jan. 5, 1937.

CLASS 40

Buttons, Snap. Waldes & Co. 117,385; renewed July 3, 1937.
Goods, furnishings, and notions, Fancy. Waldes & Co. 117,386; renewed July 3, 1937.
Needles for hand use, and thimbles. American Merchandise Co. Inc. 344,208; Mar. 16; Serial No. 384,494; published Jan. 5, 1937.

CLASS 42

Blankets, comfortables, sheeting, etc. Cavendish Trading Corporation. 344,166; Mar. 16; Serial No. 382,037; published Jan. 5, 1937.
Blankets, perambulator rugs, and travelling rugs. John Kaye & Son (Huddersfield) Limited. 344,316; Mar. 16; Serial No. 385,412; published Jan. 5, 1937.
Carpets and rugs. I. Ginzkey-Maffersdorf, Inc. 344,331; Mar. 16; Serial No. 385,627; published Jan. 5, 1937.
Cotton piece goods. H. Lubow. 344,340; Mar. 16.
Cotton piece goods. Pacific Mills. 344,272; Mar. 16; Serial No. 385,148; published Jan. 5, 1937.
Cotton piece goods. J. C. Penney Company. 344,326; Mar. 16; Serial No. 385,536; published Jan. 5, 1937.
Lace and net piece goods and embroidered piece goods or in the piece. Case & Co. 344,253; Mar. 16; Serial No. 384,993; published Jan. 5, 1937.
Piece goods. L. Bachmann & Co. 344,113; Mar. 16; Serial No. 357,486; published July 7, 1936.
Piece goods. William Bliss & Son, Limited. 344,323; Mar. 16; Serial No. 385,504; published Jan. 5, 1937.
Pile fabrics in the piece. Rollinson-Haigh Textile Corp. 344,211; Mar. 16; Serial No. 384,557; published Jan. 5, 1937.
Ribbons. J. M. Langenieux. 344,330; Mar. 16; Serial No. 385,589; published Jan. 5, 1937.
Rugs and carpets, Woven textile. Bigelow-Sanford Carpet Co. Inc. 344,263; Mar. 16; Serial No. 385,083; published Jan. 5, 1937.
Silk, woolen, and cotton piece goods. Rich's, Inc. 344,146; Mar. 16; Serial No. 378,373; published Jan. 5, 1937.

CLASS 43

Yarn, Elastic. Filatex Corporation. 344,276; Mar. 16; Serial No. 385,181; published Jan. 5, 1937.
Yarns. Avondale Mills. 344,219; Mar. 16; Serial No. 384,042; published Jan. 5, 1937.
Yarns. Forrest Yarn Company. 344,189; Mar. 16; Serial No. 384,208; published Jan. 5, 1937.

CLASS 44

Covers for dental chairs, Sanitary headrest. I. Rotner. 344,172; Mar. 16; Serial No. 382,890; published Jan. 5, 1937.
Pads or tamplettes, Hair waving. Nestle-LeMur Company. 344,299; Mar. 16; Serial No. 385,196; published Jan. 5, 1937.

CLASS 45

Ale and sirup and extract for making the same, etc., Ginger. Monarch Manufacturing Company. 344,321; Mar. 16; Serial No. 385,486; published Jan. 5, 1937.
Beverage and sirup and extract for making the same, etc., Cola. Monarch Manufacturing Company. 344,322; Mar 16; Serial No. 385,487; published Jan. 5, 1937.
Beverages and syrups, extracts, and flavors used in making the same. E. A. Randall. 344,196; Mar. 16; Serial No. 384,298; published Jan. 5, 1937.
Drinks, Maltless soft. Virginia Dare Extract Company. 344,268; Mar. 16; Serial No. 385,116; published Jan. 5, 1937.
Flavors for making soft drinks, True fruit. H. Barletta. 344,342; Mar. 16.
Orange base and diluted lemon juice for beverage purposes. Treesweet Products Co. 344,217; Mar. 16; Serial No. 384,604; published Jan. 5, 1937.

CLASS 46

Biscuit. National Biscuit Company. 116,347; renewed Apr. 24, 1937.
Biscuits. Pacific Coast Biscuit Company. 117,055; renewed June 12, 1937.
Biscuits, crackers, and cookies. Burry Biscuit Corporation. 344,293; Mar. 16; Serial No. 383,717; published Dec. 29, 1936.
Bread. Vietmeyer Bros. Co. 344,181; Mar. 16; Serial No. 384,104; published Jan. 5, 1937.
Buns. W. E. Broeg. 344,346; Mar. 16.
Butter. Mountain Crest Creameries Corp. 344,210; Mar. 16; Serial No. 384,548; published Jan. 5, 1937.
Buttermilk emulsion for animal and poultry feed, Condensed. Jas. E. Kehoe Inc. 344,167; Mar. 16; Serial No. 382,271; published Jan. 5, 1937.
Cake, pies, French pastries, etc. Richard W. Kaase Company. 344,289; Mar. 16; Serial No. 383,506; published Jan. 5, 1937.
Cakes. Loose-Wiles Biscuit Company. 115,640–1; renewed Feb. 27, 1937.
Cakes. Loose-Wiles Biscuit Company. 115,777; renewed Mar. 6, 1937.
Cakes. Loose-Wiles Biscuit Company. 115,978; renewed Mar. 27, 1937.
Cakes. Loose-Wiles Biscuit Company. 116,147; renewed Apr. 10, 1937.
Cakes. Loose-Wiles Biscuit Company. 116,333; renewed Apr. 24, 1937.
Candies. Europa Sales Corporation. 344,341; Mar. 16.
Candy. Butter Cream Confectionery Corp. 344,198; Mar. 16; Serial No. 384,317; published Jan. 5, 1937.
Candy. Hollywood Brands, Inc. 344,243; Mar. 16; Serial No. 384,894; published Dec. 29, 1936.
Canned beef, canned chicken, canned fish, etc. Gomei Kaisha Domoto Shokai. 344,117; Mar. 16; Serial No. 368,176; published Dec. 29, 1936.
Canned fish. Compania De Prodnctos Marinos. 344,163; Mar. 16; Serial No. 381,402; published Jan. 5, 1937.
Canned pineapple and pineapple juice. Alexander & Baldwin, Ltd. 344,154; Mar. 16; Serial No. 379,335; published Jan. 5, 1937.
Canned tuna. Sun Harbor Packing Corp. 344,278; Mar. 16; Serial No. 383,185; published Dec. 29, 1936.
Cereals and cereal products. Armeno Cereal Co. 344,169; Mar. 16; Serial No. 382,373; published Dec. 29, 1936.
Cheese, Cream. G. Tedone. 344,295; Mar. 16; Serial No. 383,861; published Dec. 29, 1936.
Coffee. LaTouraine Coffee Co. 344,159; Mar. 16; Serial No. 380,176; published Sept. 22, 1936.
Eggs, butter, and poultry and stock feeds. F. M. Stamper Company. 344,148; Mar. 16; Serial No. 378,530; published Jan. 5, 1937.
Flour. Washburn Crosby Company. 344,156–7; Mar. 16; Serial Nos. 379,934–5; published Jan. 5, 1937.
Flour, Wheat. International Milling Company. 344,235; Mar. 16; Serial No. 384,797; published Jan. 5, 1937.
Flour, Wheat. Packard Milling Company. 344,162; Mar. 16; Serial No. 381,321; published Dec. 29, 1936.
Food, Dog. Maritime Milling Co. Inc. 344,267; Mar. 16; Serial No. 385,103; published Jan. 5, 1937.
Foods for poultry and livestock. New England Retail Grain Dealers Co-Operative Association. 344,173; Mar. 16; Serial No. 382,925; published Jan. 5, 1937.
Fruits, Fresh citrus. G. C. Power. 344,350; Mar. 16.
Grapes, plums, and cherries and fresh vegetables, Fresh. J. Graffigna. 344,225; Mar. 16; Serial No. 384,705; published Jan. 5, 1937.
Ice cream and sherbets. Diego Guarding. 344,242; Mar. 16; Serial No. 384,892; published Dec. 29, 1936.
Malt preparation for bread making. Stuart Lee Jaffray, Inc. 344,206; Mar. 16; Serial No. 384,467; published Jan. 5, 1937.
Oranges. Piru Citrus Association. 344,344; Mar. 16.

Potato chips. General Mills, Inc. 344,277; Mar. 16; Serial No. 385,183; published Jan. 5, 1937.
Sandwiches. Wimpy Grills, Inc. 344,153; Mar. 16; Serial No. 379,326; published Jan. 5, 1937.
Sauer kraut. Meeter's, Inc. 344,338; Mar. 16.
Seasonings, Spiced. William G. Bell Company. 344,183–4; Mar. 16; Serial Nos. 384,113–14; published Dec. 29, 1936.
Sugar. National Sugar Refining Company of New Jersey. 344,207; Mar. 16; Serial No. 384,472; published Jan. 5, 1937.
Syrup, Cane. Sessions Company. 344,288; Mar. 16; Serial No. 383,490; published Jan. 5, 1937.
Tomato juice. American Stores Company. 344,170; Mar. 16; Serial No. 382,419; published Jan. 5, 1937.
Turkeys, Dressed. R. H. Storz. 344,281; Mar. 16; Serial No. 383,275; published Dec. 29, 1936.
Vegetables, Fresh. I. Williams. 344,190; Mar. 16; Serial No. 384,278; published Jan. 5, 1937.
Wafers, Aperitif waffle. Rice & Townsend. 344,261; Mar. 16; Serial No. 385,063; published Jan. 5, 1937.
Yeast. Northwestern Yeast Company. 344,227; Mar. 16; Serial No. 384,713; published Jan. 5, 1937.

CLASS 47

Wine. A. M. Kantro. 344,257; Mar. 16; Serial No. 385,044; published Jan. 5, 1937.
Wines. Charles & Co. 344,202; Mar. 16; Serial No. 384,407; published Jan. 5, 1937.
Wines. European Wine Exporters & Growers Agencies, Inc. 344,265; Mar. 16; Serial No. 385,090; published Jan. 5, 1937.
Wines. Sandusky Wineries, Inc. 344,212; Mar. 16; Serial No. 384,559; published Jan. 5, 1937.

CLASS 48

Beer. Drewrys Limited U. S. A., Inc. 344,325; Mar. 16; Serial No. 385,512; published Jan. 5, 1937.
Beer. F. H. Mortimer. 344,301; Mar. 16; Serial No. 385,230; published Jan. 5, 1937.
Beer and ale. Drewrys Limited U. S. A., Inc. 344,324; Mar. 16; Serial No. 385,511; published Jan. 5, 1937.
Malt beverage. Bruckmann Company. 344,310; Mar. 16; Serial No. 385,279; published Jan. 5, 1937.
Preparation for the chillproofing of beer or ale. Frederick Stearns & Company. 344,311; Mar. 16; Serial No. 385,311; published Jan. 5, 1937.

CLASS 49

Cordials, Distilled alcoholic. Lyons-Magnus, Incorporated. 344,200; Mar. 16; Serial No. 384,360; published Dec. 15, 1936.
Gin. Canada Dry Ginger Ale, Incorporated. 344,116; Mar. 16; Serial No. 365,723; published Sept. 15, 1936.
Gin. Fleischmann Distilling Corporation. 344,124; Mar. 16; Serial No. 372,872; published Mar. 3, 1936.
Rum. Siboney Distilling Corporation. 344,317; Mar. 16; Serial No. 385,428; published Jan. 5, 1937.
Whiskey. J. A. Berson. 344,130; Mar. 16; Serial No. 374,039; published Mar. 10, 1936.
Whiskey. Judge & Dolph, Ltd. 344,125; Mar. 16; Serial No. 373,045; published Sept. 8, 1936.
Whiskey. H. McKenna, Incorporated. 344,114; Mar. 16; Serial No. 359,806; published July 23, 1935.
Whiskey, blended whiskey, rum, etc. Maryland-Pikesville Distillery, Inc. 344,127; Mar. 16; Serial No. 373,927; published Mar. 3, 1936.

LIST OF LABELS

Calavo. For Avocados. Calavo Growers of California. 49,075; Mar. 16.
Kaptain Kid's Treasure Chest. For Latex or Rubber Articles Namely Aprons or Bibs and Pants for Babies. International Latex Corporation. 49,076; Mar. 16.
Kernel Kist Corn. For Canned Golden Bantam Corn. Plymouth Packing Company. 49,077; Mar. 16.

LIST OF PRINTS

Holloway's RX. For a Preparation for the Feet. Holloway, Inc. 16,111; Mar. 16.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Anthony, William C. (See Brown, Victor Y., assignor.)
Brown, Victor Y., Tonbridge, England, assignor to W. C. Anthony, Streator, Ill. Vehicle. 20,292; Mar. 16.
Dow, Jennings B., Washington, D. C. Oscillator system. 20,293; Mar. 16.
Egry Register Company, The. (See Pfeiffer, Frank E., assignor.)
Fisher, Harry C., Cincinnati, Ohio, assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Coloring granular slate and the like. 20,295; Mar. 16.
Freeman, Benjamin W., Cincinnati, and J. Schneider, Mount Washington, assignors to The Louis G. Freeman Company, Cincinnati, Ohio. Ornamenting machine. 20,294; Mar. 16.
Freeman, Louis G., Company, The. (See Freeman, B. W., and Schneider, assignors.)
Henry, Donald E. (See Rentschler, H. C., and Henry.)
Midland Steel Products Company, The. (See Sneed, John, assignor.)
Minnesota Mining & Manufacturing Company. (See Fisher, Harry C., assignor.)
Pfeiffer, Frank E., assignor to The Egry Register Company, Dayton, Ohio. Billing machine. 20,296; Mar. 16.
Rentschler, Harvey C., East Orange, and D. E. Henry, Bloomfield, N. J., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Amplification system for glow relay devices. 20,297; Mar. 16.
Rovinsky, Cosmos W., Menominee, Mich. Electrical insect exterminator. 20,298; Mar. 16.
Schneider, John. (See Freeman, B. W., and Schneider.)
Sneed, John, Grosse Pointe Shores, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Brake mechanism. 20,299; Mar. 16.
Warren, Paul C., Lakeside, Mich. Refrigerator. 20,300; Mar. 16.
Westinghouse Electric & Manufacturing Company. (See Rentschler, H. C., and Henry, assignors.)

LIST OF PLANT PATENTEES

Moore, Valentine, Visalia, Calif. Apple. 238; Mar. 16.

LIST OF DESIGN PATENTEES

Adams, Wilbur H., and D. H. Holden, Cleveland, Ohio. Combined lamp and support. 103,557; Mar. 16.
American Radiator Company. (See Cornell, Edward S., Jr., assignor.)
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Smoker's stand. 103,558; Mar. 16.
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Ashe, Marsellus T., Garden City, N. Y., assignor to B. Collier, New York, N. Y. Vending machine cabinet. 103,559; Mar. 16.
Barnett, Jack, Brooklyn, N. Y. Slipper or similar article. 103,560; Mar. 16.
Baum, William A., Forest Hills, N. Y. Instrument case or similar article. 103,561; Mar. 16.
Beck, Ernie J., assignor to S. Karpen & Bros., Chicago, Ill. Seat. 103,624; Mar. 16.
Bell & Howell Company, The. (See Howell, Albert S., assignor.)
Beria, Biagio, assignor to Società Anonima Officine Di Villar Perosa, Turin, Italy. Cash register. 103,625; Mar. 16.
Beria, Biagio, assignor to Società Anonima Officine Di Villar Perosa, Turin, Italy. Cash register. 103,626; Mar. 16.
Beria, Biagio, assignor to Società Anonima Officine Di Villar Perosa, Turin, Italy. Keyboard for cash registers. 103,627; Mar. 16.
Bernard, Herbert, New York, N. Y. Textile fabric. 103,606; Mar. 16.
Boyertown Burial Casket Company. (See Strunk, Lester N., assignor.)
Brunswick-Balke-Collender Company, The. (See Deskey, Donald, assignor.)
Coleman, Tora, New York, N. Y. Dress. 103,607; Mar. 16.
Coleman, Tora, New York, N. Y. Dress. 103,652; Mar. 16.
Coleman, Tora, New York, N. Y. Dress. 103,653; Mar. 16.
Collier, Barron. (See Ashe, Marsellus T., assignor.)
Cook, Mildred K., assignor to F. H. Noble & Co., Chicago, Ill. Base for a jewelry box or similar article. 103,562; Mar. 16.
Cornell, Edward S., Jr., Larchmont, assignor to American Radiator Company, New York, N. Y. Boiler jacket. 103,628; Mar. 16.
Cowan, R. Guy, assignor to Pass & Seymour, Inc., Syracuse, N. Y. Ceiling lighting fixture. 103,563; Mar. 16.
Craig, Robert H., Lindsay, Calif. Music stand. 103,564; Mar. 16.
Cutler, Elizabeth, New York, N. Y. Dress. 103,654; Mar. 16.
Cutler, Elizabeth, New York, N. Y. Dress ensemble. 103,655; Mar. 16.
Cutler, Elizabeth, New York, N. Y. Dress. 103,656; Mar. 16.
Das, Elsie J., assignor to Watumull Brothers, doing business as East India Store, Honolulu, Hawaii. Textile fabric. 103,630; Mar. 16.
Davis, Charles R., assignor of one-half to C. H. Ineson, Rochester, N. Y. Safe or similar article. 103,629; Mar. 16.
De Sakhnoffsky, Alexis, Philadelphia, Pa., assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Velocipede. 103,645; Mar. 16.
Deskey, Donald, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Billiard table. 103,608; Mar. 16.
Dietz, Ida, Brooklyn, N. Y. Shirt collar. 103,609; Mar. 16.
Dover, Samuel M., Chicago, Ill. Combined stop and tail lamp. 103,565; Mar. 16.
Dover, Samuel M., Chicago, Ill. Combined stop and tail lamp. 103,566; Mar. 16.
Duro Metal Products Company. (See McNaught, Norris F., assignor.)
Earle, Walter B., New York, N. Y. Dress. 103,610; Mar. 16.
Earle, Walter B., New York, N. Y. Dress. 103,611; Mar. 16.
East India Store. (See Das, Elsie J.)
Elwert, Louis A., New York, N. Y. Instrument board for motor vehicles. 103,631; Mar. 16.
Eugene, Ltd. (See Jacobsen, Edward, assignor.)
Fatherley, Robert E., Darien, Conn., assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 103,632; Mar. 16.
Fear, Ernest D., Kansas City, Mo. Scale. 103,633; Mar. 16.
Fear, Ernest D., Kansas City, Mo. Scale. 103,634; Mar. 16.
Feintuck, Rose, New York, N. Y. Dress. 103,657; Mar. 16.
Fisher, Robert H., New York, N. Y., assignor to Whiting Holding Company, Minneapolis, Minn. Combined clock and radio receiver. 103,567; Mar. 16.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 103,635; Mar. 16.
Fuller, Paul M., Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Phonograph cabinet. 103,568; Mar. 16.
Gerent, Paul, New Britain, Conn. Combined bird figure and pedestal. 103,569; Mar. 16.
Goodman, Ben, New York, N. Y. Scarf. 103,612; Mar. 16.
Goodman, Ben, New York, N. Y. Scarf. 103,613; Mar. 16.
Goodman, Ben, New York, N. Y. Scarf. 103,614; Mar. 16.

Goodman, Ben, New York, N. Y. Scarf. 103,636; Mar. 16.
Grober, Maurice W., assignor of one third to L. B. London and one third to L. Newland, New York, N. Y. Electric water heater. 103,637; Mar. 16.
Gutschmidt, Max, Union City, N. J. Textile fabric or similar article. 103,615; Mar. 16.
Harder Refrigerator Corporation. (See Welden, William A., assignor.)
Hauton, Paul S., Atlanta, Ga. Pencil. 103,570; Mar. 16.
Hazel-Atlas Glass Company. (See Ruck, William R., assignor.)
Hensey, Harry D., Middletown, Ohio. Serving refrigerator. 103,571; Mar. 16.
Hessberg, Irving K., assignor to Van Raalte Company, New York, N. Y. Glove. 103,616; Mar. 16.
Holden, Dean H. (See Adams, W. H., and Holden.)
Holzer, Philip, Jr., Chicago, Ill. Radio cabinet. 103,572; Mar. 16.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Photographic camera. 103,573; Mar. 16.
Howell, Bernard C. (See Melvin, F. F., and Howell.)
Ide, Sherwood C., Gowanda, N. Y. Game apparatus. 103,638; Mar. 16.
Ineson, Charles H. (See Davis, Charles R., assignor.)
Jacobsen, Edward, assignor to Eugene, Ltd., New York, N. Y. Permanent wave machine. 103,574; Mar. 16.
Janes, Richard B., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Chair. 103,575; Mar. 16.
Johnson, Arthur A., assignor to John I. Paulding Inc., New Bedford, Mass. Lighting fixture. 103,576; Mar. 16.
Karpen, S., & Bros. (See Beck, Ernie J., assignor.)
Kornfeld, Morton D., New York, N. Y. Textile fabric. 103,629; Mar. 16.
Kornfeld, Morton D., New York, N. Y. Textile fabric. 103,640; Mar. 16.
Kornfeld, Morton D., New York, N. Y. Textile fabric. 103,641; Mar. 16.
Kornfeld, Morton D., New York, N. Y. Textile fabric. 103,642; Mar. 16.
Leiterman, Julius, New York, N. Y. Coat. 103,617; Mar. 16.
London, Louis B., et al. (See Grober, Maurice W., assignor.)
Marshall, James K. (See Soref, H. E., and Marshall.)
Master Lock Company. (See Soref, H. E., and Marshall, assignors.)
McAllaster, George R., Rochester, N. Y. Smoking pipe. 103,577; Mar. 16.
McCartney, Will C., Cambridge, Ohio. Bowl or similar article. 103,578; Mar. 16.
McNaught, Norris F., assignor to Duro Metal Products Company, Chicago, Ill. Wrench. 103,579; Mar. 16.
Melvin, Francis F., and B. C. Howell, Elwood, Ind. Display rack. 103,580; Mar. 16.
Melvin, Francis F., and B. C. Howell, Elwood, Ind. Wing type display rack. 103,581; Mar. 16.
Michelson, Margaret, New York, N. Y. Dress. 103,618; Mar. 16.
Michelson, Margaret, New York, N. Y. Dress. 103,658; Mar. 16.
Mims, Evelyn H., Fort Worth, Tex. Bonnet or similar article. 103,619; Mar. 16.
Monarch Manufacturing Works, Inc. (See Murphy, Thomas W., assignor.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Textile fabric suitable for blankets or similar article. 103,643; Mar. 16.
Morin, Luke O., Jr., assignor to Samuel Stamping and Enameling Company, Chattanooga, Tenn. Heater. 103,644; Mar. 16.
Murphy, Thomas W., Bala-Cynwyd, assignor to Monarch Manufacturing Works, Inc., Philadelphia, Pa. Pressure regulating valve. 103,582; Mar. 16.
Murray-Ohio Manufacturing Company, The. (See de Sakhnoffsky, Alexis, assignor.)
Newland, Louis, et al. (See Grober, Maurice W., assignor.)
Noble, F. H., & Co. (See Cook, Mildred K., assignor.)
Noble, F. H., & Co. (See Shields, John M., Jr., assignor.)
Oswell, Bernard, New York, N. Y. Shoe ornament. 103,583; Mar. 16.
Oswell, Bernard, New York, N. Y. Shoe. 103,584; Mar. 16.
Oswell, Bernard, New York, N. Y. Shoe ornament. 103,585; Mar. 16.
Pass & Seymour, Inc. (See Cowan, R. Guy, assignor.)
Paulding, John I., Inc. (See Johnson, Arthur A., assignor.)
Perugia, Andre, Paris, France. Shoe or similar article. 103,586; Mar. 16.
Perugia, Andre, Paris, France. Shoe or similar article. 103,587; Mar. 16.
Perugia, Andre, Paris, France. Shoe or similar article. 103,588; Mar. 16.
Perugia, Andre, Paris, France. Shoe or similar article. 103,589; Mar. 16.
Perugia, Andre, Paris, France. Shoe or similar article. 103,590; Mar. 16.
Perugia, Andre, Paris, France. Shoe or similar article. 103,591; Mar. 16.
Perugia, Andre, Paris, France. Shoe or similar article. 103,592; Mar. 16.
Perugia, Andre, Paris, France. Shoe or similar article. 103,593; Mar. 16.
Perugia, Andre, Paris, France. Shoe or similar article. 103,594; Mar. 16.
Philippe, Alfred, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc. Brooch or the like. 103,595; Mar. 16.
Philippe, Alfred, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc. Brooch. 103,596; Mar. 16.
Philippe, Alfred, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc. Brooch. 103,597; Mar. 16.
Philippe, Alfred, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc. Clip. 103,598; Mar. 16.
Reliance Manufacturing Company. (See Vorhauer, Johnnye L., assignor.)
Richter, Maxwell, New York, N. Y. Dress. 103,659; Mar. 16.
Rosenholz, J. (See Ross, Walter, assignor.)
Ross, Walter, assignor to J. Rosenholz, New York, N. Y. Textile fabric. 103,660; Mar. 16.
Ruck, William R., Clarksburg, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Bowl. 103,599; Mar. 16.
Samuel Stamping and Enameling Company. (See Morin, Luke O., Jr., assignor.)
Sears, Roebuck and Co. (See Janes, Richard B., assignor.)
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Shields, John M., Jr., assignor to F. H. Noble & Co., Chicago, Ill. Base for a jewelry box or similar article. 103,600; Mar. 16.
Simmons Company. (See Travis, Don C., assignor.)
Slee, Arthur L., San Francisco, Calif. Copy holder. 103,601; Mar. 16.
Società Anonima Officine Di Villar Perosa. (See Berla, Biagio, assignor.)
Soref, Harry E., and James K. Marshall, assignors to Master Lock Company, Milwaukee, Wis. Savings bank. 103,620; Mar. 16.
Spalsbury, Charles, assignor to Spalsbury-Stels-Deevers Shoe Co., Fredericktown, Mo. Shoe. 103,602; Mar. 16.
Spalsbury-Stels-Deevers Shoe Co. (See Spalsbury, Charles, assignor.)
Steinberg, Norma G. A., Oak Park, Ill. Utensil scraper or similar article. 103,603; Mar. 16.
Sterling Company, The. (See Vorhauer, Johnnye L.)
Stiglitz, Rica, New York, N. Y. Flower-embroidered dress fabric. 103,661; Mar. 16.
Strunk, Lester N., Boyertown, Pa., assignor to Boyertown Burial Casket Company. Burial casket. 103,621; Mar. 16.
Travis, Don C., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedspring. 103,604; Mar. 16.
Trifari, Krussman & Fishel, Inc. (See Philippe, Alfred, assignor.)
Turpan, Mark, West New York, N. J. Textile fabric. 103,622; Mar. 16.
Uihlein, George V., Worcester, Mass. Carpet or similar article. 103,623; Mar. 16.
Van Ore, Lawrence W., Rochester, N. Y. Game device. 103,646; Mar. 16.
Van Raalte Company. (See Hessberg, Irving K., assignor.)
Vorhauer, Johnnye L., assignor to Reliance Manufacturing Company, Chicago, Ill., doing business as The Sterling Company. Textile fabric or similar article. 103,647; Mar. 16.
Watumull Brothers. (See Das, Elsie J., assignor.)
Welden, William A., Stamford, Conn., assignor to Harder Refrigerator Corporation, Cobleskill, N. Y. Refrigerator. 103,648; Mar. 16.
Wells, James G., Chicago, Ill. Illuminated coin controlled machine casing. 103,649; Mar. 16.
Wenett, Philip, New York, N. Y. Dress. 103,662; Mar. 16.
Whiting Holding Company. (See Fisher, Robert H., assignor.)
Wilde, Hans W., North Bergen, N. J. Textile fabric. 103,650; Mar. 16.
Wurlitzer, Rudolph, Company, The. (See Fuller, Paul M., assignor.)
Yale Fabrics Corp. (See Fatherley, Robert E., assignor.)
Zell, David H., Brooklyn, N. Y. Coin bank. 103,605; Mar. 16.
Zell, David H., Brooklyn, N. Y. Coin bank. 103,651; Mar. 16.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Raiziss, G. W., and Clemence, assignors.)
Abrams, Allen, C. L. Wagner, and G. W. Forcey, Wausau, assignors to Marathon Paper Mills Company, Rothschild, Wis. Interwound film material. 2,074,313; Mar. 16.
Ackerman, Michael H., Mansfield, Ohio. Cabinet and counter structure. 2,073,955; Mar. 16.
Acmeline Manufacturing Company. (See Novak, John L., assignor.)
Acree, Solomon F., assignor to A. B. Foster, Washington, D. C. Galactan product and making same. 2,073,616; Mar. 16.
Adams, Arthur A., et al. (See Eden, Harold W., assignor.)
Adams, Herbert L., Washington, D. C. Rocket airship. 2,074,098; Mar. 16.
Adams, Herbert L., Washington, D. C. Resilient wing mounting and framing. 2,074,099; Mar. 16.
Addressograph-Multigraph Corporation. (See Ellis, Charles E., assignor.)
Adlake Company, The. (See Larson, Carl H., assignor.)
Adler, Charles, Jr., Baltimore, Md. Traffic signal. 2,074,246; Mar. 16.
Adler, Charles S., New Brunswick, assignor to H. P. Massey, Montclair, N. J. Film feeding device. 2,074,139; Mar. 16.
Agfa Ansco Corporation. (See Barth, W., and Forrest, assignors.)
Agfa Ansco Corporation. (See Schneider, Wilhelm, assignor.)
Akron Standard Mold Company, The. (See Bostwick, Henry C., assignor.)
Allen, Henry A., et al, trustees. (See Pratt, Harry P., assignor.)
Allen, Henry B., assignor to Henry Disston and Sons, Inc., Philadelphia, Pa. Apparatus for making composite metals. 2,074,296; Mar. 16.
Allen, Scott E., Glen Ridge, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Discharge head for fluid containers. 2,073,670; Mar. 16.
Allen, Scott E., Glen Ridge, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Fire extinguishing apparatus with warning signal. 2,074,157; Mar. 16.
Allis-Chalmers Manufacturing Company. (See Frudden, C. E., and Strehlow, assignors.)
Allis-Chalmers Manufacturing Company. (See Wilson, Herbert A., assignor.)
Alther, Joseph G., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oil. 2,074,198; Mar. 16.
American Enka Corporation. (See Moritz, Adrian J. L., assignor.)
American Enka Corporation. (See Schrenk, Hans A., assignor.)
American Locomotive Company. (See Blunt, James G., assignor.)
American Machine and Metals, Inc. (See Gross, Carl G., assignor.)
American Potash & Chemical Corporation. (See Black, Leroy G., assignor.)
American Radiator Company. (See Woodruff, Henry S., assignor.)
American Rolling Mill Company, The. (See Millan, Edward N., assignor.)
American Safety Razor Corporation. (See Dalkowitz, Godfrey, assignor.)
American Telephone and Telegraph Company. (See Anderson, Emil N., assignor.)
American Telephone and Telegraph Company. (See Norton, John E., assignor.)
American Telephone and Telegraph Company. (See Ostensacken, Irving C., assignor.)
American Zinc, Lead & Smelting Company. (See Calbeck, John H., assignor.)
Andersen, Carl N., Wellesley Hills, Mass., assignor to Lever Brothers Company. Aryl mercury hydroxy mononuclear aromatic carboxylates. 2,074,040; Mar. 16.
Anderson, Emil N., Oak Park, Ill., assignor to American Telephone and Telegraph Company. Registering system. 2,073,983; Mar. 16.
Anderson, John W., assignor to Sheller Manufacturing Corporation, Portland, Ind. Steering wheel. 2,073,822; Mar. 16.
Andres, Lloyd J., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich. Photoelectric converter. 2,073,773; Mar. 16.
Andrews, Chester E., Brookline, assignor to The Röhm & Haas Company, Philadelphia, Pa. Manufacture of amines. 2,073,671; Mar. 16.
Anthony Development Company. (See Anthony, William C., assignor.)
Anthony, William C., assignor to Anthony Development Company, Streator, Ill. Vehicle suspension. 2,073,823; Mar. 16.
Apex Electrical Manufacturing Company, The. (See Mader, John J., assignor.)
Appleton Electric Company. (See Tornblom, Nils A., assignor.)
Armington, Arthur P., Willoughby, assignor to The Euclid Road Machinery Company, Euclid, Ohio. Tractor hitch. 2,073,617; Mar. 16.
Armstrong, Edward R., Atlantic City, N. J. Glare interceptor. 2,074,247; Mar. 16.
Arnold, Howard P., Rockland, Mass. Feed wheel. 2,074,199; Mar. 16.
Arnold, Russell B. (See Caley, Glenn H., assignor.)
Arutunoff, Armais. (See Brown, C. C., Van Wert, and Arutunoff.)
Askue, Russell P., Larchmont, N. Y. Paring knife. 2,073,618; Mar. 16.
Ateliers Neyret-Beylier & Piccard-Pictet. (See Danel, Pierre F., assignor.)
Atlantic Refining Company, The. (See Weir, H. M., and Chillas, assignors.)
Atteslander, Edouard, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Locomotive control. 2,073,774; Mar. 16.
Automatic Musical Instrument Company. (See Andres, Lloyd J., assignor.)
Avery, Clarence W., Detroit, Mich. Vehicle construction. 2,074,158; Mar. 16.
Babcock & Wilcox Tube Company, The. (See Newell, Harold D., assignor.)
Bagpak, Inc. (See Cundall, Lincoln A., assignor.)
Bahr, Conrad C., New York, N. Y., and G. H. Pfefferle, assignors to S. R. Dresser Manufacturing Company, Bradford, Pa. Torque measuring wrench. 2,074,079; Mar. 16.
Bailey, Rosemond H., Jackson Heights, Long Island, N. Y. Protector for electrical appliances. 2,074,159; Mar. 16.
Baird, Cassius M. C., Evanston, Ill. Hose coupling. 2,073,824; Mar. 16.
Baker, James A., assignor to Union Steel Casting Company, Pittsburgh, Pa. Annealing base. 2,073,724; Mar. 16.
Baldwin, Harold R., Carpentersville, Ill., assignor to Elgin Manufacturing Company. Filling machine. 2,074,041; Mar. 16.
Baldwin-Southwark Corporation. (See Vogler, Joseph, assignor.)
Balke, Clarence W., Highland Park, assignor to Ramet Corporation of America, North Chicago, Ill. Making borides. 2,073,826; Mar. 16.
Ballard, Howard T., et al., trustees. (See Pratt, Harry P., assignor.)
Balliet, A. H., Corporation. (See Fleischer, Paul W., assignor.)
Bank, Edward C., Berkeley, Calif. Swivel connection for vacuum cleaner nozzles. 2,074,042; Mar. 16.
Barbour, Herbert C., El Pasco, Tex. Holder for a glass, tooth brushes, and a paste. 2,074,248; Mar. 16.
Baroni, Peter and S., Philadelphia, Pa., assignors to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 2,073,725; Mar. 16.
Baroni, Sante. (See Baroni, Peter and S.)
Barrett Company, The. (See Holdsworth, Richard A., assignor.)
Barrett Company, The. (See Penley, Benjamin S., assignor.)
Barrett Company, The. (See Penley, B. S., and Holdsworth, assignors.)
Barth, Walther, Binghamton, and J. Forrest, Windsor, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Prepared chemicals and preparing the same. 2,074,200; Mar. 16.
Baskin, Charles M., Montreal, Quebec, Canada, assignor to Standard Oil Development Company. Bituminous pavements of high structural strength and making same. 2,074,010; Mar. 16.
Bates, Joseph D., Springfield, Mass. Mop. 2,073,726; Mar. 16.
Bates, Lester N., Fremont, Ohio. Upkeep of nonporous gloves. 2,074,140; Mar. 16.
Bauer, Walter, and A. Gerlach, Darmstadt, Germany, assignors, by mesne assignments, to Röhm & Haas Company, Philadelphia, Pa. Producing transformation products of acrylic acid or its derivatives. 2,073,619; Mar. 16.
Baumel, Nat J., Washington, D. C. Foot controller. 2,073,775; Mar. 16.
Bausch & Lomb Optical Company. (See Ellestad, Gerhard A., assignor.)

Bausch & Lomb Optical Company. (See Foster, Leon V., assignor.)
Bausch & Lomb Optical Company. (See Graeper, Walter W., assignor.)
Bausch & Lomb Optical Company. (See Kurtz, Henry F., assignor.)
Bausch & Lomb Optical Company. (See Reh, Edward J., assignor.)
Bayer, Otto, Leverkusen-I. G.-Werk, E. Herdieckerhoff, Opladen, near Cologne, and H. Schindhelm, Frankfort-on-the-Main-Fechenheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Heterocyclic hydrazines. 2,073,600; Mar. 16.
Beach, Joseph F., Washington, D. C. Safety device for fountain pens and the like. 2,073,601; Mar. 16.
Beach, Joseph F., Washington, D. C. Pinholder. 2,073,602; Mar. 16.
Becher, Theodor, Wiesbaden, assignor to Maschinenfabrik Augsburg-Nurnburg, A. G., Nuremburg, Germany. Dam. 2,073,956; Mar. 16.
Béchereau, Louis, Paris, assignor to Society Avions Kellner-Béchereau, Billiancourt, France. Airfoil used in aeronautics. 2,074,201; Mar. 16.
Beck, Rudolph. (See Hammond, E. H., and Beck.)
Beck, Rudolf, Bridgeport, and R. C. Sylvander, Fairfield, assignors to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn. Automatic temperature and pressure control system. 2,073,825; Mar. 16.
Beckman, Ernest E., assignor of one-half to W. D. Krehbiel, Lind, Wash. Electric welding machine. 2,073,603; Mar. 16.
Beeh, Louis, Longmeadow, assignor to United American Bosch Corporation, Springfield, Mass. Fuel distributing valve. 2,073,604; Mar. 16.
Beese, Norman C., Verona, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. X-ray tube and cathode structure therefor. 2,073,672; Mar. 16.
Belcher, George E., Company. (See Reinhardt, Louis W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Broughton, William W., assignor.)
Bellmann, Rudolf, Chemnitz, Germany. Ladder mending device for knit goods. 2,074,080; Mar. 16.
Belluzzo, Giuseppe, Rome, Italy. Construction of internal combustion turbines. 2,073,605; Mar. 16.
Belmont Casket Mfg. Company, The. (See Neff, Harry A., assignor.)
Bendix, Vincent, and D. Boothby, Chicago, Ill., and L. L. Smalley, South Bend, Ind., assignors to International Engineering Corporation, Chicago, Ill. Turntable. 2,073,862; Mar. 16.
Benedek, Elek, Mount Gilead, Ohio. Bearing. 2,074,202; Mar. 16.
Benedek, Elek, Mount Gilead, Ohio. Pump. 2,074,203; Mar. 16.
Benedek, Elek, Mount Gilead, Ohio. Hydraulic apparatus. 2,074,204; Mar. 16.
Benedek, Elek, Mount Gilead, Ohio. Fluid pressure generator. 2,074,205; Mar. 16.
Benedek, Elek K., Bucyrus, Ohio. Hydraulic pump or motor. 2,074,206; Mar. 16.
Benner, Raymond C., Niagara Falls, T. E. Knowlton, New York, and C. E. Wooddell, Niagara Falls, N. Y., said Benner and said Wooddell assignors to said Knowlton. Tympan sheet. 2,073,918; Mar. 16.
Berg, Richard O. and S., assignors to Michigan Steel Tube Products Company, Detroit, Mich. Sheet stock cutting machine. 2,073,776; Mar. 16.
Berg, Simon. (See Berg, Richard O. and S.)
Bergmann, Richard F. (See Sayers, W. W., Bergmann, and Watson.)
Bergstein, Samuel, Cincinnati, Ohio. Carton. 2,074,160; Mar. 16.
Berman, Saul, New York, N. Y. Revolving toy. 2,073,919; Mar. 16.
Bernstein, Samuel S., Beverly Hills, Calif. Webbing support for upholstered furniture. 2,073,777; Mar. 16.
Best Foods, Inc., The. (See Keller, Henry, assignor.)
Beyette, John I. (See Roberts, G. F., and Beyette.)
Bicknell, George M., St. Louis, Mo., assignor to Waukesha Motor Company, Waukesha, Wis. International combustion engine. 2,073,620; Mar. 16.
Bills, Robert N., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Subsurface exploration. 2,074,161; Mar. 16.
Binks Manufacturing Company. (See Bramsen, Svend, assignor.)
Bird, William L., assignor to The Crosley Radio Corporation, Cincinnati, Ohio—Capillary tube device. 2,073,863; Mar. 16.
Black, Leroy G., assignor to American Potash & Chemical Corporation, Trona, Calif. Apparatus for producing dehydrated and crystalline anhydrous sodium tetraborate. 2,073,827; Mar. 16.
Blackman, Roy C., Cleveland, Ohio. Automobile direction switch and signal. 2,074,011; Mar. 16.
Blake, John T., Madison, Wis. Masonry wall. 2,073,673; Mar. 16.
Blaney, Jesse M., Amityville, N. Y. Removal of excess halides from photographic developing bath. 2,073,621; Mar. 16.
Blau, Ludwig W., and L. Statham, Houston, Tex., assignors to Standard Oil Development Company. Seismograph. 2,074,043; Mar. 16.
Bloh, William R., Giddings, Tex. Advertising apparatus. 2,074,249; Mar. 16.
Blunt, James G., Schenectady, assignor to American Locomotive Company, New York, N. Y. Railway vehicle structure. 2,074,299; Mar. 16.
Bodnovich, John, assignor of forty-nine per cent to E. C. Hilker, West Palm Beach, Fla. Valve. 2,073,727; Mar. 16.
Boerger, Martin G., assignor to Modine Manufacturing Company, Racine, Wis. Radiator. 2,073,778; Mar. 16.
Boggs Manufacturing Corporation. (See Ghent, William E., assignor.)
Böhl, Jakob, assignor to the firm Chemical Works formerly Sandoz, Basel, Switzerland. Manufacture of chromatable azo dyestuffs of the pyrazolone series. 2,073,728; Mar. 16.
Bolton, F. B., Brisbane, Australia. Temporary binder for sheets of paper and the like. 2,074,316; Mar. 16.
Bone, Revella M., Ogden, Utah. Advertising device. 2,074,250; Mar. 16.
Bonish, Leo A., Detroit, Mich. Photograph and film washing machine. 2,074,100; Mar. 16.
Boothby, Donald. (See Bendix, V., Boothby, and Smalley.)
Bosch, Robert, Aktiengesellschaft. (See Koch, Fritz, assignor.)
Bostwick, Henry C., Coventry Township, assignor to The Akron Standard Mold Company, Akron, Ohio. Collapsible form. 2,073,729; Mar. 16.
Bouligny, R. H., Inc. (See Lewis, J. F., and Moseley, assignors.)
Bour, John W., Los Angeles, Calif. Garment. 2,074,012; Mar. 16.
Bowman, Clarence B. (See Harris, J. B., Jr., and Bowman.)
Bowman, Joseph S., El Paso, Tex., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Flour sifter. 2,074,162; Mar. 16.
Boysen, John A., Rutherford, N. J., and V. E. Raddatz, Woodhaven, assignors to Robert Reis & Co., New York, N. Y. Garment. 2,074,119; Mar. 16.
Bracewell, James A., Tulsa, Okla. Game apparatus for amusement purposes. 2,074,207; Mar. 16.
Bradford, Zerbe C. (See Mapes, C. W., Bradford, and Sleeter.)
Bradley, Agnes C., executrix. (See Bradley, Wilson.)
Bradley Process Corporation. (See Bradley, Wilson, assignor.)
Bradley, Wilson, deceased, Deerwood, by A. C. Bradley, executrix, Duluth, Minn., assignor to Bradley Process Corporation, Wilmington, Del. Treating ores and similar materials. 2,074,013; Mar. 16.
Bramsen, Svend, assignor to Binks Manufacturing Company, Chicago, Ill. Spraying adhesive-coated material. 2,073,779; Mar. 16.
Brand, Samuel. (See Fuller, F. L., and Brand.)
Brandenburger, Herbert J., St. Louis, Mo., assignor to Crouse-Hinds Company, Syracuse, N. Y. Cycle timer. 2,073,828; Mar. 16.
Brandt, David G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Process and apparatus for refining mineral oils. 2,073,622; Mar. 16.
Brandt, David G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Process and apparatus for pressure distillation. 2,074,120; Mar. 16.
Braun, August W., Vienna, Austria. Arrangement for the automatic steering of motor vehicles. 2,074,251; Mar. 16.
Brendt, Henry, Chicago, Ill. Heater. 2,073,674; Mar. 16.
Brighten, Frank, London, England. Bathing cap. 2,074,208; Mar. 16.
Britt, Hugh A., Warrensburg, Mo. Dust cloth broom holder. 2,074,209; Mar. 16.
Brockel, Ernst, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Casting machine for the casting of plane stereotype plates. 2,073,675; Mar. 16.
Broderick, Frederick C., Winnetka, Ill. Control device and circuits for hot water heating systems. 2,073,676; Mar. 16.
Broderick, Frederick C., Winnetka, Ill. Temperature regulating system. 2,073,677; Mar. 16.
Brooks, Frank E., Batavia, assignor to R. D. Brooks, Jamestown, N. Y. Machine for applying foil to paper. 2,073,780; Mar. 16.
Brooks, Ray D. (See Brooks, Frank E., assignor.)
Broughton, William W., New Brighton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cutting tool. 2,073,678; Mar. 16.
Broune, Abel U., Brooklyn, N. Y. Multiple fuse control mechanism in combination with thermoprotective signal system. 2,074,141; Mar. 16.
Brouwer, Rodger D., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Bearing mounting. 2,073,957; Mar. 16.
Brown, Charley C., Ponca City, S. N. Van Wert, and Arutunoff, assignors to Reda Pump Company, Bartlesville, Okla. Submergible pump and transmission unit. 2,073,623; Mar. 16.
Brown, Luther S., Fresno, Calif. Vehicle axle. 2,073,829; Mar. 16.
Brown, Morris, La Grange, Ill., and S. F. O'Connor, Lakeview, Mont., assignors to Western Electric Company, Incorporated, New York, N. Y. Electroplating apparatus. 2,073,679; Mar. 16.

Brush, Alanson P., Detroit, Mich. Aircraft. 2,073,864; Mar. 16.
Brussell, Jacob, New York, N. Y. Knife-structure for trimming mechanism. 2,073,920; Mar. 16.
Budd, Edward G., Manufacturing Company. (See Whiteseil, John C., Jr., assignor.)
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Buell, Roy C., Schenectady, N. Y., assignor to General Electric Company. Recording instrument. 2,074,142; Mar. 16.
Bullock, Frederick A., Attleboro, Mass., assignor to Dolan & Bullock, Providence, R. I. Tie holder construction. 2,073,984; Mar. 16.
Burns, John S., Westminster, London, England. Road grading machine. 2,074,081; Mar. 16.
Burroughs Adding Machine Company. (See Racz, Ernest, assignor.)
Bushey, Eli J., New York, N. Y. Spark plug. 2,073,865; Mar. 16.
Bushway, George H., Hampton, N. H., assignor to Electricooker, Inc., Newburyport, Mass. Cooking machine. 2,074,044; Mar. 16.
Butterworth System, Incorporated. (See George, Leonard B., assignor.)
Byron Jackson Co. (See Grau, Herbert E., assignor.)
C-O-Two Fire Equipment Company. (See Allen, Scott E., assignor.)
Caille, Georges, Vaujours, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,074,163; Mar. 16.
Calafati, Salvator S., Jr., et al. (See Calafati, Salvator S., assignor.)
Calafati, Salvator S., assignor of three-fourths to S. S. Calafati, Jr., and one-fourth to J. M. Cole, New York, N. Y. Building construction. 2,073,781; Mar. 16.
Calbeck, John H., Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Preparing metallic sulphates from sulphide ores and the like. 2,074,210; Mar. 16.
Caley, Glenn H., Middletown, N. Y., assignor to R. B. Arnold, Chicago, Ill. Commutator cleaner for electric motors. 2,073,830; Mar. 16.
Calkins, William G. (See Langhammer, A. J., and Calkins.)
Callman, Arthur M., et al. (See Eden, Harold W., assignor.)
Campbell, William J., assignor to Climax Machinery Company, Indianapolis, Ind. Smoking stand. 2,073,680; Mar. 16.
Capital City Products Company, The. (See Moore, Harold E., assignor.)
Capps, Washington T., Baltimore, Md., assignor to The Standard Stoker Company, Inc. Locomotive stoker. 2,074,300; Mar. 16.
Capps, Washington T., Baltimore, Md., assignor to The Standard Stoker Company, Inc. Locomotive stoker. 2,074,301; Mar. 16.
Caracristi, Virginius Z., Bronxville, N. Y. Controlling the operation of steam engines. 2,073,921; Mar. 16.
Carbonaire Beverage Dispenser, Inc. (See Roren, Albert, assignor.)
Cardin, Leon A., Pawtucket, R. I. Tobacco smoking pipe. 2,073,606; Mar. 16.
Carlisle, Claud, Longview, Tex. Dump trailer. 2,074,101; Mar. 16.
Carlson, Ejnar W. (See Zimmer, J. C., and Carlson.)
Carlson, Wendell L. (See Chittick, K. A., and Carlson.)
Carpenter, Russell, Wayagamack Island, Three Rivers, Quebec, Canada. Rope guard for paper making machines. 2,074,045; Mar. 16.
Carpentieri, Louis, assignor of fifty per cent to L. Petrosino, New York, N. Y. Clothes pounder. 2,073,681; Mar. 16.
Carroll, Manly E., assignor to The Universal Generators Corporation, Inc., Miami, Fla. Generating gaseous fuel admixtures. 2,073,607; Mar. 16.
Carroll, Manly E., Miami, Fla., assignor to Universal Generators Corporation, Inc. Manifold for internal combustion engines. 2,073,608; Mar. 16.
Casto, Lloyd V., Detroit, Mich. Decorating metallic surfaces. 2,073,624; Mar. 16.
Caterpillar Tractor Co. (See Radford, William H., assignor.)
Celanese Corporation of America. (See Ellis, George H., assignor.)
Champlin, Arthur D., Providence, R. I. Tarnish and waterproof fabric. 2,073,730; Mar. 16.
Chemical Works formerly Sandoz. (See Böhl, Jakob, assignor.)
Chesley, Franklin R., Jr., Saco, Maine. Treating vegetable fibrous material for the production of cellulose fiber. 2,073,682; Mar. 16.
Chillas, Richard B., Jr. (See Weir, H. M., and Chillas.)
Chittick, Kenneth A., Haddon Heights, and W. L. Carlson, Haddonfield, N. J., assignors to Radio Corporation of America. Automatic volume control circuits. 2,074,014; Mar. 16.
Christiansen, Ejnar, Birmingham, England. Pie or like filling or depositing apparatus. 2,073,731; Mar. 16.
Christiansen, Walter G., Glen Ridge, N. J., S. E. Harris, Lynbrook, N. Y., and J. Lee, Zurich, Switzerland, assignors to E. R. Squibb & Sons, New York, N. Y. Diphenyl derivatives. 2,073,683; Mar. 16.
Christy, Elmer W., Cincinnati, Ohio. Blackboard compass. 2,074,102; Mar. 16.
Chrysler Corporation. (See Dunn, William T., assignor.)
Chrysler Corporation. (See Langhammer, A. J., and Calkins, assignors.)
Chryst, William A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorbing suspension. 2,074,103; Mar. 16.
Churchill, Stanley H., Edmonton, Alberta, Canada. Toilet ventilating apparatus and ventilating method. 2,074,211; Mar. 16.
Cincinnati Milling Machine Company, The. (See Ernst, H., and Martellotti, assignors.)
Cincinnati Milling Machine Co., The. (See Sassen, Bernard, assignor.)
Ciner, Irwin, New York, N. Y. Jewel mounting flexible bracelet. 2,074,046; Mar. 16.
Cin-Made Corporation. (See Harris, Robert E., assignor.)
Clair, Edward L., Toledo, Ohio, assignor to Interlake Iron Corporation, Chicago, Ill. Metallurgical apparatus and process. 2,074,164; Mar. 16.
Clapsdale, Leo J., Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Packing material for sealing joints. 2,074,015; Mar. 16.
Clark, John M., Northfield, N. J. Expansion engine. 2,074,165; Mar. 16.
Clemence, Le Roy W. (See Raiziss, G. W., and Clemence.)
Climax Machinery Company. (See Campbell, William J., assignor.)
Coakley, William E., Milwaukee, assignor to Pressed Steel Tank Company, West Allis, Wis. Making barrels. 2,073,684; Mar. 16.
Cobia, Oscar, Los Angeles, Calif. Bird and song-whistle. 2,073,922; Mar. 16.
Cohen, Norman L., and C. W. Vincent, Los Angeles, Calif. Composition for conditioning rugs. 2,073,831; Mar. 16.
Cole, Edward S., Montclair, N. J., and A. Holst, Astoria, N. Y., said Holst assignor to said Cole. Clock mechanism. 2,073,782; Mar. 16.
Cole, John M., et al. (See Calafati, Salvator S., assignor.)
Collins, Leo G., Lancaster, N. H. Two cycle engine. 2,073,985; Mar. 16.
Compo Shoe Machinery Corporation. (See Condon, William A., assignor.)
Compton, Robert A., Jr. (See White, L., and Compton.)
Condon, William A., Haverhill, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Manufacture of cemented footwear. 2,074,166; Mar. 16.
Cone, Carroll, near Toledo, assignor to Surface Combustion Corporation, Toledo, Ohio. Glass annealing lehr. 2,074,252; Mar. 16.
Conner, Bernard W., Rudd, Iowa. Can holder. 2,074,212; Mar. 16.
Conron, William H. (See Landon, V. D., and Conron.)
Consolidated Ashcroft Hancock Company. (See Beck, R., and Sylvander, assignors.)
Consolidated Ashcroft Hancock Company. (See Hammond, E. H., and Beck, assignors.)
Container Corporation of America. (See Kells, Benjamin F., assignor.)
Continental Can Company. (See Schrader, Herbert, assignor.)
Corbett, Sewell M., Fort Bragg, N. C. Venereal prophylactic. 2,073,625; Mar. 16.
Corkery, Frank W., Clairton, Pa., assignor to Pennsylvania Industrial Chemical Corporation. Corrosion protection. 2,073,783; Mar. 16.
Coryell, Charles N. (See Richter, George F., assignor.)
Coryell, Charles N., Mamaroneck, N. Y. Holder for stick material. 2,074,016; Mar. 16.
Cosner, Alvin L., Akron, Ohio. Water cooling attachment. 2,073,732; Mar. 16.
Court, Marie R., Paris, France. Wad for fowling-pieces. 2,073,609; Mar. 16.
Criley, William W., Cleveland, Ohio. Blank turning and transfer mechanism. 2,074,104; Mar. 16.
Crocker, Ernest C., Belmont, and L. F. Henderson, Reading, assignors to A. D. Little, Incorporated, Cambridge, Mass. Stabilizing soap. 2,073,923; Mar. 16.
Crosby, A. W. (See Tilbury, Lyle C., assignor.)
Crosby, Stephen A., assignor to Parrot Speed Fastener Corporation, New York, N. Y. Stapling machine. 2,073,958; Mar. 16.
Crosby, Stephen A., assignor to Parrot Speed Fastener Corporation, New York, N. Y. Stapling machine. 2,073,959; Mar. 16.
Crosby, Stephen A., assignor to Parrot Speed Fastener Corporation, New York, N. Y. Anvil for stapling machines. 2,073,960; Mar. 16.
Crosley Radio Corporation, The. (See Bird, William L., assignor.)
Crouse-Hinds Company. (See Brandenburger, Herbert J., assignor.)
Crown Cork & Seal Company. (See McManus, Charles E., assignor.)
Crown Cork & Seal Company. (See Parker, Cecil J., assignor.)

Cundall, Lincoln A., Buffalo, assignor to Bagpak, Inc., New York, N. Y. Shearing apparatus for taped bags and the like. 2,074,167; Mar. 16.

D. & B. Electrical Company, Limited. (See Downing, Jeremiah A., assignor.)

Daimler Benz Aktiengesellschaft. (See Wagner, Max, assignor.)

Dalkowitz, Godfrey, New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Blade inspection method and apparatus. 2,073,832; Mar. 16.

Dällenbach, Walter, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Mea", Utrecht, Netherlands. Ultra-short wave tube. 2,074,253; Mar. 16.

Dallos, Max, assignor of one-half to M. Gluck, Budapest, Hungary. Device on double warp rib frames for producing pattern stripes running in zig-zag lines in the fabric. 2,073,961; Mar. 16.

Danel, Pierre F., Grenoble, France, assignor to Ateliers Neyret-Beylier & Piccard-Pictet. Controlling flume. 2,073,610; Mar. 16.

Dannenberg, Frank, J. L. Frank, and A. Groth, Rochester, N. Y. Advertising display device. 2,073,986; Mar. 16.

Danuser, Caflisch, Zurich, and F. C. Danuser, Trogen, Switzerland. Engine temperature control device. 2,074,168; Mar. 16.

Danuser, Felix C. (See Danuser, Caflisch, and F. C.)

Darnell, Victor L., assignor to The Master Electric Company, Dayton, Ohio. Ventilated splashproof motor housing. 2,074,067; Mar. 16.

Dauphinais, Henry C., Valley City, N. Dak. File and record system. 2,074,105; Mar. 16.

Davis, Ernest W., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,074,143; Mar. 16.

Day, Louis J., Floral Park, N. Y., assignor to Josam Manufacturing Company, Cleveland, Ohio. Method and apparatus for circulating water in swimming pools. 2,073,784; Mar. 16.

Dearborn, Richard J., Summit, and W. P. Gee, Plainfield, N. J., assignors to The Texas Company, New York, N. Y. Solvent refining of lubricating oil. 2,074,254; Mar. 16.

De Bothezat, George, New York, N. Y. Air conditioner. 2,073,833; Mar. 16.

Dechant, Francis L., Racine, Wis. Electron discharge amplifier. 2,074,047; Mar. 16.

Deem, Katherine V., Buffalo, N. Y. Conduit cleaner. 2,074,213; Mar. 16.

De Filippis, Raymond, Brooklyn, N. Y. Brake. 2,073,626; Mar. 16.

De Motte, Maurice P., Indianapolis, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Acetylene generator feed valve vibrator. 2,073,785; Mar. 16.

Deremer, Earl D., et al. (See Suydam, William F., assignor.)

Dickson, William McI., Woodside, Del., assignor to General Chemical Company, New York, N. Y. Fungicides. 2,074,169; Mar. 16.

Diescher, August P., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa. Mandrel for forming tubes. 2,074,048; Mar. 16.

Diescher Tube Mills, Inc. (See Diescher, August P., assignor.)

Dimmick, Glenn L., Westmont, N. J., assignor to Radio Corporation of America. Photographic recording of sound. 2,074,049; Mar. 16.

Dion, William A., Plainville, assignor to Evans Case Company, North Attleboro, Mass. Cigarette case. 2,073,962; Mar. 16.

Disston, Henry, and Sons, Inc. (See Allen, Henry B., assignor.)

Dobeckmun Company, The. (See Schmidt, David, assignor.)

Dodson, David A., Washington, D. C. Rotary eraser. 2,074,255; Mar. 16.

Doherty Research Company. (See Brandt, David G., assignor.)

Dolan & Bullock. (See Bullock, Frederick A., assignor.)

Dominion Engineering Works Limited. (See Welsford, H. G., and Ulmann, assignors.)

Domogalla, Bernhard P., Madison, Wis. Sewage treating process. 2,074,082; Mar. 16.

Doty, Edmund F., Belleville, N. J. Priming means for centrifugal pumps. 2,073,733; Mar. 16.

Doutt, Owen, assignor to General Spring Bumper Corporation, Detroit, Mich. Polishing machine. 2,073,786; Mar. 16.

Downing, Jeremiah A., Cork, Irish Free State, assignor to D. & B. Electrical Company Limited, London, England. Electrical storage cell. 2,073,734; Mar. 16.

Draeger, Rubert H., United States Navy. Adjustable film gate. 2,073,627; Mar. 16.

Dresser, S. R., Manufacturing Company. (See Bahr, C. C., and Pfefferle, assignors.)

Dreyfus, Henry, London, England. Manufacture of fatty acid anhydrides. 2,073,685; Mar. 16.

Dreyfus, Henry, London, England. Manufacture of fatty acid anhydrides. 2,073,686; Mar. 16.

Dreyfus, Henry, London, England. Cellulose derivative products. 2,073,687; Mar. 16.

Drigard Products Corporation. (See Gardthausen, John H., assignor.)

Drummondville Cotton Company Limited. (See Yaxley, John W., assignor.)

Duany, Andrew J., and H. T. Randall, New York, N. Y., said Randall assignor to said Duany. Barrier control system. 2,073,834; Mar. 16.

Du Bois, Ernest, Itterbeek, Chateau de Pierrefonds, Belgium, assignor to International Carbonic Engineering Company, Kennett Square, Pa. Refrigerating cabinet. 2,074,256; Mar. 16.

Duffy, Charles G., Brooklyn, N. Y., assignor to Sealed Joint Products Co. Inc. Building unit and structure formed therefrom. 2,073,735; Mar. 16.

Duffy, Thomas I., Detroit, Mich., assignor to The Westfield Manufacturing Company, Westfield, Mass. Resilient mounting for bicycle wheels. 2,073,736; Mar. 16.

Dunlap, Matthew E., Madison, Wis., dedicated to the free use of the people of the United States of America. Instrument for measuring moisture. 2,073,611; Mar. 16.

Dunn, Carl L., assignor to The Trion Company, Trion, Ga. Hand covering. 2,074,144; Mar. 16.

Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmitting device. 2,074,170; Mar. 16.

Du Pont, E. I., de Nemours & Company. (See Gilbert, Harvey N., assignor.)

Du Pont, E. I., de Nemours & Company. (See Harrison, Paul E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Harrison, P. E., and Hitt, assignors.)

Du Pont, E. I., de Nemours & Company. (See Hemming, Charles B., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hill, Julian W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Muckenfuss, Anthony M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Schulze, Ferdinand, assignor.)

Du Pont, E. I., de Nemours & Company. (See Stradley, James H., assignor.)

Du Pont, E. I., de Nemours & Company. (See Tinker, J. M., and Weinmayr, assignors.)

Du Pont, E. I., de Nemours & Company. (See Wernlund, Christian J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Whelen, Myron S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Wuertz, Alexander J., assignor.)

Dwyer, William J., San Francisco, Calif. Ventilated rubber cushion heel pad. 2,074,050; Mar. 16.

Eaton Manufacturing Company. (See Voorhies, Carl, assignor.)

Eclipse Machine Company. (See Maurer, Paul H., assignor.)

Eden, Harold W., assignor of one-third to A. M. Callman and one-third to A. A. Abrams, Chicago, Ill. Device for internal combustion engines. 2,074,083; Mar. 16.

Edmonson, Columbus F., Millersview, Tex. Stock dehorner. 2,074,214; Mar. 16.

Edwards, Henry H., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Antifriction bearing and seal. 2,073,963; Mar. 16.

Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Piston. 2,073,866; Mar. 16.

Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Making a wheel. 2,073,924; Mar. 16.

Electrical Testing Laboratories. (See Gray, Samuel M., assignor.)

Electricooker, Inc. (See Bushway, George H., assignor.)

Elgin Manufacturing Company. (See Baldwin, Harold R., assignor.)

Ellestad, Gerhard A., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,074,084; Mar. 16.

Ellis, Charles E., Reading, Pa., assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Address plate. 2,073,628; Mar. 16.

Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of textile materials. 2,073,629; Mar. 16.

Ellison, Carl E., Norrkoping, Sweden. Teat-cup for milking machines. 2,073,737; Mar. 16.

Emmerling, Anson A., Schenectady, N. Y., assignor to General Electric Company. Electric circuit control means. 2,074,145; Mar. 16.

Ernst, Hans, and M. E. Martellotti, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Vibrating tool metalworking machine. 2,074,257; Mar. 16.

Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)

Euclid Road Machinery Company, The. (See Armington, Arthur P., assignor.)

Evans Case Company. (See Dion, William A., assignor.)

Faber, John P. (See Robinson, A. P., and Faber.)

Faber, Otto, Kenmore, N. Y. Evaporating apparatus. 2,073,738; Mar. 16.

Fairbanks, Morse & Company. (See Schou, Theodor, assignor.)

Farrington, Bruce B. (See Humphreys, R. L., and Farrington.)

Farrington, Charles E., Phoenixville, Pa. Portable agitator. 2,073,925; Mar. 16.

Favatt, Angel C., Reno, Nev., assignor to Positive Lock Nut Corporation. Nut lock. 2,073,612; Mar. 16.

Federal Electric Company. (See Hammar, Herbert G., assignor.)

Feigenbaum, Harriet A., Minneapolis, Minn. Repairing and lengthening finger nails. 2,073,867; Mar. 16.

Feidmühle A. G. vormals Loeb Schoenfeld & Co. Rorschach. (See Grauer, Theodor, assignor.)

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Pump or motor. 2,074,068; Mar. 16.

Ferro Stamping and Manufacturing Company. (See Roethel, John H., assignor.)

Finley, Walter H., and C. H. Hamilton, Nashville, Tenn. Flush tank apparatus. 2,073,835; Mar. 16.

Firestone Steel Products Comany, The. (See Seltzer, Otto R., assignor.)

Fischer, Lester. (See Lefft, J., and Fischer.)

Fitch, Clyde J., Jersey City, N. J., assignor to International Business Machines Corporation, New York, N. Y. Keyboard control mechanism. 2,074,051; Mar. 16.

Fladeland, John E., Waupun, Wis. Portable electric fan. 2,073,868; Mar. 16.

Flatow, Joseph, and J. Pullman, Brooklyn, N. Y. Abrasive disk. 2,073,739; Mar. 16.

Fleischer, Paul W., Weehawken, N. J., assignor to A. H. Ballist Corporation, Allentown, Pa. Cigar box. 2,074,314; Mar. 16.

Food Machinery Corporation. (See Sharma, Jagan N., assignor.)

Fooks, Herbert C. (See Rask, Olaf S., assignor.)

Forcey, George W. (See Abrams, A., Wagner, and Forcey.)

Forrest, John. (See Barth, W., and Forrest.)

Foss, Laurence M., assignor of one-half to P. K. Guillow, Wakefield, Mass. Bottle stopping machine. 2,073,964; Mar. 16.

Foster, Arthur B. (See Acree, Solomon F., assignor.)

Foster, Leon V., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Metallographic illuminating system and prism therefor. 2,074,106; Mar. 16.

Foster, Theodore W., & Bro. Company. (See Parkin, Winfred T., assignor.)

Fowler, Harold W. (See Mitchell, M. E., Mortensen, and Fowler.)

Frank, John L. (See Dannenberg, F., Frank, and Groth.)

Franks, James B., Jr., Philadelphia, Pa. Fluid control valve. 2,073,836; Mar. 16.

Frantz, Samuel G., Princeton, N. J. Magnetic separator. 2,074,085; Mar. 16.

Fraser Automotive Appliances, Inc. (See Fraser, Ethelbert M., assignor.)

Fraser, Ethelbert M., Yonkers, N. Y., assignor to Fraser Automotive Appliances, Inc. Electromagnetic brake. 2,073,926; Mar. 16.

Fravel, John, Ionia, Mich. Protecting attachment for artificial bait. 2,074,258; Mar. 16.

Freygang, Walter H., Weehawken, assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Aircraft flotation system. 2,073,688; Mar. 16.

Friess, Gustave A., Rye Township, Westchester County, assignor to R. Hoe & Co. Inc., New York, N. Y. Mechanism and method of marking, squeegeeing, and developing printing cylinders. 2,074,218; Mar. 16.

Fritsch, Lewis A., Cincinnati, Ohio. Truss. 2,073,787; Mar. 16.

Fritsche, Rudolf, New York, N. Y. Apparatus for coating lithographic plates. 2,074,171; Mar. 16.

Frudden, Conrad E., Wauwatosa, and W. F. Strehlow, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Motor vehicle. 2,073,613; Mar. 16.

Fry, Edward B., Detroit, Mich. Toilet. 2,074,215; Mar. 16.

Fuller, Arthur D., assignor to National Adhesives Corporation, New York, N. Y. Adhesive composition. 2,073,927; Mar. 16.

Fuller, Frederick L., West Orange, N. J., and S. Brand, Binghamton, assignors to International Business Machines Corp., New York, N. Y. Ten-key adding machine. 2,074,017; Mar. 16.

Gamache, Fernande L., Burlington, Vt. Bread box. 2,073,614; Mar. 16.

Gardner, Percy, assignor to Lever Bias Machine Corporation, New York, N. Y. Adjustable fastening device. 2,074,107; Mar. 16.

Gardner, Willis W., Meriden, Conn. Gas main stopper. 2,073,740; Mar. 16.

Gardthausen, John H., Long Island City, N. Y., assignor, by mesne assignments, to Drigard Products Corporation. Liquid waterproofing composition of matter and method of manufacture. 2,073,630; Mar. 16.

Garnett, Tay. (See Wiley, Joseph R., assignor.)

Garvey, John C., and A. A. Kreblin, Milwaukee, Wis. Building wall structure. 2,073,788; Mar. 16.

Gaspar, Béla, Berlin, Germany. Photographic material for producing dyestuff images. 2,074,259; Mar. 16.

Gassen, Josef, Dusseldorf-Oberkassel, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Reel for coiling wire. 2,073,928; Mar. 16.

Gaus, George E., Washington, D. C., dedicated to the free use of the public. Holder for bale identification tags. 2,074,069; Mar. 16.

Gay, Jacob D., Jr., Pine Grove, Ky. Tractor attachment for harvesters. 2,073,987; Mar. 16.

Gee, Govan, Winchmore Hill, London, England. Apparatus for delivering change. 2,073,789; Mar. 16.

Gee, William P. (See Dearborn, R. J., and Gee.)

Geigy, J. R., A. G. (See Krebser, Adolf, assignor.)

Gemmer Manufacturing Company. (See Marles, Henry, assignor.)

General Battery Supply Company. (See Williams, D. E., and Whiteside, assignors.)

General Chemical Company. (See Dickson, William M., assignor.)

General Chemical Company. (See Mullen, Edwin J., assignor.)

General Electric Company. (See Buell, Roy C., assignor.)

General Electric Company. (See Emmerling, Anson A., assignor.)

General Electric Company. (See Mead, Milton S., Jr., assignor.)

General Electric Company. (See Nowacki, Leo M., assignor.)

General Electric Company. (See Rich, Theodore A., assignor.)

General Electric Company. (See Warner, Wilbur W., assignor.)

General Electric Company. (See Welch, Alfred F., assignor.)

General Electric Company. (See Whitesel, Harry A., assignor.)

General Motors Corporation. (See Brouwer, Rodger D., assignor.)

General Motors Corporation. (See Chryst, William A., assignor.)

General Motors Corporation. (See Edwards, Henry H., assignor.)

General Motors Corporation. (See Gibson, J. Lowell, assignor.)

General Motors Corporation. (See Henney, Charles F., assignor.)

General Motors Corporation. (See Mapes, C. W., Bradford, and Sleeter, assignors.)

General Motors Corporation. (See Smith, Hugh R., assignor.)

General Motors Corporation. (See Stickel, Carl A., assignor.)

General Spring Bumper Corporation. (See Doutt, Owen, assignor.)

Geophysical Research Corporation. (See Bills, Robert N., assignor.)

George, Leonard B., Staten Island, N. Y., assignor, by mesne assignments, to Butterworth System, Incorporated. Apparatus for cleaning the interior of tanks. 2,074,052; Mar. 16.

Gerlach, Adolf. (See Bauer, W., and Gerlach.)

Germantown Trust Company, executor. (See Vawter, Charles E.)

Gerow, Percy R., Graysville, Manitoba, Canada. Safety gauge for batteries. 2,074,260; Mar. 16.

Gerrard Company, The. (See McFaul, Joseph H., assignor.)

Ghent, William E., assignor to Boggs Manufacturing Corporation, Atlanta, N. Y. Article cleaning and sorting machine. 2,073,837; Mar. 16.

Gibson, J. Lowell, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,073,741; Mar. 16.

Gilbert, Harvey N., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal recovery. 2,073,631; Mar. 16.

Gilson, Dayton H., Rushville, Ind. Corn sheller. 2,073,742; Mar. 16.

Gledhill, Walter, Huddersfield, England. Weft-replenishing loom for weaving. 2,073,988; Mar. 16.

Glen, Robert R., Anglet, France, assignor to Glen's Patents and Holdings, Inc., New York, N. Y. Ship's signaling system. 2,074,172; Mar. 16.

Glen, Robert R., Anglet, France, assignor to Glen's Patents and Holdings, Inc., New York, N. Y. Loudspeaker and the like. 2,074,173; Mar. 16.

Glen's Patents and Holdings, Inc. (See Glen, Robert R., assignor.)

Glidden Company, The. (See Turnbull, Edward D., assignor.)

Gloo, E., Corporation of America, The. (See Kalbitzer, George W., Jr., assignor.)

Gluck, Max. (See Dallos, Max, assignor.)

Goeddertz, Henry, Denver, Colo. Automobile trunk. 2,074,176; Mar. 16.

Goldstein, Harry, New York, N. Y. Garment. 2,073,929; Mar. 16.

Goodier, James N., assignor to Ontario Research Foundation, Toronto, Ontario, Canada. Viscosimeter. 2,074,174; Mar. 16.

Goodier, James N., assignor to Ontario Research Foundation, Toronto, Ontario, Canada. Viscosimeter. 2,074,175; Mar. 16.

Goodwin, William N., Jr., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Photographic exposure meter. 2,073,790; Mar. 16.

Goodyear, William H., Carlisle, Pa., assignor to G. R. Kinney Co., Inc., New York, N. Y. Shoe. 2,074,121; Mar. 16.

Gotzinger, Georg, Detroit, Mich. Concealed hinge. 2,073,689; Mar. 16.

Gould & Eberhardt. (See Zimmermann, William F., assignor.)

Govil, Hari G., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical font. 2,074,216; Mar. 16.

Graef, Rudolf A., Laurys Station, Pa. Fly catcher. 2,073,791; Mar. 16.

Graeper, Walter W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Colorimeter plunger. 2,074,086; Mar. 16.

Graham, George M., Detroit, assignor to Hinckley-Myers Company, Jackson, Mich. Wheel aligner. 2,074,108; Mar. 16.

Granberg Meter Corporation. (See Saarinen, Armas J., assignor.)

Grant, Harry C., Jr., assignor to Walter Kidde & Company, Inc., New York, N. Y. Supervised electric system. 2,074,261; Mar. 16.

Grant, Harry C., Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Supervised electric alarm system. 2,074,262; Mar. 16.

Grau, Herbert E., Vernon, assignor to Byron Jackson Co., Los Angeles, Calif. Split collar type elevator. 2,074,109; Mar. 16.

Grauer, Theodor, Horn, assignor to the firm Feldmühle A. G. vormals Loeb Schoenfeld & Co. Rorschach, Rorschach, Switzerland. Winding carrier for freshly spun threads of artificial silk. 2,074,217; Mar. 16.

Graul, Joseph P., Dallas, Tex. Abrading tool. 2,074,177; Mar. 16.

Gray, Carl C., Minneapolis, and H. L. Johnson, St. Paul, Minn. Feed mechanism. 2,073,792; Mar. 16.

Gray, Leil L., Minneapolis, Minn. Specialized lubrication system and means. 2,073,930; Mar. 16.

Gray, Samuel M., Yonkers, assignor to Electrical Testing Laboratories, New York, N. Y. Apparatus for detecting strain in glass of a partially diffusing character. 2,073,690; Mar. 16.

Gray, Samuel M., Yonkers, assignor to Electrical Testing Laboratories, New York, N. Y. Apparatus for detection of strain in diffusive glass. 2,073,691; Mar. 16.

Green, Samuel G., Gray, Ga. Cartridge feeding mechanism for automatic guns. 2,073,632; Mar. 16.

Greene, Albert J., assignor, by mesne assignments, to Universal Manufacturing Co., Decatur, Ill. Display stand. 2,074,178; Mar. 16.

Greene, Chester W., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pressing the bottoms of shoes. 2,073,633; Mar. 16.

Greenwald, Willard F. (See Weisberg, L., and Greenwald, assignors.)

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Control mechanism. 2,073,692; Mar. 16.

Gross, Carl G., Mount Vernon, assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y. Hair drying apparatus. 2,074,018; Mar. 16.

Groth, Alfred, Gera, Germany. Pile wire spoon with exchangeable blade. 2,074,053; Mar. 16.

Groth, Archibald. (See Dannenberg, F., Frank, and Groth.)

Grower, William F., et al., trustees. (See Pratt, Harry P., assignor.)

Gruenberger, Otto, Milwaukee, Wis. Automatic starter for internal combustion engines. 2,074,110; Mar. 16.

Guillow, Paul K. (See Foss, Laurence M., assignor.)

Gyger, Wayne, assignor to Ottawa Silica Company, Ottawa, Ill. Car trimmer. 2,073,793; Mar. 16.

Haddock, Norman H., F. Lodge, and C. H. Lumsden, Blackley, Manchester, England, assignors to Imperial Chemical Industries, Limited. Anthraquinone dyestuffs. 2,074,179; Mar. 16.

Halmagyi, John. (See Langer, Nicholas, assignor.)

Hamilton, Charles H. (See Finley, W. H., and Hamilton.)

Hammar, Herbert G., assignor to Federal Electric Company, Inc., Chicago, Ill. Sign. 2,073,975; Mar. 16.

Hammer-Bray Company. (See Huetteman, G. A., and Leonard, assignors.)

Hammond, Elmer H., Southport, and R. Beck, assignors to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn. Pneumatic control system. 2,073,838; Mar. 16.

Hanauer, Darwin, La Grange, assignor to Nachman Spring-Filled Corporation, Chicago, Ill. Spring base seating furniture frame. 2,073,693; Mar. 16.

Hansen, Hans P., New York, N. Y. Steering facilities of an automobile. 2,073,931; Mar. 16.

Hardwicke-Etter Company. (See Streun, John A., assignor.)

Harris, Junius B., Jr., and C. B. Bowman, Berkeley, Calif. Signal device. 2,074,263; Mar. 16.

Harris, Robert E., Fort Thomas, Ky., assignor to Cin-Made Corporation, Cincinnati, Ohio. Humidor. 2,074,122; Mar. 16.

Harris, Sidney E. (See Christiansen, W. G., Harris, and Lee.)

Harrison, Paul E., Donelson, Tenn., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinning bucket. 2,073,840; Mar. 16.

Harrison, Paul E., Donelson, and I. V. Hitt, Old Hickory, Tenn., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of thread. 2,073,839; Mar. 16.

Hart, Richard H., assignor of one-half to G. D. Thornton, Jr., Huntington, W. Va. Time switch. 2,073,743; Mar. 16.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,073,794; Mar. 16.

Hatley, Fred J., Maywood, Ill. Tennis ball holder. 2,074,180; Mar. 16.

Haugaard, Robert D., Toledo, Ohio. Attaching means for wall facings. 2,073,795; Mar. 16.

Hawley, George W., Colorado Springs, Colo., assignor to Scanlan-Morris Company, Madison, Wis. Surgical table. 2,073,932; Mar. 16.

Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Bumper post. 2,073,694; Mar. 16.

Hayes Track Appliance Company. (See Hayes, Stanley W., assignor.)

Haysler, Ernest. (See Haysler, Kenneth, and E.)

Haysler, Kenneth, and E., Kansas City, Mo. Flowerpot and making same. 2,073,695; Mar. 16.

Heffelfinger, Paul E. (See Jung, O. H., and Heffelfinger.)

Heichert, Herman S., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Surfacing machine for plate glass. 2,074,111; Mar. 16.

Heilbron, Isidor M., Manchester, England, and F. Irving, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited. Benzanthrone derivatives. 2,074,181; Mar. 16.

Heim, Lewis R., Mount Dora, Fla. Bearing construction. 2,074,182; Mar. 16.

Heinze, William A. (See Victor, J. H., and Heinze.)

Heidenbrand, Rae N., San Diego, Calif. Collar attaching means. 2,073,989; Mar. 16.

Hemming, Charles B., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,073,796; Mar. 16.

Henderson, Lloyd F. (See Crocker, E. C., and Henderson.)

Henney, Charles F., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigeration. 2,073,744; Mar. 16.

Herbst, Philip J., Pennsauken, N. J., assignor to Radio Corporation of America. Radio frequency distribution system. 2,073,933; Mar. 16.

Hercules Powder Company. (See Schnorf, Paul, assignor.)

Herdieckerhoff, Ernst. (See Bayer, O., Herdieckerhoff, and Schindhelm.)

Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Holder for spinning rings. 2,074,054; Mar. 16.

Herr Manufacturing Company. (See Herr, Harvey E., assignor.)

Herrington, George S., et al., trustees. (See Pratt, Harry P., assignor.)

Hershman, Paul R., assignor to Petro Chemical Company, Chicago, Ill. Reagent and process for treating crude oils. 2,074,183; Mar. 16.

Herthel, Eugene C., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Art of cracking. 2,073,934; Mar. 16.

Hewel, Frank B., Pittsburgh, Pa. Golf practice device. 2,074,146; Mar. 16.

Hilditch, Thomas P., Brownlow Hill, Liverpool, and J. G. Rigg, Wallasey, England, assignors to Imperial Chemical Industries Limited. Manufacture of glycerides of fatty acids. 2,073,797; Mar. 16.

Hilker, Edward C. (See Bodnovich, John, assignor.)

Hill-Clark Machinery Co. (See Wigglesworth, Albert W., assignor.)

Hill, Julian W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of hydroxy acids and the product thereof. 2,073,799; Mar. 16.

Hillman, Albert G., London, England. Production of cinematographic effects in color and means therefor. 2,073,798; Mar. 16.

Hinckley-Myers Company. (See Graham, George M., assignor.)

Hinde and Dauch Paper Company, The. (See Loth Gaylord, assignor.)

Hisey-Wolf Machine Company, The. (See Kiefer, Albert, assignor.)

Hitt, Ira V. (See Harrison, P. E., and Hitt.)

Hodnefield, Olaus T., and W. W. Shartel, Los Angeles, Calif., said Shartel assignor to said Hodnefield. Impregnating composition. 2,073,634; Mar. 16.

Hoe, R., & Co. Inc. (See Friess, Gustave A., assignor.)

Hofstötter, Franz, Zurich, Switzerland. Gas mask. 2,074,219; Mar. 16.

Holdsworth, Richard A. (See Penley, B. S., and Holdsworth.)

Holdsworth, Richard A., Bayside, assignor to The Barrett Company, New York, N. Y. Process and apparatus for surfacing roofing. 2,074,147; Mar. 16.

Holland, Louis E., Kansas City, Mo. Apparatus for electrical etching. 2,074,220; Mar. 16.

Holland, Louis E., Kansas City, Mo. Etching plates. 2,074,221; Mar. 16.

Holland, Louis E., Kansas City, Mo. Apparatus for etching plates. 2,074,222; Mar. 16.

Holoubek, Edward, Roy, Mont. Compartment tray for packaging food. 2,073,635; Mar. 16.

Holoubek, Edward, Roy, Mont. Compartment can for packaging foods. 2,073,636; Mar. 16.

Holst, Arnold. (See Cole, E. S., and Holst.)

Homan, Frank G., Lincoln County, S. Dak. Door hinge. 2,074,112; Mar. 16.

Hoorn, Frederick W., Washington, D. C. Motion picture system utilizing continuously moving film. 2,073,637; Mar. 16.

Horiuchi, Fred T., New York, N. Y. Blood transfusion apparatus. 2,074,223; Mar. 16.

Hott, Ion, Von K., assignor to The Joyce-Cridland Company, Dayton, Ohio. Multipost lift. 2,074,148; Mar. 16.

Houdry, Eugene J., Paris, France, assignor to Houdry Process Corporation, Dover, Del. Apparatus for regeneration of contact masses. 2,073,638; Mar. 16.

Houdry Process Corporation. (See Houdry, Eugene J., assignor.)

Houdry Process Corporation. (See Prickett, Thomas B., assignor.)

Hovey, Gertrude M., Kansas City, Mo. Thumb or finger guard. 2,074,113; Mar. 16.

Huetteman, Gustav A., and J. E. Leonard, assignors to Hammer-Bray Company, Ltd., Oakland, Calif. Flame spreader. 2,074,087; Mar. 16.

Humphreys, Robert L., and B. B. Farrington, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Extreme pressure lubricating compositions. 2,073,841; Mar. 16.

Hutchings, Charles A. (See O'Donnell, Cornelius, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Bayer, O., Herdieckerhoff, and Schindhelm, assignors.)

Imperial Chemical Industries Limited. (See Haddock, N. H., Lodge, and Lumsden, assignors.)

Imperial Chemical Industries Limited. (See Heilbron, I. M., and Irving, assignors.)

Imperial Chemical Industries Limited. (See Hilditch, T. P., and Rigg, assignors.)

Imperial Chemical Industries Limited. (See Taylor, J., and Young, assignors.)

Imperial Chemical Industries Limited. (See Wormald, Alec, assignor.)

Industrial Improvements, Incorporated. (See Kirby, James B., assignor.)

Ingersoll-Rand Company. (See Kirgan, John, assignor.)

Interlake Iron Corporation. (See Clair, Edward L, assignor.)

International Business Machines Corporation. (See Fitch, Clyde J., assignor.)

International Business Machines Corp. (See Fuller, F. L., and Brand, assignors.)

International Business Machines Corporation. (See Lemmon, Walter S., assignor.)

International Business Machines Corporation. (See Tauschek, Gustav, assignor.)

International Business Machines Corporation. (See Von Pein, Edward J., assignor.)

International Business Machines Corporation. (See Von Pein, E. J., and Schlessiger, assignors.)

International Business Machines Corporation. (See Watson, Glenn W., assignor.)

International Carbonic Engineering Company. (See Du Bois, Ernest, assignor.)

International Engineering Corporation. (See Bendix, V., Boothby, and Smalley, assignors.)

Inventors' Products Company. (See Stockton, Thomas, assignor.)

Irving, Francis. (See Heilbron, I. M., and Irving.)

Irwin, Samuel J., St. Lambert, Quebec, Canada. Fastening means for insulating material. 2,074,055; Mar. 16.

Jackson, Alden B., Fort Wayne, Ind. Folding table. 2,074,123; Mar. 16.

Jackson, John G., assignor to Square D Company, Detroit, Mich. Magnetic blow-out device. 2,073,965; Mar. 16.

Jacobs Bros. Co. Inc., The. (See Walker, Harold L., assignor.)

Jacobs, Joseph H., Minneapolis, Minn. Propeller tip centrifugal pitch control. 2,074,149; Mar. 16.

Jacoby, Meyer, New York, N. Y. Wig. 2,073,869; Mar. 16.

Jakoubek, Frank J. (See Templeton, W. B., and Jakoubek.)

Johns, George McD., Robyn, and Denny Roads, near Sappington, Mo. Coin controlled vending apparatus. 2,073,870; Mar. 16.

Johnson, Carl, Maplewood, N. J., assignor to Oakite Products, Inc. Drawing wire. 2,074,224; Mar. 16.

Johnson, Harry L. (See Gray, C. C., and Johnson.)

Johnson, Walden G., and R. C. Zapfe, assignors to Pomona Tile Manufacturing Company, Pomona, Calif. Production of tiles. 2,073,615; Mar. 16.

Johnston, James W., Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y. Blank measuring and sorting machine. 2,073,696; Mar. 16.

Johnston, James W., Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y. Blank measuring and sorting machine. 2,073,697; Mar. 16.

Josam Manufacturing Company. (See Day, Louis J., assignor.)

Joyce-Cridland Company, The. (See Hott, Ion Von K.)

Jung, Oscar H., and P. E. Heffelfinger, assignors to Trico Fuse Manufacturing Co., Milwaukee, Wis. Cartridge fuse. 2,074,056; Mar. 16.

Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 2,073,966; Mar. 16.

Kalbitzer, George W., Jr., assignor to The E. Gloo Corporation of America, Los Angeles, Calif. Vending machine. 2,073,698; Mar. 16.

Kalla, Alexander, Sr., Linden, N. J. Window. 2,073,745; Mar. 16.

Kallam, Floyd L. (See Smith, Sydney S., assignor.)

Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Making trimming strips. 2,074,264; Mar. 16.

Kates, Hyman G. (See Rodin, Matthias, assignor.)

Katz, Harry, New York, N. Y. Slip. 2,073,699; Mar. 16.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Treating rubber rolls. 2,073,895; Mar. 16.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 2,073,935; Mar. 16.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,073,936; Mar. 16.

Kay Manufacturing Corporation. (See Krakauer, Abraham, assignor.)

Keilholtz, Lester S., Detroit, Mich. Device for using solid refrigerant to effect rapid cooling of small enclosed spaces. 2,073,700; Mar. 16.

Keller, Henry, Astoria, assignor to The Best Foods, Inc., New York, N. Y. Bottle cleaning device. 2,073,746; Mar. 16.

Kelis, Benjamin F., Cincinnati, Ohio, assignor to Container Corporation of America, Chicago, Ill. Holder for yarn cones and the like. 2,073,842; Mar. 16.

Kempe, Paul, Milwaukee, Wis. Fishhook release. 2,074,057; Mar. 16.

Kern, Jean G., Hamburg, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Vat dye assistants, and method of using. 2,074,150; Mar. 16.

Ketchpel, Paul A., West Englewood, N. J., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Combined stoker and fire door. 2,074,124; Mar. 16.

Kidde, Walter, & Company. (See Freygang, Walter H., assignor.)

Kidde, Walter, & Company. (See Grant, Harry C., Jr., assignor.)

Kiefer, Albert, assignor to The Hisey-Wolf Machine Company, Cincinnati, Ohio. Bolt turning machine and the like. 2,073,967; Mar. 16.

King, Frank O., Kissimmee, Fla. Optical illusion effects or the like. 2,074,297; Mar. 16.

King, Wade, Glencoe, N. Mex. Surgical device. 2,073,800; Mar. 16.

Kinney, G. R., Co. (See Goodyear, William H., assignor.)

Kirby, James B., West Richfield, assignor to Industrial Improvements, Incorporated, Cleveland, Ohio. Air conditioning apparatus. 2,074,265; Mar. 16.

Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Vapor compressor. 2,074,184; Mar. 16.

Kliesrath, Victor W., South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill. Spring suspension. 2,073,639; Mar. 16.

Kliesrath, Victor W., South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill. Engine. 2,073,871; Mar. 16.

Kliesrath, Victor W., South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill. Vehicle. 2,073,872; Mar. 16.

Kliesrath, Victor W., South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill. Spring suspension. 2,073,873; Mar. 16.

Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,073,874; Mar. 16.

Knowlton, Theodore E. (See Benner, R. C., Knowlton, and Wooddell.)

Koca, James F., assignor to Woodstock Typewriter Company, Woodstock, Ill. Key lever adjusting mechanism. 2,073,843; Mar. 16.

Koch, Felix, Bellevue, assignor to Pressed Steel Car Company, McKees Rocks, Pa. Container. 2,073,990; Mar. 16.

Koch, Fritz, St. Ouen-sur-Seine, France, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Acoustic warning device. 2,074,266; Mar. 16.

Koroncai, Rudolph S. (See Koroncai, Victor L. and R. S.)

Koroncai, Victor L. and R. S., Cleveland, Ohio. Adjustable soundboard mounting. 2,073,747; Mar. 16.

Koser, Edward J., Mason City, Iowa. Filter. 2,073,991; Mar. 16.

Krakauer, Abraham, assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Studio couch. 2,074,019; Mar. 16.

Kreblin, Adolph A. (See Garvey, J. C., and Kreblin.)

Krebs, Carl C., Columbus, Ohio. Highway marker. 2,073,968; Mar. 16.

Krebser, Adolf, Riehen, near Basel, assignor to the firm J. R. Geigy, A. G., Basel, Switzerland. Azo dyestuffs and their manufacture. 2,074,225; Mar. 16.

Krehbiel, Walter D. (See Beckman, Ernest E., assignor.)

Kunz, Josef, and F. Urbach, Vienna, Austria, said Urbach assignor to said Kunz. Method of and apparatus for rendering objects visible in infrared rays. 2,074,226; Mar. 16.

Kurtz, Henry F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for producing orthostereoscopic representations. 2,074,088; Mar. 16.

Kyrides, Lucas P., Webster Groves, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Esters of polycarboxylic aromatic acids. 2,073,937; Mar. 16.

Kyrides, Lucas P., Webster Groves, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Solvent and plasticizing composition. 2,073,938; Mar. 16.

L. C. L. Corporation, The. (See Woodruff, Graham C., assignor.)

Lair, Berton M., Eaton, Colo. Beet digging attachment for tractors. 2,073,939; Mar. 16.

Laird, Walter J. (See Vawter, Charles E., assignor.)

Landon, Vernon D., Collingswood, and W. H. Conron, Haddonfield, N. J., assignors to Radio Corporation of America. Coil mounting system for high frequency circuits. 2,073,940; Mar. 16.

Langer, Nicholas, New York, N. Y., assignor of sixty-six and two-thirds percent to J. Halinagyi, Budapest, Hungary. Control device for electrical musical instruments. 2,074,151; Mar. 16.

Langhammer, Anthony J., and W. G. Calkins, assignors to Chrysler Corporation, Detroit, Mich. Heat treating porous metal structures. 2,074,185; Mar. 16.

Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Flasher. 2,073,969; Mar. 16.

Larsson, Thure, assignor to Norton Company, Worcester, Mass. Segmental grinding wheel. 2,074,114; Mar. 16.

La Soudure Electrique Autogène Société Anonyme. (See Schmerber, Raoul J., assignor.)

Lauritz, Thor, Los Angeles, Calif. Camera. 2,073,640; Mar. 16.

Lavine Gear Company. (See Twyman, B. Wickliffe, assignor.)

Lazzarini, Eugen, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Time-lag cathode circuit arrangement. 2,073,701; Mar. 16.

Lee, Clarence L., New York, N. Y. Trousers. 2,074,070; Mar. 16.

Lee, John. (See Christiansen, W. G., Harris, and Lee.)

Leeds and Northrup Company. (See Ross, Raymond W., assignor.)

Leeds & Northrup Company. (See Ross, R. W., and Seberhagen, assignors.)

Leeds & Northrup Company. (See Schofield, William R., Jr., assignor.)

Leeds & Northrup Company. (See Stein, Irving M., assignor.)

Left, Joseph, and L. Fischer, Brooklyn, N. Y. Goal post. 2,074,125; Mar. 16.

Le Fly Tox. (See Ripert, Jean, assignor.)

Lemmon, Walter S., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Coding and decoding apparatus. 2,074,058; Mar. 16.

Leonard, Joseph E. (See Huetteman, G. A., and Leonard.)

Lever Bias Machine Corporation. (See Gardner, Percy, assignor.)

Lever Brothers Company. (See Andersen, Carl N., assignor.)

Lewis, John F., and C. W. Moseley, assignors to R. H. Bouligny, Inc., Charlotte, N. C. Stop motion for spinning frames. 2,074,059; Mar. 16.

Lewis, Lloyd V., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,073,748; Mar. 16.

Liberthson, Leo, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Lubricating oils. 2,073,641; Mar. 16.

Linden, Herbert E., Beverly Hills, Calif. Renewable cutting edge. 2,073,801; Mar. 16.

Link-Belt Company. (See Maurer, Albrecht, assignor.)

Link-Belt Company. (See Sayers, W. W., Bergmann, and Watson, assignors.)

Linsell, Alfred A., London, England, assignor to Radio Corporation of America. Ultrashort wave modulated carrier wave radio communication system. 2,073,642; Mar. 16.

Linsell, Alfred A., London, England, assignor to Radio Corporation of America. Ultrashort wave modulated carrier wave radio communication system. 2,073,643; Mar. 16.

Little, Arthur D., Incorporated. (See Crocker, E. C., and Henderson, assignors.)

Lodge, Frank. (See Haddock, N. H., Lodge, and Lumsden.)

Loetscher, Emil C., Dubuque, Iowa. Hollow panel. 2,073,896; Mar. 16.

Loetscher, Emil C., Dubuque, Iowa. Panel fastener. 2,073,897; Mar. 16.

Löf, Emil, Stockholm, Sweden. Frame saw. 2,073,898; Mar. 16.

Loimann, Anton, Chemnitz, Germany. Jacquard covering and tuck pattern device for flat hosiery frames. 2,074,089; Mar. 16.

Longdin, Harry W., Atlanta, and J. C. Stanley, East Point, Ga. Fillerstractor. 2,074,267; Mar. 16.

Lorraine Manufacturing Company. (See Viens, Henry J., assignor.)

Loth, Gaylord, assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio. Chick box. 2,074,090; Mar. 16.

Lovell Manufacturing Company. (See Kauffman, Walter L., II, assignor.)

Lowe, Earl W., assignor to Mueller Co., Decatur, Ill. Relief valve and testing device. 2,074,268; Mar. 16.

Lowen, Stanley, Bronx, assignor to Patent Tube Corp., New York, N. Y. Container closure. 2,073,941; Mar. 16.

Lowenfels, Albert, White Plains, N. Y. Monogram for automobiles. 2,073,844; Mar. 16.

Lower, Guy O., Sublette, Kans. Agricultural implement. 2,073,992; Mar. 16.

Luckey, Edward H., Kansas City, Mo. Adjustable wrench. 2,074,227; Mar. 16.

Lumsden, Colin H. (See Haddock, N. H., Lodge, and Lumsden.)

Luther, Frank A., Minneapolis, Minn. Plug for washbasins or the like. 2,073,899; Mar. 16.

Lyman Gun Sight Corporation, The. (See Stewart, James S., assignor.)

Lynch, Humphrey J., Oakland, Calif. Air comb. 2,073,970; Mar. 16.

Lyon Cover Company. (See Powell, Burnet J., assignor.)

Lyon, George A., assignor to Lyon Incorporated, Detroit, Mich. Combination spare tire well and cover. 2,073,749; Mar. 16.

Lyon, George A., Detroit, Mich., assignor to Lyon Incorporated, Asbury Park, N. J. Tire cover construction. 2,073,845; Mar. 16.

Lyon Incorporated. (See Lyon, George A., assignor.)

Macdonald, Murdock, Cleveland Heights, Ohio. Ticket holder. 2,073,702; Mar. 16.

MacKinnon, John K., McPherson, Kans. Pressure control valve. 2,074,091; Mar. 16.

Macpherson, Reginald G., Harrogate, England. Darning appliance. 2,073,993; Mar. 16.

Maier, John J., Parma, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Melting furnace. 2,074,115; Mar. 16.

Magnus, George A., and J. R. Whitacre, Dayton, Ohio. Film holder. 2,073,644; Mar. 16.

Mahle, Ernest, Stuttgart, Germany. Light metal piston. 2,074,228; Mar. 16.

Mapes, Clyde W., and Z. C. Bradford, Dayton, and E. B. Sleeter, Warren, Ohio, assignors to General Motors Corporation, Detroit, Mich. Motor mounting. 2,074,092; Mar. 16.

Marathon Paper Mills Company. (See Abrams, A., Wagner, and Forcey, assignors.)

Marathon Paper Mills Company. (See Pierce, Harold E., assignor.)

Marholt, Karl, Vienna, Austria. Hair cutting machine. 2,074,020; Mar. 16.

Markush, Eugene A., Jersey City, N. J., assignor to Pharma Chemical Corporation, New York, N. Y. Insoluble azodyestuffs. 2,074,186; Mar. 16.

Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Adjustment means for steering gears. 2,073,971; Mar. 16.

Martellotti, Mario E. (See Ernst, H., and Martellotti.)

Martin, Harry L., Cartierville, Quebec, Canada. Tourist's map holder. 2,074,298; Mar. 16.

Maschinenfabrik Augsburg-Nurnburg A. G. (See Becher, Theodor, assignor.)

Maschinenfabrik, Augsburg-Nürnberg A. G. (See Brockel, Ernst, assignor.)

Massey, Henry P. (See Adler, Charles S., assignor.)

Master Electric Company, The. (See Darnell, Victor L., assignor.)

Matchless Electric Company. (See Stechbart, Arthur, assignor.)

Maurer, Albrecht, Bad Homburg vor der Hohe, Germany, assignor to Link-Belt Company, Chicago, Ill. Wedge shaped power transmitting member. 2,073,846; Mar. 16.

Maurer, Paul H., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter control. 2,073,645; Mar. 16.

McAdams, William H. (See Weber, H. C., and McAdams.)

McDonald, Roland A., St. Joseph, Mo. Garment protector. 2,074,071; Mar. 16.

McFaul, Joseph H., Chicago, Ill., assignor to The Gerrard Company, Inc. Apparatus for making multiplex fasteners or nails. 2,073,942; Mar. 16.

McFaul, Joseph H., Chicago, Ill., assignor to The Gerrard Company, Inc. Making multiplex fasteners or nails. 2,073,943; Mar. 16.

McGuinness, Bernhard A., Winchester, Mass. Venetian blind. 2,073,972; Mar. 16.

McHugh, Charles J., Indianapolis, Ind., assignor, by mesne assignments, to G. M. Rich. Renewable fuse. 2,074,060; Mar. 16.

McKee, Austin C., Oklahoma City, Okla. Collapsible container. 2,074,229; Mar. 16.

McMahon, Samuel, Durban, Natal, Union of South Africa. Coffeepot. 2,074,230; Mar. 16.

McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Cap. 2,073,750; Mar. 16.

Meacham, Lawrence B., Baltimore, Md. Can and closure therefor. 2,074,231; Mar. 16.

Mead, Milton S., Jr., Schenectady, N. Y., assignor to General Electric Company. Frequency regulating system. 2,074,126; Mar. 16.

Mergenthaler Linotype Company. (See Govil, Hari G., assignor.)

Merrimac Chemical Company. (See Wilson, Ivan V., assignor.)

Metalwash Machinery Company. (See Zademach, Erich R., assignor.)

Meyer, Ulfilas. (See Studt, E., and Meyer.)

Michigan Steel Tube Products Company. (See Berg, Richard O., and S., assignors.)

Micks, Wilmot, North Hamilton, Ontario, Canada, assignor to Scott & Williams, Incorporated, New York, N. Y. Making knitted fabric. 2,073,703; Mar. 16.

Milan, Edward N., assignor to The American Rolling Mill Company, Middletown, Ohio. Annealing cover. 2,074,093; Mar. 16.

Millar, John R. (See Smith, Vivian D., assignor.)

Miller, Gideon D., Springs, Pa. Coal mining apparatus. 2,073,900; Mar. 16.

Miller, William E., assignor to The Viscostat Corporation, Madison, Wis. Fuel oil strainer and preheating device. 2,073,847; Mar. 16.

Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)

Mitchell, Malcolm E., P. E. Mortensen, and H. W. Fowler, Oakland, Calif., said Mitchell assignor to said Mortensen and said Fowler. Making couplings. 2,074,021; Mar. 16.

Mitchell, Walter G., Oak Park, Ill. Drill press. 2,073,704; Mar. 16.

Modine Manufacturing Company. (See Boerger, Martin G., assignor.)

Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)

Moody, Ralph G., United States Navy. Revolution counter. 2,073,646; Mar. 16.

Moore, Harold E., assignor to The Capital City Products Company, Columbus, Ohio. Purifying hydrogen. 2,074,311; Mar. 16.

Moore, Luther S. (See Poate, Frederick W., assignor.)

Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Clutch mechanism. 2,073,705; Mar. 16.

Moritz, Adrian J. L., assignor to American Enka Corporation, Enka, N. C. Process and apparatus for drying artificial silk. 2,074,232; Mar. 16.

Mortensen, Peter E. (See Mitchell, M. E., Mortensen, and Fowler.)

Moseley, Charles W. (See Lewis, J. F., and Moseley.)

Moussette, Oliver J., Sr., Queens Village, N. Y. Combined crusher and screen. 2,074,233; Mar. 16.

Moyer, Wendell W., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Producing nitrosophenols. 2,074,127; Mar. 16.

Muckenfuss, Anthony M., Melrose, Fla., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of hydrocarbon oils. 2,073,973; Mar. 16.

Mueller Co. (See Lowe, Earl W., assignor.)

Mueller Co. (See Wilkins, James M., assignor.)

Mueller, Moritz L., Seattle, Wash. Combined filter and automatic relief damper. 2,074,152; Mar. 16.

Mueller, Robert, Decatur, Ill. Bathtub. 2,074,234; Mar. 16.

Mullen, Edwin J., New Rochelle, assignor to General Chemical Company, New York, N. Y. Production of sulphur dioxide. 2,074,061; Mar. 16.

Müller, Christoph, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H.; Kassel-Wilhelmshohe, Germany. Tubular continuous-flow steam generator. 2,074,235; Mar. 16.

N. V. Machinerieen-en Apparaten Fabrieken "Meaf". (See Dällenbach, Walter, assignor.)

Nachman Spring-Filled Corporation. (See Hanauer, Darwin, assignor.)

Nanfeldt, William, Clifton, assignor to World Bestos Corporation, Paterson, N. J. Woven friction lining. 2,074,128; Mar. 16.

National Adhesives Corporation. (See Fuller, Arthur D., assignor.)

National Aniline and Chermical Company. (See Kern, Jean G., assignor.)

National Malleable and Steel Castings Company. (See Shafer, James A., assignor.)

Neely, Frank R., Allentown, Pa. Box. 2,074,315; Mar. 16.

Neff, Harry A., Bellaire, assignor to The Belmont Casket Mfg. Company, Columbus, Ohio. Panel catch. 2,073,875; Mar. 16.

Netsky, Frank W., assignor to Susquehanna Waist Company, Philadelphia, Pa. Lady's blouse. 2,074,153; Mar. 16.

Neunherz, Herbert W., Gardner, Mass. Assembling frames. 2,073,848; Mar. 16.

Newell, Harold D., Beaver Falls, assignor to The Babcock & Wilcox Tube Company, West Mayfield, Pa. Austenitic ferrous alloys and articles made thereof. 2,073,901; Mar. 16.

Newhall, Carl A., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating applying machine for shoe parts. 2,073,647; Mar. 16.

New Haven Clock Company, The. (See Porter, Wilson E., assignor.)

Newman, Lloyd V., Racine, Wis. Hedge trimmer. 2,074,062; Mar. 16.

Nichols Engineering & Research Corporation. (See Schilling, Frederick B., assignor.)

Niesemann, Fritz, assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Dispensing nozzle. 2,073,751; Mar. 16.

Nordberg Manufacturing Co. (See Talboys, Henry H., assignor.)

Norddeutsche Seekabelwerke A. G. (See Studt, E., and Meyer, assignors.)

North American Holding Corporation. (See Johnston, James W., assignor.)

North American Rayon Corporation. (See Stoeckly, J. J., and Witte, assignors.)

Norton Company. (See Larsson, Thure, assignor.)

Norton, John E., Detroit, Mich., assignor to American Telephone and Telegraph Company. Telephone system. 2,073,752; Mar. 16.

Nottebrock, Heinrich, Berlin-Grunewald, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Rheostat or adjustable resistance and potentiometer with contact members. 2,073,849; Mar. 16.

Novak, John L., assignor to Acmeline Manufacturing Company, Traverse City, Mich. Correlating cap for sprayers and supply cylinders. 2,073,753; Mar. 16.

Nowacki, Leo M., Schenectady, N. Y., assignor to General Electric Company. Synchronizing control system. 2,074,129; Mar. 16.

Oakite Products, Inc. (See Johnson, Carl, assignor.)

O'Connor, Stephen F. (See Brown, M., and O'Connor.)

O'Donnell, Cornelius, assignor of forty-nine per cent to C. A. Hutchings, San Jose, Calif. Dispensing device. 2,074,269; Mar. 16.

Oilgear Company, The. (See Ferris, Walter, assignor.)

Oliver, George T., Kennebunk, Maine. Oil painting restoration. 2,073,802; Mar. 16.

Oliver, Guy C., Glendale, Calif. Core barrel. 2,073,876; Mar. 16.

Oliver, Guy C., Glendale, Calif. Core barrel. 2,073,877; Mar. 16.

Olivetti, Camillo, Ivrea, Italy. Noiseless typewriter. 2,073,902; Mar. 16.

O'Neil, Maurice B., New Orleans, La. Flexible tool. 2,073,903; Mar. 16.

Ontario Research Foundation. (See Goodier, James N., assignor.)

Oppenlaender, Oskar, Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y. Apparatus for spinning rayon and the like. 2,074,022; Mar. 16.

Osteen, Percy C., Anderson, S. C. Turnstile. 2,073,904; Mar. 16.

Osten-Sacken, Irving C., Glen Ridge, N. J., assignor to American Telephone and Telegraph Company. Timing mechanism. 2,073,756; Mar. 16.

Ottawa Silica Company. (See Gyger, Wayne, assignor.)

Overholtz, George D., assignor to The Tiffin Art Metal Company, Tiffin, Ohio. Standing lap seam roofing. 2,073,706; Mar. 16.

Ozlek, Morris, Philadelphia, Pa. Lamp stand. 2,073,754; Mar. 16.

Packard Motor Car Company. (See Edwards, Herbert C., assignor.)

Packard Motor Car Company. (See Griswold, Walter R., assignor.)

Packard Motor Car Company. (See Knapp, Archer W., assignor.)

Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)

Packard Motor Car Company. (See Palmer, Paul J., assignor.)

Packard Motor Car Company. (See Paton, Clyde R., assignor.)

Packard Motor Car Company. (See Tibbetts, Milton, assignor.)

Palmer, Paul J., Grosse Pointe, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,073,878; Mar. 16.

Papendick, Inc. (See Wolf, Anthony H., assignor.)

Parke, Davis & Company. (See Wolf, Emil, assignor.)

Parker, Cecil J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container sealing composition. 2,073,648; Mar. 16.

Parkin, Winfred T., assignor to Theodore W. Foster & Bro. Company, Providence, R. I. Container closure. 2,073,707; Mar. 16.

Parrish, Frank N., Silver City, N. Mex. Roller skate. 2,073,708; Mar. 16.

Parrot Speed Fastener Corporation. (See Crosby, Stephen A., assignor.)

Patent Tube Corp. (See Lowen, Stanley, assignor.)

Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,073,709; Mar. 16.

Patterson, Hutchinson, Milwaukee, Wis. Stove and furnace pipe elbow. 2,074,023; Mar. 16.

Penley, Benjamin S., Yeadon, Pa., assignor to The Barrett Company, New York, N. Y. Process and apparatus for surfacing roofing. 2,074,130; Mar. 16.

Penley, Benjamin S., Yeadon, Pa., and R. A. Holdsworth, Bayside, assignors to The Barrett Company, New York, N. Y. Process and apparatus for surfacing roofing. 2,074,131; Mar. 16.

Pennsylvania Industrial Chemical Corporation. (See Corkery, Frank W., assignor.)

People of the United States of America. (See Dunlap, Matthew E., assignor.)

Perkins, Clarence R., Tacoma, Wash. Press for making wax patterns. 2,073,850; Mar. 16.
Perkins, Eugene J. C., Miami, Fla. Hair drying helmet. 2,074,270; Mar. 16.
Perkins, Julian L., West Springfield, Mass. Wringer. 2,073,974; Mar. 16.
Pestarini, Giuseppe M., Sheffield, England. Dynamo-electric generating apparatus. 2,074,236; Mar. 16.
Peters, Herbert, Aachen, Germany. Method and apparatus for the production of seamless tubing. 2,074,271; Mar. 16.
Petro Chemical Company. (See Hershman, Paul R., assignor.)
Petrosino, Louis. (See Carpentieri, Louis, assignor.)
Pfefferle, George H. (See Bahr, C. C., and Pfefferle.)
Phill, Herman A., River Rouge, Mich. Circulating vent control. 2,074,024; Mar. 16.
Pharma Chemical Corporation. (See Markush, Eugene A., assignor.)
Phillmore, Charles E., Chicago, Ill., and J. H. Tobin, assignors to Tobin Tool and Die Company, Inc., Fond du Lac, Wis. Governor for motion picture camera. 2,073,803; Mar. 16.
Pichler, Gustav, and W. Weichert, Bronx, N. Y. Beer coil cleaner. 2,074,187; Mar. 16.
Pierce, Harold E., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Automatic break-off mechanism. 2,074,237; Mar. 16.
Pittsburgh Plate Glass Company. (See Heichert, Herman S., assignor.)
Pittsburgh Equitable Meter Company. (See Niesemann, Fritz, assignor.)
Poate, Frederick W., Shanghai, China, assignor to L. S. Moore, Newtonville, Mass. Firearm accessory. 2,073,755; Mar. 16.
Pomona Tile Manufacturing Company. (See Johnson, W. G., and Zapfe, assignors.)
Pond, Howard C., Roland, Iowa. Tractor guide. 2,073,905; Mar. 16.
Porter, Wilson E., assignor to The New Haven Clock Company, New Haven, Conn. Audible-signal clock. 2,074,025; Mar. 16.
Positive Lock Nut Corporation. (See Favatt, Angel C., assignor.)
Powell, Burnet J., North Chicago, Ill., assignor, by mesne assignments, to Lyon Cover Company, Detroit, Mich. Hub cap lock. 2,073,851; Mar. 16.
Pratt, Harry P., Chicago, Ill., assignor to W. F. Grower, H. A. Allen, G. S. Herrington, and H. T. Ballard, trustees, acting with said H. P. Pratt, as co-trustees of Pratt Radio Trust. Radio tube. 2,073,804; Mar. 16.
Pressed Steel Car Company. (See Koch, Felix, assignor.)
Pressed Steel Tank Company. (See Coakley, William E., assignor.)
Price, Charles D., Baraboo, Wis. Carburetor. 2,073,649; Mar. 16.
Prickett, Thomas B., Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del. Automatic temperature regulation of contact masses. 2,073,650; Mar. 16.
Public, Free use of The. (See Gaus, George E., assignor.)
Pugniet, Paul, Saint-Mande, France. Hose supporter. 2,074,272; Mar. 16.
Pullman, John. (See Flatow, J., and Pullman.)
Putterlik, Jan, Prague, Czechoslovakia. Apparatus for producing hollow bricks closed on all sides. 2,074,063; Mar. 16.
Queneau, Augustin L. J., Bernardsville, N. J. Metallurgical method. 2,073,994; Mar. 16.
Raby, Victor R., Los Angeles, Calif., assignor to Studio Equipment Co. Camera carriage. 2,073,998; Mar. 16.
Racz, Ernest, assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,074,026; Mar. 16.
Raddatz, Val E. (See Boysen, J. A., and Raddatz.)
Radford, William H., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Drive connecting link. 2,073,852; Mar. 16.
Radio Corporation of America. (See Chittick, K. A., and Carlson, assignors.)
Radio Corporation of America. (See Dimmick, Glenn L., assignor.)
Radio Corporation of America. (See Herbst, Philip J., assignor.)
Radio Corporation of America. (See Landon, V. D., and Conron, assignors.)
Radio Corporation of America. (See Linsell, Alfred A., assignor.)
Radio Corporation of America. (See Salzberg, Bernard, assignor.)
Radio Corporation of America. (See Shoup, Allen, assignor.)
Radio Corporation of America. (See Tolson, William A., assignor.)
Raiziss, George W., and L. W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill. Alkyl cresol. 2,073,995; Mar. 16.
Raiziss, George W., and L. W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill. Branch-chain alkyl derivatives of β-naphthol. 2,073,996; Mar. 16.
Raiziss, George W., and L. W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill. Alkyl α-naphthols. 2,073,997; Mar. 16.
Ramet Corporation of America. (See Balke, Clarence W., assignor.)
Randall, Henry T. (See Duany, A. J., and Randall.)
Randel, B. F., San Diego, Calif. Convertible heating and cooling system. 2,073,651; Mar. 16.
Ransome Concrete Machinery Company. (See Robinson, A. P., and Faber, assignors.)
Rask, Olaf S., assignor of one-half to H. C. Fooks, Baltimore, Md. Manufacture of macaroni products. 2,074,064; Mar. 16.
Rayfield, Charles L., assignor, by mesne assignments, to Thermal Units Manufacturing Company, Chicago, Ill. Pump and unloading means. 2,073,710; Mar. 16.
Reda Pump Company. (See Brown, C. C., Van Wert, and Arutunoff, assignors.)
Reed, Grace, Chattanooga, Tenn. Garment hanger. 2,073,805; Mar. 16.
Reh, Edward J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic lens and making same. 2,074,072; Mar. 16.
Reinhardt, Louis W., Brockton, assignor to George E. Belcher Company, Stoughton, Mass. Spring for shoe forms. 2,074,273; Mar. 16.
Reis, Robert, & Co. (See Boysen, J. A., and Raddatz, assignors.)
Renaux, Eugene P., Paris, and L. J. Renaux, Livry-Gargan, France. Device for the mounting of engines. 2,073,976; Mar. 16.
Renaux, Lucien J. (See Renaux, Eugene P., and L. J.)
Reynolds Metals Company. (See Sunderhauf, Frederick A., assignor.)
Rice, Edward, St. Louis, Mo., and W. G. Rice, Chicago, Ill. Telegraphic tape stop. 2,074,189; Mar. 16.
Rice, Waldo G. (See Rice, Edward, and W. G.)
Rice, Walter A., Yonkers, and F. G. Shinn, Bronxville, N. Y. Method and apparatus of weaving knotted fabrics. 2,074,027; Mar. 16.
Rich, George M. (See McHugh, Charles J., assignor.)
Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Temperature control device. 2,074,132; Mar. 16.
Richter, George F., Bogota, N. J., assignor to C. N. Coryell, Mamaroneck, N. Y. Holder for stick material. 2,073,999; Mar. 16.
Rigg, John G. (See Hilditch, T. P., and Rigg.)
Ripert, Jean, assignor to Le Fly Tox, Paris, France. Insecticide and manufacture thereof. 2,074,188; Mar. 16.
Risser, Ivan H., assignor to U. S. Bottlers Machinery Co., Chicago, Ill. Container loading apparatus. 2,073,944; Mar. 16.
Risser, Ivan H., assignor to U. S. Bottlers Machinery Co., Chicago, Ill. Container discharging apparatus. 2,073,945; Mar. 16.
Ritchie, Conrad A., Spokane, Wash. Agricultural implement. 2,073,879; Mar. 16.
Robb, John F., Cleveland Heights, Ohio. Central mixing plant. 2,073,652; Mar. 16.
Robbins, John L., Edgewater, Colo. Incubator. 2,074,190; Mar. 16.
Roberts, George F., and J. I. Beyette, assignors to A. Robertson, Montreal, Quebec, Canada. Package delivery arrangement. 2,073,806; Mar. 16.
Robertson, Angus. (See Roberts, G. F., and Beyette, assignors.)
Robinsohn, Jacob, New York, N. Y. Garment. 2,073,711; Mar. 16.
Robinson, Arthur P., Plainfield, and J. P. Faber, Dunellen, assignors to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete distributing apparatus. 2,074,073; Mar. 16.
Robinson, William M., New York, N. Y., assignor to Solar Manufacturing Corporation. Interference eliminating device. 2,073,880; Mar. 16.
Rodin, Matthias, Paris, France, assignor to H. G. Kates, New York, N. Y. Fastener device for a bag. 2,074,133; Mar. 16.
Roethel, John H., assignor to Ferro Stamping and Manufacturing Company, Detroit, Mich. Latch mechanism. 2,074,191; Mar. 16.
Röhm & Haas Company, The. (See Andrews, Chester E., assignor.)
Röhm & Haas Company. (See Bauer, W., and Gerlach, assignors.)
Ronnquist, Edwin, Chicago, Ill. Drawing instrument. 2,073,881; Mar. 16.
Ronowsky, Frank, Bath, N. Y. Artificial limb. 2,073,807; Mar. 16.
Root, Ralph C., Indianapolis, Ind. Desk manifolder. 2,073,712; Mar. 16.
Roren, Albert, assignor to Carbonaire Beverage Dispenser, Inc., New York, N. Y. Cooling and dispensing apparatus. 2,074,074; Mar. 16.
Ross, Clifford O., Beverly Hills, Calif. Vehicle spring. 2,073,882; Mar. 16.
Ross, Oscar A., New York, N. Y. Circuit controller. 2,073,808; Mar. 16.
Ross, R. W., Manufacturing Corporation. (See Ross, Ruth W., assignor.)
Ross, Raymond W., assignor to Leeds and Northrup Company, Philadelphia, Pa. Exhibiting instrument. 2,074,117; Mar. 16.
Ross, Raymond W., and S. H. Seberhagen, assignors to Leeds & Northrup Company, Philadelphia, Pa. Recorder. 2,074,118; Mar. 16.

Ross, Ruth W., assignor to R. W. Ross Manufacturing Corporation, New York, N. Y. Paper dispenser. 2,073,719; Mar. 16.
Rudolph, Maurice L., Vineland, N. J. Pick out shield. 2,074,238; Mar. 16.
Rush, Thomas L., Cleveland, Ohio. Can opener. 2,074,094; Mar. 16.
Rush, William, Washington, D. C. Hand tool. 2,074,239; Mar. 16.
Russell, Corey L., Milwaukee, Wis. Antiskid device. 2,073,883; Mar. 16.
Rust, John D., and M. D., Memphis, Tenn. Cotton picking machine. 2,073,653; Mar. 16.
Rust, Mack D. (See Rust, John D., and M. D.)
Saarinen, Armas J., assignor to Granberg Meter Corporation, San Francisco, Calif. Spring detent. 2,074,075; Mar. 16.
Salentine, Herbert M., Los Angeles, Calif. Motor for oil well pumping system. 2,073,809; Mar. 16.
Salzberg, Bernard, New York, N. Y., assignor to Radio Corporation of America. Electron discharge device. 2,073,946; Mar. 16.
Sander, John A., Wichita, Kans. Portable sectional fence. 2,073,947; Mar. 16.
Sassen, Bernard, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Combined pattern controlled machine tool. 2,074,095; Mar. 16.
Saunders Inventions Limited. (See Saunders, Philip K., assignor.)
Saunders, Philip K., Wolverhampton, England, assignor to Saunders Inventions Limited, Johannesburg, Union of South Africa. Diaphragm valve. 2,074,240; Mar. 16.
Sayers, William W., and R. F. Bergmann, Chicago, Ill., and H. F. Watson, Philadelphia, Pa., assignors to Link-Belt Company, Chicago, Ill. Settling tank. 2,073,810; Mar. 16.
Scanlan-Morris Company. (See Hawley, George W., assignor.)
Schaefer, Frank. (See Stone, H. A., and Schaefer.)
Schaefer, Timothy A., Milwaukee, Wis. Thermostatic Switch. 2,073,757; Mar. 16.
Schieber, Jacob W., Scranton, Pa. Nonrefillable attachment. 2,074,274; Mar. 16.
Schieber, Jacob W., Scranton, Pa. Nonrefillable attachment. 2,074,275; Mar. 16.
Schilling, Frederick B., Bayside, N. Y., assignor to Nichols Engineering & Research Corporation. Apparatus and method for drying and incinerating sewage and waste material. 2,074,028; Mar. 16.
Schindhelm, Hans. (See Bayer, O., Herdieckerhoff, and Schindhelm.)
Schlesiger, Paul J. (See Von Pein, E. J., and Schlesiger.)
Schloemann Aktiengesellschaft. (See Gassen, Josef, assignor.)
Schmeller, John, Sr., Lakewood, Ohio. Composite plate for stair treads and the like. 2,073,758; Mar. 16.
Schmerber, Raoul J., assignor to La Soudure Electrique Autogène Société Anonyme, Brussels, Belgium. Apparatus for arc welding. 2,074,276; Mar. 16.
Schmidt, David, assignor to The Dobeckmun Company, Cleveland, Ohio. Bag and making the same. 2,074,277; Mar. 16.
Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Müller, Christoph, assignor.)
Schneider, Wilhelm, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of polymethine dyes. 2,073,759; Mar. 16.
Schnorf, Paul, Wiesli, Switzerland, assignor to Hercules Powder Company, Wilmington, Del. High melting point rosin and its production. 2,074,192; Mar. 16.
Schofield, William R., Jr., assignor to Leeds & Northrup Company, Philadelphia, Pa. Electrical telemetry. 2,073,948; Mar. 16.
Schou, Theodor, Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill. Synchronous machine. 2,073,760; Mar. 16.
Schrader, Herbert, Wheeling, W. Va., assignor to Continental Can Company, Inc., New York, N. Y. Container for dispensing grease. 2,074,241; Mar. 16.
Schrader, Herbert, Wheeling, W. Va., assignor to Continental Can Company, Inc., New York, N. Y. Tool for stripping ends from containers. 2,074,242; Mar. 16.
Schralshuhn, Theodore A., assignor to Surface Combustion Corporation, Toledo, Ohio. Heat treating apparatus. 2,074,312; Mar. 16.
Schrenk, Hans A., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Manufacture of artificial silk. 2,073,906; Mar. 16.
Schrenk, Hans A., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Manufacture of artificial silk. 2,074,076; Mar. 16.
Schulman, Joseph, Brookiyn, N. Y. Preparing foods and the like which require roasting. 2,074,029; Mar. 16.
Schulze, Ferdinand, Waynesboro, Va., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose esters and production of same. 2,073,853; Mar. 16.
Scofield, Gilbert J., Loudonville, N. Y. Coin detector mechanism. 2,073,949; Mar. 16.
Scott & Williams, Incorporated. (See Micks, Wilmot, assignor.)
Scullin, Richard J., Newton, Mass. Preparing bituminous concrete paving material. 2,073,907; Mar. 16.
Sealed Joint Products Co. Inc. (See Duffy, Charles G., assignor.)
Seberhagen, Sigurd H. (See Ross, R. W., and Seberhagen.)
Seibert, Robert M., Littleton, Colo. Beverage cooler. 2,073,950; Mar. 16.
Serciron, Marcel, Dourdan, France. Manufacture of copper sulphate. 2,073,977; Mar. 16.
Servais, Norman H., Westminster, London, assignor to Servais Services Limited, London, England. Silencer for gaseous currents. 2,073,951; Mar. 16.
Servais Services Limited. (See Servais, Norman H., assignor.)
Severy, Victor H., Los Angeles, Calif. Musical vibration apparatus. 2,073,812; Mar. 16.
Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Draft gear. 2,073,761; Mar. 16.
Shannon, S. Q. (See Stifter, Frank E., assignor.)
Shapiro, Arthur, Chelsea, Mass., assignor of one-fourth to J. Shapiro, Baltimore, Md., one-fourth to I. Shapiro, Chicago, Ill., one-fourth to N. Shapiro, and one-fourth to S. Shapiro, Chelsea, Mass. Ice cream cone. 2,074,278; Mar. 16.
Shapiro, Isaac, et al. (See Shapiro, Arthur, assignor.)
Shapiro, Joseph, et al. (See Shapiro, Arthur, assignor.)
Shapiro, Nathan, et al. (See Shapiro, Arthur, assignor.)
Shapiro, Samuel, et al. (See Shapiro, Arthur, assignor.)
Sharma, Jagan N., Berkeley, assignor to Food Machinery Corporation, San Jose, Calif. Treating fruits and vegetables. 2,073,854; Mar. 16.
Shartel, Warren W. (See Hodnefield, O. T., and Shartel.)
Sheffield, Marvin J., Carrollton, Ga. Cultivator attachment. 2,073,884; Mar. 16.
Sheller Manufacturing Corporation. (See Anderson, John W., assignor.)
Shepherd, Claude H., Chicago, Ill. Separation of material. 2,073,952; Mar. 16.
Shinn, Frank G. (See Rice, W. A., and Shinn.)
Shoup, Allen, Oaklyn, N. J., assignor to Radio Corporation of America. Talking motion picture apparatus. 2,074,030; Mar. 16.
Shultz, Chauncey F., St. Louis, Mo. Flue cleaner. 2,073,811; Mar. 16.
Siegel, Edward, New York, N. Y. Razor. 2,073,713; Mar. 16.
Siegel, Edward, New York, N. Y. Razor. 2,073,714; Mar. 16.
Siemens & Halske Aktiengesellschaft. (See Nottebrock, Hienrich, assignor.)
Simplex Paper Corporation. (See Wood, Frederick P., assignor.)
Sinclair Refining Company. (See Herthel, Eugene C., assignor.)
Singer Manufacturing Company, The. (See Karle, John D., assignor.)
Singer Manufacturing Company, The. (See Zonis, Sydney, assignor.)
Sisson, James G., assignor to The L. S. Starrett Company, Athol, Mass. Dial indicator. 2,074,279; Mar. 16.
Sleeter, Edward B. (See Mapes, C. W., Bradford, and Sleeter.)
Slezak, John, assignor to Turner Brass Works, Sycamore, Ill. Folding camp stove. 2,073,813; Mar. 16.
Small, Francis G., Pinner, England. Nonslip surfaces for paving blocks. 2,073,814; Mar. 16.
Smalley, Lee L. (See Bendix, V., Boothby, and Smalley.)
Smiley Industrial Filter Company, The. (See Smiley, Lloyd D., assignor.)
Smiley, Lloyd D., assignor to The Smiley Industrial Filter Company, Dayton, Ohio. Paper manufacture. 2,073,654; Mar. 16.
Smith, Burgess W., assignor to The Todd Company, Inc., Rochester, N. Y. Safety paper and making the same. 2,073,762; Mar. 16.
Smith, Burgess W., assignor to The Todd Company, Inc., Rochester, N. Y. Safety paper and making the same. 2,073,763; Mar. 16.
Smith, Burgess W., assignor to The Todd Company, Inc., Rochester, N. Y. Safety paper and making the same. 2,073,764; Mar. 16.
Smith, Hinsdale, Jr., New York, N. Y. Device for developing photographic films. 2,073,978; Mar. 16.
Smith, Hugh R., Los Angeles, Calif., assignor, by mesne assignments, to General Motors Corporation. Automatic coin controlled time registering electric switch. 2,073,765; Mar. 16.
Smith, Rudolph J., Cleveland, Ohio. Residence number sign. 2,074,280; Mar. 16.
Smith, Sydney S., Tulsa, Okla., assignor, by mesne assignments, to F. L. Kallam, Los Angeles, Calif. Method of and apparatus for controlling rectification. 2,073,908; Mar. 16.
Smith, Vivian D., assignor to J. R. Millar, Detroit, Mich. Soap and towel vending machine. 2,074,077; Mar. 16.
Society Avions Kellner-Béchereau. (See Béchereau, Louis, assignor.)
Solar Manufacturing Corporation. (See Robinson, William M., assignor.)
Solomon, Nathan L., Brooklyn, N. Y. Hair winder. 2,073,815; Mar. 16.
Solvay Process Company, The. (See Moyer, Wendell W., assignor.)

Sommer, Ludwig A., Berlin-Dahlem, Germany. Method and apparatus for the production of metallic coatings on electrically nonconducting substances by the thermal vaporization of metals in vacuo. 2,074,281; Mar. 16.
Sonneborn, L., Sons, Inc. (See Liberthson, Leo, assignor.)
Sortore, Emerson J. (See Wheeler, E. R., and Sortore.)
Spafford, Allen L., assignor to Wood Conversion Company, Cloquet, Minn. Manufacture of fiber bat and machine therefor. 2,073,655; Mar. 16.
Spanner, Hans J. (See Spanner, H. J., and Gadamer.)
Spanner, Hans J., and O. Gadamer, Berlin, Germany, assignors, by mesne assignments, to said H. J. Spanner. Electric discharge tube. 2,073,885; Mar. 16.
Spengler, Max, Zurich, Switzerland. Piston. 2,074,282; Mar. 16.
Square D Company. (See Jackson, John G., assignor.)
Squibb, E. R., & Sons. (See Christiansen, W. G., Harris, and Lee, assignors.)
Standard Oil Company of California. (See Humphreys, R. L., and Farrington, assignors.)
Standard Oil Development Company. (See Baskin, Charles M., assignor.)
Standard Oil Development Company. (See Blau, L. W., and Stathum, assignors.)
Standard Oil Development Company. (See Zimmer, J. C., and Carlson, assignors.)
Standard Stoker Company, The. (See Capps, Washington T., assignor.)
Standard Stoker Company. (See Ketchpel, Paul A., assignor.)
Standard Stoker Company, The. (See Surdy, Charles J., assignor.)
Stanley, Julian C. (See Longdin, H. W., and Stanley.)
Starrett, L. S., Company, The. (See Sisson, James G., assignor.)
Statham, Louis. (See Blau, L. W., and Statham.)
Stauber, Jakob, Schlieren, Switzerland. Process and a plant for the ventilation of closed rooms. 2,074,283; Mar. 16.
Stebbins, George E., et al. (See Ward, Paul S., assignor.)
Stechbart, Arthur, assignor to Matchless Electric Company, Chicago, Ill. Decorative lighting device. 2,074,154; Mar. 16.
Stecher, Henry D., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio. Attaching couplings to hose ends. 2,073,909; Mar. 16.
Steel Heddle Manufacturing Company. (See Kaufmann, John J., assignor.)
Steel Housing Corporation. (See Streich, Frank, assignor.)
Steel Wheel Corporation, The. (See Kliesrath, Victor W., assignor.)
Stein, Irving M., assignor to Leeds & Northrup Company, Philadelphia, Pa. Exhibiting instrument. 2,074,116; Mar. 16.
Steinmetz, John C., Jackson, Mich. Mat cutter. 2,073,855; Mar. 16.
Stelzer, Otto R., assignor to The Firestone Steel Products Company, Akron, Ohio. Pasting machine. 2,074,065; Mar. 16.
Stevenson, Andrew C., Bervie, Wood Lane, Fleet, England. Rim, wheel, and tire. 2,074,284; Mar. 16.
Stewart, James S., Swampscott, Mass., assignor to The Lyman Gun Sight Corporation, Middlefield, Conn. Sight. 2,073,856; Mar. 16.
Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)
Stickel, Carl A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,073,656; Mar. 16.
Stifter, Frank E., Pittsburgh, Pa., assignor to S. Q. Shannon, Los Angeles, Calif. Lubricating oil scavenging pump. 2,073,886; Mar. 16.
Stockton, Thomas, Detroit, Mich. Steam laundry and pressing iron. 2,073,658; Mar. 16.
Stockton, Thomas, assignor to Inventors' Products Company, Detroit, Mich. Electrically heated steam laundry and pressing iron. 2,073,657; Mar. 16.
Stoeckly, Johann J., Teltow Seehof, and E. Witte, Berlin-Lichterfelde, Germany, assignors to North American Rayon Corporation. Sizing of rayon spinning cakes. 2,073,857; Mar. 16.
Stone, Harry A., and F. Schaefer, Detroit, Mich. Gaseous electric discharge device. 2,073,715; Mar. 16.
Stradley, James H., Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Continuous dyeing process. 2,074,031; Mar. 16.
Strancke, Charles, Milwaukee, Wis. Charge modifying attachment for engine intake manifolds. 2,073,887; Mar. 16.
Stratton, Ernest K., San Francisco, Calif. Medicinal compounds. 2,073,659; Mar. 16.
Strehlow, Walter F. (See Frudden, C. E., and Strehlow.)
Streich, Frank, assignor to Steel Housing Corporation, Chicago, Ill. Wall construction for metallic buildings. 2,074,000; Mar. 16.
Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Adjustable lip for lint ducts. 2,073,588; Mar. 16.
Strom, Adolph E., Portland, Oreg. Latch for window operators. 2,073,910; Mar. 16.
Strupe, Cecil H., Indianapolis, Ind. Drum. 2,074,193; Mar. 16.
Strupe, Cecil H., Indianapolis, Ind. Tympano adjuster. 2,074,194; Mar. 16.
Studio Equipment Co. (See Raby, Victor R., assignor.)
Studt, Ernst, Nordenham, and U. Meyer, Cologne-Mulheim, assignors to Norddeutsche Seekabelwerke A. G., Nordenham, Germany. Manufacture of flexible bands, threads, foils, and tubes of artificial substances. 2,074,285; Mar. 16.
Stukenborg, Louis C., Memphis, Tenn. Head for cotton pickers. 2,073,660; Mar. 16.
Submarine Signal Company. (See Williams, Robert L., assignor.)
Sullivan, Charles, Springfield, Mo. Air cushion arch builder. 2,074,286; Mar. 16.
Sulzer Freres, Societe Anonyme. (See Atteslander, Edouard, assignor.)
Sunderhauf, Frederick A., Rutherford, N. J., assignor to Reynolds Metals Company, New York, N. Y. Display device. 2,073,716; Mar. 16.
Sunnen, Joseph, Kirdwood, Mo. Truing mandrels. 2,074,001; Mar. 16.
Surdy, Charles J., Tuckahoe, assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Stoker mechanism. 2,074,302; Mar. 16.
Surdy, Charles J., Tuckahoe, assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Locomotive stoker. 2,074,303; Mar. 16.
Surdy, Charles J., Tuckahoe, assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Locomotive stoker. 2,074,304; Mar. 16.
Surface Combustion Corporation. (See Cone, Carroll, assignor.)
Surface Combustion Corporation. (See Schraishuhn, Theodore A., assignor.)
Susquehanna Waist Company. (See Netsky, Frank W., assignor.)
Suydam, Louise D., et al. (See Suydam, William F., assignor.)
Suydam, William F., assignor of eighty per cent to L. D. Suydam, Hawley, Pa., and twenty per cent to E. D. Deremer, Montclair, N. J. Thread tension regulating apparatus. 2,074,096; Mar. 16.
Suzuki, Shigetake, Yoyogi, Shibuya-ku, Tokyo-shi, Japan. Air valve for use in inflated balls. 2,073,766; Mar. 16.
Swift, Herbert W., Shipley, England. Automatic tension control in belt and rope drives. 2,074,078; Mar. 16.
Sylvander, Roy C. (See Beck, R., and Sylvander.)
Taft, Harry, Chicago, Ill. Cover for garment hangers. 2,074,243; Mar. 16.
Talboys, Henry H., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Track grinder. 2,073,816; Mar. 16.
Tauschek, Gustav, assignor to International Business Machines Corporation, New York, N. Y. Electric circuit controlling means. 2,074,002; Mar. 16.
Tavani, Nicola, Brooklyn, N. Y. Clamp buckle. 2,074,287; Mar. 16.
Taylor, Eugene S., Chicago, Ill. Thrust motor. 2,074,134; Mar. 16.
Taylor, James, and W. Young, Saltocats, Scotland, assignors to Imperial Chemical Industries Limited. Cartridge for blasting. 2,074,032; Mar. 16.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Lazzarini, Eugen, assignor.)
Templeton, Kenly, & Co. Limited. (See Templeton, W. B., and Jakoubek, assignors.)
Templeton, Walter B., Hinsdale, and F. J. Jakoubek, Elmwood Park, assignors to Templeton, Kenly, & Co. Limited, Chicago, Ill. Culverting embankments. 2,074,003; Mar. 16.
Texas Company, The. (See Dearborn, R. J., and Gee, assignors.)
Thermal Units Manufacturing Company. (See Rayfield, Charles L., assignor.)
Thompson, Harry F., Pasadena, Calif. Hair waving scalp protector. 2,073,767; Mar. 16.
Thornton, Grayson D., Jr. (See Hart, Richard H., assignor.)
Thurber, William G., Santa Monica, Calif. Bolt actuating mechanism. 2,074,244; Mar. 16.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,073,661; Mar. 16.
Tiffin Art Metal Company, The. (See Overholtz, George D., assignor.)
Tilbury, Lyle C., Houston, assignor, by mesne assignments, to A. W. Crosby, Harris County, Tex. Pipe holder. 2,073,859; Mar. 16.
Tinker, John M., South Milwaukee, and V. M. Weinmayr, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Color compound. 2,073,662; Mar. 16.
Tinker, John M., South Milwaukee, and V. M. Weinmayr, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorescent hydrocarbon oils. 2,074,288; Mar. 16.
Tobin, James H. (See Phillmore, C. E., and Tobin.)
Tobin Tool and Die Company. (See Phillmore, C. E., and Tobin, assignors.)
Todd Company, The. (See Smith, Burgess W., assignor.)
Tolson, William A., Westmont, N. J., assignor to Radio Corporation of America. Impulse generator. 2,074,033; Mar. 16.
Tornblom, Nils A., Chicago, Ill., assignor to Appleton Electric Company. Explosionproof cable reel. 2,074,305; Mar. 16.

Toward, William, Poland Mines, Pa. Pump piston packing. 2,073,888; Mar. 16.
Tower, Wallace G., Milwaukie, Oreg. Machine for manufacturing battery plate separators. 2,073,911; Mar. 16.
Trico Fuse Manufacturing Co. (See Jung, O. H., and Heffelfinger, assignors.)
Trion Company, The. (See Dunn, Carl L., assignor.)
Trout, William A., Los Angeles, Calif. Framed structure. 2,073,889; Mar. 16.
Truesdell, Fred A., East Cleveland, Ohio. Self-adjusting valve tappet. 2,074,155; Mar. 16.
Tschappat, Sheridan P., Tulsa, Okla. Tubing head. 2,073,890; Mar. 16.
Tubize Chatillon Corporation. (See Oppenlaender, Oskar, assignor.)
Turnbull, Edward D., Scranton, Pa., assignor to The Glidden Company, Cleveland, Ohio. Treating wet basic carbonate white lead pulp. 2,073,817; Mar. 16.
Turner Brass Works. (See Siezak, John, assignor.)
Tweedie, Charles, Jefferson City, Mo. Pump. 2,074,004; Mar. 16.
Twyman, B. Wickliffe, assignor to Lavine Gear Company, Milwaukee, Wis. Steering gear. 2,073,717; Mar. 16.
Ulmann, Hans. (See Welsford, H. G., and Ulmann.)
Union Carbide and Carbon Corporation. (See Clapsdale, Leo J., assignor.)
Union Carbide and Carbon Corporation. (See De Motte, Maurice P., assignor.)
Union Carbide and Carbon Corporation. (See Wissler, William A., assignor.)
Union Steel Casting Company. (See Baker, James A., assignor.)
Union Switch & Signal Company, The. (See Caille, Georges, assignor.)
Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
United American Bosch Corporation. (See Beeh, Louis, assignor.)
United Autographic Register Co. (See Winter, Charles L., assignor.)
United Shoe Machinery Corporation. (See Baroni, Peter and S., assignors.)
United Shoe Machinery Corporation. (See Greene, Chester W., assignor.)
United Shoe Machinery Corporation. (See Newhall, Carl A., assignor.)
U. S. Bottlers Machinery Co. (See Risser, Ivan H., assignor.)
U. S. Slicing Machine Company. (See van Berkel, Wilhelmus A., assignor.)
Universal Generators Corporation. (See Carroll, Manly E., assignor.)
Universal Manufacturing Co. (See Greene, Albert J., assignor.)
Universal Oil Products Company. (See Alther, Joseph G., assignor.)
Universal Oil Products Company. (See Weber, H. C., and McAdams, assignors.)
Uphoff, Ralph E., Madison, Wis. Pressure relief valve. 2,074,195; Mar. 16.
Urbach, Franz. (See Kunz, J., and Urbach.)
Vacuum Chimney Corporation. (See White, L., and Compton, Jr., assignors.)
Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Pusher plate. 2,073,860; Mar. 16.
Van Wert, Samuel N. (See Brown, C. C., Van Wert, and Arutunoff.)
Vawter, Charles E., deceased, by Germantown Trust Company, executor, Philadelphia, Pa., assignor to W. J. Laird, Wilmington, Del. Fuel oil burner ignition. 2,073,718; Mar. 16.
Victor, John H., Wilmette, and W. A. Heinze, Chicago, assignors to Victor Manufacturing & Gasket Company, Chicago, Ill. Grease retainer with reenforced diaphragm. 2,073,768; Mar. 16.
Victor Manufacturing & Gasket Company. (See Victor, J. H., and Heinze, assignors.)
Viens, Henry J., assignor to Lorraine Manufacturing Company, Pawtucket, R. I. Tensioning means. 2,073,818; Mar. 16.
Vincent, Columbus W. (See Cohen, N. L., and Vincent.)
Viscostat Corporation, The. (See Miller, William E., assignor.)
Vogel, Albert L., Minneapolis, Minn. Tobacco pipe construction. 2,073,663; Mar. 16.
Vogel, Max, Frankfort-on-the-Main, Germany. Stapling machine. 2,073,819; Mar. 16.
Vogler, Joseph, Philadelphia, Pa., assignor to Baldwin-Southwark Corporation. Interchanging the functions of complementary heat exchange elements. 2,073,891; Mar. 16.
Von Berg, George E., New York, N. Y. Device for marking valuable papers. 2,073,820; Mar. 16.
Von Pein, Edward J., Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y. Scale controlled recorder. 2,074,006; Mar. 16.
Von Pein, Edward J., and P. J. Schlessiger, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Drop weight scale. 2,074,005; Mar. 16.
Voorhies, Carl, Detroit, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Tappet construction. 2,074,034; Mar. 16.
Wadert Co. (See Wadhams, Fred B., assignor.)
Wadhams, Fred B., Cleveland Heights, assignor to Wadert Co., Inc., Cleveland, Ohio. Furnace. 2,073,769; Mar. 16.
Wagner, Charles H., Washington, D. C. Discharge control for paving machines. 2,073,770; Mar. 16.
Wagner, Charley L. (See Abrams, A., Wagner, and Forcey.)
Wagner, Max, Stuttgart, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Power-driven vehicle. 2,074,289; Mar. 16.
Walker, Harold L., Brooklyn, N. Y., assignor to The Jacobs Bros. Co. Inc. Scale. 2,073,912; Mar. 16.
Wallin, Cajs-Marie. (See Wallin, Ernst H., assignor.)
Wallin, Ernst H., assignor to Cajs-Marie Wallin, Arvika, Sweden. Sleeping bag. 2,073,919; Mar. 16.
Ward, Ashley F., et al. (See Ward, Paul S., assignor.)
Ward, Ashley F., Jr., et al. (See Ward, Paul S., assignor.)
Ward, Blanche F., et al. (See Ward, Paul S., assignor.)
Ward, Helen E., et al. (See Ward, Paul S., assignor.)
Ward, John A., et al. (See Ward, Paul S., assignor.)
Ward, Paul S., Cincinnati, Ohio, assignor of part interests to G. E. Stebbins, Edgewood, Pa., and A. F. Ward, R. A. Ward, B. F. Ward, H. E. Ward, A. F. Ward, Jr., and J. A. Ward, Cincinnati, Ohio. Baking pan. 2,073,892; Mar. 16.
Ward, Rebecca A., et al. (See Ward, Paul S., assignor.)
Ward, Sena M., Bronx, N. Y. Separable fastener. 2,074,035; Mar. 16.
Ward, Sena M., New York, N. Y. Separable fastener. 2,074,036; Mar. 16.
Warner, Wilbur W., Fort Wayne, Ind., assignor to General Electric Company. Motor mounting. 2,074,135; Mar. 16.
Watson, Glenn W., Detroit, Mich., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Automatic self-synchronized transmitting system. 2,074,037; Mar. 16.
Watson, Harold F. (See Sayers, W. W., Bergmann, and Watson.)
Waukesha Motor Company. (See Bicknell, George M., assignor.)
Weatherhead Company, The. (See Stecher, Henry D., assignor.)
Weber, Ernst-Herbert, New York, N. Y. Device for the opening of containers. 2,074,156; Mar. 16.
Weber, Harold C., Milton, and W. H. McAdams, Newton, Mass., assignors, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 2,074,196; Mar. 16.
Weichert, William. (See Pichler, G., and Weichert.)
Weinmayr, Viktor M. (See Tinker, J. M., and Weinmayr.)
Weir, Horace M., and R. B. Chillas, Jr., assignors to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbons. 2,073,953; Mar. 16.
Welsberg, Louis, and W. F. Greenwald, New York, N. Y., assignors, by mesne assignments, to said W. F. Greenwald. Regeneration of photographic developer solutions. 2,073,664; Mar. 16.
Welch, Alfred F., Fort Wayne, Ind., assignor to General Electric Company. Resilient mounting. 2,074,136; Mar. 16.
Welch, Floyd D., Shreveport, La. Wallboard. 2,073,665; Mar. 16.
Welsford, Hubert G., and H. Ulmann, Montreal, assignors to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Balancing machine for rotating bodies. 2,074,290; Mar. 16.
Wernlund, Christian J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hardening proteins. 2,073,666; Mar. 16.
Western Electric Company. (See Brown, M., and O'Connor, assignors.)
Western, John, North Chicago, Ill. Grave tomb. 2,073,720; Mar. 16.
Western Union Telegraph Company, The. (See Wheeler, E. R., and Sortore, assignors.)
Westfield Manufacturing Company, The. (See Duffy, Thomas L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Beese, Norman C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bowman, Joseph S., assignor.)
Weston Electrical Instrument Corporation. (See Goodwin, William N., Jr., assignor.)
Wheeler, Evan R., North Plainfield, and E. J. Sortore, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Motor operated indicator dial. 2,074,066; Mar. 16.
Wheelock, Edwin M., Minneapolis, Minn. Automobile storage device. 2,073,721; Mar. 16.
Whelen, Myron S., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of anthraquinone compounds. 2,074,306; Mar. 16.
Whelen, Myron S., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of anthraquinonedisulphonic acids. 2,074,307; Mar. 16.
Whitacre, John R. (See Magnus, G. A., and Whitacre.)
White, Louis, and R. A. Compton, Jr., St. Louis, Mo., assignors to Vacuum Chimney Corporation. Vacuum chimney top. 2,074,291; Mar. 16.

Whitesel, Harry A., Fort Wayne, Ind., assignor to General Electric Company. Evaporator. 2,074,137; Mar. 16.
Whitesell, John C., Jr., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Timing switch for welding. 2,074,138; Mar. 16.
Whiteside, John O. (See Williams, D. E., and Whiteside.)
Wigan, Edmund R., Lee, London, England. Gauging minute displacements. 2,073,913; Mar. 16.
Wigglesworth, Albert W., assignor to Hill-Clark Machinery Co., Chicago, Ill. Grinding machine. 2,074,308; Mar. 16.
Wiley, Joseph R., assignor to F. Garnett, Los Angeles, Calif. Expanding bung. 2,073,722; Mar. 16.
Willey, Clifford R., Denver, Colo. Sample sacker. 2,073,914; Mar. 16.
Wilkie, Leighton A., Minneapolis, Minn. Apparatus for stamping and punching sheet metal and the like. 2,073,893; Mar. 16.
Wilkins, James M., assignor to Mueller Co., Decatur, Ill. Relief valve. 2,074,292; Mar. 16.
Willey, Fay H., Detroit, Mich. Diamond embedded abrading tool. 2,074,038; Mar. 16.
Williams, Dean E., and J. O. Whiteside, assignors to General Battery Supply Company, Oklahoma City, Okla. Battery terminal clamp. 2,073,980; Mar. 16.
Williams, Robert L., Newton, assignor to Submarine Signal Company, Boston, Mass. Sound producer. 2,073,667; Mar. 16.
Williamson, William, Tiverton, R. I. High pressure air valve. 2,074,245; Mar. 16.
Willis, Ralph P., New York, N. Y. Humidifier. 2,073,915; Mar. 16.
Wilson, Edward, St. Louis, Mo. Refrigeration apparatus. 2,073,771; Mar. 16.
Wilson, Herbert A., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power transmitting mechanism. 2,073,668; Mar. 16.
Wilson, Ivan V., Dayton, Ohio, assignor to Merrimac Chemical Company, Everett, Mass. Recovering fibers from used textile materials. 2,073,916; Mar. 16.
Winter, Charles L., Chicago, Ill., assignor to United Autographic Register Co. Typewriting machine. 2,074,097; Mar. 16.
Winters, David L., Los Angeles, Calif. Speed control system for vehicles. 2,073,772; Mar. 16.
Wissler, William A., Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Making articles of cobalt-chromium-tungsten alloys. 2,074,007; Mar. 16.
Witte, Erhard. (See Stoeckley, J. J., and Witte.)
Wohlmeyer, Josef, Vienna, Austria. Traveling motor compressor. 2,074,293; Mar. 16.
Wolf, Anthony H., assignor to Papendick, Inc., St. Louis, Mo. Grinding tool. 2,073,861; Mar. 16.
Wolf, Emil, Budapest, Hungary, assignor, by mesne assignments, to Parke, Davis & Company, Detroit, Mich. Ergot alkaloid and obtaining the same. 2,073,954; Mar. 16.
Wolf, Henry I., Detroit, Mich. Check for doors and the like. 2,074,008; Mar. 16.
Wood Conversion Company. (See Spafford, Allen L., assignor.)
Wood, Frederick P., assignor to Simplex Paper Corporation, Adrian, Mich. Panel board and making same. 2,073,894; Mar. 16.
Wooddell, Charles E. (See Benner, R. C., Knowlton, and Wooddell.)
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Refrigerator container for container cars. 2,073,981; Mar. 16.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Container and container car. 2,073,982; Mar. 16.
Woodruff, Henry S., Larchmont, assignor to American Radiator Company, New York, N. Y. Filter. 2,074,294; Mar. 16.
Woodruff, Henry S., Larchmont, assignor to American Radiator Company, New York, N. Y. Ventilating apparatus. 2,074,295; Mar. 16.
Woodstock Typewriter Company. (See Koca, James F., assignor.)
Woolnough, Albert E., St. Albans, N. Y. Stuffed animal toy. 2,073,723; Mar. 16.
World Bestos Corporation. (See Nanfeldt, William, assignor.)
Wormald, Alec, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Textile printing. 2,074,197; Mar. 16.
Wuertz, Alexander J., Carrollville, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of anthraquinonedisulphonic acids. 2,074,309; Mar. 16.
Wunner, John, South Plainfield, N. J. Amusement device. 2,074,009; Mar. 16.
Yaxley, John W., assignor to Drummondville Cotton Company Limited, Montreal, Quebec, Canada. Manufacture of tire cords. 2,073,821; Mar. 16.
Young, William. (See Taylor, J., and Young.)
Zademach, Erich R., Elizabeth, N. J., assignor to Metalwash Machinery Company, New York, N. Y. Drier. 2,073,669; Mar. 16.
Zapfe, Richard C. (See Johnson, W. G., and Zapfe.)
Zimmer, John C., Elizabeth, and E. W. Carlson, Roselle Park, N. J., assignors to Standard Oil Development Company. Nonleaking lubricant. 2,074,039; Mar. 16.
Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Cutter positioning device for hobbing machines. 2,073,917; Mar. 16.
Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Ornamental seam sewing machine. 2,074,310; Mar. 16.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Amplification system for glow relay devices. H. C. Rentschler and D. E. Henry. 20,297; Mar. 16.
Billing machine. F. E. Pfeiffer. 20,296; Mar. 16.
Brake mechanism. J. Sneed. 20,299; Mar. 16.
Insect exterminator, Electrical. C. W. Rovinsky. 20,298; Mar. 16.
Ornamenting machine. B. W. Freeman and J. Schneider. 20,294; Mar. 16.
Oscillator system. J. B. Dow. 20,293; Mar. 16.
Refrigerator. P. C. Warren. 20,300; Mar. 16.
Slate and the like, Coloring granular. H. C. Fisher. 20,295; Mar. 16.
Vehicle. V. Y. Brown. 20,292; Mar. 16.

LIST OF PLANT INVENTIONS

Apple. V. Moore. 238; Mar. 16.

LIST OF DESIGN INVENTIONS

Bank, Coin. D. H. Zell. 103,605; Mar. 16.
Bank, Coin. D. H. Zell. 103,651; Mar. 16.
Bank, Savings. H. E. Soref and J. K. Marshall. 103,620; Mar. 16.
Base for a jewelry box or similar article. M. K. Cook. 103,562; Mar. 16.
Base for a jewelry box or similar article. J. M. Shields, Jr. 103,600; Mar. 16.
Bedspring. D. C. Travis. 103,604; Mar. 16.
Bird figure and pedestal, Combined. P. Gerent. 103,569; Mar. 16.
Bonnet or similar article. E. H. Mims. 103,619; Mar. 16.
Bowl. W. R. Ruck. 103,599; Mar. 16.
Bowl or similar article. W. C. McCartney. 103,578; Mar. 16.
Brooch. A. Philippe. 103,596–7; Mar. 16.
Brooch or the like. A. Philippe. 103,595; Mar. 16.
Cabinet, Photograph. P. M. Fuller. 103,568; Mar. 16.
Cabinet, Radio. P. Holzer, Jr. 103,572; Mar. 16.
Cabinet, Vending machine. M. T. Ashe. 103,559; Mar. 16.
Camera, Photographic. A. S. Howell. 103,573; Mar. 16.
Carpet or similar article. G. V. Uihlein. 103,623; Mar. 16.
Case or similar article, Instrument. W. A. Baum. 103,561; Mar. 16.
Casing, Illuminated coin controlled machine. J. G. Wells. 103,649; Mar. 16.
Casket, Burial. L. N. Strunk. 103,621; Mar. 16.
Chair. R. B. Janes. 103,575; Mar. 16.
Clip. A. Philippe. 103,598; Mar. 16.
Clock and radio receiver, Combined. R. H. Fisher. 103,567; Mar. 16.
Coat. J. Leiterman. 103,617; Mar. 16.
Collar, Shirt. I. Dietz. 103,609; Mar. 16.
Dress. T. Coleman. 103,607; Mar. 16.
Dress. T. Coleman. 103,652–3; Mar. 16.
Dress. E. Cutler. 103,654; Mar. 16.
Dress. E. Cutler. 103,656; Mar. 16.
Dress.—W. B. Earle. 103,610–11; Mar. 16.
Dress. R. Feintuck. 103,657; Mar. 16.
Dress. M. Michelson. 103,618; Mar. 16.
Dress. M. Michelson. 103,658; Mar. 16.
Dress. M. Richter. 103,659; Mar. 16.
Dress. P. Wenett. 103,662; Mar. 16.
Dress ensemble. E. Cutler. 103,655; Mar. 16.
Fabric, Flower-embroidered dress. R. Stiglitz. 103,661; Mar. 16.
Fixture, Ceiling lighting. R. G. Cowan. 103,563; Mar. 16.
Fixture, lighting. A. A. Johnson. 103,576; Mar. 16.
Game apparatus. S. C. Ide. 103,638; Mar. 16.
Game device. L. W. Van Orc. 103,646; Mar. 16.
Glove. I. K. Hessberg. 103,616; Mar. 16.
Heater. L. O. Morin, Jr. 103,644; Mar. 16.
Heater, Electric water. M. W. Grober. 103,637; Mar. 16.
Holder, Copy. A. L. Slee. 103,601; Mar. 16.
Instrument board for motor vehicles. L. A. Elwert. 103,631; Mar. 16.
Jacket, Roller. E. S. Cornell, Jr. 103,628; Mar. 16.
Keyboard for cash registers. B. Beria. 103,627; Mar. 16.
Lamp and support, Combined. W. H. Adams and D. H. Holden. 103,557; Mar. 16.
Lamp, Combined stop and tail. S. M. Dover. 103,565–6; Mar. 16.
Pencil. P. S. Hauton. 103,570; Mar. 16.
Permanent wave machine. E. Jacobsen. 103,574; Mar. 16.
Pipe, Smoking. G. R. McAllaster. 103,577; Mar. 16.
Rack, Display. F. F. Melvin and B. C. Howell. 103,580; Mar. 16.
Rack, Wing type display. F. F. Melvin and B. C. Howell. 103,581; Mar. 16.
Refrigerator. W. A. Welden. 103,648; Mar. 16.
Refrigerator, Serving. H. D. Hensey. 103,571; Mar. 16.
Register, Cash. B. Beria. 103,625–6; Mar. 16.
Safe or similar article. C. R. Davis. 103,629; Mar. 16.
Scale. E. D. Fear. 103,633–4; Mar. 16.
Scarf. B. Goodman. 103,612–4; Mar. 16.
Scarf. B. Goodman. 103,636; Mar. 16.
Scraper or similar article, Utensil. N. G. A. Steinberg. 103,603; Mar. 16.
Seat. E. J. Beck. 103,624; Mar. 16.
Shoe. B. Oswell. 103,584; Mar. 16.
Shoe. C. Spalsbury. 103,602; Mar. 16.
Shoe or similar article. A. Perugia. 103,586–94; Mar. 16.
Shoe ornament. B. Oswell. 103,583; Mar. 16.
Shoe ornament. B. Oswell. 103,585; Mar. 16.
Slipper or similar article. J. Barnett. 103,560; Mar. 16.
Stand, Music. R. H. Craig. 103,564; Mar. 16.
Stand, Smoker's. L. V. Aronson. 103,558; Mar. 16.
Table, Billiard. D. Deskey. 103,608; Mar. 16.
Textile fabric. H. Bernard. 103,606; Mar. 16.
Textile fabric. E. J. Das. 103,630; Mar. 16.
Textile fabric. C. E. Forstmann. 103,635; Mar. 16.
Textile fabric. M. D. Kornfeld. 103,639–42; Mar. 16.
Textile fabric. W. Ross. 103,660; Mar. 16.
Textile fabric. M. Turpan. 103,622; Mar. 16.
Textile fabric. H. W. Wilde. 103,650; Mar. 16.
Textile fabric or similar article. R. E. Fatherley. 103,632; Mar. 16.
Textile fabric or similar article. M. Gutschmidt. 103,615; Mar. 16.
Textile fabric or similar article. J. L. Vorhauer. 103,647; Mar. 16.
Textile fabric suitable for blankets or similar article. J. R. Morgan. 103,643; Mar. 16.
Valve, Pressure regulating. T. W. Murphy. 103,582; Mar. 16.
Velocipede. A. de Sakhnoffsky. 103,645; Mar. 16.
Wrench. N. F. McNaught. 103,579; Mar. 16.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading tool. J. P. Graul. 2,074,177; Mar. 16.
Abrading tool, Diamond embedded. F. H. Willey. 2,074,038; Mar. 16.
Acid anhydrides, Manufacture of fatty. H. Dreyfus. 2,073,685–6; Mar. 16.
Acids and the product thereof, Production of hydroxy. J. W. Hill. 2,073,799; Mar. 16.
Acids, Preparation of anthraquinone-disulphonic. M. S. Whelen. 2,074,307; Mar. 16.
Acids, Preparation of anthraquinone-disulphonic. A. J. Wuertz. 2,074,309; Mar. 16.
Acoustic warning device. F. Koch. 2,074,266; Mar. 16.
Adding machine, Ten-key. F. L. Fuller and S. Brand. 2,074,017; Mar. 16.
Address plate. C. E. Ellis. 2,073,628; Mar. 16.
Adhesive composition. A. D. Fuller. 2,073,927; Mar. 16.
Adjustable film gate. R. H. Draeger. 2,073,627; Mar. 16.
Adjustable wrench. E. H. Luckey. 2,074,227; Mar. 16.
Advertising apparatus. W. R. Bloh. 2,074,249; Mar. 16.
Advertising device. R. M. Bone. 2,074,250; Mar. 16.
Advertising display device. F. Dannenberg, J. L. Frank, and A. Groth. 2,073,986; Mar. 16.
Agitator, Portable. C. E. Farrington. 2,073,925; Mar. 16.
Agricultural implement. G. O. Lower. 2,073,992; Mar. 16.
Agricultural implement. C. A. Ritchie. 2,073,879; Mar. 16.
Air conditioner. G. de Bothezat. 2,073,833; Mar. 16.
Air conditioning apparatus. J. B. Kirby. 2,074,265; Mar. 16.
Aircraft. A. P. Brush. 2,073,864; Mar. 16.
Aircraft flotation system. W. H. Freygang. 2,073,688; Mar. 16.
Airfoil used in aeronautics. L. Béchereau. 2,074,201; Mar. 16.
Airship, Rocket. H. L. Adams. 2,074,098; Mar. 16.
Air valve, High pressure. W. Williamson. 2,074,245; Mar. 16.
Alarm system, Supervised electric. H. C. Grant, Jr. 2,074,262; Mar. 16.
Alkaloid and obtaining the same, Ergot. E. Wolf. 2,073,954; Mar. 16.
Alkyl α-naphthols. G. W. Raiziss and Le R. W. Clemence. 2,073,997; Mar. 16.
Alkyl derivatives of β-naphthol, Branch-chain. G. W. Raiziss and Le R. W. Clemence. 2,073,996; Mar. 16.
Alloys and articles made thereof, Austenitic ferrous. H. D. Newell. 2,073,901; Mar. 16.
Alloys, Making articles of cobalt-chromium-tungsten. W. A. Wissler. 2,074,007; Mar. 16.
Amines, Manufacture of. C. E. Andrews. 2,073,671; Mar. 16.
Amusement device. J. Wunner. 2,074,009; Mar. 16.
Annealing cover. E. N. Milian. 2,074,093; Mar. 16.
Anthraquinone compounds, Preparation of. M. S. Whelen. 2,074,306; Mar. 16.
Antiskid device. C. L. Russell. 2,073,883; Mar. 16.
Anvil for stapling machines. S. A. Crosby. 2,073,960; Mar. 16.
Attaching means for wall facings. R. D. Haugaard. 2,073,795; Mar. 16.
Automobile storage device. E. M. Wheelock. 2,073,721; Mar. 16.
Axle, Vehicle. L. S. Brown. 2,073,829; Mar. 16.
Azodyestuffs, Insoluble. E. A. Markush. 2,074,186; Mar. 16.
Bag: *See*—
Sleeping bag.
Bag and making the same. D. Schmidt. 2,074,277; Mar. 16.
Balancing machine for rotating bodies. H. G. Welsford and H. Ulmann. 2,074,290; Mar. 16.
Bands, threads, foils, and tubes of artificial substances, Manufacture of flexible. E. Studt and F. Meyer. 2,074,285; Mar. 16.
Barrel, Core. G. C. Oliver. 2,073,876–7; Mar. 16.
Barrels, Making. W. E. Coakley. 2,073,684; Mar. 16.
Barrier control system. A. J. Duany and H. T. Randall. 2,073,834; Mar. 16.
Base, Annealing. J. A. Baker. 2,073,724; Mar. 16.
Bat and machine therefor, Manufacture of fiber. A. L. Spafford. 2,073,655; Mar. 16.
Bath tub. R. Mueller. 2,074,234; Mar. 16.
Battery terminal clamp. D. E. Williams and J. C. Whiteside. 2,073,980; Mar. 16.
Bearing. E. Benedek. 2,074,202; Mar. 16.
Bearing and seal, Antifriction. H. H. Edwards. 2,073,963; Mar. 16.
Bearing construction. L. R. Heim. 2,074,182; Mar. 16.
Beer coil cleaner. G. Pichler and W. Weichert. 2,074,187; Mar. 16.
Beet digging attachment. B. M. Lair. 2,073,939; Mar. 16.
Benzanthrone derivatives. I. M. Heilbron and F. Irving. 2,074,181; Mar. 16.
Beverage cooler. R. M. Seibert. 2,073,950; Mar. 16.
Binder for sheets of paper and the like, Temporary. F. B. Bolton. 2,074,316; Mar. 16.
Blade inspection method and apparatus. G. Dalkowitz. 2,073,832; Mar. 16.
Blank measuring and sorting machine. J. W. Johnston. 2,073,696–7; Mar. 16.
Blank turning and transfer mechanism. W. W. Criley. 2,074,104; Mar. 16.
Blind, Venetian. B. A. McGuinness. 2,073,972; Mar. 16.
Blood transfusion apparatus. F. T. Horiuchi. 2,074,223; Mar. 16.
Blouse, Lady's. F. W. Netsky. 2,074,153; Mar. 16.
Bolt actuating mechanism. W. G. Thurber. 2,074,244; Mar. 16.
Bolt turning machine and the like. A. Kiefer. 2,073,967; Mar. 16.
Borides, Making. C. W. Balke. 2,073,826; Mar. 16.
Bottle cleaning device. H. Keller. 2,073,746; Mar. 16.
Bottle stopping machine. L. M. Foss. 2,073,964; Mar. 16.
Bottoms of shoes, Pressing the. C. W. Greene. 2,073,633; Mar. 16.
Box: *See*—
Bread box. Chick box.
Box. F. R. Neely. 2,074,315; Mar. 16.
Bracelet, Jewel mounting flexible. I. Ciner. 2,074,046; Mar. 16.
Brake: *See*—
Electromagnetic brake. Hand brake.
Brake. R. de Filippis. 2,073,626; Mar. 16.
Bread box. F. L. Camache. 2,073,614; Mar. 16.
Break-off mechanism, Automatic. H. E. Pierce. 2,074,237; Mar. 16.
Bricks closed on all sides, Apparatus for producing hollow. J. Putterlik. 2,074,063; Mar. 16.
Bucket, Spinning. P. E. Harrison. 2,073,840; Mar. 16.
Buckle, Clamp. N. Tavani. 2,074,287; Mar. 16.
Building construction. S. S. Calafati. 2,073,781; Mar. 16.
Building unit and structure formed therefrom. C. G. Duffy. 2,073,735; Mar. 16.
Bumper post. S. W. Hayes. 2,073,694; Mar. 16.
Bung, Expanding. J. R. Wiley. 2,073,722; Mar. 16.
Cabinet and counter structure. M. H. Ackerman. 2,073,955; Mar. 16.
Cabinet, Refrigerating. E. Du Bois. 2,074,256; Mar. 16.
Cable reel, Explosionproof. N. A. Tornblom. 2,074,305; Mar. 16.
Calculating machine. E. Racz. 2,074,026; Mar. 16.
Camera. T. Lauritz. 2,073,640; Mar. 16.
Camera carriage. V. R. Raby. 2,073,998; Mar. 16.
Can and closure therefor. L. B. Meacham. 2,074,231; Mar. 16.
Can for packaging foods, Compartment. E. Holoubek. 2,073,636; Mar. 16.
Can holder. B. W. Conner. 2,074,212; Mar. 16.
Cap. C. E. McManus. 2,073,750; Mar. 16.
Cap, Bathing. F. Brighten. 2,074,208; Mar. 16.
Cap for sprayers and supply cylinders, Correlating. J. L. Novak. 2,073,753; Mar. 16.
Car trimmer. W. Gyger. 2,073,793; Mar. 16.
Carburetor. C. D. Price. 2,073,649; Mar. 16.
Carrier for freshly spun threads of artificial silk, Winding. T. Grauer. 2,074,217; Mar. 16.
Carton. S. Bergstein. 2,074,160; Mar. 16.
Cartridge feeding mechanism for automatic guns. S. G. Green. 2,073,632; Mar. 16.
Cartridge for blasting. J. Taylor and W. Young. 2,074,032; Mar. 16.
Case: *See*—
Cigarette case.
Casting machine for the casting of plain stereotype plates. E. Prockel. 2,073,675; Mar. 16.
Catch, Panel. H. A. Neff. 2,073,875; Mar. 16.
Catcher, Fly. R. A. Graef. 2,073,791; Mar. 16.
Cell, Electric storage. J. A. Downing. 2,073,734; Mar. 16.
Cellulose derivative products. H. Dreyfus. 2,073,687; Mar. 16.
Cellulose esters and production of same. F. Schulze. 2,073,853; Mar. 16.
Change, Apparatus for delivering. G. Gee. 2,073,789; Mar. 16.

Charge modifying attachment for engine intake manifolds. C. Strancke. 2,073,887; Mar. 16.
Check for doors and the like. H. I. Wolf. 2,074,008; Mar. 16.
Chemicals and preparing the same, Prepared. W. Barth and J. Forrest. 2,074,200; Mar. 16.
Chick box. G. Loth. 2,074,090; Mar. 16.
Chimney top, Vacuum. L. White and R. A. Compton, Jr 2,074,291; Mar. 16.
Cigar box. P. W. Fleischer. 2,074,314; Mar. 16.
Cigarette case. W. A. Dion. 2,073,962; Mar. 16.
Cinematographic effects in color and means therefor, Production of. A. G. Hillman. 2,073,798; Mar. 16.
Circuit control means, Electric. A. A. Emmerling. 2,074,145; Mar. 16.
Circuit controller. O. A. Ross. 2,073,808; Mar. 16.
Circuit controlling means, Electric. G. Tauschek. 2,074,002; Mar. 16.
Circuits, Automatic volume control. K. A. Chittick and W. L. Carlson. 2,074,014; Mar. 16.
Circulating vent control. H. A. Phail. 2,074,024; Mar. 16.
Clamp: *See*—
Battery terminal clamp.
Cleaner: *See*—
Beer coil cleaner. Flue cleaner.
Conduit cleaner.
Cleaner for electric motors, Commutator. G. H. Caley. 2,073,830; Mar. 16.
Cleaning and sorting machine, Article. W. E. Ghent. 2,073,837; Mar. 16.
Clock, Audible-signal. W. E. Porter. 2,074,025; Mar. 16.
Clock mechanism. E. S. Cole and A. Holst. 2,073,782; Mar. 16.
Clutch mechanism. A. Moorhouse. 2,073,705; Mar. 16.
Coal mining apparatus. G. D. Miller. 2,073,900; Mar. 16.
Coating applying machine for shoe parts. C. A. Newhall. 2,073,647; Mar. 16.
Coating composition. C. B. Hemming. 2,073,796; Mar. 16.
Coatings on electrically nonconducting substances by the thermal vaporization of metals in vacuo, Method and apparatus for the production of. L. A. Sommer. 2,074,281; Mar. 16.
Coding and decoding apparatus. W. S. Lemmon. 2,074,058; Mar. 16.
Coffeepot. S. McMahon. 2,074,230; Mar. 16.
Coin detector mechanism. G. J. Scofield. 2,073,949; Mar. 16.
Collapsible container. A. C. McKee. 2,074,229; Mar. 16.
Collar attaching means. R. N. Heldenbrand. 2,073,989; Mar. 16.
Color compound. J. M. Tinker and V. M. Weinmayr. 2,073,662; Mar. 16.
Colorimeter plunger. W. W. Graeper. 2,074,086; Mar. 16.
Comb, Air. H. J. Lynch. 2,073,970; Mar. 16.
Compass, Blackboard. E. W. Christy. 2,074,102; Mar. 16.
Composition for conditioning rugs. N. L. Cohen and C. W. Vincent. 2,073,831; Mar. 16.
Concealed hinge. G. Gotzinger. 2,073,689; Mar. 16.
Concrete distributing apparatus. A. P. Robinson and J. P. Faber. 2,074,073; Mar. 16.
Concrete paving material, Preparing bituminous. R. J. Scullin. 2,073,907; Mar. 16.
Conduit cleaner. K. V. Deem. 2,074,213; Mar. 16.
Contact masses, Apparatus for regeneration of. E. J. Houdry. 2,073,638; Mar. 16.
Container: *See*—
Collapsible container.
Container. F. Koch. 2,073,990; Mar. 16.
Container and container car. G. C. Woodruff. 2,073,982; Mar. 16.
Container closure. S. Lowen. 2,073,941; Mar. 16.
Container closure. W. T. Parkin. 2,073,707; Mar. 16.
Container discharging apparatus. I. H. Risser. 2,073,945; Mar. 16.
Container for container cars, Refrigerator. G. C. Woodruff. 2,073,981; Mar. 16.
Container for dispensing grease. H. Schrader. 2,074,241; Mar. 16.
Container loading apparatus. I. H. Risser. 2,073,944; Mar. 16.
Container sealing composition. C. J. Parker. 2,073,648; Mar. 16.
Containers, Device for the opening of. E. H. Weber. 2,074,156; Mar. 16.
Control device and circuits for hot water heating systems. F. C. Broderick. 2,073,676; Mar. 16.
Control device for electrical musical instruments. N. Langer. 2,074,151; Mar. 16.
Control mechanism. W. R. Griswold. 2,073,692; Mar. 16.
Control system, Pneumatic. E. H. Hammond and R. Beck. 2,073,838; Mar. 16.
Cooking machine. G. H. Bushway. 2,074,044; Mar. 16.
Cooler: *See*—
Beverage cooler.
Cooling and dispensing apparatus. A. Roren. 2,074,074; Mar. 16.
Copper sulphate, Manufacture of. M. Serciron. 2,073,977; Mar. 16.
Corrosion protection. F. W. Corkery. 2,073,783; Mar. 16.
Cotton picking machine. J. D. and M. D. Rust. 2,073,653; Mar. 16.
Couch, Studio. A. Krakauer. 2,074,019; Mar. 16.
Counter, Revolution. R. G. Moody. 2,073,646; Mar. 16.
Coupling: *See*—
Hose coupling.
Couplings, Making. M. E. Mitchell, P. E. Mortensen, and H. W. Fowler. 2,074,021; Mar. 16.
Couplings to hose ends, Attaching. H. D. Stecher. 2,073,909; Mar. 16.
Cover: *See*—
Annealing cover.
Cover for garment hangers. H. Taff. 2,074,243; Mar. 16.
Covering, Hand. C. L. Dunn. 2,074,144; Mar. 16.
Cracking, Art of. E. C. Herthel. 2,073,934; Mar. 16.
Cresols, Alkyl. G. W. Raiziss and L. W. Clemence. 2,073,995; Mar. 16.
Crusher and screen, Combined. O. J. Moussette, Sr. 2,074,233; Mar. 16.
Cultivator attachment. M. J. Sheffield. 2,073,884; Mar. 16.
Cup for milking machines, Teat. C. E. Ellison. 2,073,737; Mar. 16.
Cushion arch builder, Air. C. Sullivan. 2,074,286; Mar. 16.
Cutter: *See*—
Mat cutter.
Cutter positioning device for hobbing machines. W. F. Zimmermann. 2,073,917; Mar. 16.
Cutting edge, Renewable. H. E. Linden. 2,073,801; Mar. 16.
Cutting tool. W. W. Broughton. 2,073,678; Mar. 16.
Cylinders, Mechanism and method of marking, squeegeeing, and developing printing. G. A. Friess. 2,074,218; Mar. 16.
Dam. T. Becher. 2,073,956; Mar. 16.
Damper, Combined filter and automatic relief. M. L. Mueller. 2,074,152; Mar. 16.
Darning appliance. R. G. Macpherson. 2,073,993; Mar. 16.
Dehorner, Stock. C. F. Edmonson. 2,074,214; Mar. 16.
Desk manifolder. R. C. Root. 2,073,712; Mar. 16.
Device for the mounting of engines. E. P. and L. J. Renaux. 2,073,976; Mar. 16.
Device for using solid refrigerant to effect rapid cooling of small enclosed spaces. L. S. Keilholtz. 2,073,700; Mar. 16.
Dial indicator. J. G. Sisson. 2,074,279; Mar. 16.
Diaphragm valve. P. K. Saunders. 2,074,240; Mar. 16.
Diphenyl derivatives. W. G. Christiansen, S. E. Harris, and J. Lee. 2,073,683; Mar. 16.
Discharge control for paving machines. C. H. Wagner. 2,073,770; Mar. 16.
Discharge head for fluid containers. S. E. Allen. 2,073,670; Mar. 16.
Disk, Abrasive. J. Flatow and J. Pullman. 2,073,739; Mar. 16.
Dispenser: *See*—
Paper dispenser.
Dispensing device. C. O'Donnell. 2,074,269; Mar. 16.
Display device. F. A. Sunderlauf. 2,073,716; Mar. 16.
Display stand. A. J. Greene. 2,074,178; Mar. 16.
Door, Combined stoker and fire. P. A. Ketchpel. 2,074,124; Mar. 16.
Door hinge. F. G. Homan. 2,074,112; Mar. 16.
Draft gear. J. A. Shafer. 2,073,761; Mar. 16.
Drawing instrument. E. Ronnquist. 2,073,881; Mar. 16.
Drier. E. R. Zademach. 2,073,669; Mar. 16.
Drill press. W. G. Mitchell. 2,073,704; Mar. 16.
Drive connecting link. W. H. Radford. 2,073,852; Mar. 16.
Drum. C. H. Strupe. 2,074,193; Mar. 16.
Dust cloth broom holder. H. A. Britt. 2,074,209; Mar. 16.
Dye assistants and method of using, Vat. J. G. Kern. 2,074,150; Mar. 16.
Dyeing process, Continuous. J. H. Stradley. 2,074,031; Mar. 16.
Dyes, Manufacture of polymethine. W. Schneider. 2,073,759; Mar. 16.
Dyestuffs and their manufacture, Azo. A. Krebser. 2,074,225; Mar. 16.
Dyestuffs, Anthraquinone. N. H. Haddock, F. Lodge, and C. H. Lumsden. 2,074,179; Mar. 16.
Dyestuffs of the pyrazolone series, Manufacture of chromatable azo. J. Böhi. 2,073,728; Mar. 16.
Dynamo-electric generating apparatus. G. M. Pestarini. 2,074,236; Mar. 16.
Elbow, Stove and furnace pipe. H. Patterson. 2,074,023; Mar. 16.
Electric discharge device, Gaseous. H. A. Stone and F. Schaefer. 2,073,715; Mar. 16.
Electric discharge tube. H. J. Spanner and O. Gadamer. 2,073,885; Mar. 16.
Electric switch, Automatic coin controlled time registering. H. R. Smith. 2,073,765; Mar. 16.
Electric system, Supervised. H. C. Grant, Jr. 2,074,261; Mar. 16.
Electromagnetic brake. E. M. Fraser. 2,073,926; Mar. 16.
Electron discharge amplifier. F. L. Dechant. 2,074,047; Mar. 16.
Electron discharge device. B. Salzberg. 2,073,946; Mar. 16.

Electroplating apparatus. M. Brown and S. F. O'Connor. 2,073,679; Mar. 16.
Elevator: *See*—
Split collar type elevator.
Embankments, Culverting. W. B. Templeton and F. J. Jakoubek. 2,074,003; Mar. 16.
Engine: *See*—
Expansion engine. Two cycle engine.
Internal combustion engine.
Engine. V. W. Kliesrath. 2,073,871; Mar. 16.
Engine temperature control device. C. and F. C. Danuser. 2,074,168; Mar. 16.
Engines, Controlling the operation of steam. V. Z. Caracristi. 2,073,921; Mar. 16.
Engines, Device for internal combustion. H. W. Eden. 2,074,083; Mar. 16.
Eraser, Rotary. D. A. Dodson. 2,074,255; Mar. 16.
Esters of polycarboxytic aromatic acids. L. P. Kyrides. 2,073,937; Mar. 16.
Etching, Apparatus for electrical. L. E. Holland. 2,074,220; Mar. 16.
Evaporating apparatus. O. Faber. 2,073,738; Mar. 16.
Evaporator. H. A. Whitesel. 2,074,137; Mar. 16.
Exhibiting instrument. R. W. Ross. 2,074,117; Mar. 16.
Exhibiting instrument. I. M. Stein. 2,074,116; Mar. 16.
Expansion engine. J. M. Clark. 2,074,165; Mar. 16.
Fabric: *See*—
Tarnish and waterproof fabric.
Fabric, Making knitted. W. Micks. 2,073,703; Mar. 16.
Fabrics, Method and apparatus for weaving knotted. W. A. Rice and F. G. Shinn. 2,074,027; Mar. 16.
Fan, Portable electric. J. E. Fladeland. 2,073,868; Mar. 16.
Fastener: *See*—
Panel fastener. Separable fastener.
Fastener device for a bag. M. Rodin. 2,074,133; Mar. 16.
Fasteners or nails, Apparatus for making multiplex. J. H. McFaul. 2,073,942; Mar. 16.
Fasteners or nails, Making multiplex. J. H. McFaul. 2,073,943; Mar. 16.
Fastening device, Adjustable. P. Gardner. 2,074,107; Mar. 16.
Fastening means for insulating material. S. J. Irwin. 2,074,055; Mar. 16.
Feed mechanism. C. C. Gray and H. L. Johnson. 2,073,792; Mar. 16.
Feed wheel. H. P. Arnold. 2,074,199; Mar. 16.
Fence, Portable sectional. J. A. Sander. 2,073,947; Mar. 16.
Fibers from used textile materials, Recovering. I. V. Wilson. 2,073,916; Mar. 16.
File and record system. H. C. Dauphinais. 2,074,105; Mar. 16.
Fillerstractor. H. W. Longdin and J. C. Stanley. 2,074,267; Mar. 16.
Filling machine. H. R. Baldwin. 2,074,041; Mar. 16.
Film feeding device. C. S. Adler. 2,074,139; Mar. 16.
Film holder. G. A. Magnus and J. R. Whitacre. 2,073,644; Mar. 16.
Film material, Interwound. A. Abrams, C. L. Wagner, and G. W. Forcey. 2,074,313; Mar. 16.
Films, Device for developing photographic. H. Smith, Jr. 2,073,978; Mar. 16.
Filter. E. J. Koser. 2,073,991; Mar. 16.
Filter. H. S. Woodruff. 2,074,294; Mar. 16.
Firearm accessory. F. W. Poate. 2,073,755; Mar. 16.
Fire extinguishing apparatus with warning signal. S. E. Allen. 2,074,157; Mar. 16.
Fishhook release. P. Kempe. 2,074,057; Mar. 16.
Flame spreader. G. A. Huetteman and J. E. Leonard. 2,074,087; Mar. 16.
Flasher. C. H. Larson. 2,073,969; Mar. 16.
Flexible tool. M. B. O'Neil. 2,073,903; Mar. 16.
Flowerpot and making same. K. and E. Haysler. 2,073,695; Mar. 16.
Flue cleaner. C. F. Shultz. 2,073,811; Mar. 16.
Fluid control valve. J. B. Franks, Jr. 2,073,836; Mar. 16.
Fluid pressure generator. E. Benedek. 2,074,205; Mar. 16.
Flume, Controlling. P. F. Danel. 2,073,610; Mar. 16.
Folding table. A. B. Jackson. 2,074,123; Mar. 16.
Foods and the like which require roasting, Preparing. J. Schulman. 2,074,029; Mar. 16.
Foot controller. N. J. Baumel. 2,073,775; Mar. 16.
Footwear, Manufacture of cemented. W. A. Condon. 2,074,166; Mar. 16.
Form, Collapsible. H. C. Bostwick. 2,073,729; Mar. 16.
Frame: *See*—
Furniture frame. Heddle frame.
Framed structure. W. A. Tront. 2,073,889; Mar. 16.
Frames, Assembling. H. W. Neunherz. 2,073,848; Mar. 16.
Frames for producing pattern stripes running in zig-zag lines in the fabric, Device on double warp rib. M. Dallos. 2,073,961; Mar. 16.
Frequency regulating system. M. S. Mead, Jr. 2,074,126; Mar. 16.
Fruits and vegetables, Treating. J. N. Sharma. 2,073,854; Mar. 16.
Fuel admixtures, Generating gaseous. M. E. Carroll. 2,073,607; Mar. 16.
Fuel distributing valve. L. Beeh. 2,073,604; Mar. 16.
Functions of complementary heat exchange elements, Interchanging the. J. Vogler. 2,073,891; Mar. 16.
Fungicide. W. M. Dickson. 2,074,169; Mar. 16.
Furnace: *See*—
Melting furnace.
Furnace. F. B. Wadhams. 2,073,769; Mar. 16.
Furniture frame, Spring base seating. D. Hanauer. 2,073,693; Mar. 16.
Fuse, Cartridge. O. H. Jung and P. E. Heffelfinger. 2,074,056; Mar. 16.
Fuse control mechanism in combination with thermo-protective signal system, Multiple. A. U. Broune. 2,074,141; Mar. 16.
Fuse, Renewable. C. J. McHugh. 2,074,060; Mar. 16.
Galactan product and making same. S. F. Acree. 2,073,616; Mar. 16.
Game apparatus for amusement purposes. J. A. Bracewell. 2,074,207; Mar. 16.
Garment. J. W. Bour. 2,074,012; Mar. 16.
Garment. J. A. Boysen and V. E. Raddatz. 2,074,119; Mar. 16.
Garment. H. Goldstein. 2,073,929; Mar. 16.
Garment. J. Robinsohn. 2,073,711; Mar. 16.
Garment hanger. G. Reed. 2,073,805; Mar. 16.
Garment protector. R. A. McDonald. 2,074,071; Mar. 16.
Gate: *See*—
Adjustable film gate.
Gauge for batteries, Safety. P. R. Gerow. 2,074,260; Mar. 16.
Gear: *See*—
Draft gear. Steering gear.
Gears, Adjustment means for steering. H. Marles. 2,073,971; Mar. 16.
Generator: *See*—
Fluid pressure generator. Steam generator.
Impulse generator.
Glare intercepter. E. R. Armstrong. 2,074,247; Mar. 16.
Glass annealing lehr. C. Cone. 2,074,252; Mar. 16.
Gloves, Upkeep of nonporous. L. N. Bates. 2,074,140; Mar. 16.
Glycerides of fatty acids, Manufacture of. T. P. Hilditch and J. G. Rigg. 2,073,797; Mar. 16.
Goal post. J. Lefft and L. Fischer. 2,074,125; Mar. 16.
Golf practice device. F. B. Hewel. 2,074,146; Mar. 16.
Governor for motion picture cameras. C. E. Phillmore and J. H. Tobin. 2,073,803; Mar. 16.
Grease retainer with reenforced diaphragm. J. H. Victor and W. A. Heinze. 2,073,768; Mar. 16.
Grinder, Track. H. H. Talboys. 2,073,816; Mar. 16.
Grinding machine, A. W. Wigglesworth. 2,074,308; Mar. 16.
Grinding tool. A. H. Wolf. 2,073,861; Mar. 16.
Grinding wheel, Segmental. T. Larsson. 2,074,114; Mar. 16.
Guard for paper making machines, Rope. R. Carpenter. 2,074,045; Mar. 16.
Guard, Thumb or finger. G. M. Hovey. 2,074,113; Mar. 16.
Hair cutting machine. K. Marholt. 2,074,020; Mar. 16.
Hair drying apparatus. C. G. Gross. 2,074,018; Mar. 16.
Halides from photographic developing baths, Removal of excess. J. M. Blaney. 2,073,621; Mar. 16.
Hand brake. S. B. Haseltine. 2,073,794; Mar. 16.
Hand tool. W. Rush. 2,074,239; Mar. 16.
Hanger: *See*—
Garment hanger.
Head for cotton pickers. L. C. Stukenborg. 2,073,660; Mar. 16.
Heat treating apparatus. T. A. Schralshuhn. 2,074,312; Mar. 16.
Heater. H. Brendt. 2,073,674; Mar. 16.
Heating and cooling system, Convertible. B. F. Randel. 2,073,651; Mar. 16.
Heddle frame. J. J. Kaufmann. 2,073,935; Mar. 16.
Heel pad, Ventilated rubber cushion. W. J. Dwyer. 2,074,050; Mar. 16.
Helmet, Hair drying. E. J. C. Perkins. 2,074,270; Mar. 16.
Hinge: *See*—
Concealed hinge. Door hinge.
Holder: *See*—
Can holder. Pipe holder.
Dust cloth broom holder. Tennis ball holder.
Film holder. Ticket holder.
Holder for a glass, tooth brushes, and a paste tube. H. C. Barbour. 2,074,248; Mar. 16.
Holder for bale identification tags. G. E. Gaus. 2,074,069; Mar. 16.
Holder for spinning rings. H. E. Herr. 2,074,054; Mar. 16.
Holder for stick material. C. N. Coryell. 2,074,016; Mar. 16.
Holder for stick material. G. F. Richter. 2,073,999; Mar. 16.
Holder for yarn cones and the like. B. F. Kells. 2,073,842; Mar. 16.
Hose coupling. C. M. C. Baird. 2,073,824; Mar. 16.
Housing, Ventilated splashproof motor. V. L. Darnell. 2,074,067; Mar. 16.
Hub cap lock. B. J. Powell. 2,073,851; Mar. 16.
Humidifier. R. P. Willis. 2,073,915; Mar. 16.
Humidor. R. E. Harris. 2,074,122; Mar. 16.
Hydraulic apparatus. E. Benedek. 2,074,204; Mar. 16.
Hydrazines, Heterocyclic. O. Bayer, E. Herdieckerhoff, and H. Schindhelm. 2,073,600; Mar. 16.

Hydrocarbons, Treatment of. H. M. Weir and R. B. Chillas, Jr. 2,073,953; Mar. 16.
Hydrogen, Purifying. H. E. Moore. 2,074,311; Mar. 16.
Ice cream cone. A. Shapiro. 2,074,278; Mar. 16.
Ignition, Fuel oil burner. C. E. Vawter. 2,073,718; Mar. 16.
Illuminating system and prism therefor, Metallographic. L. V. Foster. 2,074,106; Mar. 16.
Impregnating composition. O. T. Hodnefield and W. W. Shartel. 2,073,634; Mar. 16.
Impulse generator. W. A. Tolson. 2,074,033; Mar. 16.
Incubator. J. L. Robbins. 2,074,190; Mar. 16.
Indicator: *See*—
Dial indicator.
Indicator dial, Motor operated. E. R. Wheeler and E. J. Sortore. 2,074,066; Mar. 16.
Insecticide and manufacture thereof. J. Ripert. 2,074,188; Mar. 16.
Instrument for measuring moisture. M. E. Dunlap. 2,073,611; Mar. 16.
Interference eliminating device. W. M. Robinson. 2,073,880; Mar. 16.
Internal combustion engine. G. M. Bicknell. 2,073,620; Mar. 16.
Internal combustion engine. C. R. Paton. 2,073,709; Mar. 16.
Iron, Electrically heated steam laundry and pressing. T. Stockton. 2,073,657; Mar. 16.
Iron, Steam laundry and pressing. T. Stockton. 2,073,658; Mar. 16.
Jacquard covering and tuck pattern device for flat hosiery frames. A. Lolmann. 2,074,089; Mar. 16.
Keyboard control mechanism. C. J. Fitch. 2,074,051; Mar. 16.
Key lever adjusting mechanism. J. F. Koca. 2,073,843; Mar. 16.
Knife, Paring. R. P. Askue. 2,073,618; Mar. 16.
Knife structure for trimming mechanism. J. Brussell. 2,073,920; Mar. 16.
Lamp stand. M. Ozick. 2,073,754; Mar. 16.
Latch for window operators. A. E. Strom. 2,073,910; Mar. 16.
Latch mechanism. J. H. Roethel. 2,074,191; Mar. 16.
Lens and making same, Ophthalmic. E. J. Reh. 2,074,072; Mar. 16.
Lift, Multipost. I. Von K. Hott. 2,074,148; Mar. 16.
Lighting device, Decorative. A. Stechbart. 2,074,154; Mar. 16.
Limb, Artificial. F. Ronowsky. 2,073,807; Mar. 16.
Lining, Woven friction. W. Nanfeldt. 2,074,128; Mar. 16.
Lip for lint ducts, Adjustable. J. A. Streun. 2,073,858; Mar. 16.
Liquid waterproofing composition of matter and method of manufacture. J. H. Gardthausen. 2,073,630; Mar. 16.
Lithographic plates, Apparatus for coating. R. Fritsche. 2,074,171; Mar. 16.
Lock: *See*—
Hub cap lock. Nut lock.
Locomotive control. E. Attesiander. 2,073,774; Mar. 16.
Loom for weaving, Weft-replenishing. W. Gledhill. 2,073,988; Mar. 16.
Loom harness. J. J. Kaufmann. 2,073,936; Mar. 16.
Loudspeaker and the like. R. R. Glen. 2,074,173; Mar. 16.
Lubricant, Nonleaking. J. C. Zimmer and E. W. Carlson. 2,074,039; Mar. 16.
Lubricating apparatus. E. W. Davis. 2,074,143; Mar. 16.
Lubricating compositions, Extreme pressure. R. L. Humphreys and B. B. Farrington. 2,073,841; Mar. 16.
Lubrication system and means, Specialized. L. L. Gray. 2,073,930; Mar. 16.
Macaroni products, Manufacture of. O. S. Rask. 2,074,064; Mar. 16.
Machine for applying foil to paper. F. E. Brooks. 2,073,780; Mar. 16.
Machine for manufacturing battery plate separators. W. G. Tower. 2,073,911; Mar. 16.
Magnetic blow-out device. J. G. Jackson. 2,073,965; Mar. 16.
Magnetic separator. S. G. Frantz. 2,074,085; Mar. 16.
Mandrel for forming tubes. A. P. Diescher. 2,074,048; Mar. 16.
Mandrels, Truing. J. Sunnen. 2,074,001; Mar. 16.
Manifold for internal combustion engines. M. E. Carroll. 2,073,608; Mar. 16.
Map holder, Tourist's. H. L. Martin. 2,074,298; Mar. 16.
Marker, Highway. C. C. Krebs. 2,073,968; Mar. 16.
Mask, Gas. F. Hofstötter. 2,074,219; Mar. 16.
Mat cutter. J. C. Steinmetz. 2,073,855; Mar. 16.
Material for the production of cellulose fiber, Treating vegetable fibrous. F. R. Chesley, Jr. 2,073,682; Mar. 16.
Material, Separation of. C. H. Shepherd. 2,073,952; Mar. 16.
Material, Spraying adhesive-coated. S. Bramsen. 2,073,779; Mar. 16.
Medicinal compounds. E. E. Stratton. 2,073,659; Mar. 16.
Melting furnace. J. J. Mader. 2,074,115; Mar. 16.
Mending device for knit goods, Ladder. R. Bellmann. 2,074,080; Mar. 16.
Mercury hydroxy mononuclear aromatic carboxylates, Aryl. C. N. Andersen. 2,074,040; Mar. 16.
Metal and the like, Apparatus for stamping and punching sheet. L. A. Wilkie. 2,073,893; Mar. 16.
Metal recovery. H. N. Gilbert. 2,073,631; Mar. 16.
Metal structures, Heat treating porous. A. J. Langhammer and W. G. Calkins. 2,074,185; Mar. 16.
Metallic surfaces, Decorating. L. V. Casto. 2,073,624; Mar. 16.
Metallurgical apparatus and process. E. L. Clair. 2,074,164; Mar. 16.
Metallurgical method. A. L. J. Queneau. 2,073,994; Mar. 16.
Metals, Apparatus for making composite. H. B. Allen. 2,074,296; Mar. 16.
Meter: *See*—
Photographic exposure meter.
Minute displacements, Gauging. E. R. Wigan. 2,073,913; Mar. 16.
Monogram for automobiles. A. Lowenfels. 2,073,844; Mar. 16.
Mop. J. D. Bates. 2,073,726; Mar. 16.
Motor: *See*—
Thrust motor.
Motor compressors, Travelling. J. Wohlmeyer. 2,074,293; Mar. 16.
Motor for oil well pumping systems. H. M. Salentine. 2,073,809; Mar. 16.
Mounting, Adjustable soundboard. V. L. and R. S. Koroncai. 2,073,747; Mar. 16.
Mounting, Bearing. R. D. Brouwer. 2,073,957; Mar. 16.
Mounting for bicycle wheels, Resilient. T. I. Duffy. 2,073,736; Mar. 16.
Mounting, Motor. C. W. Mapes, Z. C. Bradford, and E. B. Sleeter. 2,074,092; Mar. 16.
Mounting, Motor. W. W. Warner. 2,074,135; Mar. 16.
Mounting, Ophthalmic. G. A. Ellestad. 2,074,084; Mar. 16.
Mounting, Resilient. A. F. Welch. 2,074,136; Mar. 16.
Mounting system for high frequency circuits, Coil. V. D. Landon and W. H. Conron. 2,073,940; Mar. 16.
Musical vibration apparatus. V. H. Severy. 2,073,812; Mar. 16.
Nails, Repairing and lengthening finger. H. A. Feigenbaum. 2,073,867; Mar. 16.
Nitrosophenols, Producing. W. W. Moyer. 2,074,127; Mar. 16.
Nonrefillable attachment. J. W. Schieber. 2,074,274–5; Mar. 16.
Nozzle, Dispensing. F. Niesemann. 2,073,751; Mar. 16.
Nut lock. A. C. Favatt. 2,073,612; Mar. 16.
Objects visible in infra-red rays, Method of and apparatus for rendering. J. Kunz and F. Urbach. 2,074,226; Mar. 16.
Oil conversion, Hydrocarbon. H. C. Weber and W. H. McAdams. 2,074,196; Mar. 16.
Oil painting restoration. G. T. Oliver. 2,073,802; Mar. 16.
Oil scavenging pump, Lubricating. F. E. Stifter. 2,073,886; Mar. 16.
Oil, Solvent refining of lubricating. R. J. Dearborn and W. P. Gee. 2,074,254; Mar. 16.
Oil, Treatment of hydrocarbon. J. G. Alther. 2,074,198; Mar. 16.
Oils, Flourescent hydrocarbon. J. M. Tinker and V. M. Weinmayr. 2,074,288; Mar. 16.
Oils, Lubricating. L. Liberthson. 2,073,641; Mar. 16.
Oils, Process and apparatus for refining mineral. D. C. Brandt. 2,073,622; Mar. 16.
Oils, Treatment of hydrocarbon. A. M. Muckenfuss. 2,073,973; Mar. 16.
Opener, Can. T. L. Rush. 2,074,094; Mar. 16.
Optical illusion effects or the like. F. O. King. 2,074,297; Mar. 16.
Ores and similar materials, Treating. W. Bradley. 2,074,013; Mar. 16.
Orthostereoscopic representations, Apparatus for producing. H. F. Kurtz. 2,074,088; Mar. 16.
Package delivery arrangement. G. F. Roberts and J. I. Beyette. 2,073,806; Mar. 16.
Packing material for sealing joints. L. J. Clapsdale. 2,074,015; Mar. 16.
Packing, Pump piston. W. Toward. 2,073,888; Mar. 16.
Pad: *See*—
Heel pad.
Pan, Baking. P. S. Ward. 2,073,892; Mar. 16.
Panel board and making same. F. P. Wood. 2,073,894; Mar. 16.
Panel fastener. E. C. Loetscher. 2,073,897; Mar. 16.
Panel, Hollow. E. C. Loetscher. 2,073,896; Mar. 16.
Paper and making the same, Safety. B. W. Smith. 2,073,762–4; Mar. 16.
Paper manufacture. L. D. Smiley. 2,073,654; Mar. 16.
Paper dispenser. R. W. Ross. 2,073,719; Mar. 16.
Papers, Device for marking valuable. G. E. Von Berg. 2,073,820; Mar. 16.
Pasting machine. O. R. Stelzer. 2,074,065; Mar. 16.
Pattern controlled machine tool, Combined. B. Sassen. 2,074,095; Mar. 16.
Pavements of high structural strength and making same, Bituminous. C. M. Baskin. 2,074,010; Mar. 16.
Photoelectric converter. L. J. Andres. 2,073,773; Mar. 16.
Photograph and film washing machine. L. A. Bonish. 2,074,100; Mar. 16.
Photographic developer solutions, Regeneration of. L. Weisberg and W. F. Greenwald. 2,073,664; Mar. 16.

Photographic exposure meter. W. N. Goodwin, Jr. 2,073,790; Mar. 16.
Photographic material for producing dyestuff images. B. Gaspar. 2,074,259; Mar. 16.
Photographic recording of sound. G. L. Dimmick. 2,074,049; Mar. 16.
Picture apparatus, Talking motion. A. Shoup. 2,074,030; Mar. 16.
Picture system utilizing continuously moving film, Motion. F. W. Hoorn. 2,073,637; Mar. 16.
Pie or like filling or depositing apparatus. E. Christiansen. 2,073,731; Mar. 16.
Pinholder. J. F. Beach. 2,073,602; Mar. 16.
Pipe: *See*—
Tobacco smoking pipe.
Pipe construction, Tobacco. A. L. Vogel. 2,073,663; Mar. 16.
Pipe holder. L. C. Tilbury. 2,073,859; Mar. 16.
Piston. H. C. Edwards. 2,073,866; Mar. 16.
Piston. M. Spengler. 2,074,282; Mar. 16.
Piston, Light metal. E. Mahle. 2,074,228; Mar. 16.
Plant, Central mixing. J. F. Robb. 2,073,652; Mar. 16.
Plate for stair treads and the like, Composite. J. Schmeller, Sr. 2,073,738; Mar. 16.
Plates, Apparatus for etching. L. E. Holland. 2,074,222; Mar. 16.
Plates, Etching. L. E. Holland. 2,074,221; Mar. 16.
Plug: *See*—
Spark plug.
Plug for washbasins or the like. F. A. Luther. 2,073,899; Mar. 16.
Polishing machine. O. Doutt. 2,073,786; Mar. 16.
Post: *See* —
Bumper post. Goal post.
Pounder, Clothes. L. Carpentieri. 2,073,681; Mar. 16.
Power transmitting device. W. T. Dunn. 2,074,170; Mar. 16.
Power transmitting mechanism. H. A. Wilson. 2,073,668; Mar. 16.
Power transmitting member, Wedge shaped. A. Maurer. 2,073,846; Mar. 16.
Press: *See*—
Drill press.
Press for making wax patterns. C. R. Perkins. 2,073,850; Mar. 16.
Pressure control valve. J. K. MacKinnon. 2,074,091; Mar. 16.
Pressure distillation, Process and apparatus for. D. G. Brandt. 2,074,120; Mar. 16.
Pressure relief valve. R. E. Uphoff. 2,074,195; Mar. 16.
Priming means for centrifugal pumps. E. F. Doty. 2,073,733; Mar. 16.
Propeller tip centrifugal pitch control. J. H. Jacobs. 2,074,149; Mar. 16.
Prophylactic, Venereal. S. M. Corbett. 2,073,625; Mar. 16.
Protecting attachment for artificial bait. J. Fravel. 2,074,258; Mar. 16.
Protector: *See*—
Garment protector. Scalp protector.
Protector for electrical appliances. R. H. Bailey. 2,074,159; Mar. 16.
Proteins, Hardening. C. J. Wernlund. 2,073,666; Mar. 16.
Pulp, Treating wet basic carbonate white lead. E. D. Turnbull. 2,073,817; Mar. 16.
Pump: *See*—
Oil scavenging pump.
Pump. E. Benedek. 2,074,203; Mar. 16.
Pump. C. Tweedie. 2,074,004; Mar. 16.
Pump and transmission unit, Submergible. C. C. Brown, S. N. Van Wert, and A. Arutunoff. 2,073,623; Mar. 16.
Pump and unloading means. C. L. Rayfield. 2,073,710; Mar. 16.
Pump or motor. W. Ferris. 2,074,068; Mar. 16.
Pump or motor, Hydraulic. E. K. Benedek. 2,074,206; Mar. 16.
Pusher plate. W. A. van Berkel. 2,073,860; Mar. 16.
Radiator. M. G. Boerger. 2,073,778; Mar. 16.
Radio communication system, Ultrashort wave modulated carrier wave. A. A. Linsell. 2,073,642–3; Mar. 16.
Radio frequency distribution system. P. J. Herbst 2,073,933; Mar. 16.
Radio tube. H. P. Pratt. 2,073,804; Mar. 16.
Rail winder. N. L. Solomon. 2,073,815; Mar. 16.
Rayon and the like, Apparatus for spinning. O. Oppenlaender. 2,074,022; Mar. 16.
Rayon spinning cakes, Sizing of. J. J. Stoeckly and E. Witte. 2,073,857; Mar. 16.
Razor. E. Siegel. 2,073,713; Mar. 16.
Razor. E. Siegel. 2,073,714; Mar. 16.
Reagent and treating crude oils. P. R. Hershman 2,074,183; Mar. 16.
Recorder: *See*—
Scale controlled recorder.
Recorder. R. W. Ross and S. H. Seberhagen. 2,074,118; Mar. 16.
Recording instrument. R. C. Buell. 2,074,142; Mar. 16.
Rectification, Method of and apparatus for controlling. S. S. Smith. 2,073,908; Mar. 16.
Reel for coiling wire. J. Gassen. 2,073,920; Mar. 16.
Refrigerating apparatus. J. L. Gibson. 2,073,741; Mar. 16.
Refrigerating apparatus. C. A. Stickel. 2,073,656; Mar. 16.
Refrigeration. C. F. Henney. 2,073,744; Mar. 16.
Refrigeration apparatus. E. Wilson. 2,073,771; Mar. 16.
Registering system. E. N. Anderson. 2,073,983; Mar. 16.
Relief valve. J. M. Wilkins. 2,074,292; Mar. 16.
Residence number sign. R. J. Smith. 2,074,280; Mar. 16.
Rheostat or adjustable resistance and potentiometers with contact members. H. Nottebrock. 2,073,849; Mar. 16.
Rim, wheel, and tire. A. C. Stevenson. 2,074,284; Mar. 16.
Road grading machine. J. S. Burns. 2,074,081; Mar. 16.
Rolls, Treating rubber. W. L. Kauffman. 2,073,895; Mar. 16.
Roofing, Process and apparatus for surfacing. R. A. Holdsworth. 2,074,147; Mar. 16.
Roofing, Process and apparatus for surfacing. B. S. Penley. 2,074,130; Mar. 16.
Roofing, Process and apparatus for surfacing. B. S. Penley and R. A. Holdsworth. 2,074,131; Mar. 16.
Roofing, Standing lap seam. G. D. Overholtz. 2,073,706; Mar. 16.
Rosin and its production, High melting point. P. Schnorf. 2,074,192; Mar. 16.
Safety device for fountain pens and the like. J. F. Beach. 2,073,601; Mar. 16.
Sample sacker. C. R. Willfley. 2,073,914; Mar. 16.
Saw, Frame. E. Löf. 2,073,898; Mar. 16.
Scale. H. L. Walker. 2,073,912; Mar. 16.
Scale controlled recorder. E. J. Von Pein. 2,074,006; Mar. 16.
Scale, Dump weight. E. J. Von Pein and P. J. Schlezsiger. 2,074,005; Mar. 16.
Scalp protector, Hair waving. H. F. Thompson. 2,073,767; Mar. 16.
Seismograph. L. W. Blau and L. Statham. 2,074,043; Mar. 16.
Separable fastener. S. M. Ward. 2,074,035–6; Mar. 16.
Separator: *See*—
Magnetic separator.
Settling tank. W. W. Sayers, R. F. Bergmann, and H. F. Watson. 2,073,810; Mar. 16.
Sewage and waste material, Apparatus and method for drying and incinerating. F. B. Schilling. 2,074,028; Mar. 16.
Sewage treating process. B. P. Domogalla. 2,074,082; Mar. 16.
Sewing machine, Ornamental seam. S. Zonis. 2,074,310; Mar. 16.
Shearing apparatus for taped bags and the like. L. A. Cundall. 2,074,167; Mar. 16.
Sheet stock cutting machine. R. O. Berg and S. Berg. 2,073,776; Mar. 16.
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Sheller, Corn. D. H. Gilson. 2,073,742; Mar. 16.
Shield, Pick out. M. L. Rudolph. 2,074,238; Mar. 16.
Ship's signaling system. R. R. Glen. 2,074,172; Mar. 16.
Shock absorbing suspension. W. A. Chryst. 2,074,103; Mar. 16.
Shoe. W. H. Goodyear. 2,074,121; Mar. 16.
Shoes, Manufacture of. P. Baroni and S. Baroni. 2,073,725; Mar. 16.
Sifter, Flour. J. S. Bowman. 2,074,162; Mar. 16.
Sight. J. S. Stewart. 2,073,856; Mar. 16.
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Signal device. J. B. Harris, Jr., and C. B. Bowman. 2,074,263; Mar. 16.
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Silencer for gaseous currents. N. H. Servais. 2,073,951; Mar. 16.
Silk, Manufacture of artificial. H. A. Schrenk. 2,073,906; Mar. 16.
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Silk, Process and apparatus for drying artificial. A. J. L. Moritz. 2,074,232; Mar. 16.
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Spark plug. E. J. Bushey. 2,073,865; Mar. 16.
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Spoon with exchangeable blade, Pile wire. A. Groth. 2,074,053; Mar. 16.
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Stove, Folding camp. J. Slezak. 2,073,813; Mar. 16.
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Time-lag cathode circuit arrangement. E. Lazzarini. 2,073,701; Mar. 16.
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Timer, Cycle. H. J. Brandenburger. 2,073,828; Mar. 16.
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Toy, Revolving. S. Berman. 2,073,919; Mar. 16.
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Turnstile. P. C. Osteen. 2,073,904; Mar. 16.
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Valve and testing device, Relief. E. W. Lowe. 2,074,268; Mar. 16.
Valve for use in inflated balls, Air. S. Suzuki. 2,073,766; Mar. 16.
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Ventilation of closed rooms, Process and a plant for the. J. Stauber. 2,074,283; Mar. 16.
Vibrater, Acetylene generator feed valve. M. P. De Motte. 2,073,785; Mar. 16.
Viscosimeter. J. N. Goodier. 2,074,174–5; Mar. 16.
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Wall, Masonry. J. T. Blake. 2,073,673; Mar. 16.
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2,074,268
2,074,292
138— 41: 2,073,863
94: 2,073,740
139— 5: 2,074,027
33.5: 2,073,993
44: 2,074,053
91: 2,073,935
92: 2,073,936
238: 2,073,988
143— 84: 2,073,898
144— 42: 2,073,911
145— 61: 2,073,903
146— 202: 2,073,837
217: 2,073,860
148— 1: 2,074,185
4: 2,073,783
31: 2,073,901
150— 34: 2,073,845
52: 2,074,159
151— 25: 2,073,612
152— 14: 2,073,883
21: 2,074,284
154— 2: 2,073,894
2,074,313
196— 4: 2,074,183
9: 2,073,729
35: 2,073,780
45: 2,074,055
49: 2,073,831
54.5: 2,073,918
155— 50: 2,073,693
2,073,872
179: 2,073,777
156— 17: 2,073,972
158— 115: 2,073,966
116: 2,074,087
159— 17: 2,073,738
44: 2,073,825
164— 49: 2,074,167
65: 2,073,776
83: 2,073,855
94: 2,073,893
166— 14: 2,073,890
167— 21: 2,074,169
24: 2,074,188
55: 2,073,659
58: 2,073,625
169— 11: 2,074,157
170— 162: 2,074,149
171— 119: 2,074,145
252: 2,073,760
313: 2,074,236
320: 2,073,830
172— 36: 2,074,067
281: 2,074,126
290: 2,074,134
293: 2,074,129
173— 259: 2,073,980
367: 2,074,305
175— 115: 2,073,718
176— 122: 2,073,715
126: 2,073,885
177— 7: 2,073,667
2,074,263
2,074,266
327: 2,074,011
329: 2,074,246
337: 2,073,828
2,074,066
351: 2,073,913
2,073,948
352: 2,074,043
355: 2,074,262
178— 42: 2,074,189
45: 2,073,933
179— 1: 2,074,172
7.1: 2,073,756
27: 2,073,752
100.3: 2,074,030
2,074,049
100.31: 2,073,773
171: 2,074,047
180— 1: 2,073,823
54: 2,073,613
79.1: 2,074,251
181— 0.5: 2,074,161
2,074,173
31: 2,073,747
42: 2,073,951
183— 39: 2,074,152
71: 2,074,294
188— 78: R. 20,299
80: 2,073,626
81: 2,074,075
104: 2,073,926
184: 2,073,803
189— 34: 2,074,000
36: 2,073,889
192— .01: 2,073,774
3: 2,073,772
3.5: 2,073,692
111: 2,073,705
142: 2,073,862
150: 2,073,967
194— 4: 2,073,904
6: 2,073,834
10: 2,073,870
103: 2,073,949
196— 4: 2,074,183
11: 2,073,953
17: 2,074,254
35: 2,073,973
48: 2,073,934
2,074,120
65: 2,074,196
96: 2,074,198
132: 2,073,908
140: 2,073,622
197— 4: 2,074,058
17: 2,074,051
22: 2,073,902
33: 2,073,843
133: R. 20,296
2,074,097
198— 15: 2,074,300
2,074,301
2,074,302
2,074,303
2,074,304
26: 2,073,944
27: 2,073,945
199— 66: 2,074,216
200— 60: 2,073,782
33: 2,074,138
38: 2,073,765
39: 2,073,743
46: 2,074,002
52: 2,073,808
84: 2,074,260
97: 2,073,969
113: 2,074,060
2,074,141
131: 2,074,056
139: 2,073,757
2,074,132
144: 2,073,965
201— 48: 2,073,849
2,074,151
204— 1: 2,074,221
5: 2,073,679
2,074,220
2,074,222
9: 2,073,621
2,073,664
21: 2,073,631
205— 4: 2,074,271
21: 2,074,224
206— 40.5: 2,073,702

206—	41:	2,073,962	221—	47.5:	2,073,930	235—	104:	2,073,646	250—	40:	2,073,940	260—	154:	2,073,995	285—	212:	2,074,042
	56:	2,073,999		62:	2,073,707	236—	9:	2,073,676	251—	39:	2,074,240			2,073,996		213:	2,074,023
		2,074,016		73.5:	2,073,670		82:	2,073,838		58:	2,073,727			2,073,997	287—	119:	2,074,107
		2,074,241			2,073,688	237—	78:	2,073,915		75:	2,073,604	261—	14:	2,073,649	288—	1:	2,073,768
	65:	2,073,842		102:	2,074,041	240—	10:	2,074,154		155:	2,074,091		90:	2,074,265	290—	38:	2,073,645
208—	101:	2,073,736	223—	61:	2,074,140		81:	2,073,754	254—	93:	2,074,148		116:	2,074,178	292—	137:	2,074,133
	181:	2,073,708		87:	2,073,805	242—	55.2:	2,073,719	255—	23:	2,073,859	262—	22:	2,073,900		202:	2,073,897
209—	88:	2,073,696		98:	2,074,071		83:	2,073,928		72:	2,073,876	263—	49:	2,073,724		251:	2,073,875
		2,073,697			2,074,243		104:	2,073,644			2,073,877			2,074,093	294—	90:	2,074,109
	122:	2,073,832	224—	5:	2,074,180		118:	2,074,217	257—	3:	2,073,677	265—	1:	2,074,079	295—	38:	2,073,829
	155:	2,073,952		29:	2,073,749		131:	2,073,818		9:	2,073,651		11:	2,074,174	296—	37:	2,074,176
	224:	2,074,085	225—	1:	2,073,950	244—	47:	2,074,099		24:	2,073,947			2,074,175		44:	2,073,874
	251:	2,074,162		12:	2,074,187		52:	2,074,098		154:	2,073,778		48:	2,074,005			2,073,878
210—	2:	2,074,082		40:	2,074,074		91:	2,074,201	259—	107:	2,073,925		68:	2,073,912		97:	2,074,247
	11:	2,073,784	226—	18:	2,073,655		105:	2,073,864	260—	2:	2,073,619	266—	4:	2,074,312	298—	35:	2,074,101
	43:	2,073,847		39:	2,074,065	246—	3:	2,073,748			2,074,192		33:	2,074,115	299—	69:	2,074,052
	55:	2,073,810		58:	2,073,914		39:	2,074,163		13:	2,074,040	267—	19:	2,073,639		88:	2,073,753
	84:	2,073,991		92:	2,073,964	248—	5:	2,073,976		25:	2,073,954		20:	2,074,103	303—	54:	2,073,836
213—	35:	2,073,761	229—	6:	2,074,090		26:	2,074,092		44:	2,073,600		21:	2,073,873	308—	187.2:	2,073,963
214—	16.1:	2,073,721		23:	2,074,229			2,074,136		44.6:	2,073,728		49:	2,073,882		202:	2,074,202
	41:	2,073,793			2,074,315		108:	2,074,248		53:	2,073,759	271—	2.3:	2,074,139		212:	2,074,182
	59:	2,074,073		29:	2,074,160		124:	2,073,968		54:	2,074,186	272—	8:	2,074,297		236:	2,073,957
215—	22:	2,074,274		30:	2,074,314		154:	2,074,212		57:	2,074,306		31:	2,073,919	309—	8:	2,073,886
		2,074,275		41:	2,073,614	250—	1:	2,074,226			2,074,307	273—	35:	2,074,146		10:	2,074,282
	39:	2,073,750		51:	2,074,156		8:	2,074,037			2,074,309		55:	2,074,125		11:	2,073,866
217—	109:	2,073,722		60:	2,074,277		16:	2,073,880		60:	2,074,179		65:	2,073,766		14:	2,074,228
219—	8:	2,073,603	230—	3:	2,074,293		17:	2,073,642		61:	2,073,662		102:	2,074,009		29:	2,073,888
		2,074,276		209:	2,074,184			2,073,643			2,074,181		145:	2,074,207	311—	82:	2,074,123
	29:	2,073,820		273:	2,073,868		20:	2,074,014		93:	2,074,225	277—	19:	2,073,891	312—	36:	2,073,698
220—	1.5:	2,073,990	232—	41:	2,073,806		27:	R. 20,297		102:	2,073,853		20:	2,073,751		38:	2,074,077
	15:	2,073,981	234—	1:	2,074,117			2,073,701		103:	2,073,937		27:	2,074,245		84:	2,074,269
	20:	2,073,636		1.5:	2,074,142		27.5:	2,073,804		109:	2,074,127	280—	33.1:	2,073,617		116:	2,073,955
	22:	2,073,635		70:	2,074,116			2,073,946		112:	2,073,799		33.4:	R. 20,292			
	48:	2,073,941			2,074,118			2,074,253		123:	2,073,685		106:	2,074,158			
	60:	2,074,231	235—	60:	2,074,017		35:	2,073,672			2,073,686		112:	2,074,289			
	85:	2,074,267			2,074,026		36:	R. 20,293		124:	2,073,683	282—	3:	2,073,712			
	47.3:	2,074,143		61:	2,074,006			2,074,033		127:	2,073,671	285—	120:	2,073,824			

U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Albers Bros. Milling Co., Portland, Oreg., San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Calif., and Seattle, Tacoma, and Spokane, Wash. Poultry feeds. Serial No. 388,298; Mar. 23. Class 46.

Almar Chemical Co. (See Poll, David.)

American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Building bricks, adobe bricks. Serial No. 387,933; Mar. 23. Class 12.

American Polytect Corporation, New York, N. Y. Composition adapted to be applied to walls or objects to form a coating thereon. Serial No. 383,457; Mar. 23. Class 12.

Antoine de Paris, Inc., New York, N. Y. Skin cream, lipstick, and lipstick refills. Serial No. 385,719; Mar. 23. Class 6.

Ash, Jacob, doing business as Ash's, New York, N. Y. Women's fur coats. Serial No. 383,867; Mar. 23. Class 39.

Ash's. (See Ash, Jacob.)

Ashworth Advertising Company, Incorporated, New York, N. Y. Shaving cream. Serial No. 387,363; Mar. 23. Class 4.

Atlanta Paper Company, Atlanta, Ga. Paper bags and boxes. Serial No. 387,971; Mar. 23. Class 2.

Auto-Rapid Products Corporation, New York, N. Y. Automobile tops. Serial No. 386,566; Mar. 23. Class 19.

Bancroft, Joseph, & Sons Co., Rockford, Wilmington, Del. Cotton piece goods. Serial No. 388,255; Mar. 23. Class 42.

Bar & Grill Publications Inc., New York, N. Y. Periodical. Serial No. 386,977; Mar. 23. Class 38.

Barionette Company, Inc., Long Island City, N. Y. Ornamental receptacles. Serial Nos. 387,364–7; Mar. 23. Class 2.

Berger, Mannie. (See Driwood Corporation, assignor.)

Bird & Son, Inc., East Walpole, Mass. Floor covering. Serial No. 388,559; Mar. 23. Class 20.

Bird & Son, Inc., East Walpole, Mass. Floor covering. Serial No. 388,668; Mar. 23. Class 20.

Bireley's, Inc., Hollywood, Calif. Beverages and syrups, extracts and concentrates used in making the same. Serial No. 387,980; Mar. 23. Class 45.

Black Flag Company, The, Baltimore, Md. Insecticides. Serial No. 388,118; Mar. 23. Class 6.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Medicinal preparation. Serial No. 387,022; Mar. 23. Class 6.

Calcinite Chemicals, Inc., Yonkers and New York, N. Y. Chemicals or chemical preparations for the elimination of rust and scale. Serial No. 386,563; Mar. 23. Class 6.

Campbell, John, & Co., New York, N. Y. Dyes and dyestuffs. Serial No. 387,738; Mar. 23. Class 6.

Canfield Oil Company, The, Cleveland, Ohio. Oil soap. Serial No. 381,257; Mar. 23. Class 4.

Canhali. (See Salomon, Meyer J.)

Carter Drug Company, Carlisle, Pa. Ointment. Serial No. 387,451; Mar. 23. Class 6.

Cerene Company. (See Hogan Advertising Company.)

Chicago Flexible Shaft Company, Chicago, Ill. Liquid sprayers. Serial No. 388,120; Mar. 23. Class 23.

Chiltenham and Company. (See National Silver Company.)

Chlorit Manufacturing Corp., doing business as Chlorit Chemical Corp., Brooklyn, N. Y. Bleach, deodorant, germicide, etc. Serial No. 383,387; Mar. 23. Class 6.

Civic Activities Association, Rockford, Ill. Publications and periodicals. Serial No. 368,401; Mar. 23. Class 38.

Clark Equipment Company. (See Frost Gear and Forge Company, assignor.)

Clicquot Club Company, Millis, Mass. Beverages and syrups, extracts, and flavors used in making the same. Serial No. 387,986; Mar. 23. Class 45.

Club Razor & Blade Manufacturing Corporation, Newark, N. J. Razor blades. Serial No. 388,259; Mar. 23. Class 23.

Comfortaire Corporation, Minneapolis, Minn. Evaporative humidification and cooling units. Serial No. 351,612; Mar. 23. Class 34.

Commonwealth Shoe and Leather Company, Whitman, Mass. Shoes. Serial No. 387,580; Mar. 23. Class 39.

Coopers, Incorporated, Kenosha, Wis. Swim trunks. Serial No. 387,778; Mar. 23. Class 39.

Cosmopolitan Manufacturing Co., Inc., Cambridge, Mass. Raincoats, vests, jackets, etc. Serial No. 385,662; Mar. 23. Class 39.

Cowles Detergent Company, The, Cleveland, Ohio. Detergent composition. Serial No. 387,498; Mar. 23. Class 4.

Crowell Publishing Company, The, New York, N. Y. Magazine column. Serial No. 387,116; Mar. 23. Class 38.

Crown Cork & Seal Company, Inc., Baltimore, Md. Machinery for conveying containers, etc., and parts of such machines, etc. Serial No. 387,269; Mar. 23. Class 23.

Derris, Inc., New York, N. Y. Liquid rubless floor wax and furniture polish. Serial No. 388,391; Mar. 23. Class 16.

De Witt-Seltz Co., Duluth, Minn. Mattresses. Serial No. 387,304; Mar. 23. Class 32.

Dictograph Products Company, Inc., New York, N. Y. Hearing aids and audible signal making attachments for hearing aid devices. Serial No. 387,499; Mar. 23. Class 44.

Ditto, Incorporated, Chicago, Ill. Book series. Serial No. 384,701; Mar. 23. Class 38.

Dorothy Gray Salons, Bloomfield, N. J. Perfume and face powder. Serial No. 387,865; Mar. 23. Class 6.

Drexel Blade Company. (See Spors, Frank.)

Driwood Corporation, assignor to Mannie Berger, New York, N. Y. Partitions, doors, wood molding, and wood trim. Serial No. 383,354; Mar. 23. Class 12.

Eastern Battery Corp., Boston, Mass. Automobile batteries. Serial No. 387,272; Mar. 23. Class 21.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic lenses. Serial No. 388,091; Mar. 23. Class 26.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic cameras and films. Serial No. 388,092; Mar. 23. Class 26.

Econ-O-Heat Burner & Boiler Co. (See Wagle, Lewis S.)

Enameled Steel Sign Company, Chicago, Ill. Mechanical steel signs. Serial No. 381,356; Mar. 23. Class 50.

Enterprise Manufacturing Company of Pennsylvania, The, Philadelphia, Pa. Vegetable and fruit juice extractors. Serial No. 388,230; Mar. 23. Class 23.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial fish bait. Serial No. 388,771; Mar. 23. Class 22.

Eppens, Smith Company, Inc., New York, N. Y. Tea balls and tea. Serial No. 387,994; Mar. 23. Class 46.

Fairplay Knitting Mills. (See Stoumen, Bernard.)

Fine Arts Association, Chicago, Ill. Portraits, paintings, pictures, etc. Serial No. 387,895; Mar. 23. Class 38.

Fishman, Allen, doing business as Ka-zene Laboratories, Minneapolis, Minn. Nose drops. Serial No. 387,996; Mar. 23. Class 6.

Flintkote Company, The, New York, N. Y. Mineral wool or similar thermal insulation material. Serial No. 387,036; Mar. 23. Class 12.

Flock Brewing Co., Williamsport, Pa. Beer and ale. Serial No. 388,231; Mar. 23. Class 48.

Florin, Philip, Inc., New York, N. Y. Traveling cases. Serial No. 385,477; Mar. 23. Class 3.

Fox, Samuel, New York, N. Y. Ladies' sport shirts, play suits, blouses, and pajamas. Serial No. 387,823; Mar. 23. Class 39.

Friedman, J., & Co., New York, N. Y. Coats, vests, pants, etc. Serial No. 387,321; Mar. 23. Class 39.

Frost Gear and Forge Company, Jackson, assignor to Clark Equipment Company, Buchanan, Mich. Gears and gear forgings. Serial No. 385,576; Mar. 23. Class 23.

Frost, Owen D., doing business as Willow Spring Farm, Millington, N. J. Composition for use in plucking birds. Serial No. 386,938; Mar. 23. Class 6.

Fruit Products Corporation, Belleville, N. J. Cherries in glass containers. Serial Nos. 372,472–3; Mar. 23. Class 46.

General Illumination Engineering Company, The, Cincinnati, Ohio. Light directors for interior electric lighting fixtures. Serial No. 375,231; Mar. 23. Class 34.

Globe Roofing Products Co. Inc., Chicago, Ill. Asphalt composition roofing and building papers. Serial No. 387,900; Mar. 23. Class 12.

Goldman, Isaac E., doing business as Parrot Distributing Company, Des Moints, Iowa. Film view toy. Serial No. 388,499; Mar. 23. Class 22.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Anti-freeze solution. Serial No. 386,859; Mar. 23. Class 6.

Green, Charles A., Philadelphia, Pa. Lubricating grease dispensing apparatus. Serial No. 385,480; Mar. 23. Class 23.

Hagan Corporation, Pittsburgh, Pa. Temperature measuring and controlling devices. Serial No. 378,785; Mar. 23. Class 26.

Handcraft Import Co., Inc., New York, N. Y. Children's dresses and blouses. Serial No. 384,746; Mar. 23. Class 39.

Harbor Plywood Corporation, Hoquiam, Wash. Plywood. Serial No. 387,828; Mar. 23. Class 12.

Harris & Ewing, Washington, D. C. Photographs. Serial No. 386,803; Mar. 23. Class 38.

Harrison, Graeme, Products, Inc., New York, N. Y. Adhesive tapes. Serial Nos. 381,452–4; Mar. 23. Class 5.

Harrison, Graeme, Products, Inc., New York, N. Y. Adhesive tapes. Serial No. 381,456; Mar. 23. Class 5.

Hellick, Geo. F., Coffee Company, The, Easton, Pa. Tea. Serial No. 387,440; Mar. 23. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Hogan Advertising Company, doing business as Cerene Company, Kansas City, Mo. Medicine for the relief of periodic pains. Serial No. 387,186; Mar. 23. Class 6.
Holyoke Heater Company, Holyoke, Mass. Luminous gas flame burners and parts thereof. Serial No. 384,465; Mar. 23. Class 34.
Hoosier Bait Company, Kokomo, Ind. Fishing line floats. Serial No. 388,642; Mar. 23. Class 22.
Hotstream Heater Company, The, Cleveland, Ohio. Control valves for water heaters. Serial No. 373,920; Mar. 23. Class 13.
Hughes, Alice, New York, N. Y. Newspaper column or department. Serial Nos. 387,868–9; Mar. 23. Class 38.
Huppert, Max, Putnam, Conn. Light wines. Serial No. 376,996; Mar. 23. Class 47.
Indestructible Pearl Bead Makers Inc., New York, N. Y. Jewelry. Serial No. 386,428; Mar. 23. Class 28.
International Shoe Co., St. Louis, Mo. Boots and shoes. Serial No. 387,039; Mar. 23. Class 39.
Joyce, William H., doing business as Joyce Beauty Products Co., New York, N. Y. Hair waving solutions. Serial No. 372,015; Mar. 23. Class 6.
Ka-zene Laboratories. (See Fishman, Allen.)
Kent Pea Growers Company. (See Kuramoto, Harry S.)
Kentucky Boone Coal Company, Chicago, Ill. Coal. Serial Nos. 387,190–1; Mar. 23. Class 1.
Kesler, Robert, New Hope, Pa. Cards bearing letters and adapted for use in playing a game like lotto. Serial No. 387,705; Mar. 23. Class 22.
Klotzman, A., Baltimore, assignor to Maryland Distillery, Incorporated, Relay, Md. Whiskey. Serial Nos. 373,793–5; Mar. 23. Class 49.
Knott, Wm. T., Company, Inc., New York, N. Y. Curtains and woven, knitted, netted, and textile and pile fabrics. Serial No. 378,405; Mar. 23. Class 42.
Kowalski, Mary, doing business as New Life Herb Company, Chicago, Ill. Roots and herbs for heartburn, etc. Serial No. 383,115; Mar. 23. Class 6.
Kuramoto, Harry S., doing business as Kent Pea Growers Company, Auburn, Wash. Fresh vegetables. Serial No. 380,008; Mar. 23. Class 46.
Lavino, E. J., and Company, Philadelphia, Pa. Refractory bricks, refractory plastics, and refractory cements. Serial No. 388,009; Mar. 23. Class 12.
Leek, T. Gostage, assignor to West Virginia Pulp & Paper Company, New York, N. Y. Face powder. Serial No. 377,120; Mar. 23. Class 6.
Lion Corporation, The, Buffalo, N. Y. Hosiery. Serial No. 386,899; Mar. 23. Class 39.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Crackers, biscuits, and cakes. Serial Nos. 387,335–6; Mar. 23. Class 46.
Lo Presti Food Products Co., Chicago, Ill. Edible oils. Serial No. 386,544; Mar. 23. Class 46.
Ludgates, Ltd., New York, N. Y. Clothing and accessories. Serial No. 387,792; Mar. 23. Class 39.
MacQuithy, Norman C., doing business as Rid Products, Terre Haute, Ind. Mange salve or ointment. Serial No. 386,683; Mar. 23. Class 6.
Maison Joubert, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 387,089; Mar. 23. Class 6.
Malcolm & Engel, New York, N. Y. Women's, misses', and children's hats and caps, scarfs, etc. Serial No. 373,861; Mar. 23. Class 39.
Mann Food Corporation, The, Newton Center, Mass. Baked beans. Serial No. 367,669; Mar. 23. Class 46.
Marvel Company, The, New Haven, Conn. Fountain and douche syringes. Serial No. 388,617; Mar. 23. Class 44.
Maryland Distillery, Incorporated. (See Klotzman, A., assignor.)
Mead Johnson & Company, Evansville, Ind. Combination screw caps and droppers for bottles. Serial No. 387,833; Mar. 23. Class 50.
Mechling Brothers Chemical Company, Camden, N. J. Insecticides. Serial No. 387,913; Mar. 23. Class 6.
Merck & Co. Inc., Rahway, N. J. Medicines. Serial No. 387,795; Mar. 23. Class 6.
Merrimac Hat Corporation, New York, N. Y. Women's and children's hats and hat bodies. Serial No. 374,422; Mar. 23. Class 39.
Michigan Steel Casting Company, Detroit, Mich. Conveyor rolls and rollers for all types of conveyors, rolls for glass working machinery, tube rolls for paper machines, etc. Serial No. 385,375; Mar. 23. Class 23.
Mid-Kent Products Co., The, Larkfield, England. Polish for motor-cars, furniture, and finished wood surfaces. Serial No. 387,284; Mar. 23. Class 16.
Midland Sales Company, Providence, R. I. Fluid seals. Serial No. 387,002; Mar. 23. Class 35.
Midland Sales Company, Providence, R. I. Bearings. Serial No. 387,046; Mar. 23. Class 23.
Midway Chemical Co., Chicago, Ill. Water-proofing compounds. Serial No. 386,438; Mar. 23. Class 4.
Miller Medicals Inc., Indianapolis, Ind. Tablets for cold, etc. Serial No. 384,185; Mar. 23. Class 6.
Miner's, Inc., New York, N. Y. Cosmetic preparations. Serial No. 387,508; Mar. 23. Class 6.
Minute Foods Ltd., Los Angeles, Calif. Pectin preparation for making jelly. Serial No. 384,006; Mar. 23. Class 46.
Miraflex, Inc., New Haven, Conn. Pose reflecting mirror systems. Serial No. 388,017; Mar. 23. Class 32.
Molly-'es Doll Outfitters, Inc., Philadelphia, Pa. Dolls' clothes. Serial No. 383,475; Mar. 23. Class 22.
Myco-Lac Mineral-Yeast Company, The, Atchison, Kans. Medicated mineral feed for live stock and poultry. Serial No. 387,250; Mar. 23. Class 6.
National Drug Company, The, Philadelphia, Pa. Solution having medicinal properties. Serial No. 382,882; Mar. 23. Class 6.
National Silver Company, doing business as Chiltenham and Company, New York, N. Y. Sterling silver and silver plated flatware and hollow ware. Serial No. 378,223; Mar. 23. Class 28.
New Life Herb Company. (See Kowalski, Mary.)
Nicholson, Roscoe M., doing business as Nicholson Chemical Co., Los Angeles, Calif. Preventative for venereal disease. Serial No. 386,869; Mar. 23. Class 6.
Nickey Brothers, Inc., Memphis, Tenn. Hardwood veneer. Serial No. 387,510; Mar. 23. Class 12.
Normax Products, Incorporated, Cleveland, Ohio. Laxative compound. Serial No. 386,687; Mar. 23. Class 6.
Nox Laboratories. (See Scobell, Sidney B.)
Nutty Brown Mills. (See Sears, Conrad A.)
Old Dutch Mills, Inc., New York, N. Y. Coffee, tea, and cocoa. Serial No. 387,876; Mar. 23. Class 46.
Pacific Distillers, Inc., Culver City, Calif. Denatured alcohol. Serial No. 387,918; Mar. 23. Class 6.
Pam Pam. (See Peery, David H.)
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. Serial No. 388,723; Mar. 23. Class 22.
Parrot Distributing Company. (See Goldman, Isaac E.)
Peerless Handcuff Company, Springfield, Mass. Handcuffs. Serial No. 388,463; Mar. 23. Class 25.
Peery, David H., doing business as Pam Pam, Hollywood, Calif. Fruit juices for food purposes. Serial No. 385,150; Mar. 23. Class 46.
Pendergast, T. J., Wholesale Liquor Co. Inc.; Kansas City, Mo. Whiskey, gin, rum, etc. Serial No. 386,268; Mar. 23. Class 49.
Pharma-Clinical Laboratories. (See Weiner, Louis I.)
Philadelphia Inquirer Company, The, Philadelphia, Pa. Newspaper column. Serial No. 387,951; Mar. 23. Class 38.
Pioneer Rubber Mills, San Francisco, Calif. Hose. Serial No. 388,142; Mar. 23. Class 35.
Poll, David, doing business as Almar Chemical Co., New York, N. Y. Castor oil laxative. Serial No. 387,596; Mar. 23. Class 6.
Professional Publications, Inc., Minneapolis, Minn. Periodical. Serial No. 387,559; Mar. 23. Class 38.
Prudential Knitting Mills, Philadelphia, Pa. Sweater sport coats, sweaters, bathing suits, knit scarfs. Serial No. 387,302; Mar. 23. Class 39.
Puritan Soap Company, Rochester, N. Y. Fluid mixture for use in hydraulic brake systems and a liquefied mixture for stopping leaks in automobile radiators and similar uses. Serial No. 387,920; Mar. 23. Class 6.
Puritan Soap Company, Rochester, N. Y. Oil for use in shock absorbers for automobiles. Serial No. 387,922; Mar. 23. Class 15.
Rabinowitz, Bernard, Fur Corporation, New York, N. Y. Fur skins. Serial No. 386,377; Mar. 23. Class 1.
Rallet Corporation of America, Wilmington, Del. Perfumes, toilet waters, eau de colognes, etc. Serial No. 387,560; Mar. 23. Class 6.
Recreation Equipment Co., Denver, Colo. Table game. Serial No. 387,143; Mar. 23. Class 22.
Refiners Lubricating Company, Inc., New York, N. Y. Anti-freeze solution. Serial No. 387,877; Mar. 23. Class 6.
Reliance Manufacturing Company, Chicago, Ill. Work shirts. Serial No. 385,607; Mar. 23. Class 39.
Rid Products. (See MacQuithy, Norman C.)
Roselle Frocks Manufacturing Co., Inc., New York, N. Y. House aprons, uniforms, smocks, etc. Serial No. 385,608; Mar. 23. Class 39.
Rothman & Baden, Inc., New York, N. Y. Jewelry. Serial No. 386,973; Mar. 23. Class 28.
St. Arnauld, Albert, Detroit, Mich. Self locking container. Serial No. 386,664; Mar. 23. Class 12.
Saks & Company, New York, N. Y. After shaving lotion and after shaving powder. Serial No. 386,453; Mar. 23. Class 6.
Salomon, Meyer J., doing business as Canhall and Canhall Packing Company, Chicago, Ill. Prepared food products. Serial No. 388,280; Mar. 23. Class 46.
Sandoz Chemical Works, Inc., New York, N. Y. Pharmaceutical preparation. Serial No. 388,071; Mar. 23. Class 6.
Santa Barbara Citrus Juice Co., Inc., Orange, Calif. Imitation lemon juice. Serial No. 383,786; Mar. 23. Class 46.
Schwartz, Tillie L., doing business as Tee-El-Ess Company, Brooklyn, N. Y. Slenderizing drink. Serial No. 387,517; Mar. 23. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Schwarzenbach Huber Co., The, New York, N. Y. Piece goods. Serial No. 387,841; Mar. 23. Class 42.
Scobell, Sidney B., doing business as Nox Laboratories, Toronto, Ontario, Canada. Powder for the relief of hyperacidity and sour stomach. Serial No. 380,719; Mar. 23. Class 6.
Sears, Conrad A., doing business as Nutty Brown Mills, Houston, Tex. Mixed cotton seed and wheat flour, bread, and pancake or muffin flour, etc. Serial No. 367,108; Mar. 23. Class 46.
Selmer, H. & A., Inc., Elkhart, Ind. Saxophones. Serial No. 371,042; Mar. 23. Class 36.
Shaver, H. A., Inc., Lakeland, Fla. Canned pimientos. Serial No. 383,825; Mar. 23. Class 46.
Sherer, Russell S., Akron, Ohio. Frozen confections. Serial Nos. 388,244–5; Mar. 23. Class 46.
Shoecraft, Inc., New York, N. Y. Women's shoes. Serial No. 388,075; Mar. 23. Class 39.
Siccardi Publications, Inc., Hackensack, N. J. Publication. Serial No. 383,234; Mar. 23. Class 38.
Silk Corporation of America, New York, N. Y. Chocolate syrup used for flavoring milk. Serial No. 386,559; Mar. 23. Class 46.
Smedley, John, Limited, Lea Mills, near Matlock, Derbyshire, England. Women's garments. Serial No. 385,907; Mar. 23. Class 39.
Smith, Edward G., New York, N. Y. Card games and cards for playing said games. Serial No. 388,464; Mar. 23. Class 22.
Spors, Frank, doing business as Spors Company and Drexel Blade Company, Le Center, Minn. Razor blades. Serial No. 387,291; Mar. 23. Class 23.
Staley Milling Company, North Kansas City and Kansas City, Mo. Milled grain products and preparations thereof. Serial No. 382,728; Mar. 23. Class 46.
Staley Milling Company, North Kansas City and Kansas City, Mo. Corn meal, cracked corn, mixed poultry feeds, etc. Serial No. 382,841; Mar. 23. Class 46.
Standard Oil Company of New Jersey, Wilmington, Del. Asphalt. Serial No. 387,758; Mar. 23. Class 12.
Stoumen, Bernard, doing business as Fairplay Knitting Mills, Philadelphia, Pa. Bathing suits, sweaters, and polo shirts. Serial No. 388,033; Mar. 23. Class 39.
Straub, W. F., & Company, Chicago, Ill. Toilet preparation. Serial No. 387,360; Mar. 23. Class 6.
Street & Smith Publications, Inc., New York, N. Y. Periodical. Serial No. 387,928; Mar. 23. Class 38.
Sussman, Wormser & Co., San Francisco, Calif. Fruit juices. Serial No. 388,150; Mar. 23. Class 45.
Swisher, Jno. H., & Son, Inc., Jacksonville, Fla. Cigars. Serial No. 383,753; Mar. 23. Class 17.
Syndicate-Alliance Trading Co., Inc., New York, N. Y. Women's and misses' sport coats, outer skirts, suits, etc. Serial No. 386,701; Mar. 23. Class 39.
Tee-El-Ess Company. (See Schwartz, Tillie L.)
Teich, Curt, & Company, Inc., Chicago, Ill. Multi-colored post-cards and pictorial illustrations. Serial No. 385,136; Mar. 23. Class 38.
Textile Machine Works, Wyomissing, Reading, Pa. Yarn-treating devices in the nature of attachments for textile machinery. Serial No. 373,347; Mar. 23. Class 23.
Thomasville Chair Company, Thomasville, N. C. Furniture. Serial No. 378,595; Mar. 23. Class 32.
Tide Water Associated Oil Company, Wilmington, Del., and New York, N. Y. Gasoline, lubricating oils and greases. Serial No. 388,208; Mar. 23. Class 15.
Tru-Lyte Laboratories, Oakland, Calif. Hair tint, hair shampoo, and hair tint developer. Serial No. 387,010; Mar. 23. Class 6.
Union Oil Company of California, Los Angeles, Calif. Paint thinners and mineral spirits used as a diluent and turpentine substitute. Serial No. 388,157; Mar. 23. Class 16.
Union Rock Wool Corp., Wabash, Ind. Rock wool products for insulation purposes. Serial No. 387,843; Mar. 23. Class 12.
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. Serial Nos. 388,379–80; Mar. 23. Class 22.
United States Printing and Lithograph Company, Cincinnati, Ohio. Lithographied, printed, and mechanically reproduced pictures and representations. Serial No. 387,636; Mar. 23. Class 38.
Universal Automatic Water Softener and Purifier Co. (See Yost, George W.)
Valvoline Oil Company, Cincinnati, Ohio, and New York, N. Y. Lubricating oils and greases. Serial No. 387,095; Mar. 23. Class 15.
Vancouver Plywood & Veneer Company, Vancouver, Wash. Inlaid plywood for walls and ceilings. Serial No. 380,166; Mar. 23. Class 12.
Victor Mercantile Co., Los Angeles, Calif. Shirts. Serial No. 387,358; Mar. 23. Class 39.
Vimpep Foods, Inc., Cambridge, Md. Canned dog food. Serial No. 387,844; Mar. 23. Class 46.
Vitamint Corporation, Boston, Mass. Facial and body cosmetic creams and oils. Serial No. 386,228; Mar. 23. Class 6.
Vogue Rubber Company, Chicago, Ill. Automobile tires and tubes. Serial No. 359,823; Mar. 23. Class 35.
Vulcan Corporation, Portsmouth, Ohio. Shoe heels. Serial No. 380,468; Mar. 23. Class 39.
Wagle, Lewis S., doing business as Econ-O-Heat Burner & Boiler Co., Metuchen, N. J. Oil burner. Serial No. 387,637; Mar. 23. Class 34.
Wald, Solomon A., New York, N. Y. Beverage. Serial No. 388,077; Mar. 23. Class 45.
Walgreen Co., Chicago, Ill. Electric curling irons, and electric food mixers. Serial No. 380,370; Mar. 23. Class 21.
Waterbury Clock Company, The, Waterbury, Conn. Watches. Serial Nos. 388,738–9; Mar. 23. Class 27.
Weiner, Louis I., doing business as Pharma-Clinical Laboratories, New York, N. Y. Suppositories. Serial No. 386,783; Mar. 23. Class 6.
Wesley Steel Treating Company, Milwaukee, Wis. Trade publication. Serial No. 379,325; Mar. 23. Class 38.
West Coast Soap Company, Oakland, Calif. Granulated laundry soap. Serial No. 381,180; Mar. 23. Class 4.
West Virginia Pulp & Paper Company. (See Leek, T. Gostage, assignor.)
Whitehead Metal Products Company of New York, Inc., New York, N. Y. Kitchen cabinets. Serial No. 388,168; Mar. 23. Class 32.
Whitehurst Chemical Research Corporation, New York, N. Y. Head production and retention compound. Serial No. 387,720; Mar. 23. Class 48.
Whitehurst Chemical Research Corporation, New York, N. Y. Beverage-clearing compound. Serial No. 387,721; Mar. 23. Class 48.
Wilkins, John H., Company, Washington, D. C. Coffee. Serial No. 368,872; Mar. 23. Class 46.
Williams, J. H., & Co., Buffalo, N. Y. Clamps and pipe tools. Serial No. 387,098; Mar. 23. Class 23.
Willow Spring Farm. (See Frost, Owen D.)
Woodford County Distillery Co., Midway, Ky. Whiskey. Serial Nos. 388,813–5; Mar. 23. Class 49.
Woodford County Distillery Co., Midway, Ky. Whiskey. Serial No. 388,817; Mar. 23. Class 49.
Wortendyke Manufacturing Company, Richmond, Va. Gummed papers and wrapping paper. Serial No. 387,766; Mar. 23. Class 37.
Yost, George W., doing business as Universal Automatic Water Softener and Purifier Co., Chicago, Ill. Water softener and water purifier. Serial No. 387,960; Mar. 23. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Fastener Corporation, Chicago, Ill. Stapling machines and staples therefor. 344,366; Mar. 23; Serial No. 369,469; published Jan. 5, 1937. Class 37.
Acme Cleaner Manufacturing Company, assignor to The Climax Cleaner Manufacturing Company, Cleveland, Ohio. Wall-paper cleaner. 117,076; renewed June 19, 1937.
Albek, Albert, Inc., Los Angeles, Calif. Wax in solid form soluble in water and used in the preparation of creams, etc., and for the manufacture of cosmetics. 344,494; Mar. 23. Class 6.
American Automobile Association, Incorporated, Washington, D. C. Signs, badges, medals, etc. 344,376; Mar. 23; Serial No. 382,024; published Jan. 5, 1937. Class 50.
American Automobile Association, Incorporated, Washington, D. C. Overalls, raincoats, and belts. 344,381; Mar. 23; Serial No. 383,047; published Dec. 29, 1936. Class 39.
American Cigarette & Cigar Company, New York, N. Y. Cigarettes. 344,387; Mar. 23; Serial No. 386,575; published Jan. 12, 1937. Class 17.
American Crayon Company, The, Sandusky, Ohio. Leads and lead dispensers for mechanical lead pencils and papers. 344,442; Mar. 23; Serial No. 373,349; published Jan. 5, 1937. Class 37.
American Dirigold Corporation, The, Kokomo, Ind. Gravy ladles, cake ladles, tea strainers, etc. 344,368; Mar. 23; Serial No. 372,195; published Jan. 12, 1937. Class 13.
American Oil Company, The, Baltimore, Md. Tire chains. 344,441; Mar. 23; Serial No. 373,288; published Mar. 10, 1936. Class 13.
Arist Soares & Ca. Successor. (See Cohn, Samuel.)
Aron, J., & Company, Inc., New Orleans, La. Rice. 344,418; Mar. 23; Serial No. 385,385; published Jan. 12, 1937. Class 46.

Ashley, Raymond E., Waban, Mass. Portable carrier devices adapted for use upon the tops of automobiles. 344,493; Mar. 23. Class 19.

Autographic Register Company, Hoboken, N. J. Continuous writing strips interleaved with carbon strips and writing sheets with interleaved carbon sheets for use in manifolding registers, etc. 344,472–3; Mar. 23; Serial Nos. 385,025–6; published Jan. 12, 1937. Class 37.

Auto-Kamp Equipment Co., Inc., assignor, by mesne assignments, to Auto-Kamp Trailer Company, Saginaw, Mich. Automobile-trailers. 115,057; renewed Jan. 23, 1937.

Axel, Helen, doing business as Slyde On Neckwear Company, Philadelphia, Pa. Men's neckwear (ties). 344,499; Mar. 23. Class 39.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes and smoking tobacco. 344,400; Mar. 23; Serial No. 384,495; published Jan. 12, 1937. Class 17.

Baby Calf Distributors, Inc., New York, N. Y. Leather skins and leather hides. 344,378; Mar. 23; Serial No. 382,785; published Jan. 12, 1937. Class 1.

Baff, Abraham, doing business as The Baff Manufacturing Co., North Arlington, N. J. Fountain feed pens. 344,497; Mar. 23. Class 37.

Bercut Richards Packing Company, Sacramento, Calif. Canned fruits, canned vegetables, canned Spanish style hot sauce. 344,419; Mar. 23; Serial No. 385,389; published Jan. 12, 1937. Class 46.

Berzer, M., Co. Inc., New York, N. Y. Textile fabrics. 344,396; Mar. 23; Serial No. 384,351; published Jan. 12, 1937. Class 42.

Binyon, R. G., & Co., San Francisco, Calif. Cleanser for artificial dentures. 344,401; Mar. 23; Serial No. 384,498; published Jan. 12, 1937. Class 4.

Blackman, Julius, Inc., doing business as Supreme Pharmaceutical Company, Chicago, Ill., assignor, by mesne assignments, to Julius Blackman Corporation, New York, N. Y. Pharmaceutical preparations. 344,354; Mar. 23; Serial No. 355,877; published Dec. 4, 1934. Class 6.

Blue Blaze Coal Company, Clarksville, Ark. Cont. 344,449; Mar. 23; Serial No. 378,127; published Jan. 12, 1937. Class 1.

Blumenthal, Sidney, & Company, to Sidney Blumenthal & Company, Inc., New York, N. Y. Plushes. 114,868; renewed Jan. 9, 1937.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 116,878; renewed June 5, 1937.

Bossemeyer Bros., Superior, Nebr. Chick mash, chick feed, growing mash, etc. 344,371; Mar. 23; Serial No. 381,392; published Jan. 12, 1937. Class 46.

Bowne, A. D., & Co., Inc., New York, N. Y. Leather skins and leather hides. 344,375; Mar. 23; Serial No. 381,963; published Jan. 5, 1937. Class 1.

Brach, E. J., & Sons, Chicago, Ill. Candy. 344,465; Mar. 23; Serial No. 384,878; published Jan. 12, 1937. Class 46.

Bradley, Milton, Company, Springfield, Mass. Board game. 344,439; Mar. 23; Serial No. 386,071; published Jan. 12, 1937. Class 22.

Brick, Alexander, Los Angeles, Calif. Textile fabrics. 344,373; Mar. 23; Serial No. 381,830; published Jan. 12, 1937. Class 42.

Brown, Emerson, New York, N. Y. Superheaters. 344,447; Mar. 23; Serial No. 376,893; published Aug. 25, 1936. Class 34.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cloth. 344,361; Mar. 23; Serial No. 369,328; published Jan. 12, 1937. Class 42.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cloth. 344,362–4; Mar. 23; Serial Nos. 369,331–3; published Jan. 12, 1937. Class 42.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cloth. 344,365; Mar. 23; Serial No. 369,335; published Jan. 12, 1937. Class 42.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cues. 344,483–4; Mar. 23; Serial Nos. 386,339–40; published Jan. 12, 1937. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables. 344,485; Mar. 23; Serial No. 386,341; published Jan. 12, 1937. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cues. 344,486–8; Mar. 23; Serial Nos. 386,348–50; published Jan. 12, 1937. Class 22.

Burry Biscuit Corporation, Linden, N. J. Cookies. 344,461; Mar. 23; Serial No. 384,840; published Jan. 12, 1937. Class 46.

Butler Paper Corporations, Chicago, Ill. Papers. 344,383; Mar. 23; Serial No. 383,203; published Jan. 12, 1937. Class 37.

California Prune and Apricot Growers' Association, San Jose, Calif. Dried fruit. 344,450; Mar. 23; Serial No. 378,183; published Sept. 29, 1936. Class 46.

Cameron Heartometer Co., Chicago, Ill. Charts for use in connection with apparatus for ascertaining and recording conditions of the circulatory system. 344,437; Mar. 23; Serial No. 385,776; published Jan. 12, 1937. Class 26.

Carroon & Company, Fowler, Ind. Canned vegetables. 344,458; Mar. 23; Serial No. 380,755; published Jan. 12, 1937. Class 46.

Cavendish Trading Corporation, New York, N. Y. Silverplated flatware and hollow-ware. 344,398; Mar. 23; Serial No. 384,449; published Jan. 12, 1937. Class 28.

Celanese Corporation of America, New York, N. Y. Piece goods. 344,469; Mar. 23; Serial No. 384,956; published Jan. 12, 1937. Class 42.

Cilocon Corporation, The, Detroit, Mich. Nursing nipples. 344,446; Mar. 23; Serial No. 375,984; published Jan. 12, 1937. Class 44.

Climax Cleaner Manufacturing Company, The. (See Acme Cleaner Manufacturing Company, assignor.)

Coelln, Ott, doing business as Ott Coelln Associates, Chicago, Ill. Periodical. 344,389; Mar. 23; Serial No. 383,676; published Jan. 5, 1937. Class 38.

Cohn, Samuel, doing business as Arist Soares & Ca. Successor, Oporto, Portugal. Wines. 344,352; Mar. 23; Serial No. 346,900; published Jan. 12, 1937. Class 47.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. 344,430–1; Mar. 23; Serial Nos. 385,659–60; published Jan. 12, 1937. Class 23.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. 344,432–3; Mar. 23; Serial No. 385,684–5; published Jan. 12, 1937. Class 23.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. 344,481; Mar. 23; Serial No. 385,658; published Jan. 12, 1937. Class 23.

Commercial Shirt Corporation, New York, N. Y. Jewelry. 344,468; Mar. 23; Serial No. 384,920; published Jan. 12, 1937. Class 28.

Consolidated Wire and Associated Corporations, Chicago, Ill. Electrical and radio apparatus generally, but particularly including line cords and plugs; miscellaneous electrical parts, etc. 344,374; Mar. 23; Serial No. 381,905; published Sept. 29, 1936. Class 21.

Continental Motors Corporation, Detroit, Mich. Portable electric power producing plant, electric generators, battery chargers, e'c. 344,456; Mar. 23; Serial No. 380,387; published Jan. 12, 1937. Class 21.

Continental Screw Company, New Bedford, Mass. Screws, bolts, rivets, etc. 344,380; Mar. 23; Serial No. 382,823; published Jan. 12, 1937. Class 13.

Coöperatieve Producenten Handelsvereeniging, Gouda, Netherlands. Cheese, condensed milk, milk powder, etc. 344,384; Mar. 23; Serial No. 383,295; published Jan. 12, 1937. Class 46.

Corn Products Refining Company, New York, N. Y. Brewers' corn syrup. 344,393; Mar. 23; Serial No. 384,029; published Jan. 12, 1937. Class 46.

Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper. 344,453; Mar. 23; Serial No. 379,468; published Aug. 25, 1936. Class 37.

Dairymen's League Co-operative Association, Inc., Utica and New York, N. Y. Cream. 344,443; Mar. 23; Serial No. 374,180; published Jan. 12, 1937. Class 46.

Detroit Dental Manufacturing Co., Detroit, Mich. Coating for models of dental impressions. 344,490; Mar. 23. Class 44.

Ditto, Incorporated, Chicago, Ill. Paper. 344,426; Mar. 23; Serial No. 385,568; published Jan. 12, 1937. Class 37.

Donaldson Radio and Electric Co., Kansas City, Mo. Radio antennae. 344,438; Mar. 23; Serial No. 385,781; published Jan. 12, 1937. Class 21.

Dry Fruit Products Corporation, Oakland, Calif. Bread. 344,357; Mar. 23; Serial No. 364,126; published Jan. 12, 1937. Class 46.

Dyersburg Cotton Products, Inc., Dyersburg, Tenn. Piece goods. 344,462; Mar. 23; Serial No. 384,845; published Jan. 5, 1937. Class 42.

Eagle Signal Corporation, Moline, Ill. Timing mechanisms for electric circuits. 344,385; Mar. 23; Serial No. 383,390; published Jan. 12, 1937. Class 21.

Eastman Kodak Co., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic developers. 115,743; renewed Mar. 6, 1937.

Economics Laboratory, Inc., St. Paul, Minn. Cleaning compound. 344,369; Mar. 23; Serial No. 372,662; published Jan. 12, 1937. Class 4.

Esterbrook Steel Pen Manufacturing Company, The, Camden, N. J. Pens and fountain pens. 344,397; Mar. 23; Serial No. 384,413; published Jan. 12, 1937. Class 37.

Ever-Nu Laboratories. (See Ladd, A. M.)

Federated Metals Corporation, New York, N. Y. Type metal. 344,498; Mar. 23. Class 14.

French, R. T., Company, The, Rochester, N. Y. Mustard. 344,455; Mar. 23; Serial No. 380,272; published Jan. 12, 1937. Class 46.

Fried & Reineman Packing Company, Pittsburgh, Pa. Ham, bacon, lard, etc. 117,542; renewed July 17, 1937.

Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Wines. 344,353; Mar. 23; Serial No. 355,399; published Oct. 2, 1934. Class 47.

Gatkowski, Zenon, to Sinclair G. Stanley, Chicago, Ill., successor. Herbs for treatment of diseases. 117,309; renewed July 3, 1937.

General Felt Products Inc., Brooklyn, N. Y. Coated fabrics, particularly oiled silk. 344,405; Mar. 23; Serial No. 384,704; published Jan. 12, 1937. Class 50.

General Mills, Inc., Minneapolis, Minn. Flour. 344,388; Mar. 23; Serial No. 383,526; published Jan. 12, 1937. Class 46.

Gilster Milling Company. (See Steeleville Milling Company, assignor.)

Gluckstein, Francesca, London, England. First aid container and equipment. 344,421; Mar. 23; Serial No. 385,479; published Jan. 12, 1937. Class 44.

Graton & Knight Company, Worcester, Mass. Leather belting. 344,434; Mar. 23; Serial No. 385,689; published Jan. 12, 1937. Class 35.

Griffith-Durney Company, San Francisco, Calif. Canned salmon. 344,422; Mar. 23; Serial No. 385,481; published Jan. 12, 1937. Class 46.

Heyer, Don, doing business as Heyer and Sutton, Inc., Los Angeles, Calif. Variable speed gearing apparatus. 344,444; Mar. 23; Serial No. 374,559; published Jan. 12, 1937. Class 28.

Horton Manufacturing Company, The, Bristol, Conn. Reels for fishing-rods. 117,560–1; renewed July 17, 1937.

Houghton, E. F., & Co., Philadelphia, Pa. Carburizing and case-hardening materials. 117,325; renewed July 3, 1937.

Houghton, E. F., & Co., Philadelphia, Pa. Colloidal clay. 344,427; Mar. 23; Serial No. 385,582; published Jan. 12, 1937. Class 4.

Howse, Mead & Sons, Inc., New York, N. Y. Gabardine silk piece goods. 344,470; Mar. 23; Serial No. 384,965; published Jan. 12, 1937. Class 42.

Imperial Knife Company, Inc., Providence, R. I. Pocket cutlery and table cutlery. 344,466; Mar. 23; Serial No. 384,896; published Jan. 12, 1937. Class 23.

International Printing Ink Corporation, The, New York, N. Y. Color charts. 344,491; Mar. 23. Class 38.

Jelenko, J. F., and Company, Inc., New York, N. Y. Gold for dental inlays. 344,416; Mar. 23; Serial No. 385,357; published Jan. 12, 1937. Class 44.

Kay Manufacturing Corporation, Brooklyn, N. Y. Inner spring units. 344,406; Mar. 23; Serial No. 384,708; published Jan. 12, 1937. Class 32.

Kohler-Liebich Company, The, Chicago, Ill. Musical chimes and bells. 117,673; renewed July 24, 1937.

Kohler, Milton W., and Irving N. Kohler, Fairport, N. Y. Toothbrushes. 344,496; Mar. 23. Class 29.

Kuppenheimer, B., & Company, assignor to B. Kuppenheimer & Co. Inc., Chicago, Ill. Overcoats, coats, vests, and trousers. 113,395; renewed Oct. 17, 1936.

Ladd, A. M., doing business as Ever-Nu Laboratories, Los Angeles, Calif. Liquid rubber cleanser and renewer. 344,407; Mar. 23; Serial No. 384,750; published Jan. 12, 1937. Class 4.

Laminated Shim Co., Inc., Long Island City, N. Y. Shims and shim stock. 344,377; Mar. 23; Serial No. 382,433; published Jan. 12, 1937. Class 35.

Lippman, Minna F., New York, N. Y. Wines. 344,399; Mar. 23; Serial No. 384,468; published Jan. 12, 1937. Class 47.

Liquid Level Indicator Co. (See Potter, Horace R.)

Llewellyn, Don, Los Angeles, Calif. Welding rods. 344,440; Mar. 23; Serial No. 386,119; published Jan. 12, 1937. Class 14.

Loose-Wiles Biscuit Company, Kansas City, Mo. Cakes. 115,199; renewed Jan. 30, 1937.

Loose-Wiles Biscuit Company, New York, N. Y., and Kansas City, Mo., to Loose-Wiles Biscuit Company, Long Island City, N. Y. Cakes. 115,361; renewed Feb. 6, 1937.

Louisiana State Rice Milling Company, Inc., Abbeville, La. Rice. 344,474; Mar. 23; Serial No. 385,049; published Jan. 12, 1937. Class 46.

Löwenbrauerei Böhmisches Brauhaus A. G., Berlin, Germany. Malt beverage. 344,351; Mar. 23; Serial No. 345,781; published Apr. 10, 1934. Class 48.

Lyons-Magnus, Inc., doing business as The E. G. Lyons & Rans Co., San Francisco, Calif. Wines. 344,355; Mar. 23; Serial No. 361,273; published July 30, 1935. Class 47.

Lyons-Magnus, Inc., San Francisco, Calif. Food products made from fruits. 344,356; Mar. 23; Serial No. 361,274; published Aug. 13, 1935. Class 46.

McKee Glass Company, Jeannette, Pa. Glass baking-dishes. 117,679; renewed July 24, 1937.

McLoughlin Manufacturing Company, New York, N. Y. Disposable diapers, hospital pads and sanitary pads. 344,478; Mar. 23; Serial No. 385,192; published Jan. 12, 1937. Class 44.

Mergenthaler Linotype Company, New York, to Mergenthaler Linotype Company, Brooklyn, N. Y. Matrices. 116,340; renewed Apr. 24, 1937.

Merrell, William S., Chemical Company, The, by change of name to The Wm. S. Merrell Company, Cincinnati, Ohio. Fluid medicines known as tinctures. 115,649; renewed Feb. 27, 1937.

Metalfield Incorporated, Long Island City, N. Y. Hair brushes. 344,370; Mar. 23; Serial No. 381,319; published Jan. 12, 1937. Class 29.

Metalfield Incorporated, Long Island City, N. Y. Hair brushes. 344,445; Mar. 23; Serial No. 374,628; published Jan. 12, 1937. Class 29.

Millers Falls Company, Greenfield, Mass. Hack saw blades. 344,436; Mar. 23; Serial No. 385,741; published Jan. 12, 1937. Class 23.

Minick, William A., Glasgow, to William A. Minick, Bowling Green, Ky. Tonic. 117,692; renewed July 24, 1937.

Morris, Philip, & Co. Ltd. Incorporated, New York, N. Y. Cigarettes and pipe tobacco. 344,479; Mar. 23; Serial No. 385,193; published Jan. 12, 1937. Class 17.

Mueller, R. S., & Co., assignor to Mueller Electric Company, Cleveland, Ohio. Electrical test-clips. 116,230; renewed Apr. 17, 1937.

National Association of Sales Finance Companies, Chicago, Ill. Printed matter used in the business of installment selling and installment financing. 344,448; Mar. 23; Serial No. 377,591; published Jan. 5, 1937. Class 37.

National Carbon Company, Long Island City, assignor to National Carbon Company, Inc., New York, N. Y. Portable electric lights and dry batteries. 117,262; renewed June 26, 1937.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Dog food. 344,424; Mar. 23; Serial No. 385,532; published Jan. 12, 1937. Class 46.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Laundry soap. 344,425; Mar. 23; Serial No. 385,533; published Jan. 12, 1937. Class 4.

Norris Incorporated, Atlanta, Ga. Candy. 344,410; Mar. 23; Serial No. 385,301; published Jan. 12, 1937. Class 46.

Norris Incorporated, Atlanta, Ga. Candy. 344,411; Mar. 23; Serial No. 385,303; published Jan. 12, 1937. Class 46.

Nourse, John C., Kansas City, Mo., assignor to Nourse Oil Company, Kansas City, Kans. Harness-oil. 117,700; renewed July 24, 1937.

Pacific Raisin Company. (See Santikian, George.)

Paden, Charles E., Denver, Colo., to Charles E. Paden, Leavenworth, Kans. Compound for use as a lubricant and as a carbon-forming preventive. 115,462; renewed Feb. 13, 1937.

Padola Corporation, New York, N. Y. Brushless shaving cream, shaving cream, soaps, etc. 344,463; Mar. 23; Serial No. 384,861; published Jan. 12, 1937. Class 4.

Paper Novelty Manufacturing Company, New York, N. Y. Christmas tree ornaments having no light-generating media. 344,492; Mar. 23. Class 50.

Park Chemical Company, Detroit, Mich. Substances or materials used in hardening steel and in the heat treatment of steel. 117,356; renewed July 3, 1937.

Pennzoil Company, The. (See Rogers, Harry E., assignor.)

Peristein Brothers, New York, N. Y. Sole leather. 344,452; Mar. 23; Serial No. 378,705; published Jan. 12, 1937. Class 1.

Pfuhl, Louise and K. H., Rochelle Park, N. J. Cigars. 344,475; Mar. 23; Serial No. 385,060; published Jan. 12, 1937. Class 17.

Pfuhl, Louise and K. H., Rochelle Park, N. J. Cigars. 344,477; Mar. 23; Serial No. 385,107; published Jan. 12, 1937. Class 17.

Portal, Dingwall & Norris, London, England. Sherry wine. 344,454; Mar. 23; Serial No. 379,564; published Jan. 12, 1937. Class 47.

Potter, Horace R., doing business as Liquid Level Indicator Co., Summit, N. J. Oil level gauges. 344,404; Mar. 23; Serial No. 384,628; published Jan. 12, 1937. Class 26.

Poutays, J., Bordeaux, France. Insecticides or vermin killer. 344,379; Mar. 23; Serial No. 382,806; published Dec. 8, 1936. Class 6.

Pyle-National Company, The, Chicago, Ill. Locomotive valve gears, reversing gears, driving turbines, locomotive valves, etc. 344,382; Mar. 23; Serial No. 383,139; published Jan. 12, 1937. Class 23.

Quality Products Co., Chicago, Ill. Potato chips. 344,459; Mar. 23; Serial No. 380,969; published Sept. 1, 1936. Class 46.

Rayville S.-A., Villeret, Switzerland. Watches, watch cases, and mechanism. 344,394; Mar. 23; Serial No. 384,050; published Jan. 12, 1937. Class 27.

Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 344,482; Mar. 23; Serial No. 386,224; published Jan. 12, 1937. Class 49.

Red Jacket Coal Sales Company, Columbus, Ohio. Coal. 344,420; Mar. 23; Serial No. 385,451; published Jan. 12, 1937. Class 1.

Rogers, Harry E., Bakersfield, assignor, by mesne assignments, to The Pennzoil Company, Los Angeles, Calif. Oils and greases. 116,159; renewed Apr. 10, 1937.

Rolls-Royce Limited, Derby, England. Motor road vehicles and chassis therefor. 344,372; Mar. 23; Serial No. 381,818; published Jan. 12, 1937. Class 19.

Rubber-Gel Products Corporation, North Quincy, Mass. Rubber erasers. 344,423; Mar. 23; Serial No. 385,494; published Jan. 12, 1937. Class 37.

St. Marys Beverage Company, St. Marys, Pa. Beer. 344,409; Mar. 23; Serial No. 384,818; published Jan. 12, 1937. Class 48.

Samson Plaster Board Company, Buffalo, N. Y. Paint in paste form. 344,489; Mar. 23; Serial No. 386,378; published Jan. 12, 1937. Class 16.

Santikian, George, doing business as Pacific Raisin Company, Fowler, Calif. Dried fruits, raisins, and dried black grapes. 344,392; Mar. 23; Serial No. 383,898; published Jan. 12, 1937. Class 46.

Scheifer & Barst, New York, N. Y. Canned fruits and vegetables. 344,395; Mar. 23; Serial No. 384,053; published Jan. 12, 1937. Class 46.

Scovill Manufacturing Company, Waterbury, Conn. Flash lights. 344,408; Mar. 23; Serial No. 380,127; published Aug. 18, 1936. Class 21.

Shearer, S., Co., Sinking Spring, Pa. Remedy for la grippe, hay-fever, coughs, etc. 116,925; renewed June 5, 1937.

Sierra Vista Packing Association, Riverside, Calif. Oranges and grapefruit. 344,412; Mar. 23; Serial No. 385,308; published Jan. 12, 1937. Class 46.

Signs of The Times Publishing Company, The, Cincinnati, Ohio. Magazine devoted to sign-painters, etc. 117,372; renewed July 3, 1937.
Slyde On Neckwear Company. (See Axel, Helen.)
Smith, Chas. S., doing business as C. S. Smith Co., Los Angeles, Calif. Wall papers. 344,476; Mar. 23; Serial No. 385,067; published Jan. 12, 1937. Class 37.
Snelling Brothers, Allentown, Pa. Ink. 344,428; Mar. 23; Serial No. 385,650; published Jan. 12, 1937. Class 11.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax polishing compositions. 344,451; Mar. 23; Serial No. 378,505; published June 30, 1936. Class 16.
Speier, Sidney S., Louisville, Ky. Cigars. 116,801; renewed May 22, 1937.
Stamford Foundry Company, The, Stamford, Conn. Ranges and stoves. 115,682; renewed Feb. 27, 1937.
Standard Pressed Steel Co., Jenkintown, Pa. Lock nuts. 344,413; Mar. 23; Serial No. 385,310; published Jan. 12, 1937. Class 13.
Standard Toykraft Products, Inc., Brooklyn, N. Y. Toy paint-sets and modeling and sculpturing play-sets. 344,417; Mar. 23; Serial No. 385,370; published Jan. 12, 1937. Class 22.
Stanley, Sinclair G. (See Gatkowski, Zenon.)
Steeleville Milling Company, Steeleville, assignor to Gilster Milling Company, Chester, Ill. Wheat-flour. 115,247; renewed Jan. 30, 1937.
Supreme Bedding & Furniture Manufacturing Company, Inc., Monroe, La. Mattresses. 344,457; Mar. 23; Serial No. 380,679; published Jan. 12, 1937. Class 32.
Supreme Pharmaceutical Company. (See Blackman, Julius, Inc.)
Sussman, Wormser & Co., San Francisco, Calif. Fruit juices for beverage purposes. 344,471; Mar. 23; Serial No. 384,984; published Jan. 12, 1937. Class 45.
Swan & Finch Co., by change of name to Swan-Finch Oil Corporation, New York, N. Y. Transmission and gear-case grease. 115,412; renewed Feb. 6, 1937.
Syndicate-Alliance Trading Co. Inc., New York, N. Y. Hand or toilet soap. 344,467; Mar. 23; Serial No. 384,910; published Jan. 12, 1937. Class 4.
Ten-O-Win Amusement Company, San Francisco, Calif. Amusement apparatus. 344,414; Mar. 23; Serial No. 385,313; published Jan. 12, 1937. Class 22.
Terhune, Yereance & Wolff, Inc., New York, N. Y. Woolen and worsted fabrics. 344,480; Mar. 23; Serial No. 385,204; published Jan. 12, 1937. Class 42.
Union Oil Company of California, Los Angeles, Calif. Liquid cleaner. 344,359; Mar. 23; Serial No. 365,399; published Jan. 12, 1937. Class 4.
United Paper Company, Inc., Richmond, Va. Paper products. 344,386; Mar. 23; Serial No. 383,412; published Jan. 5, 1937. Class 37.
United States Gypsum Company, Chicago, Ill. Dental plaster paris. 344,415; Mar. 23; Serial No. 385,317; published Jan. 12, 1937. Class 44.
Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Salt preparation. 344,464; Mar. 23; Serial No. 384,873; published Jan. 12, 1937. Class 46.
Waldes & Co., Prague-Wrschowitz, Austria-Hungary, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap-buttons. 117,492; renewed July 10, 1937.
Walgreen Co., Chicago, Ill. Playing cards. 344,402; Mar. 23; Serial No. 384,573; published Jan. 12, 1937. Class 22.
Walgreen Co., Chicago, Ill. Playing cards. 344,403; Mar. 23; Serial No. 384,575; published Jan. 12, 1937. Class 22.
Waltham Watch Company, Waltham, Mass. Speedometers. 344,429; Mar. 23; Serial No. 385,655; published Jan. 12, 1937. Class 26.
Wappler, A. C., Corp., New York, N. Y. Urological instruments, cautery and light transformers, physical therapy apparatus, etc. 344,360; Mar. 23; Serial No. 368,246; published Jan. 12, 1937. Class 44.
Washburn Company, The, Worcester, Mass. Screw drivers. 344,358; Mar. 23; Serial No. 364,263; published Jan. 12, 1937. Class 23.
Wella Corporation, The, New York, N. Y. Permanent hair waving apparatus with cabinet therefor. 344,391; Mar. 23; Serial No. 383,858; published Jan. 12, 1937. Class 44.
Whitehead Metal Products Company of New York, Inc., New York, N. Y. Sinks. 344,460; Mar. 23; Serial No. 381,143; published Jan. 12, 1937. Class 13.
Wizard Lightfoot Appliance Co., St. Louis, Mo. Arch-supports. 344,495; Mar. 23. Class 44.
Wolwin Chair Co., The, Willoughby, Ohio. Upholstered chairs, davenports, couches, etc. 344,435; Mar. 23; Serial No. 385,715; published Jan. 12, 1937. Class 32.
Woodhouse, George, London, England. Manual exercising apparatus for piano instruction. 344,390; Mar. 23; Serial No. 383,759; published Jan. 12, 1937. Class 36.
York Ice Machinery Corporation, York, Pa. Machinery packing. 344,367; Mar. 23; Serial No. 369,671; published Jan. 12, 1937. Class 35.
Ziff, Joseph, Detroit, Mich. Suspenders, belts, and garters. 116,734; renewed May 15, 1937.

LIST OF REGISTRANTS OF LABELS

Ada Milling Company, Ada, Okla. Ada Milling Company Flour; (Yellow, Orange, and Blue-Green Flowers on White Background). For Flour. 49,078; Mar. 23.
Ada Milling Company, Ada, Okla. Ada Milling Company Flour; (Pink Roses on White Background). For Flour. 49,079; Mar. 23.
Al-Lon Manufacturing Co., Inc., Baltimore, Md. Al-Lon Fumigating Storage Bag. For Fumigating Storage Bags. 49,080; Mar. 23.
Al-Lon Manufacturing Co., Inc., Baltimore, Md. Al-Lon Freshener Garment Bag. For Garment Bags. 49,081; Mar. 23.
Antrol Laboratories, Inc., Los Angeles, Calif. Antrol Ant Powder. For Ant Powder. 49,082; Mar. 23.
Arkwright, Incorporated, New York, N. Y. Sturdy-Wear. For Sheets and Pillow Cases. 49,083; Mar. 23.
Art Hand Made Carriage Cover Co., New York, N. Y. Art. For Infants' Robes. 49,084; Mar. 23.
Ball, F. M., & Company, Oakland, Calif. Good 'n Ripe. For Peeled Apricots. 49,085; Mar. 23.
Ball, F. M., & Company, Oakland, Calif. Good 'n Ripe. For Halves of Yellow Cling Peaches. 49,086; Mar. 23.
Baxter, H. C., & Bros., doing business as Baxter Bros. Co., Augusta Canning Company, Brunswick, Maine. Morning Sun. For Canned Beets. 49,087; Mar. 23.
Boutillier, Raymond T., Watertown, N. Y. Whisk Brushless Shave. For Brushless Shaving Cream. 49,088; Mar. 23.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. The Guard Well Utility and Work Shoe. For Shoes. 49,089; Mar. 23.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Wally Sandals. For Sandals. 49,090; Mar. 23.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Exquisite Nouveau Footwear. For Footwear. 49,091; Mar. 23.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Brentwood Smart Shoes. For Shoes. 49,092; Mar. 23.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Coronation Sandals. For Sandals. 49,093; Mar. 23.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Styl-O'-Youth Shoes. For Shoes. 49,094; Mar. 23.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. The Sportsman Shoe. For Shoes. 49,095; Mar. 23.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. The White House Custom Grade Shoe. For Shoes. 49,096; Mar. 23.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Dr. Chase's Health Shoes. For Shoes. 49,097; Mar. 23.
Clayton, A. C., Printing Company, St. Louis, Mo. Park Brannock Co. Shoe Salon. For Footwear. 49,098; Mar. 23.
Cooke, Julia M., Norwalk, Conn. Bridge. For Condiments. 49,099; Mar. 23.
Edison, Thomas A., Incorporated, West Orange, N. J. Pro-Technic Ediphone. For Wax Dictation Cylinders. 49,100; Mar. 23.
Fleming, J. R., & Company, Weatherford, Tex. Texas Bluebonnet Shelled Pecans. For Shelled Pecans. 49,101; Mar. 23.
Gentile Bros. Company, Cincinnati, Ohio, and Orlando, Fla. Hospital Pack Brand. For Unsweetened Grapefruit Juice. 49,102; Mar. 23.
Glidden Company, The, Cleveland, Ohio. Nello. For Pure Gum Rosin. 49,103; Mar. 23.
Heller, B., & Company, Chicago, Ill. $1000.00 Guaranteed Water Softener. For a Powder to Soften Water. 49,104; Mar. 23.
Hollis, James B., Los Angeles, Calif. Cheeznuts. For Cheese Treated Nuts. 49,105; Mar. 23.
Hostess Products Corporation, Long Island City, N. Y. Hostess Plaza Food Products. For Food Products. 49,106; Mar. 23.
Junge Baking Company, The, Joplin, Mo. Pok-A-Dot Biscuit. For Biscuits. 49,107; Mar. 23.
Koertge, Frederick G., Belvidere, Ill. Renewal. For Furniture Polish. 49,108; Mar. 23.
Lorain Products Co., Inc., New York, N. Y. The Improved Lanolin Baby Powder. For Baby Powder. 49,109; Mar. 23.
Maine Canned Foods, Inc., Portland, Maine. Puritan Original Dutch Oven Baked Beans. For Baked Beans. 49,110–11; Mar. 23.
Mannings, Inc., San Francisco, Calif. Mannings Coffee—Yellow Bag Blend. For Coffee. 49,112; Mar. 23.
Mannings, Inc., San Francisco, Calif. Mannings Coffee—Red Bag Blend. For Coffee. 49,113; Mar. 23.
Mannings, Inc., San Francisco, Calif. Mannings Finest Coffee. For Coffee. 49,114; Mar. 23.
Master Pictures, Inc., Los Angeles, Calif. Yeabo. For Film Productions. 49,115; Mar. 23.
Matthews, F. B., & Co., Inc., Kingston, N. Y. Cheerio. For Grapefruit Juice. 49,116; Mar. 23.

Miller Manufacturing Company, Camden, N. J. Wonder Weld. For a Metallic Preparation for the Repairing of Cracked Valve Ports, Water Jackets and Cylinders. 49,117; Mar. 23.
Neoderm Company, Los Angeles, Calif. Neutri-Derm. For a Preparation for the Treatment of the Skin for Cuts, Bruises, Burns, Irritable Skin and Scalp. 49,118; Mar. 23.
Neumann, M. G., doing business as Valmor Products Company, Chicago, Ill. Valmor Red Clover Compound. For a Tonic. 49,119; Mar. 23.
New Jersey Apple Growers, Inc., Matawan, N. J. Browntown. For Apple Brandy. 49,120; Mar. 23.
Patrick, Frank E., San Francisco, Calif. Patrick's Briten Up Glass Polish Cleaner. For a Liquid Glass Polish and Cleaner. 49,121; Mar. 23.
Paul, Peter, Inc., Naugatuck, Conn. Double Dreams. For a Chocolate, Almonds and Coconut Confection. 49,122; Mar. 23.
St. Louis Surfacer and Paint Company, St. Louis, Mo. Superior Quality. For House Paint. 49,123; Mar. 23.
Salada Tea Co. (Inc.), Boston, Mass. 'Salada' Mixed Tea. For Mixed Tea. 49,124; Mar. 23.
Schlitz, Jos., Brewing Company, Milwaukee, Wis. Schlitz Sunshine Vitamin-D. For Beer. 49,125; Mar. 23.
Schlitz Sunshine Vitamin-D. For Beer. Jos. Schlitz Brewing Company. 49,125; Mar. 23.
Seminole Laboratories, Incorporated, Jacksonville, Fla. Kill-N-Sec. For an Insecticide. 49,126; Mar. 23.
Shields, W. B., Oakland, Calif. A. B. C. For a Medicinal Preparation for Treating Goitre. 49,127; Mar. 23.
Smith, J. P., Shoe Co., Chicago, Ill. British Walkers. For Shoes. 49,128; Mar. 23.
Sontag Chain Stores Co. Ltd., Los Angeles, Calif. Lady Marlow. For Cleansing Cream. 49,129; Mar. 23.
Sparklets Corporation, New York, N. Y. Sparklet. For Beverage Charging Syphon. 49,130; Mar. 23.
Srdanov, George, East Chicago, Ind. Drink Celery Juice for Your Health. For Celery Juice. 49,131; Mar. 23.
Taylor, W. H., doing business as Taylor Chemical Company, Ludington, Mich. Taylor's Trix for Cleaning. For a General Purpose Cleaning Compound. 49,132; Mar. 23.
Valmor Products Company. (See Neumann, M. G.)
Vimpep Foods, Inc., Cambridge, Md. Play Boy. For Dog and Cat Food. 49,133; Mar. 23.
Vimpep Foods, Inc., Cambridge, Md. Coach Dog. For Dog Food. 49,134; Mar. 23.
Vimpep Foods, Inc., Cambridge, Md. Dog Lure. For Dog Food. 49,135; Mar. 23.
Vimpep Foods, Inc., Cambridge, Md. On Guard. For Dog Food. 49,136; Mar. 23.
Wallerstein Co., Inc., New York, N. Y. R S R. For an Enzymatic Product for Removal of Protein Stains and Starch. 49,137; Mar. 23.
Waxide Paper Company, Kansas City, Mo. Fresh Bakery Products. For Bakery Products. 49,138; Mar. 23.
Wembley, Inc., New Orleans, La. Wembley. For Cravats. 49,139; Mar. 23.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Revelation Burs. For Dental Burs. 49,140; Mar. 23.
Wonder Cleanall Corp., Seattle, Wash. Wonder Cleanall. For Cream for Cleaning Woodwork, Floors, Linoleum, Window-Shades, Sinks, Rugs and All Painted or Varnished Surfaces. 49,141; Mar. 23.
Youngstown Winery, Inc., Youngstown, Ohio. Good Luck. For Wines. 49,142; Mar. 23.

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Candy & Nuts for "New Year" Gifts and Parties. For Candy and Nuts. 16,112; Mar. 23.
Awful Fresh MacFarlane, Oakland and San Francisco, Calif. MacFarlane Candy is in Good Taste, Awful Good Taste. For Candy. 16,113; Mar. 23.
Bird & Son, Inc., East Walpole, Mass. Bird Cartons. For Cartons. 16,114; Mar. 23.
Bird & Son, Inc., East Walpole, Mass. Bird Carton. For Cartons. 16,115; Mar. 23.
Blackmon, T. E., Birmingham, Ala. Join Our Amateur Interior Decorator Contest. For Household Furniture. 16,116; Mar. 23.
General Mills, Inc., Minneapolis, Minn. Here's the Ideal Spring Party. For Flour. 16,117; Mar. 23.
General Mills, Inc., Minneapolis, Minn. Emily Post and Betty Crocker Plan the Ideal Spring Party. For Flour. 16,118; Mar. 23.
General Mills, Inc., Minneapolis, Minn. Emily Post and Betty Crocker Plan for You the Ideal Spring Party. For Flour. 16,119; Mar. 23.
Johnson, Rowland, New York, N. Y. Follow the Green Line. For Sandwiches, Cakes and Coffee. 16,120; Mar. 23.
Killian Company, The, Cedar Rapids, Iowa. Killian's Stroller Shoe. For Shoes. 16,121; Mar. 23.
Musebeck Shoe Company, Danville, Ill. "Feet Hurt? Read this Amazing Statement." "Unbalanced Feet Spell Foot Ailments and Pain." Balanced Feet Spell Foot Health and Comfort. For Shoes. 16,122; Mar. 23.
Nestle's Milk Products, Inc., New York, N. Y. How Long, Professor. For Modifier of Cow's Milk for Infants. 16,123; Mar. 23.
Nestle's Milk Products, Inc., New York, N. Y. Indeed, Henry. For a Milk Product. 16,124; Mar. 23.
Nestle's Milk Products, Inc., New York, N. Y. Mix the Nestle's Food with the Milk, Henry. For a Milk Product. 16,125; Mar. 23.
Nestle's Milk Products, Inc., New York, N. Y. Why Lactogen Contains Absolutely Nothing but the Natural Constituents of Cow's Milk. For a Milk Product. 16,126; Mar. 23.
Nestle's Milk Products, Inc., New York, N. Y. Why Lactogen Meets the Accepted Standards of Scientific Nutrition. For a Milk Product. 16,127; Mar. 23.
Penn Lithographing Co., Philadelphia, Pa. No. 744. For Bock Beer. 16,128; Mar. 23.
Penn Lithograph Co., Philadelphia, Pa. No. 742. For Bock Beer. 16,129; Mar. 23.
Penn Lithographing Co., Philadelphia, Pa. No. 743. For Bock Beer. 16,130; Mar. 23.
Penn Lithographing Co., Philadelphia, Pa. No. 741. For Bock Beer. 16,131; Mar. 23.
Perrine Manufacturing Company, Minneapolis, Minn. Only This Great Reel Can Give You Free-Stripping Entirely Free of Brake Drag. For Automatic Reels. 16,132; Mar. 23.
Pilsner Urquell Importing Co. Inc., New York, N. Y. There Are Good Beers, There Are Better Beers, But There Is Only One Pilsner Urquell. For Beer. 16,133; Mar. 23.
Proteks Co. (See Rowland, Herman H.)
River Smelting & Refining Co., The, Cleveland, Ohio. River R S Brand. For Brass and Bronze Ingots, Type Metal, Lead, Tin, Solder and Babbitt. 16,134; Mar. 23.
Rosenblum's, Inc., Cleveland, Ohio. One Account Outfits the Family. For Shoes. 16,135; Mar. 23.
Rowland, Herman H., doing business as Proteks Co., New York, N. Y. Stop This Costly Annoyance. For Anti-Friction Heel Locks for Stockings. 16,136; Mar. 23.
Royal Milling Company, Minneapolis, Minn. Montana Farm Home Proved! For Flour. 16,137; Mar. 23.
Smolen, Dan J., New York, N. Y. Grin and Beer It With. For Beer. 16,138; Mar. 23.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Blue Blaze Coal Company. 344,449; Mar. 23; Serial No. 378,127; published Jan. 12, 1937.
Coal. Red Jacket Coal Sales Company. 344,420; Mar. 23; Serial No. 385,451; published Jan. 12, 1937.
Leather, Sole. Perlstein Brothers. 344,452; Mar. 23; Serial No. 378,705; published Jan. 12, 1937.
Skins and leather hides, Leather. Baby Calf Distributors, Inc. 344,378; Mar. 23; Serial No. 382,785; published Jan. 12, 1937.
Skins and leather hides, Leather. A. D. Bowne & Co. 344,375; Mar. 23; Serial No. 381,963; published Jan. 5, 1937.

CLASS 4

Clay, Colloidal. E. F. Houghton & Co. 344,427; Mar. 23; Serial No. 385,582; published Jan. 12, 1937.
Cleaner, Liquid. Union Oil Company of California. 344,359; Mar. 23; Serial No. 365,399; published Jan. 12, 1937.
Cleaner, Wall-paper. Acme Cleaner Manufacturing Company. 117,076; renewed June 19, 1937.
Cleaning compound. Economics Laboratory, Inc. 344,369; Mar. 23; Serial No. 372,662; published Jan. 12, 1937.
Cleanser and renewer, Liquid rubber. A. M. Ladd. 344,407; Mar. 23; Serial No. 384,750; published Jan. 12, 1937.
Cleanser for artificial dentures. R. G. Binyon & Co. 344,401; Mar. 23; Serial No. 384,498; published Jan. 12, 1937.
Harness-oil. J. C. Nourse. 117,700; renewed July 24, 1937.

Shaving cream, shaving cream, soaps, etc., Brushless. Padola Corporation. 344,463; Mar. 23; Serial No. 384,861; published Jan. 12, 1937.
Soap, Hand or toilet. Syndicate-Alliance Trading Co. Inc. 344,467; Mar. 23; Serial No. 384,910; published Jan. 12, 1937.
Soap, Laundry. National Retailer-Owned Grocers, Inc. 344,425; Mar. 23; Serial No. 385,533; published Jan. 12, 1937.

CLASS 6

Carburizing and case-hardening materials. E. F. Houghton & Co. 117,325; renewed July 3, 1937.
Herbs for treatment of diseases. Z. Gatkowski. 117,309; renewed July 3, 1937.
Insecticides or vermin killer. J. Poutays. 344,379; Mar. 23; Serial No. 382,806; published Dec. 8, 1936.
Medicines known as tinctures, Fluid. William S. Merrell Chemical Company. 115,649; renewed Feb. 27, 1937.
Pharmaceutical preparations. Julius Blackman, Inc. 344,354; Mar. 23; Serial No. 355,877; published Dec. 4, 1934.
Photographic Developers. Eastman Kodak Company. 115,743; renewed Mar. 6, 1937.
Remedy for la grippe, hay-fever, coughs, etc. S. Shearer Co. 116,925; renewed June 5, 1937.
Substances or materials used in hardening steel and in heat treatment of steel. Park Chemical Company. 117,356; renewed July 3, 1937.
Tonic. W. A. Minick. 117,692; renewed July 24, 1937.
Wax in solid form soluble in water and used in the preparation of creams, etc., and for the manufacture of cosmetics. Albert Albek, Inc. 344,494; Mar. 23.

CLASS 11

Ink. Snelling Brothers. 344,428; Mar. 23; Serial No. 385,650; published Jan. 12, 1937.

CLASS 13

Chains, Tire. American Oil Company. 344,441; Mar. 23; Serial No. 373,288; published Mar. 10, 1936.
Ladles, cake ladles, tea strainers, etc., Gravy. American Dirigold Corporation. 344,368; Mar. 23; Serial No. 372,195; published Jan. 12, 1937.
Nuts, Lock. Standard Pressed Steel Co. 344,413; Mar. 23; Serial No. 385,310; published Jan. 12, 1937.
Screws, bolts, rivets, etc. Continental Screw Company. 344,380; Mar. 23; Serial No. 382,823; published Jan. 12, 1937.
Sinks. Whitehead Metal Products Company of New York, Inc. 344,460; Mar. 23; Serial No. 381,143; published Jan. 12, 1937.

CLASS 14

Type metal. Federated Metals Corporation. 344,498; Mar. 23.
Welding rods. D. Llewellyn. 344,440; Mar. 23; Serial No. 386,119; published Jan. 12, 1937.

CLASS 15

Compound for use as a lubricant and as a carbon-forming preventive. C. E. Paden. 115,462; renewed Feb. 13, 1937.
Grease, Transmission and gear-case. Swan & Finch Co. 115,412; renewed Feb. 6, 1937.
Oils and greases. H. E. Rogers. 116,159; renewed Apr. 10, 1937.

CLASS 16

Paint in paste form. Samson Plaster Board Company. 344,489; Mar. 23; Serial No. 386,378; published Jan. 12, 1937.
Wax polishing compositions. Socony-Vacuum Oil Company. 344,451; Mar. 23; Serial No. 378,505; published June 30, 1936.

CLASS 17

Cigars. Louise and K. H. Pfuhl. 344,475; Mar. 23; Serial No. 385,060; published Jan. 12, 1937.
Cigars. Louise and K. H. Pfuhl. 344,477; Mar. 23; Serial No. 385,107; published Jan. 12, 1937.
Cigars. S. S. Speier. 116,801; renewed May 22, 1937.
Cigarettes. American Cigarette & Cigar Company. 344,387; Mar. 23; Serial No. 386,575; published Jan. 12, 1937.
Cigarettes and pipe tobacco. Philip Morris & Co. Ltd. Incorporated. 344,479; Mar. 23; Serial No. 385,193; published Jan. 12, 1937.
Cigarettes and smoking tobacco. Axton-Fisher Tobacco Company. 344,400; Mar. 23; Serial No. 384,495; published Jan. 12, 1937.

CLASS 19

Automobile-trailers. Auto-Kamp Equipment Co. 115,057; renewed Jan. 23, 1937.
Carrier devices adapted for use upon the tops of automobiles, Portable. R. E. Ashley. 344,493; Mar. 23.
Vehicles and chassis therefor, Motor road. Rolls-Royce Limited. 344,372; Mar. 23; Serial No. 381,818; published Jan. 12, 1937.

CLASS 21

Electric lights and dry batteries, Portable. National Carbon Company. 117,262; renewed June 26, 1937.
Electrical and radio apparatus generally, but particularly including line cords and plugs; miscellaneous electrical parts, etc. Consolidated Wire and Associated Corporations. 344,374; Mar. 23; Serial No. 381,905; published Sept. 29, 1936.
Electrical test-clips. R. S. Mueller & Co. 116,230; renewed Apr. 17, 1937.
Flash lights. Scovill Manufacturing Company. 344,408; Mar. 23; Serial No. 380,127; published Aug. 18, 1936.
Power producing plant, electric generators, battery chargers, etc., Portable electric. Continental Motors Corporation. 344,456; Mar. 23; Serial No. 380,387; published Jan. 12, 1937.
Radio antennae. Donaldson Radio and Electric Co. 344,438; Mar. 23; Serial No. 385,781; published Jan. 12, 1937.
Timing mechanisms for electric circuits. Eagle Signal Corporation. 344,385; Mar. 23; Serial No. 383,390; published Jan. 12, 1937.

CLASS 22

Amusement apparatus. Ten-O-Win Amusement Company. 344,414; Mar. 23; Serial No. 385,313; published Jan. 12, 1937.
Billiard cues. Brunswick-Balke-Collender Company. 344,483–4; Mar. 23; Serial Nos. 386,339–40; published Jan. 12, 1937.
Billiard cues. Brunswick-Balke-Collender Company. 344,486–8; Mar. 23; Serial Nos. 386,348–50; published Jan. 12, 1937.
Billiard tables. Brunswick-Balke-Collender Company. 344,485; Mar. 23; Serial No. 386,341; published Jan. 12, 1937.
Cards, Playing. Walgreen Co. 344,402; Mar. 23; Serial No. 384,573; published Jan. 12, 1937.
Cards, Playing. Walgreen Co. 344,403; Mar. 23; Serial No. 384,575; published Jan. 12, 1937.
Game, Board. Milton Bradley Company. 344,439; Mar. 23; Serial No. 386,071; published Jan. 12, 1937.
Reels for fishing-rods. Horton Manufacturing Company. 117,560–1; renewed July 17, 1937.
Toy paint-sets and modeling and sculpturing play-sets. Standard Toykraft Products, Inc. 344,417; Mar. 23; Serial No. 385,370; published Jan. 12, 1937.

CLASS 23

Cutlery and table cutlery, Pocket. Imperial Knife Company. 344,466; Mar. 23; Serial No. 384,896; published Jan. 12, 1937.
Gearing apparatus, Variable speed. D. Heyer. 344,444; Mar. 23; Serial No. 374,559; published Jan. 12, 1937.
Razor blades, Safety. Colton Razor Blade Company. 344,430–1; Mar. 23; Serial Nos. 385,659–60; published Jan. 12, 1937.
Razor blades, Safety. Colton Razor Blade Company. 344,432–3; Mar. 23; Serial Nos. 385,684–5; published Jan. 12, 1937.
Razor blades, Safety. Colton Razor Blade Company. 344,481; Mar. 23; Serial No. 385,658; published Jan. 12, 1937.
Saw blades, Hack. Millers Falls Company. 344,436; Mar. 23; Serial No. 385,741; published Jan. 12, 1937.
Screw drivers. Washburn Company. 344,358; Mar. 23; Serial No. 364,263; published Jan. 12, 1937.
Valve gears, reversing gears, driving turbine locomotive valves, etc., Locomotive. Pyle-National Company. 344,382; Mar. 23; Serial No. 383,139; published Jan. 12, 1937.

CLASS 26

Charts for use in connection with apparatus for ascertaining and recording conditions of the circulatory system. Cameron Heartometer Co. 344,437; Mar. 23; Serial No. 385,776; published Jan. 12, 1937.
Gauges, Oil level. H. R. Potter. 344,404; Mar. 23; Serial No. 384,628; published Jan. 12, 1937.
Speedometers. Waltham Watch Company. 344,429; Mar. 23; Serial No. 385,655; published Jan. 12, 1937.

CLASS 27

Watches, watch cases, and mechanism. Rayville S.-A. 344,394; Mar. 23; Serial No. 384,050; published Jan. 12, 1937.

CLASS 28

Flatware and hollow-ware, Silver-plated. Cavendish Trading Corporation. 344,398; Mar. 23; Serial No. 384,449; published Jan. 12, 1937.
Jewelry. Commercial Shirt Corporation. 344,468; Mar. 23; Serial No. 384,920; published Jan. 12, 1937.

CLASS 29

Brushes, Hair. Metalfield Incorporated. 344,370; Mar. 23; Serial No. 381,319; published Jan. 12, 1937.
Brushes, Hair. Metalfield Incorporated. 344,445; Mar. 23; Serial No. 374,628; published Jan. 12, 1937.
Toothbrushes. Milton W. and I. N. Kohler. 344,496; Mar. 23.

CLASS 32

Chairs, davenports, couches, etc., Upholstered. Wolwin Chair Co. 344,435; Mar. 23; Serial No. 385,715; published Jan. 12, 1937.

Mattresses. Supreme Bedding & Furniture Manufacturing Company. 344,457; Mar. 23; Serial No. 380,679; published Jan. 12, 1937.
Spring units, Inner. Kay Manufacturing Corporation. 344,406; Mar. 23; Serial No. 384,708; published Jan. 12, 1937.

CLASS 33

Glass baking-dishes. McKee Glass Company. 117,679; renewed July 24, 1937.

CLASS 34

Ranges and stoves. Stamford Foundry Company. 115,682; renewed Feb. 27, 1937.
Superheaters. E. Brown. 344,447; Mar. 23; Serial No. 376,893; published Aug. 25, 1936.

CLASS 35

Belting, Leather. Graton & Knight Company. 344,434; Mar. 23; Serial No. 385,689; published Jan. 12, 1937.
Packing, Machinery. York Ice Machinery Corporation. 344,367; Mar. 23; Serial No. 369,671; published Jan. 12, 1937.
Shims and shim stock. Laminated Shim Co. 344,377; Mar. 23; Serial No. 382,433; published Jan. 12, 1937.

CLASS 36

Chimes and bells, Musical. Kohler-Liebich Company. 117,673; renewed July 24, 1937.
Exercising apparatus for piano instruction, Manual. G. Woodhouse. 344,390; Mar. 23; Serial No. 383,759; published Jan. 12, 1937.

CLASS 37

Erasers, Rubber. Rubber-Gel Products Corporation. 344,423; Mar. 23; Serial No. 385,494; published Jan. 12, 1937.
Leads and lead dispensers for mechanical lead pencils and papers. American Crayon Company. 344,442; Mar. 23; Serial No. 373,349; published Jan. 5, 1937.
Paper. Ditto, Incorporated. 344,426; Mar. 23; Serial No. 385,568; published Jan. 12, 1937.
Paper products. United Paper Company. 344,386; Mar. 23; Serial No. 383,412; published Jan. 5, 1937.
Paper, Wrapping. Crown Willamette Paper Company. 344,453; Mar. 23; Serial No. 379,468; published Aug. 25, 1936.
Papers, Butler Paper Corporations. 344,383; Mar. 23; Serial No. 383,203; published Jan. 12, 1937.
Papers, Wall. C. S. Smith. 344,476; Mar. 23; Serial No. 385,067; published Jan. 12, 1937.
Pens and fountain pens, Writing. Esterbrook Steel Pen Manufacturing Company. 344,397; Mar. 23; Serial No. 384,413; published Jan. 12, 1937.
Pens, Fountain feed. A. Baff. 344,497; Mar. 23.
Printed matter used in the business of installment selling and installment financing. National Association of Sales Finance Companies, Chicago, Ill. 344,448; Mar. 23; Serial No. 377,591; published Jan. 5, 1937.
Stapling machines and staples therefor. Ace Fastener Corporation. 344,366; Mar. 23; Serial No. 369,469; published Jan. 5, 1937.
Strips interleaved with carbon strips and writing sheets with interleaved carbon sheets for use in manifolding registers, etc., Continuous writing. Autographic Register Company. 344,472–3; Mar. 23; Serial Nos. 385,025–6; published Jan. 12, 1937.

CLASS 38

Charts, Color. International Printing Ink Corporation. 344,491; Mar. 23.
Magazine devoted to sign-painters, etc. Signs of The Times Publishing Company. 117,372; renewed July 3, 1937.
Periodical. O. Coelln. 344,389; Mar. 23; Serial No. 383,676; published Jan. 5, 1937.

CLASS 39

Gloves and mittens. Boss Manufacturing Company. 116,878; renewed June 5, 1937.
Neckwear (ties), Men's. H. Axel. 344,499; Mar. 23.
Overalls, raincoats, and belts. American Automobile Association, Incorporated. 344,381; Mar. 23; Serial No. 383,047; published Dec. 29, 1936.
Overcoats, coats, vests, and trousers. B. Kuppenheimer & Company. 113,395; renewed Oct. 17, 1936.
Suspenders, belts, and garters. J. Ziff. 116,734; renewed May 15, 1937.

CLASS 40

Snap-buttons. Waldes & Co. 117,492; renewed July 10, 1937.

CLASS 42

Cloth, Billiard. Brunswick-Balke-Collender Company. 344,361; Mar. 23; Serial No. 369,328; published Jan. 12, 1937.
Cloth, Billiard. Brunswick-Balke-Collender Company. 344,362–4; Mar. 23; Serial Nos. 369,331–3; published Jan. 12, 1937.
Cloth, Billiard. Brunswick-Balke-Collender Company. 344,365; Mar. 23; Serial No. 369,335; published Jan. 12, 1937.
Gabardine silk piece goods. Howse, Mead & Sons, Inc. 344,470; Mar. 23; Serial No. 384,965; published Jan. 12, 1937.
Piece goods. Celanese Corporation of America. 344,469; Mar. 23; Serial No. 384,956; published Jan. 12, 1937.
Piece goods. Dyersburg Cotton Products, Inc. 344,462; Mar. 23; Serial No. 384,845; published Jan. 5, 1937.
Plushes. Sidney Blumenthal & Company. 114,868; renewed Jan. 9, 1937.
Textile fabrics. M. Berzer Co. Inc. 344,396; Mar. 23; Serial No. 384,351; published Jan. 12, 1937.
Textile fabrics. A. Brick. 344,373; Mar. 23; Serial No. 381,830; published Jan. 12, 1937.
Woolen and worsted fabrics. Terhune, Yereance & Wolff, Inc. 344,480; Mar. 23; Serial No. 385,204; published Jan. 12, 1937.

CLASS 44

Arch-supports. Wizard Lightfoot Appliance Co. 344,495; Mar. 23.
Coating for models of dental impressions. Detroit Dental Manufacturing Co. 344,490; Mar. 23.
Dental plaster Paris. United States Gypsum Company. 344,415; Mar. 23; Serial No. 385,317; published Jan. 12, 1937.
Diapers, hospital pads, and sanitary pads, Disposable. McLoughlin Manufacturing Company. 344,478; Mar. 23; Serial No. 385,192; published Jan. 12, 1937.
First aid container and equipment. F. Gluckstein. 344,421; Mar. 23; Serial No. 385,479; published Jan. 12, 1937.
Gold for dental inlays. J. F. Jelenko and Company. 344,416; Mar. 23; Serial No. 385,357; published Jan. 12, 1937.
Hair waving apparatus with cabinet therefor, Permanent. Wella Corporation. 344,391; Mar. 23; Serial No. 383,858; published Jan. 12, 1937.
Nipples, Nursing. Cilocon Corporation. 344,446; Mar. 23; Serial No. 375,984; published Jan. 12, 1937.
Urological instruments, cautery and light transformers, physical therapy apparatus, etc. A. C. Wappler Corp. 344,360; Mar. 23; Serial No. 368,246; published Jan. 12, 1937.

CLASS 45

Fruit juices for beverage purposes. Sussman, Wormser & Co. 344,471; Mar. 23; Serial No. 384,984; published Jan. 12, 1937.

CLASS 46

Bread. Dry Fruit Products Corporation. 344,357; Mar. 23; Serial No. 364,126; published Jan. 12, 1937.
Cakes. Loose-Wiles Biscuit Company. 115,199; renewed Jan. 30, 1937.
Cakes. Loose-Wiles Biscuit Company. 115,361; renewed Feb. 6, 1937.
Candy. E. J. Brach & Sons. 344,465; Mar. 23; Serial No. 384,878; published Jan. 12, 1937.
Candy. Norris Incorporated. 344,410; Mar. 23; Serial No. 385,301; published Jan. 12, 1937.
Candy. Norris Incorporated. 344,411; Mar. 23; Serial No. 385,303; published Jan. 12, 1937.
Canned fruits and vegetables. Scheifer & Barst. 344,395; Mar. 23; Serial No. 384,053; published Jan. 12, 1937.
Canned fruits, canned vegetables, canned Spanish style hot sauce. Bercut Richards Packing Company. 344,419; Mar. 23; Serial No. 385,389; published Jan. 12, 1937.
Canned salmon. Griffith-Durney Company. 344,422; Mar. 23; Serial No. 385,481; published Jan. 12, 1937.
Canned vegetables. Carroon & Company. 344,458; Mar. 23; Serial No. 380,755; published Jan. 12, 1937.
Cheese, condensed milk, milk powder, etc. Coöperatieve Producenten Handelsvereeniging. 344,384; Mar. 23; Serial No. 383,295; published Jan. 12, 1937.
Cookies. Burry Biscuit Corporation. 344,461; Mar. 23; Serial No. 384,840; published Jan. 12, 1937.
Cream. Dairymen's League Co-operative Association, Inc. 344,443; Mar. 23; Serial No. 374,180; published Jan. 12, 1937.
Flour. General Mills, Inc. 344,388; Mar. 23; Serial No. 383,526; published Jan. 12, 1937.
Flour, Wheat. Steeleville Milling Company. 115,247; renewed Jan. 30, 1937.
Food, Dog. National Retailer-Owned Grocers, Inc. 344,424; Mar. 23; Serial No. 385,532; published Jan. 12, 1937.
Food products made from fruits. Lyons-Magnus, Inc. 344,356; Mar. 23; Serial No. 361,274; published Aug. 13, 1935.
Fruit, Dried. California Prune & Apricot Growers Association. 344,450; Mar. 23; Serial No. 378,183; published Sept. 29, 1936.
Fruits, raisins, and dried black grapes, Dried. G. Santikian. 344,392; Mar. 23; Serial No. 383,898; published Jan. 12, 1937.
Ham, bacon, lard, etc.- Fried & Reineman Packing Company. 117,542; renewed July 17, 1937.
Mash, chick feed, growing mash, etc., Chick. Bossemeyer Bros. 344,371; Mar. 23; Serial No. 381,392; published Jan. 12, 1937.
Mustard. R. T. French Company. 344,455; Mar. 23; Serial No. 380,272; published Jan. 12, 1937.
Oranges and grapefruit. Sierra Vista Packing Association. 344,412; Mar. 23; Serial No. 385,308; published Jan. 12, 1937.

Potato chips. Quality Products Co. 344,459; Mar. 23; Serial No. 380,969; published Sept. 1, 1936.
Rice. J. Aron & Company. 344,418; Mar. 23; Serial No. 385,385; published Jan. 12, 1937.
Rice. Louisiana State Rice Milling Company. 344,474; Mar. 23; Serial No. 385,049; published Jan. 12, 1937.
Salt preparation. Virginia Dare Extract Company. 344,464; Mar. 23; Serial No. 384,873; published Jan. 12, 1937.
Syrup. Brewers' corn. Corn Products Refining Company. 344,393; Mar. 23; Serial No. 384,029; published Jan. 12, 1937.

CLASS 47

Wine, Sherry. Portal, Dingwall & Norris. 344,454; Mar. 23; Serial No. 379,564; published Jan. 12, 1937.
Wines. S. Cohn. 344,352; Mar. 23; Serial No. 346,900; published Jan. 12, 1937.
Wines. Fruit Industries. 344,353; Mar. 23; Serial No. 355,399; published Oct. 2, 1934.
Wines. M. F. Lippman. 344,399; Mar. 23; Serial No. 384,468; published Jan. 12, 1937.
Wines. Lyons-Magnus, Inc. 344,355; Mar. 23; Serial No. 361,273; published July 30, 1935.

CLASS 48

Beer. St. Marys Beverage Company. 344,409; Mar. 23; Serial No. 384,818; published Jan. 12, 1937.
Malt beverage. Löwenbrauerei Böhmisches Brauhaus A. G. 344,351; Mar. 23; Serial No. 345,781; published Apr. 10, 1934.

CLASS 49

Whiskey, gin, brandy, etc. Records & Goldsborough, Incorporated. 344,482; Mar. 23; Serial No. 386,224; published Jan. 12, 1937.

CLASS 50

Christmas tree ornaments having no light-generating media. Paper Novelty Manufacturing Company. 344,492; Mar. 23.
Fabrics particularly oiled silks, Coated. General Felt Products Inc. 344,405; Mar. 23; Serial No. 384,704; published Jan. 12, 1937.
Matrices. Mergenthaler Linotype Company. 116,340; renewed Apr. 24, 1937.
Signs, badges, medals, etc. American Automobile Association, Incorporated. 344,376; Mar. 23; Serial No. 382,024; published Jan. 5, 1937.

LIST OF LABELS

A. B. C. For a Medicinal Preparation for Treating Goitre. W. B. Shields. 49,127; Mar. 23.
Ada Milling Company Flour; (Pink Roses on White Background). For Flour. Ada Milling Company. 49,079; Mar. 23.
Ada Milling Company Flour; (Yellow, Orange, and Blue-Green Flowers on White Background). For Flour. Ada Milling Company. 49,078; Mar. 23.
Al-Lon Freshener Garment Bag. For Garment Bags. Al-Lon Manufacturing Co. 49,081; Mar. 23.
Al-Lon Fumigating Storage Bag. For Fumigating Storage Bags. Al-Lon Manufacturing Co. 49,080; Mar. 23.
Antrol Ant Powder. For Ant Powder. Antrol Laboratories, Inc. 49,082; Mar. 23.
Art. For Infants' Robes. Art Hand Made Carriage Cover Co. 49,084; Mar. 23.
Brentwood Smart Shoes. For Shoes. M. B. Claff & Sons, Inc. 49,092; Mar. 23.
Bridge. For Condiments. J. M. Cooke. 49,099; Mar. 23.
British Walkers. For Shoes. J. P. Smith Shoe Co. 49,128; Mar. 23.
Browntown. For Apple Brandy. New Jersey Apple Growers, Inc. 49,120; Mar. 23.
Cheerio. For Grapefruit Juice. F. B. Matthews & Co. 49,116; Mar. 23.
Cheeznuts. For Cheese Treated Nuts. J. B. Hollis. 49,105; Mar. 23.
Coach Dog. For Dog Food. Vimpep Foods, Inc. 49,134; Mar. 23.
Coronation Sandals. For Sandals. M. B. Claff & Sons, Inc. 49,093; Mar. 23.
Dr. Chase's Health Shoes. For Shoes. M. B. Claff & Sons, Inc. 49,097; Mar. 23.
Dog Lure. For Dog Food. Vimpep Foods, Inc. 49,135; Mar. 23.
Double Dreams. For a Chocolate, Almonds and Coconut Confection. Peter Paul, Inc. 49,122; Mar. 23.
Drink Celery Juice for Your Health. For Celery Juice. G. Srdanov. 49,131; Mar. 23.
Exquisite Nouveau Footwear. For Footwear. M. B. Claff & Sons, Inc. 49,091; Mar. 23.
Fresh Bakery Products. For Bakery Products. Waxide Paper Company. 49,138; Mar. 23.
Good Luck. For Wines. Youngstown Winery, Inc. 49,142; Mar. 23.
Good 'n Ripe. For Peeled Apricots. F. M. Ball & Company. 49,085; Mar. 23.
Good 'n Ripe. For Halves of Yellow Cling Peaches. F. M. Ball & Company. 49,086; Mar. 23.
Hospital Pack Brand. For Unsweetened Grapefruit Juice. Gentile Bros. Company. 49,102; Mar. 23.
Hostess Plaza Food Products. For Food Products. Hostess Products Corporation. 49,106; Mar. 23.
Kill-N-Sec. For an Insecticide. Seminole Laboratories, Incorporated. 49,126; Mar. 23.
Lady Marlow. For Cleansing Cream. Sontag Chain Stores Co. Ltd. 49,129; Mar. 23.
Mannings Coffee—Red Bag Blend. For Coffee. Mannings, Inc. 49,113; Mar. 23.
Mannings Coffee—Yellow Bag Blend. For Coffee. Mannings, Inc. 49,112; Mar. 23.
Mannings Finest Coffee. For Coffee. Mannings, Inc. 49,114; Mar. 23.
Morning Sun. For Canned Beets. H. C. Baxter & Bro. 49,087; Mar. 23.
Nello. For Pure Gum Rosin. Glidden Company. 49,103; Mar. 23.
Neutri-Derm. For a Preparation for the Treatment of the Skin for Cuts, Bruises, Irritable Skin and Scalp. Neoderm Company. 49,118; Mar. 23.
On Guard. For Dog Food. Vimpep Foods, Inc. 49,136; Mar. 23.
$1000.00 Guaranteed Water Softener. For a Powder to Soften Water. B. Heller & Company. 49,104; Mar. 23.
Park Brannock Co. Shoe Salon. For Footwear. A. C. Clayton Printing Company. 49,098; Mar. 23.
Patrick's Briten Up Glass Polish Cleaner. For a Liquid Glass Polish and Cleaner. F. E. Patrick. 49,121; Mar. 23.
Play Boy. For Dog and Cat Food. Vimpep Foods, Inc. 49,133; Mar. 23.
Pok-A-Dot Biscuit. For Biscuits. Junge Baking Company. 49,107; Mar. 23.
Pro-Technic Ediphone. For Wax Dictation Cylinders. Thomas A. Edison, Incorporated. 49,100; Mar. 23.
Puritan Original Dutch Oven Baked Beans. For Baked Beans. Maine Canned Foods, Inc. 49,110–11; Mar. 23.
R S R. For an Enzymatic Product for Removal of Protein Stains and Starch. Wallerstein Co. 49,137; Mar. 23.
Renewal. For Furniture Polish. F. G. Koertge. 49,108; Mar. 23.
Revelation Burs. For Dental Burs. S. S. White Dental Manufacturing Company. 49,140; Mar. 23.
'Salada' Mixed Tea. For Mixed Tea. Salada Tea Co. 49,124; Mar. 23.
Sparklet. For Beverage Charging Syphon. Sparklets Corporation. 49,130; Mar. 23.
Sturdy-Wear. For Sheets and Pillow Cases. Arkwright, Incorporated. 49,083; Mar. 23.
Styl-O'-Youth Shoes. For Shoes. M. B. Claff & Sons, Inc. 49,094; Mar. 23.
Superior Quality. For House Paint. St. Louis Surfacer and Paint Company. 49,123; Mar. 23.
Taylor's Trix for Cleaning. For a General Purpose Cleaning Compound. W. H. Taylor. 49,132; Mar. 23.
Texas Bluebonnet Shelled Pecans. For Shelled Pecans. J. R. Fleming & Company. 49,101; Mar. 23.
The Guard Well Utility and Work Shoe. For Shoes. M. B. Claff & Sons, Inc. 49,089; Mar. 23.
The Improved Lanolin Baby Powder. For Baby Powder. Lorain Products Co. 49,109; Mar. 23.
The Sportsman Shoe. For Shoes. M. B. Claff & Sons, Inc. 49,095; Mar. 23.
The White House Custom Grade Shoe. For Shoes. M. B. Claff & Sons, Inc. 49,096; Mar. 23.
Valmor Red Clover Compound. For a Tonic. M. G. Neumann. 49,119; Mar. 23.
Wally Sandals. For Sandals. M. B. Claff & Sons, Inc. 49,090; Mar. 23.
Wembley. For Cravats. Wembley, Inc. 49,139; Mar. 23.
Whisk Brushless Shave. For Brushless Shaving Cream. R. T. Boutillier. 49,088; Mar. 23.
Wonder Cleanall. For Cream for Cleaning Woodwork, Floors, Linoleum, Window-Shades, Sinks, Rugs and All Painted or Varnished Surfaces. Wonder Cleanall Corp. 49,141; Mar. 23.
Wonder Weld. For a Metallic Preparation for the Repairing of Cracked Valve Ports, Water Jackets and Cylinders. Miller Manufacturing Company. 49,117; Mar. 23.
Yeabo. For Film Productions. Master Pictures, Inc. 49,115; Mar. 23.

LIST OF PRINTS

Bird Carton. For Cartons. Bird & Son, Inc. 16,115; Mar. 23.
Bird Cartons. For Cartons. Bird & Son, Inc. 16,114; Mar. 23.
Candy & Nuts for "New Year" Gifts and Parties. For Candy and Nuts. Awful Fresh MacFarlane. 16,112; Mar. 23.
Emily Post and Betty Crocker Plan for You the Ideal Spring Party. For Flour. General Mills, Inc. 16,119; Mar. 23.
Emily Post and Betty Crocker Plan the Ideal Spring Party. For Flour. General Mills, Inc. 16,118; Mar. 23.
"Feet Hurt? Read This Amazing Statement." "Unbalanced Feet Spell Foot Ailments and Pain." Balanced Feet Spell Foot Health and Comfort. For Shoes. Musebeck Shoe Company. 16,122; Mar. 23.
Follow the Green Line. For Sandwiches, Cakes and Coffee. R. Johnson. 16,120; Mar. 23.
Grin and Beer it With. For Beer. D. J. Smolen. 16,138; Mar. 23.
Here's the Ideal Spring Party. For Flour. General Mills, Inc. 16,117; Mar. 23.
How Long, Professor. For Modifier of Cow's Milk for Infants. Nestle's Milk Products, Inc. 16,123; Mar. 23.
Indeed, Henry. For a Milk Product. Nestle's Milk Products, Inc. 16,124; Mar. 23.
Join Our Amateur Interior Decorator Contest. For Household Furniture. T. E. Blackmon. 16,116; Mar. 23.
Killian's Stroller Shoe. For Shoes. Killian Company. 16,121; Mar. 23.
MacFarlane Candy is in Good Taste, Awful Good Taste. For Candy. Awful Fresh MacFarlane. 16,113; Mar. 23.
Mix the Nestle's Food with the Milk, Henry. For a Milk Product. Nestle's Milk Products, Inc. 16,125; Mar. 23.
Montana Farm Home Proved! For Flour. Royal Milling Company. 16,137; Mar. 23.
No. 741. For Bock Beer. Penn Lithographing Co. 16,131; Mar. 23.
No. 742. For Bock Beer. Penn Lithographing Co. 16,129; Mar. 23.
No. 743. For Bock Beer. Penn Lithographing Co. 16,130; Mar. 23.
No. 744. For Bock Beer. Penn Lithographing Co. 16,128; Mar. 23.
One Account Outfits the Family. For Shoes. Rosenblum's, Inc. 16,135; Mar. 23.
Only This Great Reel Can Give You Free-Stripping Entirely Free of Brake Drag. For Automatic Reels. Perrine Manufacturing Company. 16,132; Mar. 23.
River R S Brand. For Brass and Bronze Ingots, Type Metal, Lead, Tin, Solder and Babbitt. River Smelting & Refining Co. 16,134; Mar. 23.
Stop This Costly Annoyance. For Anti-Friction Heel Locks for Stockings. H. H. Rowland. 16,136; Mar. 23.
There are Good Beers, There are Better Beers, but There is Only One Pilsner Urquell. For Beer. Pilsner Urquell Importing Co. Inc. 16,133; Mar. 23.
Why Lactogen Contains Absolutely Nothing but the Natural Constituents of Cow's Milk. For a Milk Product. Nestle's Milk Products, Inc. 16,126; Mar. 23.
Why Lactogen Meets the Accepted Standards of Scientific Nutrition. For a Milk Product. Nestle's Milk Products, Inc. 16,127; Mar. 23.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brooks, Harry E. (See Reeves, P. B., and Brooks.)
Chittenden, Edwin F., Ottawa Hills, Ohio. Window ventilator. 20,301; Mar. 23.
Cory, Harvey, Chicago, Ill. Stand for coffee funnels. 20,302; Mar. 23.
Dawn Manufacturing Corporation, The. (See Harper, C. C., and Kitendaugh, assignors.)
Dunham, C. A., Company. (See Taylor, E. A., Pence, and Dunham, assignors.)
Dunham, Clayton A. (See Taylor, E. A., Pence, and Dunham.)
Eclipse Fuel Engineering Company. (See McKee, Garnet W., assignor.)
Groff, Joseph C., Allentown, Pa. Performance gauging means for prime movers. 20,303; Mar. 23.
Harper, Clair C., Pomfret, Conn., and E. F. Kitendaugh, Oneida, N. Y., assignors, by mesne assignments, to The Dawn Manufacturing Corporation, Rochester, N. Y. Copy holder. 20,304; Mar. 23.
Hunt, C. Howard, Pen Company. (See Lukens, Hiram S., assignor.)
Kitendaugh, Eugene F. (See Harper, C. C., and Kitendaugh.)
Klahn, Emil, deceased, late of Summit, by J. M. Percival, Summit, N. J., administratrix. Apparatus for minimizing friction and vibration of rotor elements. 20,305; Mar. 23.
Lukens, Hiram S, Philadelphia, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J. Gold plating. 20,306; Mar. 23.
Mavrogenis, Aristote, Milwaukee, Wis., assignor to Radio Corporation of America, New York, N. Y. Wireless receiving apparatus. 20,307; Mar. 23.
McKee, Garnet W., assignor to Eclipse Fuel Engineering Company, Rockford, Ill. Meter connecting device. 20,308; Mar. 23.
Pence, Millard D. (See Taylor, E. A., Pence, and Dunham.)
Percival, Johanna M., administratrix. (See Klahn, Emil.)
Radio Corporation of America. (See Mavrogenis, Aristote, assignor.)
Reeves, Paul B., and H. E. Brooks, assignors to Reeves Pulley Company, Columbus, Ind. Automatic warp wind control for spinning frames. 20,309; Mar. 23.
Reeves Pulley Company. (See Reeves, P. B., and Brooks, assignors.)
Taylor, Elbert A., Arlington Heights, Ill., M. D. Pence, New York, N. Y., and C. A. Dunham, Glencoe, Ill., assignors to C. A. Dunham Company, Marshalltown, Iowa. Average temperature control mechanism for heating systems. 20,310; Mar. 23.
Von Okolicsanyi, Franz, Nuremberg, Germany. Picture assembling apparatus for television receivers. 20,311; Mar. 23.

LIST OF PLANT PATENTEES

Kintzele, Louis A. (See Rasmussen, John C., assignor.)
Rasmussen, John C., New Albany, Ind., assignor to Louis Alfred Kintzele, Denver, Colo. Carnation. 239; Mar. 23.

LIST OF DESIGN PATENTEES

Adams, Wilbur H., Cleveland Heights, Ohio, assignor to Stromberg Electric Company, Chicago, Ill. Time recorder casing. 103,663; Mar. 23.
American Hard Rubber Company. (See Carson, Oswald B., assignor.)
American Record Corporation. (See Case, John P., assignor.)
Anderson, Lloyd, assignor to National Lock Co., Rockford, Ill. Door handle. 103,758; Mar. 23.
Apex Electrical Manufacturing Company, The. (See Schwaneke, Fred C., Jr., assignor.)
Ash, Charles S., Milford, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 103,664; Mar. 23.
Balog, Cornel, New York, N. Y. Dress ornament. 103,704; Mar. 23.
Bank of The Manhattan Company, Trustee. (See Brogden, Ernest M., assignor.)
Banks, Gay T. W., Annapolis, Md. Cocktail compartment plate. 103,705; Mar. 23.
Barna, Herman, St. Paul, Minn. Game board. 103,759; Mar. 23.
Bayers, George W., Denver, Colo. Air-compressor unit. 103,665; Mar. 23.
Bingham Pump Company. (See Blom, Carl, assignor.)
Blackstone Manufacturing Company. (See Conterman, Fred A., assignor.)
Blom, Carl, assignor to Bingham Pump Company, Inc., Portland, Oreg. Wet type gas pump. 103,706; Mar. 23.
Brogden, Ernest M., Orlando, Fla., assignor to Bank of The Manhattan Company, Trustee, New York, N. Y. Display container or similar article. 103,666; Mar. 23.
Brogden, Ernest M., Orlando, Fla., assignor to Bank of The Manhattan Company, Trustee, New York, N. Y. Display container or similar article. 103,667; Mar. 23.
Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Instrument case. 103,760; Mar. 23.
Cardoza, Stuart J., Berkeley, Calif. Radio cabinet. 103,708; Mar. 23.
Carey, Leander T., Medford, Mass., assignor to Colella & Leighton Shoe Company, Lynn, Mass. Shoe. 103,707; Mar. 23.
Carr-Lowrey Glass Co. (See Funkey, John H., assignor.)
Carr-Lowrey Glass Co. (See Kohl, William R., assignor.)
Carr-Lowrey Glass Co. (See Lloyd, Philip G., assignor.)
Carson, Oswald B., Scarsdale, N. Y., assignor to American Hard Rubber Company, New York, N. Y. Receptacle for batteries or similar articles. 103,709; Mar. 23.
Case, John P., assignor to American Record Corporation, New York, N. Y. Novelty box. 103,668; Mar. 23.
Century Venetian Blind Co. Inc. (See Speirs, John E., assignor.)
Christen, Marcel, assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 103,710; Mar. 23.
Cohen, Harry, New York, N. Y. Slip. 103,711; Mar. 23.
Cohn, Harriet S., Brooklyn, N. Y. Salt and pepper shaker combination set. 103,669; Mar. 23.
Colella & Leighton Shoe Company. (See Carey, Leander T., assignor.)
Colonese, Vincent, Cleveland, Ohio. Automobile. 103,773; Mar. 23.
Columbian Enameling & Stamping Co., Inc. (See Rideout, John G., assignor.)
Concord Silversmiths Corporation. (See Simms, Charles F., assignor.)
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Tray. 103,670; Mar. 23.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Tray. 103,671; Mar. 23.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Wastebasket or similar receptacle. 103,712; Mar. 23.
Conterman, Fred A., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y. Combined washing machine and wringer. 103,672; Mar. 23.
Conterman, Fred A., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y. Combined washing machine and wringer. 103,673; Mar. 23.
Conterman, Fred A., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y. Combined washing machine and wringer. 103,674; Mar. 23.
Continental Distilling Corporation. (See Smith, Reuben R., assignor.)

Corman, Fred, Brooklyn, N. Y. Ensemble suit. 103,713; Mar. 23.
Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 103,761; Mar. 23.
Davis, Kenneth F., and J. J. Joseph, assignors to The Sikes Company, Inc., Buffalo, N. Y. Office chair. 103,714; Mar. 23.
Davis, William A., Chicago, Ill. Stocking darner. 103,715; Mar. 23.
Dazey Manufacturing Co. (See Spencer, Roy E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Tyson, Edmund H., assignor.)
Eastman Kodak Company. (See Teague, Walter D., assignor.)
Enscore, Florence H., New York, N. Y. Blouse or similar article. 103,716; Mar. 23.
Fairclough & Gold, Inc. (See Mohan, James, assignor.)
Fairclough & Gold, Inc. (See Stam, Jesse, assignor.)
Falke, Paul, Weehawken, N. J. Signal for motor vehicles. 103,675; Mar. 23.
Fegley, Thomas J., Jenkintown, and G. O. Leopold, assignors to North Bro's M'f'g Co., Philadelphia, Pa. Screw driver. 103,676; Mar. 23.
Flanagan, William B., assignor to A. Kreamer, Incorporated, Brooklyn, N. Y. Vegetable bin or similar article. 103,717; Mar. 23.
Flanagan, William B., assignor to A. Kreamer, Incorporated, Brooklyn, N. Y. Vegetable bin or similar article. 103,718; Mar. 23.
Flanagan, William B., assignor to A. Kreamer, Incorporated, Brooklyn, N. Y. Vegetable bin or similar article. 103,719; Mar. 23.
Fosgood Corporation. (See Foster, Joseph C., assignor.)
Foster, Joseph C., assignor to Fosgood Corporation, Leominster, Mass. Comb or the like. 103,677; Mar. 23.
Franklin, Lester K., Chicago, Ill. Lamp. 103,720; Mar. 23.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. 103,721; Mar. 23.
Funkey, John H., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 103,774; Mar. 23.
Galvin Manufacturing Corporation. (See Mitchell, Donald H., assignor.)
Gantner & Mattern Company. (See Upland, Theodore R., assignor.)
Giannini, Gabriel M., New York, N. Y. Microphone unit or the like. 103,795; Mar. 23.
Grant, Alexander R., Chicago, Ill., assignor to The Moore Corporation, Joliet, Ill. Gas stove. 103,775; Mar. 23.
Grant, Alexander R., Chicago, assignor to The Moore Corporation, Joliet, Ill. Back guard panel for stoves. 103,776; Mar. 23.
Graubner, Herman G., New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Flashlight casing. 103,678; Mar. 23.
Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 103,722; Mar. 23.
Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 103,762; Mar. 23.
Hanchett, Carolyn R., Falls Village, Conn. Corn slitter. 103,679; Mar. 23.
Hardy, Charles, New York, N. Y. Combination bar and ash receiver. 103,680; Mar. 23.
Hazel-Atlas Glass Company. (See Spence, James E., assignor.)
Hoffman, Alfred G., Cincinnati, Ohio, assignor to Midwest Radio Corporation. Radio cabinet. 103,777; Mar. 23.
Horsley, James H., Chicago, Ill. Lamp. 103,723; Mar. 23.
Hunt, J Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. 103,778; Mar. 23.
Hunt, J Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. 103,779; Mar. 23.
Hyun, Peter S., Los Angeles, Calif. Bottle. 103,724; Mar. 23.
Ice Cooling Appliance Corporation. (See Swanson, Wilburn H., assignor.)
Joseph, John J. (See Davis, K. F., and Joseph.)
Kelley, John E., Larchmont, N. Y. Combined pedestal and housing for vapor treatment apparatus or similar article. 103,725; Mar. 23.
Kelsey-Hayes Wheel Company. (See Ash, Charles S., assignor.)
Kelsey-Hayes Wheel Company. (See Kerr, James M., assignor.)
Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)
Kelsey-Hayes Wheel Company. (See Pattison, James W., assignor.)
Kennelly, Jeremiah D., Oak Park, Ill., assignor of one-half to E. V. Mars. Traffic signal. 103,681; Mar. 23.
Kerr, James M., Royal Oak, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 103,682; Mar. 23.
Kerr, James M., Royal Oak, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 103,726. Mar. 23.
Kirk, Claude R., River Forest, Ill. Platform scale. 103,780; Mar. 23.
Kirk, Claude R., River Forest, Ill. Platform scale. 103,781; Mar. 23.
Kirk, Claude R., River Forest, Ill. Platform scale. 103,782; Mar. 23.
Kirk, Claude R., River Forest, Ill. Platform scale. 103,783; Mar. 23.
Kirk, Claude R., River Forest, Ill. Platform scale. 103,784; Mar. 23.
Kohl, William R., Cumberland, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 103,785; Mar. 23.
Kreamer, A., Incorporated. (See Flanagan, William B., assignor.)
Kreisler, Jacques, New Rochelle, assignor to Jacques Kreisler Sales Corporation, New York, N. Y. Watch bracelet or similar article. 103,727; Mar. 23.
Kreisler, Jacques, Sales Corporation. (See Kreisler, Jacques, assignor.)
Lang, Carl, New York, N. Y. Display rack for piece goods. 103,763; Mar. 23.
Lednum, William E., assignor to Plakola Corporation, Easton, Md. Musical instrument. 103,683; Mar. 23.
Lee, Joseph B., et al. (See Snawadzki, Casimir J., assignor.)
Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 103,684; Mar. 23.
Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 103,728; Mar. 23.
Lentheric Incorporated. (See Shover, Lucie M., assignor.)
Leopold, George O. (See Fegley, T. J., and Leopold.)
Leppke, Louis A., Omaha, Nebr. Bottle. 103,729; Mar. 23.
Lloyd, Philip G., Jackson Heights, N. Y., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 103,730; Mar. 23.
Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jug. 103,731; Mar. 23.
Lowi, Leo, New York, N. Y. Ashtray. 193,685; Mar. 23.
Mars, Ethel V. (See Kennelly, Jeremiah, assignor.)
Marvin, John T. (See Matthews, B. L., and Marvin.)
Matthews, Birchard L., Lakewood, and John T. Marvin, Fairview, assignors to The Patrol Valve Company, Cleveland, Ohio. Fluid fuel burner. 103,732; Mar. 23.
Medoff, William, Brooklyn, assignor to National Cellulose Corporation, New York, N. Y. Combined transparent carton and cleansing tissue display. 103,786; Mar. 23.
Michelson, Margaret, New York, N. Y. Dress ensemble. 103,787; Mar. 23.
Michelson, Margaret, New York, N. Y. Dress ensemble. 103,788; Mar. 23.
Midwest Radio Corporation. (See Hoffman, Alfred G., assignor.)
Mitchell, Donald H., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Control device for radio receivers. 103,733; Mar. 23.
Mohan, James, Somerville, assignor to Fairclough & Gold, Inc., Boston, Mass. Textile fabric or similar article. 103,734; Mar. 23.
Mohan, James, Somerville, assignor to Fairclough & Gold, Inc., Boston, Mass. Textile fabric or similar article. 103,735; Mar. 23.
Mohan, James, Somerville, assignor to Fairclough & Gold, Inc., Boston, Mass. Textile fabric or similar article. 103,736; Mar. 23.
Moore Corporation, The. (See Grant, Alexander R., assignor.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Pump. 103,686; Mar. 23.
Motor Wheel Corporation. (See Hunt, J Harold, assignor.)
National Cellulose Corporation. (See Medoff, William, assignor.)
National Lock Co. (See Anderson, Lloyd, assignor.)
Newman, Morris, New York, N. Y. Brassière vest. 103,737; Mar. 23.
Nimschik, Helen, et al. (See Snawadzki, Casimir J., assignor.)
Nimschik, L. E., et al. (See Snawadzki, Casimir J., assignor.)
Nimschik, Philip F., et al. (See Snawadzki, Casimir J., assignor.)
Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Combined bottle and cap closure. 103,789; Mar. 23.
North Bro's M'f'g Co. (See Fegley, T. J., and Leopold, assignors.)
Owens-Illinois Can Company. (See Connor, Martha H., assignor.)
Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)
Owens-Illinois Glass Company. (See Lorenzen, Arnold I., assignor.)
Patrol Valve Company, The. (See Matthews, B. L., and Marvin, assignors.)
Pattison, James W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 103,687; Mar. 23.
Pattison, James W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 103,688; Mar. 23.
Pattison, James W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 103,738; Mar. 23.
Pattison, James W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 103,739; Mar. 23.
Pattison, James W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 103,740; Mar. 23.
Pattison, James W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 103,741; Mar. 23.

Pattison, James W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 103,742; Mar. 23.
Pittsburgh Plate Glass Company. (See Towle, Harold L., assignor.)
Plakola Corporation. (See Lednum, William E., assignor.)
Popper, Arthur, New York, N. Y. Combined display container and card game accessories. 103,764; Mar. 23.
Posnack, Emanuel R., Brooklyn, N. Y. Desk stand for papers and writing paraphernalia. 103,689; Mar. 23.
Racen, Ferdinand, assignor to W. G. Shelton Company, St. Louis, Mo. Chair. 103,690; Mar. 23
Raney, Robert M., Euclid, assignor to Willard Storage Battery Company, Cleveland, Ohio. Vent plug for storage batteries. 103,790; Mar. 23.
Raphaels, Edwin, New York, N. Y. Textile fabric. 103,765; Mar. 23.
Rideout, John G., Cleveland, Ohio, assignor to Columbia Enameling & Stamping Co., Inc., Terre Haute, Ind. Coffeepot. 103,691; Mar. 23.
Robinson, Joseph, New York, N. Y. Cap for electrical vaporizers. 103,692; Mar. 23.
Rosenholz, J. (See Ross, Walter, assignor.)
Ross, Walter, assignor to J. Rosenholz, New York, N. Y. Textile fabric. 103,766; Mar. 23.
Rusch, Albert H., Elizabeth, N. J. Clock. 103,791; Mar. 23.
Samstag, Louis A., New York, N. Y. Lipstick holder. 103,693; Mar. 23.
Schiess, Maurice J., New York, N. Y. Display stand or similar article. 103,694; Mar. 23.
Schwancke, Fred C., Jr., Kansas City, Mo., assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Combined washing machine casing and wringer. 103,743; Mar. 23.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Shapiro, Herbert, Newton, Mass. Shoe or similar article. 103,695; Mar. 23.
Shelton, W. G., Company. (See Racen, Ferdinand, assignor.)
Shover, Lucie M., assignor, by mesne assignments, to Lentheric Incorporated, New York, N. Y. Sachet. 103,744; Mar. 23.
Sikes Company, The. (See Davis, K. F., and Joseph, assignors.)
Simms, Charles F., assignor to Concord Silversmiths Corporation, Concord, N. H. Spoon or other article of flatware. 103,696; Mar. 23.
Smith, John, Augusta, Ga. Boat. 103,767; Mar. 23.
Smith, Reuben, R., assignor to Continental Distilling Corporation, Philadelphia, Pa. Drink indicator. 103,768; Mar. 23.
Snawadzki, Casimir J., assignor of one-fourth to J. B. Lee and L. E. Nimschik and one-half to P. F. Nimschik and H. Nimschik, Chicago, Ill. Game board. 103,697; Mar. 23.
Speirs, John E., Brooklyn, N. Y., assignor to Century Venetian Blind Co. Inc., New York, N. Y. Venetian blind. 103,745; Mar. 23.
Spence, James E., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Tumbler. 103,698; Mar. 23.
Spencer, Roy E., assignor to Dazey Manufacturing Co., Los Angeles, Calif. Flower holder. 103,769; Mar. 23.
Squibb, E. R., & Sons. (See Nitardy, Ferdinand W., assignor.)
Stam, Jesse, Cambridge, Mass., assignor to Fairclough & Gold, Inc., Boston, Mass. Textile fabric or similar article. 103,746; Mar. 23.
Steelman, James S., assignor to Whitall Tatum Company, Millville, N. J. Bottle. 103,792; Mar. 23.
Stromberg Electric Company. (See Adams, Wilbur H., assignor.)
Swanson, Wilburn H., assignor to Ice Cooling Appliance Corporation, Morrison, Ill. Refrigerator cabinet. 103,699; Mar. 23.
Swanson, Wilburn H., assignor to Ice Cooling Appliance Corporation, Morrison, Ill. Name plate. 103,770; Mar. 23.
Taylor Instrument Companies. (See Brown, H. Brainard, assignor.)
Teague, Walter D., New York, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y. Camera. 103,700; Mar. 23.
Teague, Walter D., Forest Hills, N. Y., assignor to Warren Telechron Company. Cyclometer clock case. 103,747; Mar. 23.
Teague, Walter D., Forest Hills, N. Y., assignor to Warren Telechron Company. Cyclometer clock case. 103,748; Mar. 23.
Teague, Walter D., Forest Hills, N. Y., assignor to General Electric Company. Cyclometer clock case. 103,749; Mar. 23.
Thorpe, Frank L., Deadwood, S. Dak. Ring. 103,750; Mar. 23.
Titelbaum, Joseph L., New York, N. Y. Textile fabric. 103,751; Mar. 23.
Towle, Harold L., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Refrigerator. 103,701; Mar. 23.
Trumbull, Frank S., Providence, R. I. Spoon or similar article. 103,702; Mar. 23.
Turpan, Mark, West New York, N. J. Textile fabric. 103,752; Mar. 23.
Turpan, Mark, West New York, N. J. Textile fabric. 103,753; Mar. 23.
Turpan, Mark, West New York, N. J. Textile fabric. 103,754; Mar. 23.
Turpan, Mark, West New York, N. J. Textile fabric. 103,755; Mar. 23.
Tyson, Edmund H., Caldwell, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Plastic tube or similar article. 103,756; Mar. 23.
Union Carbide and Carbon Corporation. (See Graubner, Herman G., assignor.)
Upland, Theodore R., Burlingame, assignor to Gantner & Mattern Company, San Francisco, Calif. Bathing trunks. 103,771; Mar. 23.
Voss, Walter K., Davenport, Iowa. Washing machine. 103,703; Mar. 23.
Walker, C. Charles, Pittsburgh, Pa. Automobile. 103,772; Mar. 23.
Warren Telechron Company. (See Teague, Walter D., assignor.)
Wenett, Philip, New York, N. Y. Dress ensemble. 103,793; Mar. 23.
Wenett, Philip, New York, N. Y. Dress. 103,794; Mar. 23.
Whitall Tatum Company. (See Steelman, James S., assignor.)
White, Gilbert E., Milwaukee, Wis. Cake knife. 103,757; Mar. 23.
Willard Storage Battery Company. (See Raney, Robert M., assignor.)
Yale Fabrics Corp. (See Christen, Marcel, assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Raiziss, G. W., and Kremens, assignors.)
Abramsen, Petter B., Dormont, assignor of one-half to Gustaf L. Fisk, Pittsburgh, Pa. Sizing round bars, wire, tubes, and the like. 2,074,714; Mar. 23.
Ackermann, Henri, Strasbourg, France. Tubular heating device for gynecological purposes. 2,074,634; Mar. 23.
Acme Steel Company. (See Ott, John E., assignor.)
Adams, Herbert L., Washington, D. C. Rudder. 2,074,765; Mar. 23.
Adams, Herbert L., Washington, D. C. Bodily movable plane. 2,074,766; Mar. 23.
Adams, Simpson J., Greenville, S. C. Lease forming reed. 2,074,635; Mar. 23.
Agfa Ansco Corporation. (See Hagedorn, M., and Ossenbrunner, assignors.)
Aichele, Frank X., East St. Louis, Ill. Camera shutter control device. 2,074,767; Mar. 23.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control for compressors and the like. 2,074,738; Mar. 23.
Albers, Gerhard H. (See Albers, John R., and G. H.)
Albers, John R., and G. H., assignors to Wincharger Corporation, Sioux City, Iowa. Safety device for wind driven generators. 2,074,952; Mar. 23.
Allan, James R., Oak Park, and F. H. Amos, Chicago, Ill., assignors to International Harvester Company. Recirculating air system for dust removal. 2,074,317; Mar. 23.
Alley, Thomas R., Alleyton, Tex., assignor of thirty-nine and five-tenths per cent to W. Pool, Colorado County, Tex., and thirty and five-tenths percent to J. Rhoades, ten per cent to K. C. Barkley, two and five-tenths per cent to E. C. Terrell, and eight and five-tenths per cent to W. D. Estlinbaum (their) Pump. 2,074,450; Mar. 23.
American Bitumuls Company. (See McKesson, Claude L., assignor.)
American Brass Company, The. (See Hull, Daniel R., assignor.)
American Brass Company, The. (See Pickard, W. B., and Maxwell, assignors.)
American Can Company. (See Grover, Victor T., assignor.)
American Can Company. (See Stewart, Charles W., assignor.)
American Car and Foundry Motors Company. (See Dayes, Frederick E., assignor.)
American Chlorophyll, Inc. (See Van Sant, Robert H., assignor.)
American Cyanamid & Chemical Corporation. (See Davis, Clarke F., assignor.)
American Laundry Machinery Company, The. (See Hetzer, Russell A., assignor.)
American Laundry Machinery Company, The. (See Malott, Clifton S., Jr., assignor.)
American Laundry Machinery Company, The. (See Mathews, Albert, assignor.)
American Laundry Machinery Company, The. (See Watkins, Frank M., assignor.)
American Magnesium Metals Corporation. (See Hansgirg, Fritz, assignor.)
American Rolling Mill Company, The. (See Sendzimir, Tadeusz, assignor.)
American Rolling Mill Company, The. (See Tytus, J. B., and Hudson, assignors.)
American Sheet and Tin Plate Company. (See Belding, Harvey R., assignor.)
American Sheet and Tin Plate Company. (See McElhaney, J. R., and Stoker, assignors.)
American Sheet and Tin Plate Company. (See Orr, Howard S., assignor.)
American Steel and Wire Company of New Jersey, The. (See Beatty, C. C., and Lloyd, assignors.)
American Steel and Wire Company of New Jersey, The. (See Brickman, A. E., and Gleason, assignors.)
American Steel and Wire Company of New Jersey, The. (See Camp, R. E., and Strysik, assignors.)
American Steel and Wire Company of New Jersey, The. (See Carstarphen, Fred C., assignor.)
American Steel and Wire Company of New Jersey, The. (See Rose, George H., assignor.)
American Steel and Wire Company of New Jersey, The. (See Sabol, Ernest J., assignor.)
American Telephone and Telegraph Company. (See Bixel, E. C., and Smith, assignors.)
American Tool Works Company, The. (See Hoelscher, William G., assignor.)
Amos, Frank H. (See Allan, J. R., and Amos.)
Amsden, Ralph D., Lynn, Mass., assignor to General Electric Company. Photometric battery tester. 2,074,825; Mar. 23.

Andres, Lloyd J., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich. Projection shutter. 2,074,636; Mar. 23.
Andrews, Chester E., Overbrook, and L. W. Covert, Philadelphia, assignors to Röhm & Haas Company, Philadelphia, Pa. Purification of capryl alcohol. 2,074,528; Mar. 23.
Andrews Steel Company, The. (See Little, Howard J., assignor.)
Armstrong, Addison C. (See Sargent, A., and Armstrong.)
Armstrong, Percy A. E., Westport, Conn. Making composite metal articles. 2,074,352; Mar. 23.
Art Metal Construction Company. (See Jones, James R., assignor.)
Arveson, Maurice H., Highland, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Utilization of molten material as heat transferring medium. 2,074,529; Mar. 23.
Asch, Abraham B. (See Laughlin, W. C., and Asch.)
Aseltine, Fred E., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Charge forming device. 2,074,353; Mar. 23.
Ash, Charles S., Birmingham, Mich. Touring car. 2,074,354; Mar. 23.
Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. (See Wünsch, Guido, assignor.)
Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. (See Ziebolz, H., and Wünsch, assignors.)
Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Automatic Musical Instrument Company. (See Andres, Lloyd J., assignor.)
Automotive Products Company Limited. (See Brown, Francis V., assignor.)
Autosan Corporation of America. (See Kruse, Willy, assignor.)
Autosan Corporation of America, The. (See Wagner, Hans P., assignor.)
Axtmann, Harold G., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,074,715; Mar. 23.
Axtmann, Harold G., Dearborn, Mich., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,074,716; Mar. 23.
Bantz, Margaret C., South Orange, N. J., assignor to Model Brassiere Corporation, Brooklyn, N. Y. Garment. 2,074,975; Mar. 23.
Bachmann, Robert A., New York, N. Y. Retainer for sanitary toilet seat covers. 2,074,318; Mar. 23.
Baerenrodt, E. F. (See Hugmley, William C., assignor.)
Bailey Meter Company. (See Johnson, Clarence, assignor.)
Bailey, Walter T. (See Rider, E. G., and Bailey.)
Baker, David B., Riverside, C. R. Rogers, Oak Park, and N. O. Panzegrau, Chicago, Ill. International Harvester Company. Steering and driving control for tractors. 2,074,319; Mar. 23.
Baker-Raulang Company, The. (See Stoner, Frank, assignor.)
Ballentine, Earle W., assignor to Solar Industries, Inc., Chicago, Ill. Flame failure indicator. 2,074,637; Mar. 23.
Barker, Norris. (See Saalman, L. S., and Barker.)
Barkley, K. C., et al. (See Alley, Thomas R., assignor.)
Barrett Company, The. (See Eckert, Clarence R., assignor.)
Barrett Company, The. (See Gambrill, George T., Jr., assignor.)
Bates, Ralph I., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,074,335; Mar. 23.
Battelle Memorial Institute, The. (See Bird, B. M., Thomas, and Rea, assignors.)
Bauer, Bruno, Vienna, Austria. Combination wrapping. 2,074,320; Mar. 23.
Baumann, Paul, Ludwigshafen-on-the-Rhine, R. Stadler, Ziegelhausen, and H. Schilling, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Working up gases containing hydrocarbons in electric arcs. 2,074,530; Mar. 23.
Bearce, Charles A., North Adams, and H. L. Sawyer, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoe uppers. 2,074,356; Mar. 23.
Beardsley, Ralph H., Marion, Ohio. Woodworking machine. 2,074,976; Mar. 23.
Beatty, Claire C., and E. J. Lloyd, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Aerial tramway. 2,074,953; Mar. 23.

Beaumont Iron Works Company. (See Kitchel, G. B., and Roach, assignors.)
Beaver, Roy C., Greenville, Pa. Closure apparatus. 2,074,768; Mar. 23.
Bechman, William O., Chicago, Ill., assignor to International Harvester Company. Engine pump jack. 2,074,321; Mar. 23.
Bechman, William O., Chicago, Ill., assignor to International Harvester Company. Spark advance for magnetos. 2,074,322; Mar. 23.
Beck, Kolier & Company. (See Hönel, Herbert, assignor.)
Becvar, Joseph, Wickliffe, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio. Gas burner. 2,074,531; Mar. 23.
Beisser, Charlotte, administratrix. (See Beisser, Georg.)
Beisser, Georg, deceased, Hamburg-Rahlstedt, Germany; C. Beisser, administratrix, Hamburg-Rahlstedt, Germany. Scale. 2,074,884; Mar. 23.
Belding, Harvey R., Vandergrift, Pa., assignor to American Sheet and Tin Plate Company. Treating metals. 2,074,954; Mar. 23.
Bell Telephone Laboratories, Incorporated. (See Wright, Sumner B., assignor.)
Bender, Harry, Antioch, Calif., assignor to Great Western Electro-Chemical Company. Carbon body. 2,074,885; Mar. 23.
Bendix Aviation Corporation. (See Axtmann, Harold G., assignor.)
Bendix Aviation Corporation. (See Carroll, Eugene G., assignor.)
Bendix Aviation Corporation. (See Cunningham, Marion M., assignor.)
Bendix Aviation Corporation. (See Hunt, George H., assignor.)
Bendix Aviation Corporation. (See Hunt, Scott F., assignor.)
Bendix Aviation Corporation. (See Kerr, Henry H., Jr., assignor.)
Bendix Brake Company. (See Bendix, Vincent, assignor.)
Bendix Brake Company. (See Fowler, Owen H., assignor.)
Bendix Brake Company. (See Gallup, David L., assignor.)
Bendix Brake Company. (See Starr, Albert C., assignor.)
Bendix Brake Company. (See Taylor, Cecil H., assignor.)
Bendix Products Corporation. (See Axtmann, Harold G., assignor.)
Bendix Products Corporation. (See Goepfrich, Rudolph A., assignor.)
Bendix Products Corporation. (See Tatter, John W., assignor.)
Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,074,717; Mar. 23.
Berberian, Levon M., Union City, N. J. Box. 2,074,451; Mar. 23.
Bergmann, Auguste, Reims, France. Heating element for drying apparatus. 2,074,452; Mar. 23.
Bergstein, Samuel, Cincinnati, Ohio. Carton and manufacturing the same. 2,074,357; Mar. 23.
Bergstein, Samuel, Cincinnati, Ohio. Machine and method for making tubular containers. 2,074,886; Mar. 23.
"Berzelius" Metallhutten-Gesellschaft mit beschrankter Haftung. (See Pör, Aladár, assignor.)
Beshore, Paul S., Kearney, Nebr. Midget radio receiver. 2,074,887; Mar. 23.
Bicusa, George M., West Melrose Park, Ill. Motor vehicle chassis construction. 2,074,533; Mar. 23.
Bihler, Walter G., and H. J. Schuldt, assignors to General Motors Corporation, Detroit, Mich. Graining. 2,074,532; Mar. 23.
Bird, Byron M., B. D. Thomas, and J. W. Rea, assignors to The Battelle Memorial Institute, Columbus, Ohio. Launder method for separating and sorting materials. 2,074,977; Mar. 23.
Birdseye, Clarence, Gloucester, Mass., assignor to Birdseye Electric Corporation, Dover, Del. Luminous reflecting lamp. 2,074,888; Mar. 23.
Birdseye Electric Corporation. (See Birdseye, Clarence, assignor.)
Bixel, Edward C., West Orange, and T. C. Smith, Westfield, N. J., assignors to American Telephone and Telegraph Company. Vehicle cover. 2,074,358; Mar. 23.
Black, Edith M., Chicago, Ill. Collapsible box. 2,074,638; Mar. 23.
Blake, Bernice L., Oak Park, Ill. Lingerie pin. 2,074,359; Mar. 23.
Blaw-Knox Company. (See Chandler, Willard P., Jr., assignor.)
Boggs, Charles R., Waban, assignor to Simplex Wire & Cable Company, Boston, Mass. High tension rubber insulation. 2,074,826; Mar. 23.
Bohannan, Robert S., Birmingham, Ala. Differential fluid pressure control system. 2,074,718; Mar. 23.
Bolton, John W., Cincinnati, and O. E. Harder, Columbus, assignors to The Lunkenheimer Company, Cincinnati, Ohio. Alloy. 2,074,604; Mar. 23.
Boothby Fibre Can Company. (See Gazette, Marshall E., assignor.)
Borg-Warner Corporation. (See Kirby, Charles H., assignor.)
Borg-Warner Corporation. (See White, S. O., and Fishburn, assignors.)
Borgerd, William F., Riverside, Ill., assignor to International Harvester Company. Oil separator for compressors. 2,074,323; Mar. 23.
Bounds, Overton M., Oklahoma City, Okla. Brake for airplanes. 2,074,360; Mar. 23.
Bovaird and Company. (See Gibson, Jesse G., assignor.)
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Equalized hydraulic brake. 2,074,361; Mar. 23.
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure actuated motor. 2,074,362; Mar. 23.
Brackett, Tracy F., Detroit, Mich. Making wheels. 2,074,453; Mar. 23.
Braddon, Fred D., Babylon, assignor to Sperry Products, Inc., Brooklyn, N. Y. Indicating device for flaw detector mechanism. 2,074,739; Mar. 23.
Brandt, David G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Recovery and stabilization of gasoline. 2,074,978; Mar. 23.
Brannan, Eldred B., assignor of twenty-five per cent to D. H. Dunham, and twenty-five per cent to G. L. Niles, Alcova, Wyo. Compensating volume control safety device. 2,074,889; Mar. 23.
Brantingson, Sigurd, Palisades Park, N. J., assignor to Francis Kell & Son, Inc. Latch and striker construction. 2,074,979; Mar. 23.
Braun, Ernest J., Stamford, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dining table equipment. 2,074,769; Mar. 23.
Brett, Roy C. (See O'Brien, W. J., and Brett.)
Brickman, Alan E., and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Flexible conduit with end fittings. 2,074,770; Mar. 23.
Brickman, Alan E., and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Road guard. 2,074,771; Mar. 23.
Briggs, George L., Oneida, N. Y. Skid chain. 2,074,534; Mar. 23.
Brinton, Christian H. (See Tevander, O. N., and Brinton.)
Brokering, Gertrude E., Dayton, Ohio. Necktie retainer. 2,074,535; Mar. 23.
Brown, Francis V., assignor to Automotive Products Company Limited, London, England. Locking means for fluid pressure motors. 2,074,772; Mar. 23.
Brown, Glendon C., and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Low voltage, phase failure, and phase reversal protective means. 2,074,454; Mar. 23.
Brown, Le Roy O., assignor to Justrite Manufacturing Company, Chicago, Ill. Portable electric lamp casing. 2,074,536; Mar. 23.
Brown, William H., assignor to Mueller Electric Company, Cleveland, Ohio. Clip connecter. 2,074,324; Mar. 23.
Budd, Edward G., Manufacturing Co. (See Dean, Walter B., assignor.)
Bulldog Electric Products Company. (See Frank, William H. and H. J. L., and Messing, assignors.)
Burden, John S. (See Hartman, G. H., and Burden.)
Burdick, Ralph V., Albany, N. Y. Compartment box. 2,074,639; Mar. 23.
Burke, Richard J., Altadena, Calif. Astronomical toy. 2,074,363; Mar. 23.
Butler, Clifford L., Wilmette, Ill. Apparatus for controlling the temperature in rooms. 2,074,827; Mar. 23.
C M C Corporation. (See Moreno, Gabriel G., assignor.)
Cable, George W., et al. (See Paterson, Earle W. G., assignor.)
Cage, John M., Schenectady, N. Y., assignor to General Electric Company. Electron beam tube. 2,074,829; Mar. 23.
Camerota, Louis A., Burlington, N. J., assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Pouring spout adapted for use with centrifugal casting machines. 2,074,537; Mar. 23.
Camp, Raymond E., and J. J. Strysik, Joliet, Ill., assignors to The American Steel and Wire Company of New Jersey. Lead-headed nail. 2,074,773; Mar. 23.
Camp, Raymond E., and J. J. Strysik, Joliet, Ill., assignors to The American Steel and Wire Company of New Jersey. Lead-headed nail. 2,074,774; Mar. 23.
Camp, Raymond E., and J. J. Strysik, Joliet, Ill., assignors to The American Steel and Wire Company of New Jersey. Lead-headed nail. 2,074,775; Mar. 23.
Camp S. H. & Company. (See Cotey, R. F., and Fleck, assignors.)
Campbell Metal Window Corporation. (See Sargent, A., and Armstrong, assignors.)
Camps, Juan P., Sabadell, Spain. Clutch and brake mechanism for looms. 2,074,955; Mar. 23.
Canadian International Paper Company. (See Jayme, Georg, assignor.)
Carew, Herman, assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Container and closure cap therefor. 2,074,325; Mar. 23.

Carleton, Robert A., Brooklyn, assignor to National Electric Heating Company, Inc., New York, N. Y. Electric heating and drying roll. 2,074,455; Mar. 23.
Carleton, Robert A., Brooklyn, assignor to National Electric Heating Co., Inc., New York, N. Y. Revivifying clay. 2,074,456; Mar. 23.
Carlson, Bert G., Bellerose, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Level flight control for airplanes. 2,074,828; Mar. 23.
Carroll, Eugene G., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,074,719; Mar. 23.
Carstarphen, Fred C., Denver, Colo., assignor to The American Steel and Wire Company of New Jersey. Wire rope. 2,074,956; Mar. 23.
Carter, Clarence L., Pittsburgh, Pa. Smoking pipe. 2,074,457; Mar. 23.
Casler, Herman, Canastota, N. Y. Photographic pack. 2,074,890; Mar. 23.
Cavagnaro, Nicholas J., Richmond Hill, assignor to Consolidated Macaroni Machinery Corporation, Brooklyn, N. Y. Apparatus for drying short alimentary paste. 2,074,458; Mar. 23.
Celanese Corporation of America. (See Miles, George W., assignor.)
Chandler, Willard P., Jr., assignor to Blaw-Knox Company, Pittsbrugh, Pa. Water cooler for furnaces. 2,074,576; Mar. 23.
Chirelstein, Nathan, Newark, N. J. Coupling. 2,074,957; Mar. 23.
Chirelstein, Nathan, Newark, N. J. Coupling. 2,074,958; Mar. 23.
Christensen, Niels A., South Euclid, Ohio. Air compressor. 2,074,980; Mar. 23.
Christy Company, The. (See Christy, Russ J., assignor.)
Christy, Russ J., New Smyrna, Fla., assignor to The Christy Company, Fremont, Ohio. Pocketknife. 2,074,640; Mar. 23.
Cinch Manufacturing Corporation. (See Knutson, Carl L., assignor.)
Cincinnati Milling Machine Co., The. (See Howe, Wilfred H., assignor.)
Clark, William J., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Measurement of high temperatures. 2,074,641; Mar. 23.
Clein, Elias, Brooklyn, N. Y. Curling iron. 2,074,364; Mar. 23.
Cleveland Cooperative Stove Company, The. (See Beevar, Joseph, assignor.)
Clifford, Edward C., Sand Lake, N. Y. Cooling and dispensing apparatus for kegs. 2,074,365; Mar. 23.
Cline, Allan J. (See McCleery, H. L., and Cline.)
Cline, Bertram F., Los Angeles, Calif. Window sash lock. 2,074,501; Mar. 23.
Codney, Arthur O., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Method and apparatus for removing charging plugs from batteries. 2,074,681; Mar. 23.
Cohn, Sidney, assignor to Sigmund Cohn, New York, N. Y. Palladium nickel alloy. 2,074,996; Mar. 23.
Cohn, Sigmund. (See Cohn, Sidney, assignor.)
Cole, Charles B., Berwyn, and O. L. Lewis, Chicago, Ill. Boring and facing tool head. 2,074,459; Mar. 23.
Collins, Edward W., L. E. Poole, and C. A. Nichols, Anderson, Ind., assignors to General Motors Corporation. Armature assembling machine. 2,074,366; Mar. 23.
Colt, Samuel S., Orange, N. J. Form retaining means. 2,074,460; Mar. 23.
Colt's Patent Fire Arms Manufacturing Co. (See Conner, Benjamin F., assignor.)
Congable, Henry F., Oakland, Calif. Sheet metal gate for irrigation pipes. 2,074,502; Mar. 23.
Connal, William F., Montreal, Quebec, Canada. Combined seat and luggage compartment for railway parlor cars. 2,074,461; Mar. 23.
Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Container closure. 2,074,830; Mar. 23.
Conrad, Nicholas J., Winnetka, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse. 2,074,538; Mar. 23.
Consolidated Macaroni Machinery Corporation. (See Cavagnaro, Nicholas J., assignor.)
Converse, Atherton D., assignor to Dorothy T. Converse, Winchendon, Mass. Folding table. 2,074,981; Mar. 23.
Converse, Dorothy T. (See Converse, Atherton D., assignor.)
Cooper, John M. (See Lyne, J. A., De La Mater, and Cooper.)
Cordes, Adella M. (See Cordes, John H., assignor.)
Cordes, John H., assignor to A. M. Cordes, St. Louis, Mo. Carburetor. 2,074,367; Mar. 23.
Corner, George H. C., Birmingham, England, assignor to Hookless Fastener Company. Apparatus for making slide fasteners. 2,074,368; Mar. 23.
Cortella, Alfonso. (See Lohn, P., and Cortella.)
Cotey, Renah F., and C. H. Fleck, Jackson, assignors to S. H. Camp & Company, Jackson, Mich. Combination garment. 2,074,776; Mar. 23.
Cotugno, Antonio. (See Krause, Andrew G., assignor.)
Coulton, William C., Medford, Mass., assignor, by mesne assignments of one-eighth to A. A. Stearns, Brooklyn, and B. Lichterman, New York, N. Y. Air conditioning and ventilation of houses. 2,074,370; Mar. 23.
Coupler, Marcel M. J. E., Paris, France. Concentric cable with mineral insulation. 2,074,777; Mar. 23.
Coverston, George C., Fallon, Nev. Cooling apparatus. 2,074,642; Mar. 23.
Covert, Lloyd W. (See Andrews, C. E., and Covert.)
Crandall, Eugene L. (See Piercy, C. A., and Crandall.)
Crane, F. C. (See Rood, Walter H., assignor.)
Crawford, McGregor and Canby Company, The. (See Rickey, Clarence H., assignor.)
Crosley Radio Corporation, The. (See Israel, Dorman D., assignor.)
Crosley Radio Corporation, The. (See Mittendorf, W. R., and Money, assignors.)
Cummings, James, Muskegon Heights, and E. H. Sheldon, assignors to E. H. Sheldon and Company, Muskegon, Mich. Drawer guide. 2,074,371; Mar. 23.
Cunningham, Marion M., assignor to Bendix Aviation Corporation, South Bend, Ind. Testing apparatus. 2,074,372; Mar. 23.
Cutler, Asa B. (See Cutler, Frank W., and A. B.)
Cutler, Frank W. and A. B., Portland, Oreg., assignors to Food Machinery Corporation, San Jose, Calif. Fruit drier. 2,074,740; Mar. 23.
Cutler-Hammer, Inc. (See Brown, G. C., and Seeger, assignors.)
Dailey, Manvel C. (See Randel, W. S., Dailey, and McNeil.)
Dainton, Edgar H. (See Logette, A. I., and Dainton.)
Dame, Charles V., Lanark, Ill. Drain trap. 2,074,462; Mar. 23.
Davis, Clarke F., Short Hills, N. J., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Fireproofing slab. 2,074,463; Mar. 23.
Davis, Robert W., et al. (See Paterson, Earle W. G., assignor.)
Dawson, Horace W., U. S. Army, Fort Lewis, Wash. Nozzle holder. 2,074,326; Mar. 23.
Dayes, Frederick E., Philadelphia, Pa., assignor to American Car and Foundry Motors Company, New York, N. Y. Lubricating system. 2,074,373; Mar. 23.
Dean, Walter B., Narberth, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Rail car truck. 2,074,891; Mar. 23.
Decker, Heinrich, Cologne, Germany, assignor to Okopa Carbon Paper Eliminator Limited, London County, England. Typewriter. 2,074,778; Mar. 23.
De Courcy, Henry J., assignor of one-half to A. C. Schwarz, Seattle, Wash. Kite. 2,074,327; Mar. 23.
De Florez, Luis, Pomfret, Conn., assignor to The Texas Company, New York, N. Y. Treatment of hydrocarbon oils. 2,074,539; Mar. 23.
De La Mater, Robert G. (See Lyne, J. A., De La Mater, and Cooper.)
De Launay, Maurice B., Le Quillio, France. Expansible nut unable to work loose. 2,074,779; Mar. 23.
Delinting Cotton Seed Company. (See Holloman, L. C., assignor, and Stukenborg.)
De Los Rice, Charles, West Hartford, Conn. Spring suspension. 2,074,489; Mar. 23.
Demcak, Andrew, Two Rivers, Wis., assignor to Hamilton Manufacturing Company. Adjustable supporting and utility structure. 2,074,780; Mar. 23.
Deright, Elon J. (See Heinrich, W. A., Fox, and Deright.)
Derry, Jasper, Medford, Mass., assignor to Terkelsen Machine Company, Boston, Mass. Wrapping machine. 2,074,892; Mar. 23.
De Stoutz, Robert, Zurich, Switzerland. Formation of filaments of artificial silk and the like. 2,074,682; Mar. 23.
Dick, Herman J., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,074,375; Mar. 23.
Di Marzio, Vincent, Swissvale, Pa. Resilient bridge for stringed musical instruments. 2,074,982; Mar. 23.
Dobeckmun Company, The. (See Schmidt, David, assignor.)
Dodge, Adiel Y., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 2,074,503; Mar. 23.
Doherty Research Company. (See Brandt, David G., assignor.)
Domenego, Mauriz, Vienna, Austria. Device for holding ornaments, illumination devices, and so forth. 2,074,643; Mar. 23.
Dorcey, Frances, Milwaukee, Wis. Decorating eggs. 2,074,376; Mar. 23.
Dorsey, Benjamin L., Los Angeles, Calif. Bait holder. 2,074,540; Mar. 23.
Dowsett, Harry M., and E. F. Goodenough, London, England, assignors to Radio Corporation of America. Thermionic valve circuit arrangement. 2,074,831; Mar. 23.
Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 2,074,741; Mar. 23.
Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 2,074,742; Mar. 23.
Drennan, Harry E., Whittenburg, Tex., assignor to Phillips Petroleum Company. Extracting and recovering volatile hydrocarbons from gases. 2,074,644; Mar. 23.
Dreyfus, Jean, Paris, France. Radio dial construction. 2,074,577; Mar. 23.
Driggs, Louis L., Jr., Tippecanoe City, Ohio. Flare. 2,074,683; Mar. 23.

Drinkwater, Charles M., Chicago, Ill. Liquid dispensing apparatus. 2,074,541; Mar. 23.
Duffield, William A., assignor to Juno Corporation Limited, Montreal, Quebec, Canada. Variable speed power transmission. 2,074,781; Mar. 23.
Dunham, David H., et al. (See Brannan, Eldred B., assignor.)
Dunlop Rubber Company, Limited. (See Twiss, D. F., and Owen, assignors.)
Dunn, Carl L., Trion, Ga. Glove. 2,074,893; Mar. 23.
Dunn, Edward L., Livingston, N. J., and D. C. Larson, Yonkers, N. Y., assignors to Otis Elevator Company, New York, N. Y. Elevator control. 2,074,578; Mar. 23.
Du Pont, E. I., de Nemours & Company. (See Braun, Ernest J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Edgar, Donald E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)
Du Pont, E. I., de Nemours & Company. (See King, Frederick C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lenher, S. Gillson, and Mentzer, Jr., assignors.)
Du Pont, E. I., de Nemours & Company. (See Smith, Wilfred W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Underwood, William F., assignor.)
Durand, Louis P., Paris, France. Radio-phono-telephonic system. 2,074,894; Mar. 23.
Durant, John D., assignor to Schwarze Electric Company, Adrian, Mich. Indicator. 2,074,895; Mar. 23.
Dushane, Charles B. Jr., Chicago, Ill. Apparatus for determining the cubic capacity of hollow articles. 2,074,832; Mar. 23.
Dwyer, William M., assignor to W. H. Miner, Inc., Chicago, Ill. Hatch cover fastener and lock. 2,074,464; Mar. 23.
Earnshaw, David P., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Antenna system for multiband radio receivers. 2,074,896; Mar. 23.
Ebersberger, Josef, Leverkusen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Pyrene compounds. 2,074,645; Mar. 23.
Eckert, Clarence R., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Making thick butt shingles. 2,074,684; Mar. 23.
Eckhard, William K., Dunellen, N. J., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Sheet feeding mechanism for printing machines. 2,074,720; Mar. 23.
Edgar, Donald E., Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous compositions and making same. 2,074,782; Mar. 23.
Edwards, O. M., Company, The. (See Edwards, Oliver M., assignor.)
Edwards, Oliver M., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window and sash construction. 2,074,377; Mar. 23.
Edwards, William F. M., assignor to Filter Tips Limited, London, England. Cigarette machine. 2,074,783; Mar. 23.
Eggemann, Johannes, Holm, Germany. Boring tool. 2,074,605; Mar. 23.
Eldridge, Moffett W., Charlotte, N. C. Cigarette holder. 2,074,542; Mar. 23.
Elkins, Julia, New York, N. Y. Cosmetic make-up device. 2,074,378; Mar. 23.
Elliot, Henry W., New York, N. Y. Filing cabinet for mimeograph stencils. 2,074,606; Mar. 23.
Elvert, Heinrich. (See Roth, P., Elvert, and Steinberger.)
Engstrom, Gustaf W., Riverside, Ill., assignor to International Harvester Company. Substitute front truck for tractors. 2,074,685; Mar. 23.
Erdmann, Konrad, Radenthein, Carinthia, Austria. Building element. 2,074,721; Mar. 23.
Estlinbaum, W. D., et al. (See Alley, Thomas R., assignor.)
Everel Products Corporation. (See Everts, Walter W., assignor.)
Everett, Edward A., Long Island City, N. Y. Electric rail bond. 2,074,379; Mar. 23.
Everts, Walter W., assignor to Everel Products Corporation, Baltimore, Md. Aeroplane. 2,074,897; Mar. 23.
Exact Weight Scale Company, The. (See Flanagan, Thomas B., assignor.)
Exhibit Supply Company. (See Radtke, Bruno, assignor.)
Faltermayer, Frederick W., Philadelphia, Pa. Speed change device. 2,074,997; Mar. 23.
Farmer, Clyde C., Pittsburgh, and E. E. Hewitt, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,074,743; Mar. 23.
Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Dynatron oscillator. 2,074,465; Mar. 23.
Farrand, Clair L., Larchmont, assignor to United Research Corporation, Long Island City, N. Y. Plural motor interlock system. 2,074,686; Mar. 23.
Fash, Ralph H., Fort Worth, Tex. Shaving preparation. 2,074,833; Mar. 23.
Faucher, Louis P., North Grosvenor Dale, Conn. Bakery equipment. 2,074,744; Mar. 23.
Feaster, John H., assignor of one-half to C. H. Pritchard, Des Moines, Iowa. High pressure gas compressor. 2,074,543; Mar. 23.
Fendner, Willard J., assignor to Frederic Schaefer, Pittsburgh, Pa. Wear plate assembly. 2,074,722; Mar. 23.
Fernberg, Eric B., Pinnerwood Park, England. Razor. 2,074,544; Mar. 23.
Fesl, Albert, Chicago, Ill. Shoe structure. 2,074,579; Mar. 23.
Feuerbach, Ferdinand L., Richmond Hill, assignor to S. M. Frank & Co., Inc., New York, N. Y. Stub ejector means for cigarette and cigar holders. 2,074,466; Mar. 23.
Feussner, Helmut, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Keying. 2,074,687; Mar. 23.
Filter Tips Limited. (See Edwards, William F. M., assignor.)
Filtration Equipment Corporation. See Laughlin, W. C., and Asch, assignors.)
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for attaching shoe soles. 2,074,834; Mar. 23.
Firestone Cotton Mills. (See Lewis, Arthur P., assignor.)
Firestone Tire & Rubber Company, The. (See Nichols, George B., assignor.)
Fishburn, Otto E. (See White, S. O., and Fishburn.)
Fisk, Gustaf L. (See Abramsen, Petter B., assignor.)
Fitch, William H., Plainfield, N. J. Powdered coal furnace. 2,074,504; Mar. 23.
Fitz Gerald, Alan S., Wynnewood, Pa. Electric Elevator indicating system. 2,074,835; Mar. 23.
Fitz Gerald, Alan S., Wynnewood, Pa. Alternating current electric power control system. 2,074,836; Mar. 23.
Flanagan, Thomas B., assignor to The Exact Weight Scale Company(Columbus, Ohio. Weighing scale. 2,074,983; Mar. 23.
Fleck, Christian H. (See Cotey, R. F., and Fleck.)
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Antifoaming agents. 2,074,380; Mar. 23.
Fleysher, Maurice H., and J. Ogilvie, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Brominated pyranthrones and method of making. 2,074,381; Mar. 23.
Florence Pipe Foundry & Machine Company. (See Camerota, Louis A., assignor.)
Food Machinery Corporation. (See Cutler, Frank W., and A. B., assignors.)
Food Machinery Corporation. (See Twomley, Herbert E., assignor.)
Ford, Robert E., assignor to Luther Ford & Company, Minneapolis, Minn. Treating pouring orifices for drip-free containers. 2,074,382; Mar. 23.
Fotsch, William G., assignor to Reliable Electric Co., Chicago, Ill. Connection terminal. 2,074,898; Mar. 23.
Fourness, Charles A., Appleton, and J. M. Graef, Neenah, Wis., assignors, by mesne assignments, to International Cellucotton Products Company, Chicago, Ill. Cord coating and wrapping machine. 2,074,580; Mar. 23.
Fowler, Owen H., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,074,723; Mar. 23.
Fox, Charles A. (See Heinrich, W. A., Fox, and Deright.)
Frank, Harrison J. L. (See Frank, William H., and H. J. L. Messing.)
Frank, S. M., & Co. (See Feuerbach, Ferdinand L., assignor.)
Frank, William H., J. A. Messing, and H. J. L. Frank, assignors to Bulldog Electric Products Company, Detroit, Mich. Automatic refusing mechanism. 2,074,646; Mar. 23.
Fraser, George H., Brooklyn, N. Y. Gear drive and flexible rollable belt. 2,074,328; Mar. 23.
Fraser, George H., Brooklyn, N. Y. Gear drive or flexible rollable belt. 2,074,837; Mar. 23.
Frey, Sigmund, Los Angeles, Calif. Gate for irrigation pipes and the like. 2,074,607; Mar. 23.
Friend, J. Don, Paterson, N. J. Portable fence. 2,074,688; Mar. 23.
Friend, William F. (See Huffman, D. M., and Friend.)
Frommer, Leopold, Berlin-Zehlendorf, Germany, and J. Polak, Prague, Czech-Slovakia, assignors, by mesne assignments, to the firm Transfarma Aktiengesellschaft, Vaduz, Liechtenstein. Casting machine. 2,074,984; Mar. 23.
Frye, Robert G., Norwich Township, Franklin County, Ohio. Piston for engines. 2,074,581; Mar. 23.
Funk, Frederick G., assignor to Globe Egg Stabilizing Company, Chicago, Ill. Egg handling machine. 2,074,383; Mar. 23.
Gallup, David L., assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 2,074,724; Mar. 23.
Gambrill, George T., Jr., Birmingham, Ala., assignor to The Barrett Company, New York, N. Y. Combined inert gas recirculation and tar heater operation. 2,074,689; Mar. 23.
Games, Lloyd W., Weston, W. Va. Glass goblet stem forming tool. 2,074,784; Mar. 23.
Gattoni, John, Union City, assignor to Seederer-Kohlbush, Inc., Jersey City, N. J. Precision balance. 2,074,384; Mar. 23.
Gazette, Marshall E., assignor to Boothby Fibre Can Company, Boston, Mass. Container made of paper. 2,074,899; Mar. 23.

Gem-Dandy Garter Co. (See Mason, George C., Jr., assignor.)
General Aniline Works, Inc. (See Ebersberger, Josef, assignor.)
General Chemical Company. (See Wysor, Davidson C., assignor.)
General Electric Company. (See Amsden, Ralph D., assignor.)
General Electric Company. (See Cage, John M., assignor.)
General Electric Company. (See Greentree, Charles D., assignor.)
General Electric Company. (See Lemaigre, Louis E., assignor.)
General Electric Company. (See Nelson, Walter H., assignor.)
General Electric Company. (See Ogden, Harold S., assignor.)
General Electric Company. (See Piercy, C. A., and Crandall, assignors.)
General Electric Company. (See Stratton, Jerry L., assignor.)
General Electric Company. (See Wood, Alexander P., assignor.)
General Electric Company. (See Wright, George H., assignor.)
General Motors Corporation. (See Aseltine, Fred E., assignor.)
General Motors Corporation. (See Bates, Ralph I., assignor.)
General Motors Corporation. (See Bihler, W. G., and Schuldt, assignors.)
General Motors Corporation. (See Collins, E. W., Poole, and Nichols, assignors.)
General Motors Corporation. (See Dick, Herman J., assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Gordon, John F., assignor.)
General Motors Corporation. (See Hull, Harry B., assignor.)
General Motors Corporation. (See Killen, James R., assignor.)
General Motors Corporation. (See Poole, Lora E., assignor.)
General Motors Corporation. (See Schweller, Edmund F., assignor.)
General Motors Corporation. (See Williams, Harry M., assignor.)
General Pharmacal Company, The. (See Metcalfe, Earl F., assignor.)
Gentz, Edward W., assignor to the Sparks-Withington Company, Jackson, Mich. Refrigerator cabinet door rack. 2,074,785; Mar. 23.
Gerdts, Gustav F., Bremen, Germany. Steam trap. 2,074,690; Mar. 23.
Gerhardt, William F., Richmond, Va. Boiler. 2,074,900; Mar. 23.
Geria, Andrew. (See Geria, Mary., and A.)
Geria, Mary, and A. Geria, Croton Falls, N. Y. Heating device for limb extremities. 2,074,838; Mar. 23.
Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Door stop for automobile dors. 2,074,385; Mar. 23.
Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Radio antenna located in outer edge of running board. 2,074,386; Mar. 23.
Gibbs, Francis O., assignor to Southern Silk Mills, Inc., Kernersville, N. C. Shuttle truing machine. 2,074,582; Mar. 23.
Gibson, Jesse G., assignor of fifty-one per cent to Bovaird and Company, Bradford, Pa. Valve. 2,074,839; Mar. 23.
Gleseman, Earl R., Dayton, Ohio. Vent mechanism. 2,074,329; Mar. 23.
Gilkerson, John K., Glendale, Calif. Gardening tool or the like. 2,074,691; Mar. 23.
Gill, Arthur, Dunedin Otago, New Zealand. Circulating air. 2,074,387; Mar. 23.
Gill Glass & Fixture Company. (See Regester, Ramsay G., assignor.)
Gillson, Joseph L. (See Lenher, S., Gillson, and Mentzer.)
Glaser, William F. (See Waters, H., and Glaser.)
Gleason, George A. (See Brickman, A. E., and Gleason.)
Glidden Company, The. (See O'Brien, W. J., and Brett, assignors.)
Globe Egg Stabilizing Company. (See Funk, Frederick G., assignor.)
Goepfrich, Rudolph A., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,074,725; Mar. 23.
Goldstein, Julius, Brooklyn, N. Y. Steam purifying device. 2,074,505; Mar. 23.
Gölz, Emil, Stuttgart-Degerloch, Germany. Hydraulic power transmitting mechanism. 2,074,583; Mar. 23.
Goodenough, Ernest F. (See Dowsett, H. M., and Goodenough.)
Gordon, John F., assignor to General Motors Corporation, Detroit, Mich. Gasket. 2,074,388; Mar. 23.
Gosline, James E., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Apparatus for producing wells. 2,074,608; Mar. 23.
Gotthardt, Henry R., and E. C. Logan, assignors to Logan Co. Inc., Louisville, Ky. Grease retaining device. 2,074,901; Mar. 23.
Graef, John M. (See Fourness, C. A., and Graef.)
Graham, Matthew P. (See Hufferd, G. H., and Graham.)
Grant, Arthur G., New Liskeard, Ontario, Canada. Snowmobile. 2,074,389; Mar. 23.
Granville, Bernard, Brooklyn, N. Y. Deviation finder. 2,074,692; Mar. 23.
Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resin. 2,074,786; Mar. 23.
Graves, Herbert C., Jr., East Bradford Township, Chester County, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Electroresponsive device. 2,074,584; Mar. 23.
Graves, Walker C., Jr., San Francisco, Calif. Automatic vehicle controlling apparatus. 2,074,902; Mar. 23.
Great Western Electro-Chemical Company. (See Bender, Harry, assignor.)
Green, Elisha C., Preston, Calif. Apiarist's glove and garment. 2,074,390; Mar. 23.
Greentree, Charles D., Schenectady, N. Y., assignor to General Electric Company. Bobbin tester. 2,074,840; Mar. 23.
Griffin, Ira L., Charlotte, N. C. Treating yarn. 2,074,745; Mar. 23.
Grisdale, George W., assignor to Republic Flow Meters Company, Chicago, Ill. Drive mechanism. 2,074,585; Mar. 23.
Grover, Victor T., Irvington, N. J., assignor to American Can Company, New York, N. Y. Sheet handling and feeding apparatus. 2,074,330; Mar. 23.
Guest, Herbert R., Habana, Cuba. Fuel tank gauge. 2,074,959; Mar. 23.
Gutzeit, Carlos L., Ithaca, N. Y., assignor to Standard Oil Development Company. Low boiling hydrocarbon oils. 2,074,467; Mar. 23.
Hagedorn, Max, and A. Ossenbrunner, Dessau-in-Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of foils and artificial products. 2,074,647; Mar. 23.
Haider, Michael R., Los Angeles, Calif. Sole and heel for footwear. 2,074,331; Mar. 23.
Halmann, Emmerich, Atzgersdorf, Vienna, Austria, assignor of one-half to "Impa" Import-und Versand-Gesellschaft m. b. H., Stuttgart, Germany. Fire extinguisher. 2,074,648; Mar. 23.
Halmowitz, Albert, New York, N. Y. Tag ring for hangers. 2,074,841; Mar. 23.
Hain, Malcolm, Montclair, N. J. Manufacture of yarn. 2,074,468; Mar. 23.
Hamilton Manufacturing Company. (See Demcak, Andrew, assignor.)
Hammer, Samuel, assignor to United Metal Box Co., Inc., Brooklyn, N. Y. Venetian blind head bar. 2,074,842; Mar. 23.
Hampton, Norman C., Portland, Oreg. Tie lock. 2,074,903; Mar. 23.
Hansen, Donald W., Decatur, Ill., assignor, by mesne assignments, to Prolamine Products Incorporated, Dover, Del. Transparent flexible film. 2,074,332; Mar. 23.
Hansgirg, Fritz, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Production of metals by smelting compounds thereof. 2,074,726; Mar. 23.
Hanson-VanWinkle-Munning Company. (See Todd, Guerin, assignor.)
Harbstreit, Charles B. (See Tolen, E. V., anid Harbstreit.)
Harder, Oscar E. (See Bolton, J. W., and Harder.)
Harmon, Kenneth A., Longmeadow, and T. G. Louis, assignors to Wico Electric Company, West Springfield, Mass. Magneto. 2,074,545; Mar. 23.
Hartman, Charles M., assignor of forty percent to E. M. Jenkins, Grand Rapids, Mich. Refrigerator tray. 2,074,546; Mar. 23.
Hartman, George H., and J. S. Burden, Cleveland, Ohio. Method and machine for forming pretzels. 2,074,904; Mar. 23.
Hausler, August H., Chicago, Ill. Clamp for sheet piling. 2,074,905; Mar. 23.
Hausler, August H., Chicago, Ill. Guide for use in driving sheet piling. 2,074,906; Mar. 23.
Hawley, Jesse B. (See Sloan, Edward C., assignor.)
Haynes, Glenn J., Quantico, Va. Collision absorber. 2,074,469; Mar. 23.
Hedlger, Arthur, Zurich, Switzerland. Necktie. 2,074,908; Mar. 23.
Heigis, Henry E., West Orange, assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Automatically operable fire protection system and apparatus. 2,074,960; Mar. 23.
Heil Co., The. (See Thwaits, Frederick G., assignor.)
Heinemann, Rudolf, Berlin, Germany. Direction indicator. 2,074,907; Mar. 23.
Heinrich, Walter A., and C. A. Fox, St. Louis, and E. J. Deright, Kansas City, assignors to James R. Kearney Corporation, St. Louis, Mo. Safety staging. 2,074,586; Mar. 23.
Heise, George W., North Olmsted, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Closure for batteries. 2,074,506; Mar. 23.

Heisey, A. H. & Company. (See Stewart, Charles T., assignor.)
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,074,333; Mar. 23.
Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for conditioning materials. 2,074,391; Mar. 23.
Henriksen, Alfred. (See Lincoln, B. H., and Henriksen.)
Henry, John B., Aspinwall, Pa. Blast furnace tuyère. 2,074,507; Mar. 23.
Herneus, W. C., Gesellschaft mit beschrankter Haftung. (See Jedele, Alfred, assignor.)
Herbst, John A., Rivervale, N. J., assignor to The Teleregister Corporation, New York, N. Y. Numerical comparator. 2,074,392; Mar. 23.
Herbst, Paul, Bremen, Germany. Piston pump for gases and liquids. 2,074,787; Mar. 23.
Hercules Powder Company. (See Kaiser, Harry E., assignor.)
Herkimer, Herbert, assignor to Servicemen Supply Company, New York, N. Y. Herkimer wheel puller. 2,074,649; Mar. 23.
Herriger, Felix. (See Prinz, D., and Herriger.)
Herrmann, Richard, Stuttgart, Germany. Screw cutting machine. 2,074,470; Mar. 23.
Herzig, Frances R. (See Herzig, Maximilian L., and F. R.)
Herzig, Maximilian L., and F. R. Herzig, Puyallup, Wash. Activation device for the heliopyretic treatment of matter. 2,074,909; Mar. 23.
Hessenbruch, Hermann M., Wynnewood, assignor to Philadelphia Lawn Mower and Mfg. Co., Philadelphia, Pa. Trimming machine. 2,074,547; Mar. 23.
Hetzer, Russell A., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Dry cleaning apparatus. 2,074,508; Mar. 23.
Hewitt, Ellis E. (See Farmer, C. C., and Hewitt.)
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve. 2,074,746; Mar. 23.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake equipment. 2,074,747; Mar. 23.
Hlering, William C., Millburn Township, Essex County, assignor to The J. E. Mergott Company, Newark, N. J. Bag frame. 2,074,843; Mar. 23.
Hlill, Charles H., assignor to The Master Brake and Appliance Company, Inc., Trousdale, Kans. Metalworking machine. 2,074,844; Mar. 23.
Hilton, Arthur W., Marion, N. C. Spring controlled feed pawl. 2,074,910; Mar. 23.
Hlxon, Alfred J., Braintree, Mass. Connecter for electric cables and the like. 2,074,393; Mar. 23.
Hobart Manufacturing Company, The. (See Stark, Rawson E., assignor.)
Hoe, R., & Co. (See Eckhard, William K., assignor.)
Hoelscher, William G., Norwood, assignor to The American Tool Works Company, Cincinnati, Ohio. Machine tool feeding mechanism. 2,074,961; Mar. 23.
Hoffer, George W., assignor to Universal Form Clamp Company, Chicago, Ill. Form tie. 2,074,394; Mar. 23.
Hofferbert, Orrin, Beaver Dam, Wis., assignor to Malleable Iron Range Company. Electric cooker. 2,074,985; Mar. 23.
Hojnowski, Jakob, Nekoosa, Wis. Aeroplane. 2,074,395; Mar. 23.
Holdaway, William S., Los Angeles, Calif. Centrifugal pump. 2,074,650; Mar. 23.
Holley, George M., and C. S. Kegerreis, assignors to Geo. M. and Earl Holley Engineering, Detroit, Mich. Thermostatic control of automobile engine fuel. 2,074,471; Mar. 23.
Holley, Geo. M. and Earl, Engineering. (See Holley, G. M., and Kegerreis, assignors.)
Holloman, Leonidas C., and L. C. Stukenborg, said Holloman assignor to Delinting Cotton Seed Company, Inc., Memphis, Tenn. Delinting cottonseed or the like. 2,074,788; Mar. 23.
Hönel, Herbert, Vienna, Austria, assignor to Beck, Koller & Company, Inc., Detroit, Mich. Manufacture of artificial resins. 2,074,509; Mar. 23.
Hookless Fastener Company. (See Corner, George H. C., assignor.)
Hookless Fastener Company. (See Quisling, Sverre, assignor.)
Hooper, James E., Ruxton, assignor to William E. Hooper & Sons Company, Baltimore, Md. Wick. 2,074,693; Mar. 23.
Hooper, Leslie R., Johannesburg, Transvaal, Union of South Africa. Suspension means for road vehicles. 2,074,609; Mar. 23.
Hooper, William E., & Sons Company. (See Hooper, James E., assignor.)
Hopkins, Durward K., assignor to Keystone Steel & Wire Company, Peoria, Ill. Method and apparatus for transforming bendable material into predetermined and finished shapes. 2,074,789; Mar. 23.
Hornemann, Albert, assignor to Printator Limited, London, England. Lidded box or receptacle. 2,074,790; Mar. 23.
Horton Manufacturing Company, The. (See Lagerblade, Herbert C., assignor.)
Howe, Wilfred H., Winchester, Mass., assignor, by mesne assignments, to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Impedance variation amplifier. 2,074,396; Mar. 23.
Hudson, Edwin B. (See Tytus, J. B., and Hudson.)
Hufferd, George H., and M. P. Graham, Detroit, Mich., assignors to Thompson Products Incorporated, Cleveland, Ohio. Joint. 2,074,748; Mar. 23.
Huffman, Donald M., and W. F. Friend, Keyser, W. Va., assignors of one-third to J. H. Massie, Jr., Edinburg, Va. Brake. 2,074,651; Mar. 23.
Hughes, Charles H., Glen Ridge, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Mechanical generator for water gas machines. 2,074,472; Mar. 23.
Hughes, John T., Chicago, Ill. Adjustable steering wheel. 2,074,334; Mar. 23.
Huguley, William C., Oak Tree, assignor of one-fourth to E. F. Baerenrodt, Essex Falls, N. J. Machine for making match books. 2,074,694; Mar. 23.
Hull, Daniel R., Watertown, Conn. Copper-silicon-aluminum alloy. 2,075,003; Mar. 23.
Hull, Daniel R., Watertown, assignor to The American Brass Company, Waterbury, Conn. Copper-silicon-aluminum alloys. 2,075,002; Mar. 23.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,074,911; Mar. 23.
Humphrey, Dee E., assignor to Welded Tank and Steel Company, Dallas, Tex. Derrick. 2,074,548; Mar. 23.
Humphrey, Dee E., assignor to Welded Tank and Steel Company, Dallas, Tex. Hanger for walking beams. 2,074,549; Mar. 23.
Humphrey, Dee E., assignor to Welded Tank and Steel Company, Inc., Dallas, Tex. Pumping jack. 2,074,550; Mar. 23.
Hunt, George H., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,074,727; Mar. 23.
Hunt, Scott F., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,074,728; Mar. 23.
Hunt, Scott F., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,074,729; Mar. 23.
Hutto, Charles H., Lubbock, Tex. Well. 2,074,912; Mar. 23.
Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)
Hydraulic Brake Company. (See Oliver, Wallace F., assignor.)
I. G. Farbenindustric Aktiengesellschaft. (See Baumann, Paul, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Roth, P., Elvert, and Steinberger, assignors.)
I-T-E Circuit Breaker Company. (See Graves, Herbert C., Jr., assignor.)
Ide, Sherwood C., assignor to I. M. Jones, Thiensville, Wis. Vending machine. 2,074,845; Mar. 23.
Illium, Herbert C., Wilmette, Ill. Advertising display. 2,074,587; Mar. 23.
"Impa" Import-und Versand-Gesellschaft m. b. H. (See Halmann, Emmerich, assignor of one-half.)
Imperial Chemical Industries Limited. (See Clark, William J., assignor.)
Indicating Fuse Manufacturing Corporation. (See Kauffman, Leroy A., assignor.)
Individual Drinking Cup Company. (See Carew, Herman, assignor.)
Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
Ingersoll-Rand Company. (See MacLean, John A., assignor.)
Ingersoll-Rand Company. (See Murphy, Patrick J., assignor.)
International Cellucotton Products Company. (See Fourness, C. A., and Graef, assignors.)
International Cellucotton Products Company. (See Thompson, Oscar T., assignor.)
International Harvester Company. (See Allan, J. R., and Amos, assignors.)
International Harvester Company. (See Baker, D. B., Rogers, and Panzegrau, assignors.)
International Harvester Company. (See Bechman, William O., assignor.)
International Harvester Company. (See Borgerd, William F., assignor.)
International Harvester Company. (See Engstrom, Gustaf W., assignor.)
International Harvester Company. (See Ramelow, Axel E., assignor.)
International Harvester Company. (See Rogers, Clifford R., assignor.)
International Standard Electric Corporation. (See Peterman, William C., assignor.)
Israel, Dorman D., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Base and socket for radio tubes. 2,074,397; Mar. 23.
Jacobs, Rex C., assignor to Shelving and Parts Manufacturing Corporation, Detroit, Mich. Door check. 2,074,398; Mar. 23.
Jayme, Georg, assignor to Canadian International Paper Company, Hawkesbury, Ontario, Canada. Removing coloring matter from wood pulp. 2,074,473; Mar. 23.
Ject-In Limited. (See Kauzal, Gabriel P., assignor.)

Jedele, Alfred, assignor to W. C. Heraeus Gesellschaft mit beschrankter Haftung, Hanau-on-the-Main, Germany. Tungsten base alloy for points of gold nibs. 2,074,474; Mar. 23.

Jenkins, E. M. (See Hartman, Charles M., assignor.)

Jermáf, Frantisek, Opava, Czechoslovakia. Hydrostatic weir shutter. 2,074,610; Mar. 23.

Jersey, Neil E., assignor, by mesne assignments, to W. A. Riddell Corporation, Bucyrus, Ohio. Grader. 2,074,962; Mar. 23.

Jesser, Albert E., Vandergrift, assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa. Spring clip. 2,074,475; Mar. 23.

Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Hoist. 2,074,695; Mar. 23.

Johns-Manville Corporation. (See Voigt, Paul A., assignor.)

Johnson, Clarence, Cleveland, Ohio, assignor to Bailey Meter Company. Control system. 2,074,696; Mar. 23.

Johnson, Tomlinson F., Atlanta, Ga. Drop-out fuse. 2,074,913; Mar. 23.

Jones, Carl E., Douglas, Ariz. Aeroplane control mechanism. 2,074,914. Mar. 23.

Jones, Ira Milton. (See Ide, Sherwood C., assignor.)

Jones, James R., assignor to Art Metal Construction Company, Jamestown, N. Y. Shelving or bin structure. 2,074,915; Mar. 23.

Judelshon, Oscar I., Park Ridge, N. J. Cutting machine. 2,074,846; Mar. 23.

Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Junkers, Hugo, assignor.)

Junkers, Hugo, assignor, by mesne assignments, to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Centrifugal friction-clutching device. 2,074,510; Mar. 23.

Juno Corporation Limited. (See Duffield, William A., assignor.)

Justrite Manufacturing Company. (See Brown, Le Roy O., assignor.)

Kaiser, Harry E., Temple City, Calif., assignor to Hercules Powder Company, Wilmington, Del. Continuous production of abietic acid esters. 2,074,963; Mar. 23.

Kälber, Albert, Pforzheim, Germany. Device for firing flashlight cartridges. 2,074,652; Mar. 23.

Karlsson-Ygger, Albert, New York, N. Y. Container. 2,074,824; Mar. 23.

Karr, Charles D., Holland, Mich. Bedspring and cover retaining clip therefor. 2,074,399; Mar. 23.

Kauffman, Leroy A., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C. Dual fuse with indicator. 2,074,400; Mar. 23.

Kauffman, Leroy A., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C. Indicating fuse plug. 2,074,916; Mar. 23.

Kauffman, Leroy A., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C. Electric fuse. 2,074,917; Mar. 23.

Kauffman, Leroy A., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C. Fuse plug. 2,074,918; Mar. 23.

Kauffman, Leroy A., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C. Renewable fuse. 2,074,919; Mar. 23.

Kauffman, Leroy A., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C. Indicator for fuses. 2,074,920; Mar. 23.

Kauffman, Leroy A., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C. Indicator attachment for fuses. 2,074,921; Mar. 23.

Kaufman, Abraham, Bronx, N. Y. Collapsible chair. 2,074,998; Mar. 23.

Kaufman, Alexander, Long Island City, N. Y. Circular knitting machine. 2,074,999; Mar. 23.

Kauzal, Gabriel P., assignor to Ject-In Limited, Sydney, New South Wales, Australia. Drench syringe for veterinary use. 2,074,401; Mar. 23.

Kearney, James R., Corporation. (See Heinrich, W. A., Fox, and Deright, assignors.)

Kegerreis, Claude S. (See Holley, G. M., and Kegerreis.)

Kell, Francis, & Son, Inc. (See Brantingson, Sigurd, assignor.)

Kelley, Robert L., Sr., Chicago, Ill., assignor, by mesne assignments, to Vulcan Proofing Company, Inc. Method and apparatus for producing electrotype plates and shells. 2,074,335; Mar. 23.

Kerr, Henry H., Jr., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,074,730; Mar. 23.

Kessel, Michael D., San Francisco, Calif. Rule cutting machine. 2,074,922; Mar. 23.

Keystone Steel & Wire Company. (See Hopkins, Durward K., assignor.)

Kidde, Walter, & Company. (See Helgis, Henry E., assignor.)

Killen, James R., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigeration. 2,074,402; Mar. 23.

Kimpton, John N., Newport, Monmouthshire, Wales. Footwear. 2,074,697; Mar. 23.

King, Frederick C., Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic pellicle and preparing same. 2,074,336; Mar. 23.

Kingsbury, George P., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting machine. 2,074,511; Mar. 23.

Kinslow, Henry M., Santa Ana, assignor to San Diego Fruit and Produce Company, San Diego, Calif. Stapling machine. 2,074,611; Mar. 23.

Kipfer, Paul F., Boitsfort, Brussels, Belgium. Driving mechanism for control valves of internal combustion engines. 2,074,588; Mar. 23.

Kirby, Charles H., Flint, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Carburetor. 2,074,749; Mar. 23.

Kircher, Albert, Company, The. (See Otis, Arthur F., assignor.)

Kitchel, George B., Houston, and E. J. Roach, Beaumont, Tex., assignors to Beaumont Iron Works Company, Beaumont, Tex. Casing head. 2,074,923; Mar. 23.

Klein, Frederick M. (See Knight, M. A., and Klein.)

Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Jug and drinking receptacle support. 2,074,589; Mar. 23.

Knapp-Monarch Company. (See Knapp, Andrew S., assignor.)

Knapp-Monarch Company. (See Smith, Howard, assignor.)

Knight, Maurice A., Akron, Ohio, and F. M. Klein, New York, N. Y. Cooling and absorption tower. 2,074,551; Mar. 23.

Knutson, Carl L., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Radio and like socket. 2,074,791; Mar. 23.

Koch Butchers Supply Company. (See Starr, R. H., and Masters, assignors.)

Kohl, Maurice P., Cleveland, Ohio. Trousers display device. 2,074,924; Mar. 23.

Kolb, Hans F., Chicago, Ill. Automobile drive system. 2,074,476; Mar. 23.

Kolb, Josef, Brooklyn, N. Y. Dirigible search light. 2,074,404; Mar. 23.

Kondolf, Henry, assignor to Southern Kraft Corporation, New York, N. Y. Carton and blank for forming the same. 2,074,477; Mar. 23.

Kowalski, Thomas. (See Zlonek, P., and Kowalski.)

Krafelt Corporation of America. (See Larson, L. L., and Lindsay, assignors.)

Krag, Grace M., Chicago, Ill. Nutcracker. 2,074,337; Mar. 23.

Krause, Andrew G., assignor to Antonio Cotugno, Amsterdam, N. Y. Cigarette holder and dispenser. 2,074,925; Mar. 23.

Kraut, Max, San Francisco, assignor to Pan-American Engineering Corporation, Ltd., Berkeley, Calif. Flotation apparatus. 2,074,403; Mar. 23.

Kremens, Abraham I. (See Raizisz, G. W., and Kremens.)

Kruse, Willy, Hamburg, Germany, assignor to Autosan Corporation of America, New York, N. Y. Repairing punctures in pneumatic tires. 2,074,926; Mar. 23.

Lagerblade, Herbert C., Bristol, Conn., assignor to The Horton Manufacturing Company. Making welded sheet metal golf shafts and welding shim therefor. 2,074,986; Mar. 23.

Lagerblade, Herbert C., Bristol, Conn., assignor to The Horton Manufacturing Company. Welded sheet metal golf shaft and making the same. 2,074,987; Mar. 23.

Langdon, Jesse D., Los Angeles, Calif. Flush valve unit. 2,074,698; Mar. 23.

Lange, Emil, Berlin-Zehlendorf, Germany. Arc rupturing device for electric safety fuses. 2,074,612; Mar. 23.

Larsen, James, Plainville, Conn. Wheel chair. 2,074,653; Mar. 23.

Larson, David C. (See Dunn, E. L., and Larson.)

Larson, Louis L., and D. Lindsay, Jr., assignors to Krafelt Corporation, Wilmington, Del. Floor covering. 2,074,964; Mar. 23.

Lasity, Alexander, New York, N. Y. Hair curling device. 2,074,405; Mar. 23.

Laughlin, William C., Kew Gardens, N. Y., and A. B. Asch, Jersey City, N. J., assignors to Filtration Equipment Corporation, New York, N. Y. Filter bed cleaning device for sewage clarification tanks. 2,074,965; Mar. 23.

Laursen, Einar, Minneapolis, Minn. Clip. 2,074,613; Mar. 23.

Lawson, Robert H. (See Smith, W. L., Jr., and Lawson.)

Lederer, Maximilian, Split, Yugoslavia, assignor to Alexander Singer, Vienna, Austria. Production of wood wool. 2,074,590; Mar. 23.

Lee, Lael C., Los Angeles, Calif. Precooling refrigeration system. 2,074,614; Mar. 23.

Lemaigre, Louis E., Paris, France, assignor to General Electric Company. Hard alloy. 2,074,847; Mar. 23.

Lenher, Samuel, J. L. Gillson, and C. T. Mentzer, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Flotation process. 2,074,699; Mar. 23.

Levy, Frank M., assignor to Mueller Brass Co., Port Huron, Mich. Tinning and tinned articles. 2,074,848; Mar. 23.

Lewis, Arthur P., Fair Haven, Mass., assignor to Fire stone Cotton Mills, New Bedford, Mass. Lubricating twister ring. 2,074,654; Mar. 23.

Lewis Invisible Stitch Machine Company. (See Mann, Joseph, assignor.)

Lewis, Otto L. (See Cole, C. B., and Lewis.)

Lichterman, Benjamin et al. (See Coulton, William C., assignor.)

Limpert, Alexander S., assignor to Mechana Kold Corporation, Bay Shore, N. Y. Cooling unit for refrigeration purposes. 2,074,700; Mar. 23.

Lincoln, Bert H., and A. Henriksen, Ponca City, Okla., assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating oils. 2,074,338; Mar. 12.

Linder, Ernest G., Philadelphia, Pa., assignor to Radio Corporation of America. Short-wave detector. 2,074,478; Mar. 23.

Lindner, Walter, Pleissa, near Limbach, assignor to Firma Johannes Richter A.-G., Limbach, near Chemnita, Germany. Sewing machine for the manufacture of gloves. 2,074,655; Mar. 23.

Lindsay, David, Jr. (See Larson, L. L., and Lindsay.)

Lindsey, Joseph T., Rochester, N. Y. Sanding and polishing machine. 2,074,479; Mar. 23.

Little, Howard J., Fort Thomas, Ky., assignor, by mesne assignments, to The Andrews Steel Company. Apparatus for manufacturing surfacing units. 2,074,966; Mar. 23.

Lloyd, Elmer J. (See Beatty, C. C., and Lloyd.)

Logan Co. Inc. (See Gotthardt, H. R., and Logan, assignors.)

Logan, Edward C. (See Gotthardt, H. R., and Logan.)

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Voltage regulator. 2,074,552; Mar. 23.

Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train brake apparatus. 2,074,750; Mar. 23.

Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Braking system. 2,074,751; Mar. 23.

Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control equipment. 2,074,752; Mar. 23.

Logette, Abraham L., and E. H. Dainton, London, England. Apparatus for dispensing liquid fuels, lubricating oils and the like. 2,074,927; Mar. 23.

Lohmolder, Edward H., Salt Lake City, Utah. Ball check valve. 2,074,701; Mar. 23.

Lohn, Peter, New York, N. Y., and A. Cortella, Leonia, N. J. Method and apparatus for recording and reproducing sound. 2,074,406; Mar. 23.

Look, Robert C., Escondido, Calif. Hat and coat hanger for automobiles. 2,074,615; Mar. 23.

Louis, Terrence G. (See Harmon, K. A., and Louis.)

Lowe, Lester D. (See Lowe, Nolan D., assignor.)

Lowe, Nolan D., assignor of one-half to L. D. Lowe, Preston, Idaho. Fish screen. 2,074,407; Mar. 23.

Lowell, Percival D., Chevy Chase, Md., assignor to Radio Corporation of America. Direction finding system. 2,074,408; Mar. 23.

Lubri-Zol Development Corporation. (See Lincoln, B. H., and Henriksen, assignors.)

Lubrication Corporation, The. (See Dodge, Adiel Y., assignor.)

Lühl, Fritz, Herchen/Sieg, Germany. Wall or roof construction. 2,074,656; Mar. 23.

Lundstrom, Frank O. (See Whittaker, C. W., and Lundstrom.)

Lunkenheimer Company, The. (See Bolton, J. W., and Harder, assignors.)

Luther Ford & Company. (See Ford, Robert E., assignor.)

Lyne, Joe A., Houston, Tex., R. G. De La Mater, Parkersburg, W. Va., and J. M. Cooper, Houston, Tex., assignors to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Shaft counterbalance. 2,074,792; Mar. 23.

MacBride, Alfred W., Roselle Park, N. J., assignor to Max Pollack & Company, Inc., New York, N. Y. Sewing machine. 2,074,849; Mar. 23.

MacClatchie, John W., Los Angeles, Calif. Power unit. 2,074,702; Mar. 23.

MacDonald, John M., Portland, Me. Pail attachment. 2,074,657; Mar. 23.

MacLean, John A., Hampton, assignor to Ingersoll-Rand Company, Jersey City, N. J. Thermocompressor. 2,074,480; Mar. 23.

Macmullen, Edward A., and F. A. Macmullen, Jackson Heights, N. Y. Scalp cleansing device. 2,074,481; Mar. 23.

Macmullen, Frances A. (See Macmullen, Edward A., and F. A.)

Maintenance Research, Limited. (See Reynolds, Lloyd N., assignor.)

Malleable Iron Range Company. (See Hofferbert, Orrin, assignor.)

Malone, James G., Tottenville, Staten Island, N. Y. Stoker. 2,074,409; Mar. 23.

Malott, Clifton S., Jr., assignor to The American Laundry Machinery Company, Norwood, Ohio. Inflatable chest for pressing machines. 2,074,658; Mar. 23.

Mann, Joseph, Philadelphia, Pa., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blind stitch sewing machine. 2,074,793; Mar. 23.

Manning, Joseph A., Pawtucket, R. I. Doll head construction. 2,074,659; Mar. 23.

Mantelet & Boucher, (Société en nom Collectif). (See Mantelet, Jean, assignor.)

Mantelet, Jean, assignor to Mantelet & Boucher, (Société en nom Collectif), Bagnolet, France. Sleve. 2,074,794; Mar. 23.

Mantelet, Jean, assignor to Mantelet & Boucher, (Société en nom Collectif), Bagnolet, France. Mill for pepper, salt, sugar, coffee, and the like. 2,074,795; Mar. 23.

Maro Corporation. (See Ross, Aylmer O., assignor.)

Marshall Asbestos Corporation. (See Nelson, Nils W., assignor.)

Martel, Edgar J., Laconia, N. H. Automobile tire chain. 2,074,616; Mar. 23.

Martens, Ernest J., St. Louis, Mo. Venetian blind. 2,074,482; Mar. 23.

Martin, John E., assignor to Strutwear Knitting Company, Minneapolis, Minn. Apparatus for attaching elastic bands to garments. 2,074,929; Mar. 23.

Marx, Erwin, Brunswick, Germany. Current converting system. 2,074,930; Mar. 23.

Mason, Edward J., and H. W. Mason, Detroit, Mich. Veneering construction. 2,074,483; Mar. 23.

Mason, George C., Jr., assignor to Gem-Dandy Garter Co., Madison, N. C. Bandeau, brassière, or the like. 2,074,796; Mar. 23.

Mason, Henry W. (See Mason, Edward J. and H. W.)

Masoner, William J., Chicago, Ill. Supporting structure. 2,074,660; Mar. 23.

Massie, John H., Jr. (See Huffman, D. M., and Friend, assignors.)

Massolo, Luis J., Buenos Aires, Argentina. Pedal-operated automatic gear-change. 2,074,797; Mar. 23.

Master Brake and Appliance Company, The. (See Hill, Charles H., assignor.)

Masters, Clarence. (See Starr, R. H., and Masters.)

Matthews, Albert, Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing and ironing machine. 2,074,410; Mar. 23.

Maxwell, James C. G. (See Pickard, W. B., and Maxwell.)

May Hosiery Mills. (See Smith, W. L., Jr., assignor, and Lawson.)

McClain, John, Chicago, Ill. Gauge. 2,074,753; Mar. 23.

McCleery, Harold L., Downers Grove, and A. J. Cline, Chicago, Ill., said McCleery assignor to said Cline. Controller for printing presses or the like. 2,074,661; Mar. 23.

McCloud, Don B., Carbondale, Ill. Explosive cartridge and making the same. 2,074,553; Mar. 23.

McCloud, Edward H., Columbus, Ohio. Swinging door operator. 2,075,000; Mar. 23.

McCullough, Joseph J., and W. K. L. McCullough, Philadelphia, Pa. Game board net. 2,074,850; Mar. 23.

McCullough, William K. L. (See McCullough, Joseph J., and W. K. L.)

McDougall, Mary B., Pasadena, Calif. Adjustable bracket construction. 2,074,411; Mar. 23.

McElhaney, James R., and R. Stoker, Vandergrift, Pa., assignor to American Sheet and Tin Plate Company. Apparatus for coating sheet metal. 2,074,798; Mar. 23.

McKesson, Claude L., assignor to American Bitumuls Company, San Francisco, Calif. Bituminous emulsion and preparing the same. 2,074,731; Mar. 23.

McLay, Gavin S., assignor to Wellman Seaver Rolling Mill Company, Limited, London, England. Rotating hearth furnace. 2,074,662; Mar. 23.

McNeil, William M. (See Randel, W. S., Dailey, and McNeil.)

Mechana Kold Corporation. (See Limpert, Alexander S., assignor.)

Medley, C. R. (See Smith, Lucius N., assignor.)

Meehan, Edward S., Kansas City, Mo. Vehicle. 2,074,484; Mar. 23.

Mentzer, Charles T., Jr. (See Lenher, S., Gillson, and Mentzer.)

Mergenthaler Linotype Company. (See Kingsbury, George P., assignor.)

Mergott, J. E. Company, The. (See Hiering, William C., assignor.)

Merrill, Patterson D., assignor to M. B. Skinner Company, South Bend, Ind. Pressed metal clamp and producing same. 2,074,799; Mar. 23.

Messing, Joseph A. (See Frank, William H. and H. J. L. and Messing.)

Metcalfe, Earl F., assignor to The General Pharmacal Company, Cincinnati, Ohio. Dispensing container. 2,074,931; Mar. 23.

Miles, George W., Boston, Mass., assignor to Celanese Corporation of America. Preparation of cellulosic materials. 2,074,339; Mar. 23.

Miller, Charles W., assignor of one-fourth to S. B. Vinson, and one-fourth to S. Lancelot Vinson, Costa Mesa, Calif. Curtain hanger. 2,074,928; Mar. 23.

Miller, Ellis, assignor to Sharp & Dohme, Inc., Philadelphia, Pa. Hydroxyaryl-alkyl and aralkyl sulphides. 2,074,851; Mar. 23.

Mills, Bert E., Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill. Ball stop mechanism for pin game apparatus. 2,074,512; Mar. 23.

Mills, Bert E., Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill. Ball elevator latch for pin game apparatus. 2,074,513; Mar. 23.
Mills Novelty Company. (See Mills, Bert E., assignor.)
Miner, W. H., Inc. (See Dwyer, William M., assignor.)
Mining Engineering Company Limited, The. (See Nyborg, Tage G., assignor of one-half.)
Mislin, Karl J., Kansas City, Mo. Signal. 2,074,412; Mar. 23.
Mitchell, Allister S., assignor to National Automotive Fibres, Inc., Detroit, Mich. Stuffed pleated upholstery. 2,074,663; Mar. 23.
Mitchell, Lawrence J., Oklahoma City, Okla. Towel cabinet. 2,074,664; Mar. 23.
Mittendorf, William R., and R. H. Money, assignors to The Crosley Radio Corporation, Cincinnati, Ohio. Refrigerator compressor muffler. 2,074,932; Mar. 23.
Model Brassiere Corporation. (See Baatz, Margaret C., assignor.)
Money, Roland H. (See Mittendorf, W. R., and Money.)
Monsanto Chemical Company. (See Sibley, Robert L., assignor.)
Montgomery, Donald H., West Hartford, and R. C. Nelson, Kensington, assignors, by mesne assignments, to The New Britain Machine Company, New Britain, Conn. Chucking machine. 2,074,933; Mar. 23.
Morehouse, Eugene M., Tujunga, Calif., assignor to Clyde A. Roeder, Omaha, Nebr. Hydraulic transmission for vehicle brakes. 2,074,617; Mar. 23.
Moreno, Gabriel G., Los Angeles, Calif., assignor to C M C Corporation, New York, N. Y. Color cinematography. 2,074,413; Mar. 23.
Mountjoy, Garrard, assignor to The Sparks-Withington Company, Jackson, Mich. Multiband radio receiver. 2,074,800; Mar. 23.
Mueller Brass Co. (See Levy, Frank M., assignor.)
Mueller Electric Company. (See Brown, William H., assignor.)
Müller, Eugen L., Berlin, Germany. Control of internal combustion engines. 2,074,514; Mar. 23.
Murphy, Harold F., Detroit, Mich. Recording device for telephones. 2,074,754; Mar. 23.
Murphy, Patrick J., Chicago, Ill., assignor to Ingersoll-Rand Company, Jersey City, N. J. Beverage container. 2,074,414; Mar. 23.
Myron, William P., San Francisco, Calif. Liquid dispenser. 2,074,554; Mar. 23.
National Aniline & Chemical Company. (See Flett, Lawrence H., assignor.)
National Aniline & Chemical Company. (See Fleysher, M. H., and Ogilvie, assignors.)
National Automotive Fibres, Inc. (See Mitchell, Allister S., assignor.)
National Electric Heating Co. (See Carleton, Robert A., assignor.)
National Equipment Corporation. (See Poulter, John W., assignor.)
National Gypsum Company. (See Venzie, Frederick M., assignor.)
Nelson, Nils W., assignor to Marshall Asbestos Corporation, Troy, N. Y. Manufacture of brake lining. 2,074,732; Mar. 23.
Nelson, Robert C. (See Montgomery, D. H., and Nelson.)
Nelson, Roy F., Nederland, Tex., assignor to The Texas Company, New York, N. Y. Textile fiber spraying oil. 2,074,555; Mar. 23.
Nelson, Victor E., Pontiac, Mich. Casing for universal joints. 2,074,703; Mar. 23.
Nelson, Walter H., Nichols, Conn., assignor to General Electric Company. Combined volume and bass tone compensation control device. 2,074,852; Mar. 23.
New Britain Machine Company, The. (See Montgomery, D. H., and Nelson, assignors.)
New Haven Clock Company, The. (See Whitehead, Richard H., assignor.)
Nichols, Charles A. (See Collins, E. W., Poole, and Nichols.)
Nichols, George B., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tube splicing method. 2,074,485; Mar. 23.
Niles, George H., et al. (See Brannan, Eldred B., assignor.)
Noble, Warren, Michigan City, Ind., assignor to Sullivan Machinery Company. Heat exchange and air washing device. 2,074,801; Mar. 23.
Noble, Warren, Michigan City, Ind., assignor to Sullivan Machinery Company. Heat exchange device. 2,074,802; Mar. 23.
Noble, Warren, Michigan City, Ind., assignor to Sullivan Machinery Company. Air compressor. 2,074,803; Mar. 23.
Noble, Warren, Michigan City, Ind., assignor to Sullivan Machinery Company. Heat exchange device. 2,074,967; Mar. 23.
Nyborg, Tage G., assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Belt conveyer. 2,074,804; Mar. 23.
Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Desk telephone. 2,074,415; Mar. 23.
O'Brien, William J., and R. C. Brett, assignors to The Glidden Company, Cleveland, Ohio. Apparatus for solvent extraction. 2,074,988; Mar. 23.
Ogden, Harold S., Erie, Pa., assignor to General Electric Company. Control system. 2,074,853; Mar. 23.
Ogilvie, James. (See Fleysher, M. H., and Ogilvie.)
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Lightning arrester. 2,074,755; Mar. 23.
Okopa Carbon Paper Eliminator Limited. (See Decker, Heinrich, assignor.)
Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Duplex fluid braking system. 2,074,416; Mar. 23.
Olsen, Thorsten Y., Philadelphia, Pa. Vibrometer. 2,074,417; Mar. 23.
Opolo, Charles, Culver City, Calif. Spacing balance wheel for disk harrows and disk plows. 2,074,418; Mar. 23.
Opolo, Charles, Culver City, Calif. Planter machine hitch to tractors. 2,074,419; Mar. 23.
Orban, John, East Orange, N. J. Convertible water heating system. 2,074,089; Mar. 23.
Orr, Howard S., Gary, Ind., assignor to American Sheet and Tin Plate Company. Reel. 2,074,968; Mar. 23.
Osborne, Glenn E., Maplewood, N. J. Color card. 2,074,704; Mar. 23.
Ossenbrunner, Armin. (See Hagedorn, M., and Ossenbrunner.)
Otis, Arthur F., Glen Ellyn, assignor, by mesne assignments, to The Albert Kircher Company, Chicago, Ill. Display device. 2,074,420; Mar. 23.
Otis Elevator Company. (See Dunn, E. L., and Larson, assignors.)
Otis Elevator Company. (See Waters, H., and Glaser, assignors.)
Ott, John E., Lisle Township, DuPage County, assignor to Acme Steel Company, Chicago, Ill. Folding box. 2,074,934; Mar. 23.
Owen, Eric W. B. (See Twiss, D. F., and Owen.)
Owens, Orville R., assignor to Wells-Gardner & Company, Chicago, Ill. Bent plywood. 2,074,854; Mar. 23.
Paasche, Jens A., Wilmette, assignor to The Strathmore Company, Aurora, Ill. Impression receiving device. 2,074,855; Mar. 23.
Palmer, Samuel H., Portland, Oreg. Woven wire screen. 2,074,665; Mar. 23.
Pan-American Engineering Corporation. (See Kraut, Max, assignor.)
Panzegrau, Norman O. (See Baker, D. B., Rogers, and Panzegrau.)
Parke, Davis & Company. (See Swingle, W. W., and Pfiffner, assignors.)
Parkersburg Rig & Reel Company, The. (See Lyne, J. A., De La Mater, and Cooper, assignors.)
Patalano, Frank, Providence, R. I. Cleaning nozzle. 2,074,666; Mar. 23.
Patent and Licensing Corporation, The. (See Wettlaufer, Jules L., assignor.)
Paterson, Earle W. G., Lindsay, Ontario, assignor of one-half to R. W. Davis and one-half to G. W. Cable, Toronto, Ontario, Canada. Brake shoe head. 2,074,667; Mar. 23.
Paterson, Peter L., London, England. Catamenial appliance. 2,074,936; Mar. 23.
Patterson, Charley T., Springfield, Mo. Spraying device. 2,074,421; Mar. 23.
Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated. Support for bicycles. 2,074,422; Mar. 23.
Peet, Gerald D. (See Wallace, C. F., and Peet.)
Pelton, George E., Aurora, Ill. Supplying ink to ink transfer members. 2,074,969; Mar. 23.
Pelton, George E., Alexandria, Va. Supplying ink to ink transfer members. 2,074,970; Mar. 23.
Pelton, George E., Middleburg, Va. Ink conveyer ribbon. 2,074,971; Mar. 23.
Peterman, William C., Rutherford, N. J., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Selecting system. 2,074,423; Mar. 23.
Peters, Clifford M., El Dorado, Ark. Multiple tube pump. 2,074,486; Mar. 23.
Petersen, Carl C., Wayne, Nebr. Piston ring ridge remover. 2,074,424; Mar. 23.
Pfiffner, Joseph J. (See Swingle, W. W., and Pfiffner.)
Philadelphia and Reading Coal and Iron Company, The. (See Reid, John G., Jr., assignor.)
Philadelphia Lawn Mower and Mfg. Co. (See Hessenbruch, Hermann M., assignor.)
Philadelphia Storage Battery Company. (See Earnshaw, David P., assignor.)
Phillips Petroleum Company. (See Drennan, Harry E., assignor.)
Pickard, Wilfred B., Watertown, and J. C. G. Maxwell, Waterbury, assignors to The American Brass Company, Waterbury, Conn. Connection for flexible hose. 2,074,425; Mar. 23.
Pierey, Carl A., Ballston Lake, and E. L. Crandall, Scotia, N. Y., assignors to General Electric Company. Lead extrusion apparatus. 2,074,856; Mar. 23.
Pilz, Josef, Pottendorf, Lower Austria. Drawing mechanism of spinning machines. 2,074,556; Mar. 23.
Piron, Emil H., Highland Park, Mich, assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y. Vehicle springing system. 2,074,340; Mar. 23.

Piron, Emil H., Detroit, Mich., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y. Wheel. 2,074,341; Mar. 23.
Pirsch, Peter, assignor to Peter Pirsch and Sons Co., Kenosha, Wis. Fire apparatus. 2,074,557; Mar. 23.
Pirsch, Peter, assignor to Peter Pirsch and Sons Co., Kenosha, Wis. Tillerman's seat for ladder truck trailers. 2,074,558; Mar. 23.
Pirsch, Peter, and Sons Co. (See Pirsch, Peter, assignor.)
Pittsburgh Steel Drum Company. (See Jesser, Albert E., assignor.)
Platt, Haviland H., New York, N. Y., assignor to Frederick W. Wilkening, Philadelphia, Pa. Aircraft. 2,074,342; Mar. 23.
Platt, Haviland H., New York, N. Y., assignor to Frederick W. Wilkening, Philadelphia, Pa. Aircraft. 2,074,805; Mar. 23.
Polak, Josef. (See Frommer, L., and Polak.)
Pollack, Max & Company. (See MacBride, Alfred W., assignor.)
Poole, Lora E. (See Collins, E. W., Poole, and Nichols.)
Poole, Lora E., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Boring machine. 2,074,426; Mar. 23.
Poole, Lora E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Method and device for forming paper. 2,074,705; Mar. 23.
Poole, Winnie et al. (See Alley, Thomas R., assignor.)
Pór, Aladár, assignor to "Berzelius" Metallhutten-Gesellschaft mit beschrankter Haftung, Duisburg-Wanheim, Germany. Extraction of cadmium. 2,074,806; Mar. 23.
Porter, Donald C., San Diego, Calif. Screen shaking mechanism. 2,074,733; Mar. 23.
Porter, Winfield P., Greene, Maine. Valve and valve gear for internal combustion engines. 2,074,487; Mar. 23.
Potthoff, Kurt T., Brooklyn, N. Y., assignor to U. S. Galvanizing & Plating Equipment Corporation. Apparatus for coating pipes. 2,074,935; Mar. 23.
Poulter, John W., assignor to National Equipment Corporation, Milwaukee, Wis. Fluid placing and pavement raising apparatus. 2,074,756; Mar. 23.
Prazak, Emil, Elizabeth, N. J. Sewing machine. 2,074,488; Mar. 23.
Presley, James O., and J. A. Presley, Wichita Falls, Tex. Derrick. 2,074,427; Mar. 23.
Presley, John A. (See Presley, James O., and J. A.)
Printator Limited. (See Hornemann, Albert, assignor.)
Prinz, Dietrich and F. Herriger, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmitter. 2,074,857; Mar. 23.
Pritchard, Clarence H. (See Feaster, John H., assignor.)
Prolamine Products Incorporated. (See Hansen, Donald W., assignor.)
Public in The United States of America, Dedicated to the free use of the. (See Whittaker, C. W., and Lundstrom, assignors.)
Putnam, James R., assignor to Waterbury Clock Company, Waterbury, Conn. Watch. 2,074,734; Mar. 23.
Puttcamp, John La Jolla, Calif. Applicator and massaging device. 2,074,735; Mar. 23.
Pyatt, Valdis M., Great Falls, Mont. Separator. 2,074,515; Mar. 23.
Quast, Otto K., Spokane Wash. Atmospheric pressure dequalizer or mechanical balloon for use in giving buoyancy to air vehicles. 2,074,343; Mar. 23.
Quave, George M., West Asheville, N. C. Organ tremolo. 2,074,428; Mar. 23.
Quisling, Sverre, Madison, Wis., assignor to Hookless Fastener Company, Meadville, Pa. Flexible fastener. 2,074,369; Mar. 23.
Rabaut, Louis C., Grosse Pointe Park, Mich. Box, container, and the like. 2,074,668; Mar. 23.
Radio Corporation of America. (See Dowsett, H. M., and Goodenough, assignors.)
Radio Corporation of America. (See Farnham, Paul O., assignor.)
Radio Corporation of America. (See Linder, Ernest G., assignor.)
Radio Corporation of America. (See Lowell, Percival D., assignor.)
Radio Corporation of America. (See Salzberg, Bernard, assignor.)
Radio Corporation of America. (See Tolson, William A., assignor.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Corporation of America. (See Vance, Arthur W., assignor.)
Radio Corporation of America. (See Wolff, Irving, assignor.)
Radtke, Bruno, assignor to Exhibit Supply Company, Chicago, Ill. Temperature responsive switch. 2,074,559; Mar. 23.
Radtke, Bruno, assignor to Exhibit Supply Company, Chicago, Ill. Game apparatus. 2,074,560; Mar. 23.
Raffo, Alfred C., Grantwood, N. J. Treating photographs and the resulting article. 2,074,858; Mar. 23.
Raiziss, George W., and A. I. Kremens, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill. 3(N-Sodium formaldehyde sulphoxylate) amino-4-hydroxy-phenyl-arsonic-acid. 2,074,737; Mar. 23.
Ramclow, Axel E., Chicago, Ill., assignor to International Harvester Company. Valve assembly. 2,074,706; Mar. 23.
Randel, Wilbur S., Cheshire, Mass., M. C. Dailey, Maywood, Ill., and W. M. McNeil, Warren, Ohio, assignors to United States Gypsum Company, Chicago, Ill. Apparatus for producing high strength calcined gypsum. 2,074,937; Mar. 23.
Randolph, Guy P., Pasadena, assignor to Randolph Tool Company, Inc., Burbank, Calif. Pot lifter. 2,074,429; Mar. 23.
Randolph Tool Company. (See Randolph, Guy P., assignor.)
Rawlings, Dale R. (See Sill, Isaac B., assignor.)
Rea, John W. (See Bird, B. M., Thomas, and Rea.)
Reardon, Harvey J., Chicago, Ill. Duplicating device. 2,074,669; Mar. 23.
Reed, Dempson H., Houston, Tex. Pump and valve assembly. 2,074,430; Mar. 23.
Reed, Elliott W., Cloquet, Minn. Adjustable area propeller blade. 2,074,807; Mar. 23.
Reed, Jesse O., Washington, D. C. Fire-extinguishing compositions. 2,074,938; Mar. 23.
Regar, Harold D., Reading, Pa. Lace-tipping machine. 2,074,670; Mar. 23.
Regester, Ramsay G., Philadelphia, Pa., assignor to Gill Glass & Fixture Company. Interiorly illuminated sign. 2,074,671; Mar. 23.
Reid, John G., Jr., Pottsville, assignor to The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa. Ash removing apparatus. 2,074,431; Mar. 23.
Reliable Electric Co. (See Fotsch, William G., assignor.)
Reliance Manufacturing Company. (See Tolen, E. V., and Harbstret, assignors.)
Republic Flow Meters Company. (See Grisdale, George W., assignor.)
Reynolds, Lloyd N., assignor to Maintenance Research, Limited, Cleveland, Ohio. Composition for floors and the like. 2,074,758; Mar. 23.
Rhoades, Jack, et al. (See Alley, Thomas R., assignor.)
Ricefield, Louis, Oak Park, Ill. Coupling. 2,074,939; Mar. 23.
Ricefield, Louis, Oak Park, Ill. Coupling. 2,074,940; Mar. 23.
Ricefield, Louis, Oak Park, Ill. Coupling. 2,074,941; Mar. 23.
Rich, George R., Battle Creek, Mich. Internal combustion engine. 2,074,859; Mar. 23.
Richards, Daniel W., Roanoke, Va. Gate latch. 2,074,759; Mar. 23.
Richardson, Fred, Grove City, Ohio. Circular stitching guide for sewing machines. 2,074,760; Mar. 23.
Richter Firma Johannes A.-G. (See Lindner, Walter, assignor.)
Rickey, Clarence H., assignor to The Crawford, McGregor and Canby Company, Dayton, Ohio. Game ball. 2,074,808; Mar. 24.
Riddell, W. A. Corporation. (See Jersey, Neil E., assignor.)
Riddell, W. A., Corporation. (See Shaeffer, George D., assignor.)
Rider, Ernest G., and W. T. Bailey, Philadelphia, assignors to Stokes and Smith Company, Summerdale, Pa. Box machine. 2,074,561; Mar. 23.
Roach, Edmund J. (See Kitchel, G. B., and Roach.)
Roberts, David A., Flint, Mich. Location tool. 2,074,990; Mar. 23.
Roeder, Clyde A. (See Morehouse, Eugene M., assignor.)
Roeder, Clyde A., Omaha, Nebr. Pumping system. 2,074,618; Mar. 23.
Roemele, Theodore F., Louisville, Ky. Coin card and making same. 2,074,562; Mar. 23.
Rogers, Clifford R. (See Baker, D. B., Rogers, and Panzegrau.)
Rogers, Clifford R., Oak Park, Ill., assignor to International Harvester Company. Oil seal. 2,074,672; Mar. 23.
Röhm & Haas Company. (See Andrews, C. E., and Covert, assignors.)
Rollings, Ernest J., assignor to Wiedemann Machine Company, Philadelphia, Pa. Barrel painting machine. 2,074,432; Mar. 23.
Rood, Walter H., Dallas, Tex., assignor of nine-twentieths to F. C. Crane. Pump plunger. 2,074,591; Mar. 23.
Rose, George H., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Coil handling apparatus. 2,074,809; Mar. 23.
Ross, Aylmer O., Wilkinsburg, Pa., assignor to Maro Corporation, New York, N. Y. Manufacturing closed receptacles. 2,074,860; Mar. 23.
Ross, Oscar A., New York, N. Y. Sound recording apparatus. 2,074,516; Mar. 23.
Ross, Oscar A., New York, N. Y. System for synchronously recording action and sound. 2,074,517; Mar. 23.
Roth, Paul, H. Elvert, and F. Steinberger, Frankfort-on-the-Main-Hoechst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing acetaldehyde from acetylene. 2,074,619; Mar. 23.
Rowell, Frank F., St. Paul, Minn. Silo. 2,074,592; Mar. 23.
Royal Reynes, Inc. (See Salcedo, Ferdinand G., assignor.)
Saaiman, Louis S., and N. Barker, Johannesburg, Transvaal, Union of South Africa. Fixing wire clamps around hose and similar pipes. 2,074,593; Mar. 23.

Sabol, Ernest J., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Bond. 2,074,810; Mar. 23.

Sacharow, Maurice H., Cleveland Heights, Ohio. Dispenser for tooth powder and the like. 2,074,344; Mar. 23.

Sachs, Joseph, West Hartford, Conn. Electric circuit controlling device. 2,074,861; Mar. 23.

Sachs, Joseph, West Hartford, Conn. Electrical distribution device. 2,074,862; Mar. 23.

Sachs, Joseph, West Hartford, Conn. Electric circuit controlling device. 2,074,863; Mar. 23.

Sackett, Augustus J., Anne Arundel County, Md. Mixing machine. 2,074,673; Mar. 23.

Sa Couto, Antonio, Fall River, Mass., assignor of one-half to Joseph F. Souza. Auxiliary top for automobiles. 2,074,620; Mar. 23.

Sadjian, Harry, Philadelphia, Pa. Dispensing device for slender articles. 2,074,674; Mar. 23.

Salcedo, Ferdinand G., Hollywood, Calif., assignor to Royal Revues, Inc. Auxiliary picture reproducing apparatus. 2,074,991; Mar. 23.

Salomon, Irving, Michigan City, Ind. Adjustable chair back. 2,074,621; Mar. 23.

Salzberger, Bernard, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,074,864; Mar. 23.

Sandberg, Henry C., Wethersfield, Conn. Air distribution apparatus. 2,074,518; Mar. 23.

Sandberg, Nathaniel, Attleboro, Mass. Nose pad for opthalmic mountings. 2,074,675; Mar. 23.

San Diego Fruit and Produce Company. (See Kinslow, Henry M., assignor.)

Sargent, Allston, Bronxville, N. Y., and A. C. Armstrong, Baltimore, Md., assignors to Campbell Metal Window Corporation, New York, N. Y. Ventilating and air treating provision. 2,074,622; Mar. 23.

Sawyer, Harold L. (See Bearce, C. A., and Sawyer.)

Schaefer, Frederic. (See Fendner, Willard J., assignor.)

Schaefer, Frederic, Pittsburgh, Pa. Wear plate assembly. 2,074,707; Mar. 23.

Scharf, Jacob S., New York, N. Y. Lamp and heater. 2,074,865; Mar. 23.

Schilling, Heinrich. (See Baumann, P., Stadler, and Schilling.)

Schlesinger, Edgar E., Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill. Wall for railway cars. 2,074,433; Mar. 23.

Schmelzer, Anton C., Cleveland, Ohio. Clothes rinsing and drying apparatus. 2,074,866; Mar. 23.

Schmelzer, Anton C., Cleveland, Ohio. Combined washing and drying machine. 2,074,867; Mar. 23.

Schmelzer, Anton C., Cleveland, Ohio. Friction drive mechanism. 2,074,868; Mar. 23.

Schmelzer, Anton C., Cleveland, Ohio. Method and apparatus for coupling a washing machine with a centrifugal drier. 2,074,869; Mar. 23.

Schmidinger, Joseph, Long Island City, N. Y. Switch. 2,074,345; Mar. 23.

Schmidt, David, assignor to The Dobeckmun Company, Cleveland, Ohio. Making a bag or similar article. 2,074,992; Mar. 23.

Schnell, Steve, Overland, assignor to Wagner Electric Corporation, St. Louis, Mo. Braking mechanism. 2,074,434; Mar. 23.

Schroth, Elmer T., Carrolltown, Pa. Highway striper. 2,074,623; Mar. 23.

Schuettinger, Herman, New York, N. Y. Level and plumb indicating device. 2,074,563; Mar. 23.

Schuh, Felix, Berlin, Germany. Device for moistening envelopes. 2,074,811; Mar. 23.

Schuldt, Howard J. (See Bihler, W. G., and Schuldt.)

Schulze, Reinhard, Baltimore, Md. Tuning pin for pianos. 2,075,001; Mar. 23.

Schwarze Electric Company. (See Durant, John D., assignor.)

Schwarze Electric Company. (See Von Voigtlander, Frederick, assignor.)

Schwartz, Sol., Chicago, Ill. Tamperproof container. 2,074,490; Mar. 23.

Schwarz, Anton C. (See de Courcy, Henry J., assignor.)

Schwelnburg, Arthur, Prague, and F. Waschiczeck, Reichenberg, assignors to firm Waldes & spol., Prague, Czechoslovakia. Sliding clasp fastener. 2,074,624; Mar. 23.

Schweitzer & Conrad, Inc. (See Conrad, Nicholas J., assignor.)

Schweller, Edmund F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,074,435; Mar. 23.

Scoma, Peter J., Fort Worth, Tex. Holder for sewing machine needles. 2,074,942; Mar. 23.

Scurlock, Lewis H., Chicago, Ill. Food container unit. 2,074,564; Mar. 23.

Seals, Garlin E., Monahans, Tex. Combination well drilling rig. 2,074,594; Mar. 23.

Seederer-Kohlbusch, Inc. (See Gattoni, John, assignor.)

Seeger, Edwin W. (See Brown, G. C., and Seeger.)

Seeger, Gustave R., assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator body construction. 2,074,436; Mar. 23.

Seeger Refrigerator Company. (See Seeger, Gustave R., assignor.)

Seeger Refrigerator Company. (See Swedman, Enoch, assignor.)

Semet-Solvay Engineering Corporation. (See Hughes, Charles H., assignor.)

Sendzimir, Tadeusz, Katowice, Poland, assignor to The American Rolling Mill Company, Middletown, Ohio. Production of sheets and other shapes from molten metal. 2,074,812; Mar. 23.

Servicemen Supply Company. (See Herkimer, Herbert, assignor.)

Seyfried, Florence R., Toledo, Ohio. Dermatoid glove. 2,074,762; Mar. 23.

Sexton, Everett P., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,074,761; Mar. 23.

Shackelford, Orie, Fairmont, W. Va. Conveyer. 2,074,595; Mar. 23.

Schaeffer, George D., assignor, by mesne assignments, to W. A. Riddell Corporation, Bucyrus, Ohio. Road grader. 2,074,565; Mar. 23.

Sharp, Campbell K., Jackson, assignor to Sharvania Oil and Grease Corporation, Memphis, Tenn. Lubrication. 2,074,943; Mar. 23.

Sharp & Dohme, Inc. (See Miller, Ellis, assignor.)

Sharvania Oil and Grease Corporation. (See Sharp, Campbell K., assignor.)

Shells, William J., Roxbury, Mass. Repairing defective masonry walls. 2,074,566; Mar. 23.

Sheldon, E. H., and Company. (See Cummings, J., and Sheldon, assignors.)

Sheldon, Edgar H. (See Cummings, J., and Sheldon.)

Shelving and Parts Manufacturing Corporation. (See Jacobs, Rex C., assignor.)

Shephard, Edward A., Oakland, Calif. Golf tee. 2,074,519; Mar. 23.

Short, Martha P., Pomona, Calif. Bedside safety toilet chair. 2,074,596; Mar. 23.

Shyvers, Kenneth C., Seattle, Wash. Signal means for the coin slide of a coin controlled apparatus. 2,074,567; Mar. 23.

Sibley, Robert L., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Treating rubber. 2,074,993; Mar. 23.

Sill, Isaac B., assignor to Dale R. Rawlings, Tonganoxie, Kans. Concrete wall block construction. 2,074,813; Mar. 23.

Simplex Wire & Cable Company. (See Boggs, Charles R., assignor.)

Sinclair, Harold, Surbiton Hill, England. Hydraulic coupling. 2,074,346; Mar. 23.

Singer, Alexander. (See Lederer, Maximilian, assignor.)

Sjöstrand, Hjalmar E., Ravala, Grangesberg, Sweden. Radio antenna. 2,074,944; Mar. 23.

Skinner, M. B., Company. (See Merrill, Patterson D., assignor.)

Skinner, Ralph L., Detroit, Mich. Internal-combustion engine cylinder-head construction. 2,074,972; Mar. 23.

Skvor, George J., Boise, Idaho. Construction and improvement of a smokehouse for smoking, curing, and processing meats. 2,074,945; Mar. 23.

Sloan, Edward C., assignor to J. B. Hawley, Geneva, Ill. Adjustable sweat band. 2,074,568; Mar. 23.

Smith, Howard, assignor to Knapp-Monarch Company, St. Louis, Mo. Signal device for electric appliances. 2,074,569; Mar. 23.

Smith, John R., Los Angeles, Calif. Wind baffle cowl for heater stacks. 2,074,491; Mar. 23.

Smith-Johnson Corporation. (See Smith, N. V., and Stoll, assignors.)

Smith, Lucius N., Atlanta, assignor of one-half to C. R. Medley, Columbus, Ga. Motor driven mixer. 2,074,708; Mar. 23.

Smith, Neil V., and C. W. Stoll, assignors to Smith-Johnson Corporation, Los Angeles, Calif. Grease gun. 2,074,570; Mar. 23.

Smith, Temple C. (See Bixel, E. C., and Smith.)

Smith, Wilfred W., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous compositions and making same. 2,074,814; Mar. 23.

Smith, William L., Jr., and R. H. Lawson, Pawtucket, R. I., said Smith assignor to May Hosiery Mills, Nashville, Tenn. Knitting machine. 2,074,973; Mar. 23.

Snyder, Arlin A., Manteca, Calif. Fuel distributor for Diesel engines. 2,074,437; Mar. 23.

Snyder, George A., West Hollywood, Calif. Blood pressure testing apparatus. 2,074,520; Mar. 23.

Solar Industries, Inc. (See Ballentine, Earle W., assignor.)

Southern Kraft Corporation. (See Kondolf, Henry, assignor.)

Southern Silk Mills, Inc. (See Gibbs, Francis O., assignor.)

Souza, Edward. (See Souza, George, and E.)

Souza, George, and E., Irvington, Calif. Cultivator. 2,074,521; Mar. 23.

Souza, Joseph F. (See Sa Couta, Antonio, assignor.)

Sparks-Withington Company, The. (See Gentz, Edward W., assignor.)

Sparks-Withington Company, The. (See Mountjoy, Garrard, assignor.)

Spaunburg, Harvey L., Bristol, assignor to Veeder-Root, Incorporated, Hartford, Conn. Lock device. 2,074,625; Mar. 23.

Sperry Gyroscope Company. (See Carlson, Bert G., assignor.)

Sperry Products, Inc. (See Braddon, Fred D., assignor.)

Sperry Products, Inc. (See Drake, Harcourt C., assignor.)

Stadler, Robert. (See Baumann, P., Stadler, and Schilling.)

Standard Cap and Seal Corporation. (See Tevander, O. N., and Brinton, assignors.)

Standard Oil Company (Indiana). (See Arveson, Maurice H., assignor.)

Standard Oil Company of California. (See Gosline, James E., assignor.)

Standard Oil Development Company. (See Gutzeit, Carlos L., assignor.)

Stark, Rawson E., Pittsburgh, Pa., assignor to The Hobart Manufacturing Company, Troy, Ohio. Aerating apparatus. 2,074,597; Mar. 23.

Starr, Albert C., Nephi, Utah, assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,074,709; Mar. 23.

Starr, Raymond H., and C. Masters, Kansas City, assignors to Koch Butchers Supply Company, North Kansas City, Mo. Refrigerator. 2,074,870; Mar. 23.

Stearns, Albert A., et al. (See Coulton, William C., assignor.)

Steinberger, Franz. (See Roth, P., Elvert, and Steinberger.)

Steiner, Albert, Eureka, Mont. Overhead garage door. 2,074,347; Mar. 23.

Stewart, Charles T., assignor to A. H. Heisey & Company, Newark, Ohio. Glory hole. 2,074,974; Mar. 23.

Stewart, Charles W., River Forest, Ill., assignor to American Can Company, New York, N. Y. Treating fiber can parts. 2,074,348; Mar. 23.

Stocal Enamels Limited. (See Wright, Francis S., assignor.)

Stoker, Robert. (See McElhaney, J. R., and Stoker.)

Stokes and Smith Company. (See Rider, E. G., and Bailey, assignors.)

Stoll, Carl W. (See Smith, N. V., and Stoll.)

Stoner, Frank, Lakewood, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 2,074,946; Feb. 23.

Strange, Andrew L., Hove, England. Antidazzle device for vehicle head lamps. 2,074,626; Mar. 23.

Strathmore Company, The. (See Paasche, Jens A., assignor.)

Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 2,074,947; Mar. 23.

Strauss, Albert A., Pittsburgh, Pa. Safety hat or cap. 2,074,627; Mar. 23.

Strutwear Knitting Company. (See Martin, John E., assignor.)

Strysik, John J. (See Camp, R. E., and Strysik.)

Studebaker Corporation, The. (See White, Harold S., assignor.)

Stukenborg, Louis C. (See Holloman, L. C., and Stukenborg.)

Stupell, Leo K., New York, N. Y. Ornamental cover. 2,074,994; Mar. 23.

Sturgis, Raymond F., Elizabeth, N. J. Combined water heater and heat deflector attachment for furnaces. 2,074,948; Mar. 23.

Suarez, de Mendoza, Fernand François Dominique, Paris, France. Apparatus for intestinal irrigations. 2,074,374; Mar. 23.

Sullivan Machinery Company. (See Noble, Warren, assignor.)

Summerall, William B., Atlanta, Ga. Automobile semaphore. 2,074,522; Mar. 23.

Swedman, Enoch, assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator door basket. 2,074,438; Mar. 23.

Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelope. 2,074,949; Mar. 23.

Swingle, Wilbur W., and J. J. Pfiffner, Princeton, N. J., assignors to Parke, Davis & Company, Detroit, Mich. Medicinal compound. 2,074,492; Mar. 23.

Swingle, Wilbur W., and J. J. Pfiffner, Princeton, N. J., assignors to Parke, Davis & Company, Detroit, Mich. Purification of gland extracts. 2,074,493; Mar. 23.

Symons, Helen W. (See Symons, William J., assignor.)

Symons, William J., Santa Monica, assignor to Helen W. Symons, West Los Angeles, Calif. Propeller. 2,074,871; Mar. 23.

Tangerman, William J., Hammond, Ind., assignor to Union Metal Products Company, Chicago, Ill. Wall for railway cars. 2,074,439; Mar. 23.

Tatter, John W., Akron, Ohio, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,074,710; Mar. 23.

Tatter, John W., Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation, South Bend, Ind. Brake. 2,074,763; Mar. 23.

Tatum, Robert S., East Orange, N. J. Spring scale. 2,074,628; Mar. 23.

Taylor, Cecil H., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,074,711; Mar. 23.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Feussner, Helmut, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m b. H. (See Prinz, D., and Herriger, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Wünning, Hans, assignor.)

Teleregister Corporation, The. (See Herbst, John A., assignor.)

Terkelsen Machine Company. (See Derry, Jasper, assignor.)

Terrell, E. C., et al. (See Alley, Thomas R., assignor.)

Tevander, Olof N., and C. H. Brinton, assignors to Standard Cap and Seal Corporation, Chicago, Ill. Bottle capping mechanism. 2,074,815; Mar. 23.

Texas Company, The. (See de Florez, Luis, assignor.)

Texas Company, The. (See Nelson, Roy F., assignor.)

Thayer, Chester B., deceased, Benton Harbor, Mich.; P. C. Thayer, administratrix. Fastening machine. 2,074,995; Mar. 23.

Thayer, Pearl C., administratrix. (See Thayer, Chester B.)

Thomas, Bertram D. (See Bird, B. M., Thomas, and Rea.)

Thompson, Frank D., Jr., assignor to Wooden Containers Inc., Cleveland, Ohio. Fruit or vegetable crate. 2,074,598; Mar. 23.

Thompson, Oscar T., Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Preparing material for packaging. 2,074,571; Mar. 23.

Thompson Products Incorporated. (See Hufferd, G. H., and Graham, assignors.)

Thorin, Harry, Monson, Mass. Window conservatory. 2,074,872; Mar. 23.

Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Tank assemblage. 2,074,523; Mar. 23.

Todd, Guerin, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Conveyer driving control. 2,074,599; Mar. 23.

Tolen, Earl V., and C. B. Harbstreit, Bedford, Ind., assignors to Reliance Manufacturing Company, Chicago, Ill. Work guide for sewing machines. 2,074,572; Mar. 23.

Tolson, William A., Westmont, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Deflection device for cathode-ray tubes. 2,074,764; Mar. 23.

Transforma Aktiengesellschaft. (See Frommer, L., and Polak, assignors.)

Transit Research Corporation. (See Piron, Emil H., assignor.)

Treacy, Cyril S., Scarsdale, assignor to United Research Corporation, Long Island City, N. Y. Light-sensitive cell manufacture. 2,074,676; Mar. 23.

Tross, Ernest E., Youngstown, Ohio, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Making welding rods. 2,074,712; Mar. 23.

Tross, Ernest E., Youngstown, Ohio, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Making wire and the like. 2,074,713; Mar. 23.

Trotter, Lillian, Astoria, N. Y. Hair waving device. 2,074,816; Mar. 23.

Twiss, Douglas F., Wylde Green, Birmingham, and E. W. B. Owen, Erdington, Birmingham, assignors to Dunlop Rubber Company, Limited, London, England. Concentrating latex. 2,074,494; Mar. 23.

Twomley, Herbert E., Riverside, Calif. assignor, by mesne assignments, to Food Machinery Corporation. Nailing table for box lidding machines. 2,074,573; Mar. 23.

Tytus, John B., and E. B. Hudson, assignors to The American Rolling Mill Company, Middletown, Ohio. Continuously tensioned tandem cold mill train. 2,074,873; Mar. 23.

Uber, Daniel W., Kane, Pa. Measuring device. 2,074,524; Mar. 23.

Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)

Underwood, William F., Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic pellicles and preparing same. 2,074,349; Mar. 23.

Ungar, Harry A., Los Angeles, Calif. Adaptable electric hand tool. 2,074,629; Mar. 23.

Union Carbide and Carbon Corporation. (See Heise, George W., assignor.)

Union Metal Products Company. (See Schlesinger, Edgar E., assignor.)

Union Metal Products Company. (See Tangerman, William J., assignor.)

Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)

United Engineering & Foundry Company. (See Tross, Ernest E., assignor.)

United Metal Box Co. (See Hammer, Samuel, assignor.)

United Research Corporation. (See Farrand, Clair L., assignor.)

United Research Corporation. (See Treacy, Cyril S., assignor.)

United Shoe Machinery Corporation. (See Bearce, C. A., and Sawyer, assignors.)

United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)

United Shoe Machinery Corporation. (See Warren, Harold, assignor.)

United States Envelope Company. (See Swift, Willard E., assignor.)

U. S. Galvanizing & Plating Equipment Corporation. (See Potthoff, Kurt T., assignor.)

United States Gypsum Company. (See Randel, W. S., Dailey, and McNeil, assignors.)
Universal Form Clamp Company. (See Hoffer, George W., assignor.)
Urschel, William E., Valparaiso, Ind. Fruit or vegetable topper. 2,074,677; Mar. 23.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Modulator. 2,074,440; Mar. 23.
Van Bebber, Glenn O., Denver, Colo. Breeches construction. 2,074,574; Mar. 23.
Vance, Arthur W., Philadelphia, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Circuits for cathode-ray tubes. 2,074,495; Mar. 23.
Vance, Arthur W., Philadelphia, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Television deflecting circuits. 2,074,496; Mar. 23.
Van Sant, Robert H., Detroit, Mich., assignor, by mesne assignments, to American Chlorophyll, Inc. Extracting chloroplasts. 2,074,441; Mar. 23.
Veeder-Root, Incorporated. (See Spaunburg, Harvey L., assignor.)
Venzie, Frederick M., Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y. Building structure. 2,074,442; Mar. 23.
Vinson, S. Lancelot, et al. (See Miller, Charles W., assignor.)
Vinson, Sylvanus B., et al. (See Miller, Charles W., assignor.)
Vogel, Werner G., assignor to Henry Vogt Machine Co., Louisville, Ky. Boiler and smoke breeching casing. 2,074,874; Mar. 23.
Vogt, Henry, Machine Co. (See Vogt, Werner G., assignor.)
Voigt, Paul A., Woodhaven, assignor to Johns-Manville Corporation, New York, N. Y. Structural assembly. 2,074,497; Mar. 23.
Volmer, Max, Neubabelsberg-Steinstucken, Germany. Arc lamp for irradiating purposes. 2,074,600; Mar. 23.
Von Bargen, Otto H., Duthie, Idaho. Netting needle. 2,074,817; Mar. 23.
Von Voigtlander, Frederick, assignor to Schwarze Electric Company, Adrian, Mich. Synthetic tone signal. 2,074,875; Mar. 23.
Vulcan Proofing Company. (See Kelley, Robert L., Sr., assignor.)
Wagner Electric Corporation. (See Schnell, Steve, assignor.)
Wagner, Hans P., Brooklyn, assignor to The Autosan Corporation of America, New York, N. Y. Method and composition for preventing flat tires. 2,074,876; Mar. 23.
Wald Manufacturing Company. (See Pawsat, Ewald F., assignor.)
Waldes & spol. (See Schweinburg, A., and Waschiczeck, assignors.)
Wallace, Charles F., Westfield, and G. D. Peet, Montclair, assignors to Wallace & Tiernan Company, Inc., Belleville, N. J. Apparatus for metering gas. 2,074,950; Mar. 23.
Wallace & Tiernan Company. (See Wallace, C. F., and Peet, assignors.)
Walpole, Benjamin M., Providence, R. I. Self-actuated traffic signal system. 2,074,443; Mar. 23.
Ward Leonard Electric Company. (See Logan, Frank G., assignor.)
Ware, Thomas G., Newnan, Ga. Auto-seat cover. 2,074,630; Mar. 23.
Warren, Harold, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insole and making same. 2,074,444; Mar. 23.
Waschiczeck, Fritz. (See Schweinburg, A., and Waschiczeck.)
Waterbury Clock Company. (See Putnam, James R., assignor.)
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Waters, Harold, Hohokus, N. J., and W. F. Glaser, Eastchester, assignor to Otis Elevator Company, New York, N. Y. Elevator system. 2,074,575; Mar. 23.
Watkins, Frank M., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Pressing machine. 2,074,877; Mar. 23.
Watson, Myron J., Chicago, Ill. Cyclone dust collector. 2,074,818; Mar. 23.
Wean Engineering Company, The. (See Wean, Raymond J., assignor.)
Wean, Raymond J., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Method and apparatus for coating. 2,074,498; Mar. 23.
Weber, Fritz W., Aruba, Dutch West Indies. Aeroplane toy. 2,074,878; Mar. 23.
Weitzenkorn, Joseph W., Pittsburgh, Pa. Apparatus for treating materials. 2,074,819; Mar. 23.
Welded Tank and Steel Company. (See Humphrey, Dee E., assignor.)
Wellman Seaver Rolling Mill Company. (See McLay, Gavin S., assignor.)
Wells, Ira M., Oakland, Calif. Road-grader moldboard control means. 2,074,601; Mar. 23.
Wells-Gardner & Company. (See Owens, Orville R., assignor.)
Weritz, John, Cicero, Ill. Combined socket and reflector. 2,074,879; Mar. 23.
Western Electric Company. (See Henning, George E., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, C. C., and Hewitt, assignors.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Air Brake Company, The. (See Sexton, Everett P., assignor.)
Wettlaufer, Jules L., Belmont, assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Apparatus for surfacing roofing. 2,074,445; Mar. 23.
White, Harold S., assignor to The Studebaker Corporation, South Bend, Ind. Engine cooling system. 2,074,631; Mar. 23.
White, Samuel O., and O. E. Fishburn, Muncie, Ind., assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Clutch mechanism for automobile transmissions. 2,074,820; Mar. 23.
Whitehead, Richard H., assignor to The New Haven Clock Company, New Haven, Conn. Watch. 2,074,525; Mar. 23.
Whitney, Edgar B., Sierra Madre, Calif. Pencil. 2,074,632; Mar. 23.
Whittaker, Colin W., and F. O. Lundstrom, Washington, D. C., dedicated to the free use of the public in the United States of America. Molecular addition compound of calcium sulphate and urea. 2,074,880; Mar. 23.
Whitten, Hal S., Oklahoma City, Okla. Bottle holder. 2,074,736; Mar. 23.
Wico Electric Company. (See Harmon, K. A., and Louis, assignors.)
Wiedemann Machine Company. (See Rollings, Ernest J., assignor.)
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Making nuts. 2,074,678; Mar. 23.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Open die upsetting machine. 2,074,679; Mar. 23.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Upsetting machine. 2,074,680; Mar. 23.
Wilkening, Frederick W. (See Platt, Haviland H., assignor.)
Willard Storage Battery Company. (See Codney, Arthur O., assignor.)
Williams, Harry M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,074,526; Mar. 23.
Wilstam, Alfred, Altadena, Calif. Motive power producing apparatus. 2,074,602; Mar. 23.
Wincharger Corporation. (See Albers, John R., and G. H., assignors.)
Wissmann, Ludwig, Baltimore, Md. Post card. 2,074,821; Mar. 23.
Witting, Albin G., Gary, Ind. Apparatus for preheating coal before coking. 2,074,881; Mar. 23.
Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Cathode ray modulation indicator. 2,074,737; Mar. 23.
Wood, Alexander P., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. 2,074,822; Mar. 23.
Wood, Everett N., Mason City, Iowa. Vapor condensing device. 2,074,350; Mar. 23.
Wooden Containers Inc. (See Thompson, Frank D., Jr., assignor.)
Woodruff, James E., Oakland, Calif. Pneumatic conveyer. 2,074,527; Mar. 23.
Wright, Francis S., Earlswood, assignor to Stocal Enamels Limited, Birmingham, England. Drinking appliance for poultry and the like. 2,074,603; Mar. 23.
Wright, George H., Ballston Spa, N. Y., assignor to General Electric Company. Heat treatment of steel for resistance to creep. 2,074,823; Mar. 23.
Wright, Sumner B., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission regulation. 2,074,446; Mar. 23.
Wünning, Hans, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Control device for radio receivers. 2,074,447; Mar. 23.
Wünsch, Guido. (See Zieholz, H., and Wünsch.)
Wünsch, Guido, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. Proportioning control apparatus and controlling the operation thereof. 2,074,882; Mar. 23.
Wysor, Davidson C., Ridgewood, N. J., assignor to General Chemical Company, New York, N. Y. Coloring material. 2,074,499; Mar. 23.
York, Bertrand L., Piedmont, Calif. Mold for frozen confections. 2,074,500; Mar. 23.

Young, Maude M., Portland, Oreg. Container for pie pans. 2,074,448; Mar. 23.
Zarkin, Charles, New York, N. Y. Graining machine. 2,074,633; Mar. 23.
Zeigler, Maxwell T., assignor, by mesne assignments, to Zeigler Packaged Ice Machinery Corporation, Huntington Park, Calif. Ice vending machine. 2,074,351; Mar. 23.
Zeigler Packaged Ice Machinery Corporation. (See Zeigler, Maxwell T., assignor.)
Zieholz, Herbert, Chicago, Ill., and G. Wünsch, Berlin-Steglitz, Germany, assignors to Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. Method of and apparatus for controlling the flow of fluids. 2,074,883; Mar. 23.
Ziomek, Peter, and T. Kowalski, Detroit, Mich. Locking mechanism. 2,074,449; Mar. 23.
Zublin, John A., Los Angeles, Calif. Bit for drilling a hole larger than the bit. 2,074,951; Mar. 23.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Friction and vibration of rotor elements, Apparatus for minimizing. E. Klahn. 20,305; Mar. 23.
Gold plating. H. S. Lukens. 20,306; Mar. 23.
Holder, Copy. C. C. Harper and E. F. Kitendaugh. 20,304; Mar. 23.
Meter connecting device. G. W. McKee. 20,308; Mar. 23.
Performance gauging means for prime movers. J. C. Groff. 20,303; Mar. 23.
Picture assembling apparatus for television receivers. F. von Okolicsanyi. 20,311; Mar. 23.
Stand for coffee funnels. H. Cory. 20,302; Mar. 23.
Temperature control mechanism for heating systems, Average. E. A. Taylor, M. D. Pence, and C. A. Dunham. 20,310; Mar. 23.
Warp wind control for spinning frames, Automatic. P. B. Reeves and H. E. Brooks. 20,309; Mar. 23.
Wireless receiving apparatus. A. Mavrogenis. 20,307; Mar. 23.

LIST OF PLANT INVENTIONS

Carnation. J. C. Rasmussen. 239; Mar. 23.

LIST OF DESIGN INVENTIONS

Air compressor unit. G. W. Bayers. 103,665; Mar. 23.
Ashtray. L. Lowi. 103,685; Mar. 23.
Automobile. V. Colonese. 103,773; Mar. 23.
Automobile. C. C. Walker. 103,772; Mar. 23.
Bar and ash receiver, Combination. C. Hardy. 103,680; Mar. 23.
Bin or similar article, Vegetable. W. B. Flanagan. 103,717–9; Mar. 23.
Blind, Venetian. J. E. Speirs. 103,745; Mar. 23.
Blouse or similar article. F. H. Enscore. 103,716; Mar. 23.
Board, Game. H. Barna. 103,759; Mar. 23.
Board, Game. C. J. Snawadzki. 103,697; Mar. 23.
Boat. J. Smith. 103,767; Mar. 23.
Bottle. J. H. Funkey. 103,774; Mar. 23.
Bottle. P. S. Hyun. 103,724; Mar. 23.
Bottle. W. R. Kohl. 103,785; Mar. 23.
Bottle. L. A. Leppke. 103,729; Mar. 23.
Bottle. P. G. Lloyd. 103,730; Mar. 23.
Bottle. J. S. Steelman. 103,792; Mar. 23.
Bottle and cap closure, Combined. F. W. Nitardy. 103,789; Mar. 23.
Box, Novelty. J. P. Case. 103,668; Mar. 23.
Bracelet or similar article, Watch. J. Kreisler. 103,727; Mar. 23.
Brassière vest. M. Newman. 103,737; Mar. 23.
Burner, Fluid fuel. B. L. Matthews and J. T. Marvin. 103,732; Mar. 23.
Cabinet, Radio. S. J. Cardoza. 103,708; Mar. 23.
Cabinet, Radio. A. G. Hoffman. 103,777; Mar. 23.
Cabinet, Refrigerator. W. H. Swanson. 103,699; Mar. 23.
Camera. W. D. Teague. 103,700; Mar. 23.
Cap for electrical vaporizers. J. Robinson. 103,692; Mar. 23.
Carton and cleansing tissue display, Combined transparent. W. Medoff. 103,786; Mar. 23.
Case, Cyclometer clock. W. D. Teague. 103,747–9; Mar. 23.
Case, Instrument. H. B. Brown. 103,760; Mar. 23.
Casing and wringer, Combined washing machine. F. C. Schwaneke, Jr. 103,743; Mar. 23.
Casing, Time recorder. W. H. Adams. 103,663; Mar. 23.
Chair. F. Racen. 103,690; Mar. 23.
Chair, Office. K. F. Davis and J. J. Joseph. 103,714; Mar. 23.
Clock. A. H. Rusch. 103,791; Mar. 23.
Coffeepot. J. G. Rideout. 103,691; Mar. 23.
Comb or the like. J. C. Foster. 103,677; Mar. 23.
Container and card game accessories, Combined display. A. Popper. 103,764; Mar. 23.
Container or similar article, Display. E. M. Brogden. 103,666–7; Mar. 23.
Control device for radio receivers. D. H. Mitchell. 103,733; Mar. 23.
Dress ensemble. M. Michelson. 103,787–8; Mar. 23.
Dress ensemble. P. Wenett. 103,793–4; Mar. 23.
Fabric or similar article, Printed textile. M. R. Hamre. 103,762; Mar. 23.
Fabric or similar article, Textile. M. Christen. 103,710; Mar. 23.
Fabric or similar article, Printed textile. M. R. Hamra. 103,722; Mar. 23.
Fabric or similar article, Textile. J. Mohan. 103,734–6; Mar. 23.
Fabric or similar article, Textile. J. Stam. 103,746; Mar. 23.
Fabric, Textile. E. Raphaels. 103,765; Mar. 23.
Fabric, Textile. W. Ross. 103,766; Mar. 23.
Fabric, Textile. J. L. Titelbaum. 103,751; Mar. 23.
Fabric, Textile. M. Turpan. 103,752–5; Mar. 23.
Flashlight casing. H. G. Graubner. 103,678; Mar. 23.
Gas pump, Wet type. C. Blom. 103,706; Mar. 23.
Handle, Door. L. Anderson. 103,758; Mar. 23.
Holder, Flower. R. E. Spencer. 103,769; Mar. 23.
Holder, Listick. L. A. Samstag. 103,693; Mar. 23.
Indicator, Drink. R. R. Smith. 103,768; Mar. 23.
Jar. E. W. Fuerst. 103,721; Mar. 23.
Jug. A. I. Lorenzen. 103,731; Mar. 23.
Knife, Cake. G. E. White. 103,757; Mar. 23.
Lamp. L. K. Franklin. 103,720; Mar. 23.
Lamp. J. H. Horsley. 103,723; Mar. 23.
Lamp and radio receiving set, Combined. D. J. Crowley. 103,761; Mar. 23.
Microphone unit or the like. G. M. Giannini. 103,795; Mar. 23.
Musical instrument. W. E. Lednum. 103,683; Mar. 23.
Ornament, Dress. C. Balog. 103,704; Mar. 23.
Panel for stoves, Back guard. A. R. Grant. 103,776; Mar. 23.
Pedestal and housing for vapor treatment apparatus or similar article, Combined. J. E. Kelley. 103,725; Mar. 23.
Plate, Cocktail compartment. G. T. W. Banks. 103,705; Mar. 23.
Plate, Name. W. H. Swanson. 103,770; Mar. 23.
Plug for storage batteries, Vent. R. M. Raney. 103,790; Mar. 23.
Pump. J. R. Morgan. 103,686; Mar. 23.
Rack for piece goods, Display. C. Lang. 103,763; Mar. 23.
Receptacle for batteries or similar articles. O. B. Carson. 103,709; Mar. 23.
Refrigerator. H. L. Towle. 103,701; Mar. 23.
Scale, Platform. C. R. Kirk. 103,780–4; Mar. 23.
Screw driver. T. J. Fegley and G. O. Leopold. 103,676; Mar. 23.
Shaker combination set, Salt and pepper. H. S. Cohn. 103,669; Mar. 23.
Shoe. L. T. Carey. 103,707; Mar. 23.
Shoe or similar article. H. Shapiro. 103,695; Mar. 23.
Signal for motor vehicles. P. Falke. 103,675; Mar. 23.
Signal, Traffic. J. D. Kennelly. 103,681; Mar. 23.
Slip. H. Cohen. 103,711; Mar. 23.
Slitter, Corn. C. R. Hanchett. 103,679; Mar. 23.
Spoon or similar article. F. S. Trumbull. 103,702; Mar. 23.
Spoon or other article of flatware. C. F. Simms. 103,696; Mar. 23.
Stand for papers and writing paraphernalia, Desk. E. R. Posnack. 103,689; Mar. 23.
Stand or similar article, Display. M. J. Schless. 103,694; Mar. 23.
Stocking darner. W. A. Davis. 103,715; Mar. 23.
Stove, Gas. A. R. Grant. 103,775; Mar. 23.
Suit, Ensemble. F. Corman. 103,713; Mar. 23.
Tray. M. H. Connor. 103,670–1; Mar. 23.
Trunks, Bathing. T. R. Upland. 103,771; Mar. 23.

Tube or similar article, Plastic. E. H. Tyson. 103,756; Mar. 23.
Tumbler. J. E. Spence. 103,698; Mar. 23.
Ring. F. L. Thorpe. 103,750; Mar. 23.
Sachet. L. M. Shover. 103,744; Mar. 23.
Washing machine. W. K. Voss. 103,703; Mar. 23.
Washing machine and wringer, Combined. F. A. Conterman. 103,672–4; Mar. 23.
Waste basket or similar receptacle. M. H. Connor. 103,712; Mar. 23.
Wheel. C. S. Ash. 103,664; Mar. 23.
Wheel. J. H. Hunt. 103,778–9; Mar. 23.
Wheel. J. M. Kerr. 103,682; Mar. 23.
Wheel. J. M. Kerr. 103,726; Mar. 23.
Wheel. F. H. Le Jeune. 103,684; Mar. 23.
Wheel. F. H. Le Jeune. 103,728; Mar. 23.
Wheel. J. W. Pattison. 103,687–8; Mar. 23.
Wheel. J. W. Pattison. 103,738–42; Mar. 23.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abietic acid esters, Continuous production of. H. E. Kaiser. 2,074,963; Mar. 23.
Acetaldehyde from acetylene, Preparing. P. Roth, H. Elvert, and F. Steinberger. 2,074,619; Mar. 23.
Action and sound, System for synchronously recording. O. A. Ross. 2,074,517; Mar. 23.
Activation device for the heliopyretic treatment of matter. M. L. and F. R. Herzig. 2,074,909; Mar. 23.
Advertising display. H. C. Illum. 2,074,587; Mar. 23.
Aerating apparatus. R. E. Stark. 2,074,597; Mar. 23.
Aerial tramway. C. C. Beatty and E. J. Lloyd. 2,074,953; Mar. 23.
Aeroplane. W. W. Everts. 2,074,897; Mar. 23.
Aeroplane. J. Hojnowski. 2,074,395; Mar. 23.
Aeroplane control mechanism. C. E. Jones. 2,074,914; Mar. 23.
Air, Circulating. A. Gill. 2,074,387; Mar. 23.
Air compressor. N. A. Christensen. 2,074,980; Mar. 23.
Air compressor. W. Noble. 2,074,803; Mar. 23.
Air conditioning and ventilation of houses. W. C. Coulton. 2,074,370; Mar. 23.
Aircraft. H. H. Platt. 2,074,342; Mar. 23.
Aircraft. H. H. Platt. 2,074,805; Mar. 23.
Air distribution apparatus. H. C. Sandberg. 2,074,518; Mar. 23.
Air system for dust removal, Recirculating. J. R. Allan and F. H. Amos. 2,074,317; Mar. 23.
Alcohol, Purification of capryl. C. E. Andrews and L. W. Covert. 2,074,528; Mar. 23.
Alloy. J. W. Bolton and O. E. Harder. 2,074,604; Mar. 23.
Alloy, Copper-silicon-aluminum. D. R. Hull. 2,075,003; Mar. 23.
Alloy for points of gold nibs, Tungsten base. A. Jedele. 2,074,474; Mar. 23.
Alloy, Hard. L. E. Lemaigre. 2,074,847; Mar. 23.
Alloy, Palladium nickel. S. Cohn. 2,074,996; Mar. 23.
Alloys, Copper-silicon-aluminum. D. R. Hull. 2,075,002; Mar. 23.
Amplifier, Impedance variation. W. H. Howe. 2,074,396; Mar. 23.
Antenna located in outer edge of running board, Radio. H. D. Geyer. 2,074,386; Mar. 23.
Antenna system for multiband radio receivers. D. P. Earnshaw. 2,074,896; Mar. 23.
Antidazzle device for vehicle head lamps. A. L. Strange. 2,074,626; Mar. 23.
Antifoaming agents. L. H. Flett. 2,074,380; Mar. 23.
Applicator and massaging device. J. Putteamp. 2,074,735; Mar. 23.
Arc rupturing device for electric safety fuses. E. Lange. 2,074,612; Mar. 23.
Armature assembling machine. E. W. Collins, L. E. Poole, and C. A. Nichols. 2,074,366; Mar. 23.
Articles, Method of tinning and tinned. F. M. Levy. 2,074,848; Mar. 23.
Ash removing apparatus. J. G. Reid, Jr. 2,074,431; Mar. 23.
Auto-seat cover. T. G. Ware. 2,074,630; Mar. 23.
Automatic refusing mechanism. W. H. Frank, J. A. Messing, and H. J. L. Frank. 2,074,646; Mar. 23.
Automobile drive system. H. F. Kolb. 2,074,476; Mar. 23.
Bag frame. W. C. Hiering. 2,074,843; Mar. 23.
Bag or similar article, Making a. D. Schmidt. 2,074,992; Mar. 23.
Bait holder. B. L. Dorsey. 2,074,540; Mar. 23.
Bakery equipment. L. P. Faucher. 2,074,744; Mar. 23.
Balance, Precision. J. Gattoni. 2,074,384; Mar. 23.
Ball check valve. E. H. Lohmolder. 2,074,701; Mar. 23.
Ball, Game. C. H. Rickey. 2,074,808; Mar. 23.
Ball stop mechanism for pin game apparatus. B. E. Mills. 2,074,512; Mar. 23.
Band, Adjustable sweat. E. C. Sloan. 2,074,568; Mar. 23.
Bandeau, brassière, or the like. G. C. Mason, Jr. 2,074,796; Mar. 23.
Bands to garments, Apparatus for attaching elastic. J. E. Martin. 2,074,929; Mar. 23.
Bar: *See*—
Venetian blind head bar.
Barrel painting machine. E. J. Rollings. 2,074,432; Mar. 23.
Bars, wire, tubes, and the like, Sizing round. P. B. Abramsen. 2,074,714; Mar. 23.
Base and socket for radio tubes. D. D. Israel. 2,074,397; Mar. 23.
Basket, Refrigerator door. E. Swedman. 2,074,438; Mar. 23.
Battery tester, Photometric. R. D. Amsden. 2,074,825; Mar. 23.
Bedspring and cover retaining clip therefor. C. D. Karr. 2,074,399; Mar. 23.
Belt conveyer. T. G. Nyborg. 2,074,804; Mar. 23.
Beverage container. P. J. Murphy. 2,074,414; Mar. 23.
Bit for drilling a hole larger than the bit. J. A. Zublin. 2,074,951; Mar. 23.
Blind, Venetian. E. J. Martens. 2,074,482; Mar. 23.
Blood pressure testing apparatus. G. A. Snyder. 2,074,520; Mar. 23.
Bobbin tester. C. D. Greentree. 2,074,840; Mar. 23.
Boiler. W. F. Gerhardt. 2,074,900; Mar. 23.
Boiler and smoke breaching casing. W. G. Vogel. 2,074,874; Mar. 23.
Bond. E. J. Sabol. 2,074,810; Mar. 23.
Boring machine. L. E. Poole. 2,074,426; Mar. 23.
Boring tool. J. Eggemann. 2,074,605; Mar. 23.
Bottle capping machine. O. N. Tevander and C. H. Brinton. 2,074,815; Mar. 23.
Bottle holder. H. S. Whitten. 2,074,736; Mar. 23.
Box: *See*—
Collapsible box. Folding box.
Compartment box.
Box. L. M. Berberian. 2,074,451; Mar. 23.
Box, container, and the like. L. C. Rabaut. 2,074,668; Mar. 23.
Box machine. E. G. Rider and W. T. Bailey. 2,074,561; Mar. 23.
Box or receptacle, Lidded. A. Hornemann. 2,074,790; Mar. 23.
Bracket construction, Adjustable. M. B. McDougall. 2,074,411; Mar. 23.
Brake: *See*—
Fluid pressure brake. Hydraulic brake.
Brake. H. G. Axtmann. 2,074,715–6; Mar. 23.
Brake. V. Bendix. 2,074,717; Mar. 23.
Brake. E. G. Carroll. 2,074,719; Mar. 23.
Brake. O. H. Fowler. 2,074,723; Mar. 23.
Brake. R. A. Goepfrich. 2,074,725; Mar. 23.
Brake. D. M. Huffman and W. F. Friend. 2,074,651; Mar. 23.
Brake. G. H. Hunt. 2,074,727; Mar. 23.
Brake. H. H. Kerr, Jr. 2,074,730; Mar. 23.
Brake. A. C. Starr. 2,074,709; Mar. 23.
Brake. J. W. Tatter. 2,074,710; Mar. 23.
Brake. J. W. Tatter. 2,074,763; Mar. 23.
Brake. C. H. Taylor. 2,074,711; Mar. 23.
Brake apparatus, Train. J. W. Logan, Jr. 2,074,750; Mar. 23.
Brake control equipment. J. W. Logan, Jr. 2,074,752; Mar. 23.
Brake equipment, Fluid pressure. E. E. Hewitt. 2,074,747; Mar. 23.
Brake for airplanes. O. M. Bounds. 2,074,360; Mar. 23.
Brake lining, Manufacture of. N. W. Nelson. 2,074,732; Mar. 23.
Brake mechanism. D. L. Gallup. 2,074,724; Mar. 23.
Brake shoe head. E. W. G. Paterson. 2,074,667; Mar. 23.
Braking mechanism. S. Schnell. 2,074,434; Mar. 23.
Braking system. J. W. Logan, Jr. 2,074,751; Mar. 23.
Braking system, Duplex fluid. W. F. Oliver. 2,074,416; Mar. 23.
Breeches construction. G. O. Van Bebber. 2,074,574; Mar. 23.
Bridge for stringed musical instruments, Resilient. V. Di Marzio. 2,074,982; Mar. 23.
Building element. K. Erdmann. 2,074,721; Mar. 23.
Building structure. F. M. Venzie. 2,074,442; Mar. 23.
Burner: *See*—
Gas burner.
Cabinet for mimeograph stencils, Filing. H. W. Elliot. 2,074,606; Mar. 23.
Cabinet, Towel. L. J. Mitchell. 2,074,664; Mar. 23.
Cable with mineral insulation, Concentric. M. M. J. E. Coupier. 2,074,777; Mar. 23.
Cadmium, Extraction of. A. Pór. 2,074,806; Mar. 23.
Camera shutter control device. F. X. Aichele. 2,074,767; Mar. 23.
Can parts, Treating fiber. C. W. Stewart. 2,074,348; Mar. 23.
Car, Touring. C. S. Ash. 2,074,354; Mar. 23.
Carbon body. H. Bender. 2,074,885; Mar. 23.
Carburetor. J. H. Cordes. 2,074,367; Mar. 23.
Carburetor. S. F. Hunt. 2,074,728–9; Mar. 23.
Carburetor. C. H. Kirby. 2,074,749; Mar. 23.
Card and making same, Coin. T. F. Roemele. 2,074,562; Mar. 23.
Card, Color. G. E. Osborne. 2,074,704; Mar. 23.

Carton and blank for forming the same. H. Kondolf. 2,074,477; Mar. 23.
Carton and manufacturing the same. S. Bergstein. 2,074,357; Mar. 23.
Cartridge and making the same, Explosive. D. B. McCloud. 2,074,553; Mar. 23.
Casing: *See*—
Boiler and smoke breaching casing. Lamp casing.
Casing for universal joints. V. E. Nelson. 2,074,703; Mar. 23.
Casing head. G. B. Kitchel and E. J. Roach. 2,074,923; Mar. 23.
Casting machine. L. Frommer and J. Polak. 2,074,984; Mar. 23.
Casting machine, Typographical. G. P. Kingsbury. 2,074,511; Mar. 23.
Catamenial appliance. P. L. Paterson. 2,074,936; Mar. 23.
Cathode ray modulation indicator. I. Wolff. 2,074,737; Mar. 23.
Cellulosic material, Preparation of. G. W. Miles. 2,074,339; Mar. 23.
Cellulosic pellicle and preparing same. F. C. King. 2,074,336; Mar. 23.
Cellulosic pellicles and preparing same. W. F. Underwood. 2,074,349; Mar. 23.
Centrifugal pump. W. S. Holdaway. 2,074,650; Mar. 23.
Chain: *See*—
Skid chain. Tire chain.
Chair: *See*—
Collapsible chair. Wheel chair.
Toilet chair.
Chair back, Adjustable. I. Salomon. 2,074,621; Mar. 23.
Charge forming device. F. E. Aseltine. 2,074,353; Mar. 23.
Chassis construction, Motor vehicle. G. M. Bicusa. 2,074,533; Mar. 23.
Chest for pressing machines, Inflatable. C. S. Malott, Jr. 2,074,658; Mar. 23.
Chloroplasts, Extracting. R. H. Van Sant. 2,074,441; Mar. 23.
Chucking machine. D. H. Montgomery and R. C. Nelson. 2,074,933; Mar. 23.
Cigarette holder. M. W. Eldridge. 2,074,542; Mar. 23.
Cigarette machine. W. F. M. Edwards. 2,074,783; Mar. 23.
Circuit controlling device, Electric. J. Sachs. 2,074,861; Mar. 23.
Circuit controlling device, Electric. J. Sachs. 2,074,863; Mar. 23.
Circuits for cathode ray tubes. A. W. Vance. 2,074,495; Mar. 23.
Circuits, Television deflecting. A. W. Vance. 2,074,496; Mar. 23.
Circular knitting machine. A. Kaufman. 2,074,999; Mar. 23.
Clamp and producing same, Pressed metal. P. D. Merrill. 2,074,799; Mar. 23.
Clamp for sheet piling. A. H. Hausler. 2,074,905; Mar. 23.
Clamps around hose and similar pipes, Fixing wire. L. S. Saalman and N. Barker. 2,074,593; Mar. 23.
Clay, Method of revivifying. R. A. Carleton. 2,074,456; Mar. 23.
Cleaning device for sewage clarification tanks, Filter bed. W. C. Laughlin and A. B. Asch. 2,074,965; Mar. 23.
Clip: *See*—
Spring clip.
Clip. E. Laursen. 2,074,613; Mar. 23.
Clip connecter. W. H. Brown. 2,074,324; Mar. 23.
Closure apparatus. R. C. Beaver. 2,074,768; Mar. 23.
Closure for batteries. G. W. Heise. 2,074,506; Mar. 23.
Clothes rinsing and drying apparatus. A. C. Schmelzer. 2,074,866; Mar. 23.
Clutch and brake mechanism for looms. J. P. Camps. 2,074,955; Mar. 23.
Clutch mechanism for automobile transmissions. S. O. White and O. E. Fishburn. 2,074,820; Mar. 23.
Coal before coking, Apparatus for preheating. A. G. Witting. 2,074,881; Mar. 23.
Coating, Method and apparatus for. R. J. Wean. 2,074,498; Mar. 23.
Coil handling apparatus. G. H. Rose. 2,074,809; Mar. 23.
Collapsible box. E. M. Black. 2,074,638; Mar. 23.
Collapsible chair. A. Kaufman. 2,074,998; Mar. 23.
Collision absorber. G. J. Haynes. 2,074,469; Mar. 23.
Color cinematography. G. G. Moreno. 2,074,413; Mar. 23.
Coloring material. D. C. Wysor. 2,074,499; Mar. 23.
Coloring matter from wood pulp, Removing. G. Jayme. 2,074,473; Mar. 23
Compartment box. R. V. Burdick. 2,074,639; Mar. 23.
Composition for floors and the like. L. N. Reynolds. 2,074,758; Mar. 23.
Compound of calcium sulphate and urea, Molecular addition. C. W. Whittaker and F. O. Lundstrom. 2,074,880; Mar. 23.
Compressor, High pressure gas. J. H. Feaster. 2,074,543; Mar. 23.
Concrete wall block construction. I. B. Sill. 2,074,813; Mar. 23.
Conduit with end fittings, Flexible. A. E. Brickman and G. A. Gleason. 2,074,770; Mar. 23.
Connecter: *See*—
Clip connecter.
Connecter for electric cables and the like. A. J. Hixon. 2,074,393; Mar. 23.
Connection for a flexible hose. W. B. Pickard and J. C. G. Maxwell. 2,074,425; Mar. 23.
Connection terminal. W. G. Fotsch. 2,074,898; Mar. 23.
Conservatory, Window. H. Thorin. 2,074,872; Mar. 23.
Container: *See*—
Beverage container. Tamperproof container.
Dispensing container.
Container. A. Karlsson-Ygger. 2,074,824; Mar. 23.
Container and closure cap therefor. H. Carew. 2,074,325; Mar. 23.
Container closure. B. F. Conner. 2,074,830; Mar. 23.
Container for pie pans. M. M. Young. 2,074,448; Mar. 23.
Container made of paper M. E. Gazette. 2,074,899; Mar. 23.
Container unit, Food. L. H. Scurlock. 2,074,564; Mar. 23.
Control apparatus and controlling the operation thereof, Proportioning. G. Wünsch. 2,074,882; Mar. 23.
Control device for radio receivers. H. Wünning. 2,074,447; Mar. 23.
Control for airplanes, Level flight. B. G. Carlson. 2,074,828; Mar. 23.
Control for compressors and the like. B. S. Aikman. 2,074,738; Mar. 23.
Control for tractors, Steering and driving. D. B. Baker, C. R. Rogers and N. O. Panzegrau. 2,074,319; Mar. 23.
Control of internal combustion engines. E. L. Müller. 2,074,514; Mar. 23.
Control system. C. Johnson. 2,074,696; Mar. 23.
Control system. H. S. Ogden. 2,074,853; Mar. 23.
Controller for printing presses or the like. H. L. McCleery and A. J. Cline. 2,074,661; Mar. 23.
Conveyer. O. Shackelford. 2,074,595; Mar. 23.
Conveyer driving control. G. Todd. 2,074,599; Mar. 23.
Conveyer, Pneumatic. J. E. Woodruff. 2,074,527; Mar. 23.
Cooker, Electric. O. Hofferbert. 2,074,985; Mar. 23.
Cooler for furnaces, Water. W. P. Chandler. 2,074,576; Mar. 23.
Cooling and dispensing apparatus for kegs. E. C. Clifford. 2,074,365; Mar. 23.
Cooling apparatus. G. C. Coverston. 2,074,642; Mar. 23.
Cooling unit for refrigeration purposes. A. S. Limpart. 2,074,700; Mar. 23.
Cord coating and wrapping machine. C. A. Fourness and J. M. Graef. 2,074,580; Mar. 23.
Cosmetic make-up device. J. Elkins. 2,074,378; Mar. 23.
Cottonseed or the like, Delinting. L. C. Holloman and L. C. Stukenborg. 2,074,788; Mar. 23.
Coupling: *See*—
Hydraulic coupling.
Coupling. N. Chirelstein. 2,074,957–S; Mar. 23.
Coupling. L. Ricefield. 2,074,939–41; Mar. 23.
Cover: *See*—
Auto-seat cover. Vehicle cover.
Ornamental cover.
Cowl for heater stacks, Wind baffle. J. R. Smith. 2,074,491; Mar. 23.
Crate, Fruit or vegetable. F. D. Thompson, Jr. 2,074,598; Mar. 23.
Cubic capacity of hollow articles, Apparatus for determining the. C. B. Dushane, Jr. 2,074,832; Mar. 23.
Cultivator. G. and E. Souza. 2,074,521; Mar. 23.
Current converting system. E. Marx. 2,074,930; Mar. 23.
Current electric power control system, Alternating. A. S. Fitz Gerald. 2,074,836; Mar. 23.
Curtain hanger. C. W. Miller. 2,074,928; Mar. 23.
Cutting machine. O. I. Judelshon. 2,074,846; Mar. 23.
Cyclone dust collector. M. J. Watson. 2,074,818; Mar. 23.
Cylinder-head construction, Internal-combustion engine. R. L. Skinner. 2,074,972; Mar. 23.
Deflection device for cathode-ray tubes. W. A. Tolson. 2,074,764; Mar. 23.
Derrick. D. E. Humphrey. 2,074,548; Mar. 23.
Derrick. J. O. and J. A. Presley. 2,074,427; Mar. 23.
Deviation finder. B. Granville. 2,074,692; Mar. 23.
Die upsetting machine, Open. R. L. Wilcox. 2,074,679; Mar. 23.
Direction finding system. P. D. Lowell. 2,074,408; Mar. 23.
Direction indicator. R. Heinemann. 2,074,907; Mar. 23.
Dispenser: *See*—
Liquid dispenser.
Dispenser for tooth powder and the like. M. H. Sacharow. 2,074,344; Mar. 23.
Dispensing container. E. F. Metcalfe. 2,074,931; Mar. 23.
Dispensing device for slender articles. H. Sadjian. 2,074,674; Mar. 23.
Display device. A. F. Otis. 2,074,420; Mar. 23.
Doll head construction. J. A. Manning. 2,074,659; Mar. 23.
Door check. R. C. Jacobs. 2,074,398; Mar. 23.
Door operator, Swinging. E. H. McCloud. 2,075,000; Mar. 23.

Door, Overhead garage. A. Steiner. 2,074,347; Mar. 23.
Drain trap. C. V. Dame. 2,074,462; Mar. 23.
Drawing mechanism of spinning machines. J. Pilz. 2,074,556; Mar. 23.
Drier: *See*—
Print drier.
Drinking appliance for poultry and the like. F. S. Wright. 2,074,603; Mar. 23.
Drive mechanism. G. W. Grisdale. 2,074,585; Mar. 23.
Drive mechanism, Friction. A. C. Schmelzer. 2,074,868; Mar. 23.
Driving mechanism for control valves of internal combustion engines. P. F. Kipfer. 2,074,588; Mar. 23.
Dry cleaning apparatus. R. A. Hetzer. 2,074,508; Mar. 23.
Duplicating device. H. J. Reardon. 2,074,669; Mar. 23.
Dynamo-electric machine. A. P. Wood. 2,074,822; Mar. 23.
Egg handling machine. F. G. Funk. 2,074,383; Mar. 23.
Eggs, Decorating. F. Dorcey. 2,074,376; Mar. 23.
Electric hand tool, Adapatable H. A. Ungar. 2,074,629; Mar. 23.
Electrical distribution device. J. Sachs. 2,074,862; Mar. 23.
Electron beam tube. J. M. Cage. 2,074,829; Mar. 23.
Electron discharge device. B. Salzberg. 2,074,864; Mar. 23.
Electroresponsive device. H. C. Graves, Jr. 2,074,584; Mar. 23.
Elevator control. E. L. Dunn and D. C. Larson. 2,074,578; Mar. 23.
Elevator indicating system, Electric. A. S. Fitz Gerald. 2,074,835; Mar. 23.
Elevator system. H. Waters and W. F. Glaser. 2,074,575; Mar. 23.
Emulsion and preparing the same, Bituminous. C. L. McKesson. 2,074,731; Mar. 23.
Engine: *See*—
Internal combustion engine.
Engine cooling system. H. S. White. 2,074,631; Mar. 23.
Engine pump jack. W. O. Bechman. 2,074,321; Mar. 23.
Envelope. W. E. Swift. 2,074,949; Mar. 23.
Envelopes, Device for moistening. F. Schuh. 2,074,811; Mar. 23.
Fastener: *See*—
Flexible fastener. Sliding clasp fastener.
Fastener and lock, Hatch cover. W. M. Dwyer. 2,074,464; Mar. 23.
Fasteners, Apparatus for making slide. G. H. C. Corner. 2,074,368; Mar. 23.
Fastening machine. C. B. Thayer. 2,074,995; Mar. 23.
Fence, Portable. J. D. Friend. 2,074,688; Mar. 23.
Filaments of artificial silk and the like, Formation of. R. de Stoutz. 2,074,682; Mar. 23.
Film, Transparent flexible. D. W. Hansen. 2,074,332; Mar. 23.
Fire apparatus. P. Pirsch. 2,074,557; Mar. 23.
Fire extinguisher. E. Haimann. 2,074,648; Mar. 23.
Fire-extinguishing compositions. J. O. Reed. 2,074,938; Mar. 23.
Fire protection system and apparatus, Automatically operable. H. E. Heigis. 2,074,960; Mar. 23.
Fish screen. N. D. Lowe. 2,074,407; Mar. 23.
Flame failure indicator. E. W. Ballentine. 2,074,637; Mar. 23.
Flare. L. L. Driggs, Jr. 2,074,683; Mar. 23.
Flashlight cartridges, Device for firing. A. Kälber. 2,074,652; Mar. 23.
Flexible fastener. S. Quisling. 2,074,369; Mar. 23.
Floor covering. L. L. Larson and D. Lindsay, Jr. 2,074,964; Mar. 23.
Flotation apparatus. M. Kraut. 2,074,403; Mar. 23.
Flotation process. S. Lenher, J. L. Gillson, and C. T. Mentzer, Jr. 2,074,699; Mar. 23.
Fluid placing and pavement raising apparatus. J. W. Poulter. 2,074,756; Mar. 23.
Fluid pressure actuated motor. H. C. Bowen. 2,074,362; Mar. 23.
Fluid pressure brake. C. C. Farmer and E. E. Hewitt. 2,074,743; Mar. 23.
Fluid pressure brake. E. P. Sexton. 2,074,761; Mar. 23.
Fluid pressure control system, Differential. R. S. Bohannan. 2,074,718; Mar. 23.
Fluids, Method of and apparatus for controlling the flow of. H. Zieholz and G. Wilnsch. 2,074,883; Mar. 23.
Foils and artificial products, Manufacture of. M. Hagedorn and A. Ossenbrunner. 2,074,647; Mar. 23.
Folding box. J. E. Ott. 2,074,934; Mar. 23.
Folding table. A. D. Converse. 2,074,981; Mar. 23.
Footwear. J. N. Kimpton. 2,074,697; Mar. 23.
Form retaining means. S. S. Colt. 2,074,460; Mar. 23.
Frame: *See*—
Bag frame.
Friction-clutching device, Centrifugal. H. Junkers. 2,074,510; Mar. 23.
Fruit drier. F. W. and A. B. Cutler. 2,074,740; Mar. 23.
Fuel distributor for Diesel engines. A. A. Snyder. 2,074,437; Mar. 23.
Fuel tank gauge. H. R. Guest. 2,074,959; Mar. 23.
Fuel, Thermostatic control of automobile engine. G. M. Holley and C. S. Kegerreis. 2,074,471; Mar. 23.
Fuels, lubricating oils, and the like, Apparatus for dispensing liquid. A. I. Logette and E. H. Dainton. 2,074,927; Mar. 23.
Furnace: *See*—
Powdered coal furnace. Rotating hearth furnace.
Fuse. N. J. Conrad. 2,074,538; Mar. 23.
Fuse, Drop-out. T. F. Johnson. 2,074,913; Mar. 23.
Fuse, Electric. L. A. Kauffman. 2,074,917; Mar. 23.
Fuse plug. L. A. Kauffman. 2,074,918; Mar. 23.
Fuse, Renewable. L. A. Kauffman. 2,074,919; Mar. 23.
Fuse with indicator, Dual. L. A. Kauffman. 2,074,400; Mar. 23.
Game apparatus. B. Radtke. 2,074,560; Mar. 23.
Garment. M. C. Bantz. 2,074,975; Mar. 23.
Garment, Combination. R. F. Cotey and C. H. Fleck. 2,074,776; Mar. 23.
Gas, Apparatus for metering. C. F. Wallace and G. D. Peet. 2,074,950; Mar. 23.
Gas burner. J. Becvar. 2,074,531; Mar. 23.
Gas recirculation and tar heater operation, Combined inert. G. T. Gambrill, Jr. 2,074,689; Mar. 23.
Gases containing hydrocarbons in electric arcs, Working up. P. Baumann, R. Stadler, and H. Schilling. 2,074,530; Mar. 23.
Gasket. J. F. Gordon. 2,074,388; Mar. 23.
Gasoline, Recovery and stabilization of. D. G. Brandt. 2,074,978; Mar. 23.
Gate for irrigation pipes and the like. S. Frey. 2,074,607; Mar. 23.
Gate for irrigation pipes, Sheet metal. H. F. Congable. 2,074,502; Mar. 23.
Gate latch. D. W. Richards. 2,074,759; Mar. 23.
Gauge: *See*—
Fuel tank gauge.
Gauge. J. McClain. 2,074,753; Mar. 23.
Gear-change, Pedal-operated automatic. L. J. Massolo. 2,074,797; Mar. 23.
Gear drive and flexible rollable belt. G. H. Fraser. 2,074,328; Mar. 23.
Gear drive or flexible rollable belt. G. H. Fraser. 2,074,837; Mar. 23.
Generator for water gas machines, Mechanical. C. H. Hughes. 2,074,472; Mar. 23.
Gland extracts, Purification of. W. W. Swingle and J. J. Pfiffner. 2,074,493; Mar. 23.
Glory hole. C. T. Stewart. 2,074,974; Mar. 23.
Glove. C. L. Dunn. 2,074,893; Mar. 23.
Glove and garment, Apiarist's. E. C. Green. 2,074,390; Mar. 23.
Glove, Dermatoid. F. R. Seyfried. 2,074,762; Mar. 23.
Goblet stem forming tool, Glass. L. W. Games. 2,074,784; Mar. 23.
Golf shaft and making the same, Welded sheet metal. H. C. Lagerblade. 2,074,087; Mar. 23.
Golf shafts and welding shim therefor, Making welded sheet metal. H. C. Lagerblade. 2,074,986; Mar. 23.
Golf tee. E. A. Shephard. 2,074,519; Mar. 23.
Grader. N. E. Jersey. 2,074,962; Mar. 23.
Grader, Road. G. D. Shaeffer. 2,074,565; Mar. 23.
Graining. W. G. Bihler and H. J. Schuldt. 2,074,532; Mar. 23.
Graining machine. C. Zarkin. 2,074,633; Mar. 23.
Grease retaining device. H. R. Gotthardt and E. C. Logan. 2,074,901; Mar. 23.
Guard, Road. A. E. Brickman and G. A. Gleason. 2,074,771; Mar. 23.
Guide, Drawer. J. Cummings and E. H. Sheldon. 2,074,371; Mar. 23.
Guide for sewing machine, Work. E. V. Tolen and C. B. Harbstreit. 2,074,572; Mar. 23.
Guide for use in driving sheet piling. A. H. Hausler. 2,074,906; Mar. 23.
Gun, Grease. N. V. Smith and C. W. Stoll. 2,074,570; Mar. 23.
Gypsum, Apparatus for producing high strength calcined. W. S. Randel, M. C. Dailey, and W. M. McNeil. 2,074,937; Mar. 23.
Hair curling device. A. Lasity. 2,074,405; Mar. 23.
Hair waving device. L. Trotter. 2,074,816; Mar. 23.
Hanger: *See*—
Curtain hanger.
Hanger for automobiles, Hat and coat. R. C. Look. 2,074,615; Mar. 23.
Hanger for walking beams. D. E. Humphrey. 2,074,549; Mar. 23.
Hat or cap, Safety. A. A. Strauss. 2,074,627; Mar. 23.
Heat exchange and air washing device. W. Noble. 2,074,801; Mar. 23.
Heat exchange device. W. Noble. 2,074,802; Mar. 23.
Heat exchange device. W. Noble. 2,074,967; Mar. 23.
Heat treatment of steel for resistance to creep. G. H. Wright. 2,074,823; Mar. 23.
Heater and heat deflector attachment for furnaces, Combined water. R. F. Sturgis. 2,074,948; Mar. 23.
Heating device for gynecological purposes, Tubular. H. Ackermann. 2,074,634; Mar. 23.
Heating device for limb extremities. M. and A. Geria. 2,074,838; Mar. 23.
Heating element for drying apparatus. A. Bergmann. 2,074,452; Mar. 23.
Hitch to tractors, Planter machine. C. Opolo. 2,074,419; Mar. 23.

Hoist. F. A. Jimerson. 2,074,695; Mar. 23.
Holder: *See*—
Bait holder. Cigarette holder.
Bottle holder. Nozzle holder.
Holder and dispenser, Cigarette. A. G. Krause. 2,074,925; Mar. 23.
Holder for sewing machine needles. P. J. Scoma. 2,074,942; Mar. 23.
Hydraulic brake, Equalized. H. C. Bowen. 2,074,361; Mar. 23.
Hydraulic coupling. H. Sinclair. 2,074,346; Mar. 23.
Hydrocarbons from gases, Extracting and recovering volatile. H. E. Drennan. 2,074,644; Mar. 23.
Hydroxyaryl-alkyl and aralkyl sulphides. E. Miller. 2,074,851; Mar. 23.
Ice vending machine. M. T. Zeigler. 2,074,351; Mar. 23.
Impression receiving device. J. A. Paasche. 2,074,855; Mar. 23.
Indicating device for flaw detector mechanism. F. D. Braddon. 2,074,739; Mar. 23.
Indicating fuse plug. L. A. Kauffman. 2,074,916; Mar. 23.
Indicator: *See*—
Cathode ray modulation indicator. Direction indicator.
Flame failure indicator.
Indicator. J. D. Durant. 2,074,895; Mar. 23.
Indicator attachment for fuses. L. A. Kauffman. 2,074,921; Mar. 23.
Indicator for fuses. L. A. Kauffman. 2,074,920; Mar. 23.
Ink to ink transfer members, Supplying. G. E. Pelton. 2,074,969; Mar. 23.
Ink to ink transfer members, Supplying. G. E. Pelton. 2,074,970; Mar. 23.
Insole and making same. H. Warren. 2,074,444; Mar. 23.
Interiorly illuminated sign. R. G. Regester. 2,074,671; Mar. 23.
Internal combustion engine. G. R. Rich. 2,074,859; Mar. 23.
Intestinal irritations, Apparatus for. F. F. D. Suarez de Mendoza. 2,074,374; Mar. 23.
Iron, Curling. E. Clein. 2,074,364; Mar. 23.
Jack: *See*—
Engine pump jack. Pumping jack.
Joint. G. H. Hufferd and M. P. Graham. 2,074,748; Mar. 23.
Jug and drinking receptacle support. A. S. Knapp. 2,074,589; Mar. 23.
Keying. H. Feussner. 2,074,687; Mar. 23.
Kite. H. J. de Courcy. 2,074,327; Mar. 23.
Knitting machine. W. L. Smith, Jr., and R. H. Lawson. 2,074,973; Mar. 23.
Lace-tipping machine. H. D. Regar. 2,074,670; Mar. 23.
Lamp: *See*—
Luminous reflecting lamp.
Lamp and heater. J. S. Scharf. 2,074,865; Mar. 23.
Lamp casing, Portable electric. L. O. Brown. 2,074,536; Mar. 23.
Lamp for irradiating purposes, Arc. M. Volmer. 2,074,600; Mar. 23.
Latch: *See*—
Gate latch.
Latch and striker construction. S. Brantingson. 2,074,979; Mar. 23.
Latch for pin game apparatus, Ball elevator. B. E. Mills. 2,074,513; Mar. 23.
Latex, Concentrating. D. F. Twiss and E. W. B. Owen. 2,074,494; Mar. 23.
Launder method for separating and sorting materials. B. M. Bird, B. D. Thomas, and J. W. Rea. 2,074,977; Mar. 23.
Lead extrusion apparatus. C. A. Piercy and E. L. Crandall. 2,074,856; Mar. 23.
Level and plumb indicating device. H. Schuettinger. 2,074,563; Mar. 23.
Lifter: *See*—
Pot lifter.
Light: *See*—
Search light.
Light-sensitive cell manufacture. C. S. Treacy. 2,074,676; Mar. 23.
Lightning corrector. B. E. O'Hagan. 2,074,755; Mar. 23.
Lingerie pin. B. L. Blake. 2,074,359; Mar. 23.
Liquid dispenser. W. P. Myron. 2,074,554; Mar. 23.
Liquid dispensing apparatus. C. M. Drinkwater. 2,074,541; Mar. 23.
Location tool. D. A. Roberts. 2,074,990; Mar. 23.
Lock: *See*—
Tie lock. Window sash lock.
Lock device. H. L. Spaunburg. 2,074,625; Mar. 23.
Locking means for fluid pressure motors. F. V. Brown. 2,074,772; Mar. 23.
Locking mechanism. P. Ziomek and T. Kowalski. 2,074,449; Mar. 23.
Lubricating device. A. Y. Dodge. 2,074,503; Mar. 23.
Lubricating system. F. E. Dayes. 2,074,373; Mar. 23.
Lubrication. C. K. Sharp. 2,074,943; Mar. 23.
Luminous reflecting lamp. C. Birdseye. 2,074,888; Mar. 23.
Machine and method for making tubular containers. S. Bergstein. 2,074,886; Mar. 23.
Machine for making match books. W. C. Huguley. 2,074,694; Mar. 23.
Magneto. K. A. Harmon and T. G. Louis. 2,074,545; Mar. 23.
Material for packaging, Preparing. O. T. Thompson. 2,074,571; Mar. 23.
Material into predetermined and finished shapes, Method and apparatus for transforming bendable. D. K. Hopkins. 2,074,789; Mar. 23.
Materials, Apparatus for conditioning. G. E. Henning. 2,074,391; Mar. 23.
Materials, Apparatus for treating. J. W. Weitzenkorn. 2,074,819; Mar. 23.
Measuring device. D. W. Uber. 2,074,524; Mar. 23.
Medicinal compound. W. W. Swingle and J. J. Pfiffner. 2,074,492; Mar. 23.
Metal, Apparatus for coating sheet. J. R. McElhaney and R. Stoker. 2,074,798; Mar. 23.
Metal articles, Making composite. P. A. E. Armstrong. 2,074,352; Mar. 23.
Metalworking machine. C. H. Hill. 2,074,844; Mar. 23.
Metals by smelting compounds thereof, Production of. F. Hansgirg. 2,074,726; Mar. 23.
Metals, Treating. H. R. Belding. 2,074,954; Mar. 23.
Mill for pepper, salt, sugar, coffee, and the like. J. Mantelet. 2,074,795; Mar. 23.
Mill trains, Continuously tensioned tandem cold. J. B. Tytus and E. B. Hudson. 2,074,873; Mar. 23.
Mixer: *See*—
Motor driven mixer.
Mixing machine. A. J. Sackett. 2,074,673; Mar. 23.
Modulator. G. L. Usselman. 2,074,440; Mar. 23.
Mold for frozen confections. B. L. York. 2,074,500; Mar. 23.
Molten material as heat transferring medium, Utilization of. M. H. Arveson. 2,074,529; Mar. 23.
Motor: *See*—
Fluid pressure actuated motor.
Motor driven mixer. L. N. Smith. 2,074,708; Mar. 23.
Motor interlock system, Plural. C. L. Farrand. 2,074,686; Mar. 23.
Muffler, Refrigerator compressor. W. R. Mittendorf and R. H. Money. 2,074,932; Mar. 23.
Multiple tube pump. C. M. Peters. 2,074,486; Mar. 23.
Nail, Lead-headed. R. E. Camp and J. J. Strysik. 2,074,773–5; Mar. 23.
Necktie. A. Hediger. 2,074,908; Mar. 23.
Necktie retainer. G. E. Brokering. 2,074,535; Mar. 23.
Needle, Netting. O. H. von Bargen. 2,074,817; Mar. 23.
Net, Game board. J. J. and W. K. L. McCullough. 2,074,850; Mar. 23.
Nozzle, Cleaning. F. Patalano. 2,074,666; Mar. 23.
Nozzle holder. H. W. Dawson. 2,074,326; Mar. 23.
Numerical comparator. J. A. Herbst. 2,074,392; Mar. 23.
Nutcracker. G. M. Krag. 2,074,337; Mar. 23.
Nut unable to work loose, Expansible. M. B. De Launay. 2,074,779; Mar. 23.
Nuts, Making. R. L. Wilcox. 2,074,678; Mar. 23.
Oil, Textile fiber spraying. R. F. Nelson. 2,074,555; Mar. 23.
Oils, Low boiling hydrocarbon. C. L. Gutzeit. 2,074,467; Mar. 23.
Oils, Lubricating. B. H. Lincoln and A. Henriksen. 2,074,338; Mar. 23.
Oils, Treatment of hydrocarbon. L. de Florez. 2,074,539; Mar. 23.
Organ tremolo. G. M. Quave. 2,074,428; Mar. 23.
Orifices for drip-free containers, Treating pouring. R. E. Ford. 2,074,382; Mar. 23.
Ornamental cover. L. K. Stupell. 2,074,994; Mar. 23.
Ornaments, illumination devices, and so forth, Device for holding. M. Domenego. 2,074,643; Mar. 23.
Oscillator, Dynatron. P. O. Farnham. 2,074,465; Mar. 23.
Pad for ophthalmic mountings, Nose. N. Sandberg. 2,074,675; Mar. 23.
Pail attachment. J. M. MacDonald. 2,074,657; Mar. 23.
Paper, Method and device for forming. L. E. Poole. 2,074,705; Mar. 23.
Paste, Apparatus for drying short alimentary. N. J. Cavagnaro. 2,074,458; Mar. 23.
Pawl, Spring controlled feed. A. W. Hilton. 2,074,910; Mar. 23.
Pencil. E. B. Whitney. 2,074,632; Mar. 23.
Photographic pack. H. Casler. 2,074,890; Mar. 23.
Photographs and the resulting article, Treating. A. C. Raffo. 2,074,858; Mar. 23.
Picture reproducing apparatus, Auxiliary. F. G. Salcedo. 2,074,991; Mar. 23.
Pin: *See*—
Lingerie pin.
Pin for pianos, Tuning. R. Schulze. 2,075,001; Mar. 23.
Pipe: *See*—
Smoking pipe.
Pipes, Apparatus for coating. K. T. Potthoff. 2,074,935; Mar. 23.
Piston for engines. R. G. Frye. 2,074,581; Mar. 23.
Piston ring ridge remover. C. C. Petersen. 2,074,424; Mar. 23.
Plane, Bodily movable. H. L. Adams. 2,074,766; Mar. 23.
Plates and shells, Method and apparatus for producing electrotype. R. L. Kelley, Sr. 2,074,335; Mar. 23.
Plug: *See*—
Fuse plug. Indicating fuse plug.
Plugs from batteries, Method and apparatus for removing charging. A. O. Codney. 2,074,681; Mar. 23.

Plunger, Pump. W. H. Rood. 2,074,591; Mar. 23.
Plywood, Bent. O. R. Owens. 2,074,854; Mar. 23.
Pocketknife. R. J. Christy. 2,074,640; Mar. 23.
Post card. L. Wissmann. 2,074,821; Mar. 23.
Pot lifter. G. P. Randolph. 2,074,429; Mar. 23.
Powdered coal furnace. W. H. Fitch. 2,074,504; Mar. 23.
Power producing apparatus, Motive. A. Wilstam. 2,074,602; Mar. 23.
Power transmission, Variable speed. W. A. Duffield. 2,074,781; Mar. 23.
Power transmitting mechanism, Hydraulic. E. Gölz. 2,074,583; Mar. 23.
Power unit. J. W. MacClatchie. 2,074,702; Mar. 23.
Pressing and ironing machine. A. Matthews. 2,074,410; Mar. 23.
Pressing machine. F. M. Watkins. 2,074,877; Mar. 23.
Pressure de-equalizer or mechanical balloon for use in giving buoyancy to air vehicles, Atmospheric. O. K. Quast. 2,074,343; Mar. 23.
Pretzels, Method and machine for forming. G. H. Hartman and J. S. Burden. 2,074,904; Mar. 23.
Propeller. W. J. Symons. 2,074,871; Mar. 23.
Propeller blade, Adjustable area. E. W. Reed. 2,074,807; Mar. 23.
Protective means, Low voltage, phase failure, and phase reversal. G. C. Brown and E. W. Seeger. 2,074,454; Mar. 23.
Puller: *See*—
Wheel puller.
Pump: *See*—
Centrifugal pump. Multiple tube pump.
Pump. T. R. Alley. 2,074,450; Mar. 23.
Pump and valve assembly. D. H. Reed. 2,074,430; Mar. 23.
Pump for gases and liquids, Piston. P. Herbst. 2,074,787; Mar. 23.
Pumping jack. D. E. Humphrey. 2,074,550; Mar. 23.
Pumping system. C. A. Roeder. 2,074,618; Mar. 23.
Punctures in pneumatic tires, Repairing. W. Kruse. 2,074,926; Mar. 23.
Pyranthrones and making, Brominated. M. H. Fleysher and J. Ogilvie. 2,074,381; Mar. 23.
Pyrene compounds. J. Ebersberger. 2,074,645; Mar. 23.
Rack: *See*—
Refrigerator cabinet door rack.
Radio antenna. H. E. Sjöstrand. 2,074,944; Mar. 23.
Radio dial construction. J. Dreyfus. 2,074,577; Mar. 23.
Radio-phono-telephonic system. L. P. Durand. 2,074,894; Mar. 23.
Radio receiver, Midget. P. S. Beshore. 2,074,887; Mar. 23.
Radio receiver, Multiband. C. Mountjoy. 2,074,800; Mar. 23.
Rail bond, Electric. E. A. Everett. 2,074,379; Mar. 23.
Rail flaw detector mechanism, H. C. Drake. 2,074,741–2; Mar. 23.
Razor. E. B. Fernberg. 2,074,544; Mar. 23.
Receptacles, Manufacturing closed. A. O. Ross. 2,074,860; Mar. 23.
Recording device for telephones. H. F. Murphy. 2,074,754; Mar. 23.
Reed, Lease forming. S. J. Adams. 2,074,635; Mar. 23.
Reel. H. S. Orr. 2,074,968; Mar. 23.
Refrigerating apparatus. H. J. Dick. 2,074,375; Mar. 23.
Refrigerating apparatus. H. B. Hull. 2,074,911; Mar. 23.
Refrigerating apparatus. E. F. Schweller. 2,074,435; Mar. 23.
Refrigerating apparatus. H. M. Williams. 2,074,526; Mar. 23.
Refrigeration. J. R. Killen. 2,074,402; Mar. 23.
Refrigeration system, Precooling. L. C. Lee. 2,074,614; Mar. 23.
Refrigerator. R. H. Starr and C. Masters. 2,074,870; Mar. 23.
Refrigerator body construction. G. R. Seeger. 2,074,436; Mar. 23.
Refrigerator cabinet door rack. E. W. Gentz. 2,074,785; Mar. 23.
Regulating system. J. L. Stratton. 2,074,947; Mar. 23.
Regulator: *See*—
Voltage regulator.
Resin, Synthetic. G. De W. Graves. 2,074,786; Mar. 23.
Resinous compositions and making same. D. E. Edgar. 2,074,782; Mar. 23.
Resinous compositions and making same. W. W. Smith. 2,074,814; Mar. 23.
Resins, Process for the manufacture of artificial. H. Hönel. 2,074,509; Mar. 23.
Retainer for sanitary toilet seat covers. R. A. Bachmann. 2,074,318; Mar. 23.
Ribbon, Ink conveyer. G. E. Pelton. 2,074,971; Mar. 23.
Rig, Combination well drilling. G. E. Seals. 2,074,594; Mar. 23.
Road-grader moldboard control means. I. M. Wells. 2,074,601; Mar. 23.
Roll, Electric heating and drying. R. A. Carleton. 2,074,455; Mar. 23.
Roofing, Apparatus for surfacing. J. L. Wettlaufer. 2,074,445; Mar. 23.
Rope, Wire. F. C. Carstarphen. 2,074,956; Mar. 23.
Rotating hearth furnace. G. S. McLay. 2,074,662; Mar. 23.
Rubber insulation, High tension. C. R. Boggs. 2,074,826; Mar. 23.
Rubber, Treating. R. L. Sibley. 2,074,993; Mar. 23.
Rudder. H. L. Adams. 2,074,765; Mar. 23.
Rule cutting machine. M. D. Kessel. 2,074,922; Mar. 23.
Safety device, Compensating volume control. E. B. Brannan. 2,074,889; Mar. 23.
Safety device for wind driven generators. J. R. and G. H. Albers. 2,074,952; Mar. 23.
Sanding and polishing machine. J. T. Lindsey. 2,074,479; Mar. 23.
Scale. G. Beisser. 2,074,684; Mar. 23.
Scale, Spring. R. S. Tatum. 2,074,628; Mar. 23.
Scale, Weighing. T. B. Flanagan. 2,074,983; Mar. 23.
Scalp cleansing device. E. A. and F. A. Macmullen. 2,074,481; Mar. 23.
Screen: *See*—
Fish screen. Woven wire screen.
Screen shaking mechanism. D. C. Porter. 2,074,733; Mar. 23.
Screw cutting machine. R. Herrmann. 2,074,470; Mar. 23.
Seal, Oil. C. R. Rogers. 2,074,672; Mar. 23.
Search light, Dirigible. J. Kolb. 2,074,404; Mar. 23.
Seat and luggage compartment for railway parlor cars, Combined. W. F. Connal. 2,074,461; Mar. 23.
Seat for ladder truck trailers, Tillerman's. P. Pirsch. 2,074,558; Mar. 23.
Selecting system. W. C. Peterman. 2,074,423; Mar. 23.
Semaphore, Automobile. W. B. Summerall. 2,074,522; Mar. 23.
Separator. V. M. Pyatt. 2,074,515; Mar. 23.
Separator for compressors, Oil. W. F. Borgerd. 2,074,323; Mar. 23.
Sewing machine. A. W. MacBride. 2,074,849; Mar. 23.
Sewing machine. E. Prazak. 2,074,488; Mar. 23.
Sewing machine, Blind stitch. J. Mann. 2,074,793; Mar. 23.
Sewing machine for the manufacture of gloves. W. Lindner. 2,074,655; Mar. 23.
Sewing machines, Circular stitching guide for. F. Richardson. 2,074,760; Mar. 23.
Shaft counterbalance. J. A. Lyne, R. G. De La Mater, and J. M. Cooper. 2,074,792; Mar. 23.
Shaving preparation. R. H. Fash. 2,074,833; Mar. 23.
Sheet feeding mechanism for printing machines. W. K. Eckhard. 2,074,720; Mar. 23.
Sheet handling and feeding apparatus. V. T. Grover. 2,074,330; Mar. 23.
Sheets and other shapes from molten metal, Production of. T. Sendzimir. 2,074,812; Mar. 23.
Shelving or bin structure. J. R. Jones. 2,074,915; Mar. 23.
Shingles, Making thick butt. C. R. Eckert. 2,074,684; Mar. 23.
Shock absorber. R. I. Bates. 2,074,355; Mar. 23.
Shoe soles, Apparatus for attaching. S. J. Finn. 2,074,834; Mar. 23.
Shoe structure. A. Fesl. 2,074,579; Mar. 23.
Shoe uppers, Manufacture of. C. A. Bearce and H. L. Sawyer. 2,074,356; Mar. 23.
Shutter, Projection. L. J. Andres. 2,074,636; Mar. 23.
Shuttle truing machine. F. O. Gibbs. 2,074,582; Mar. 23.
Sieve. J. Mantelet. 2,074,794; Mar. 23.
Sign: *See*—
Interiorly illuminated sign.
Signal: *See*—
Synthetic tone signal.
Signal. K. J. Mislin. 2,074,412; Mar. 23.
Signal device for electric appliances. H. Smith. 2,074,569; Mar. 23.
Signal means for the coin slide of a coin controlled apparatus. K. C. Shyvers. 2,074,567; Mar. 23.
Signal system, Self-actuated traffic. B. M. Walpole. 2,074,443; Mar. 23.
Silo. F. F. Rowell. 2,074,592; Mar. 23.
Skid chain. G. L. Briggs. 2,074,534; Mar. 23.
Slab, Fireproofing. C. F. Davis. 2,074,463; Mar. 23.
Sliding clasp fastener. A. Schweinburg and F. Waschiczeck. 2,074,624; Mar. 23.
Smokehouse for smoking, curing, and processing meats, Construction and improvement of a. G. J. Skvor. 2,074,945; Mar. 23.
Smoking pipe. C. L. Carter. 2,074,457; Mar. 23.
Snowmobile. A. G. Grant. 2,074,389; Mar. 23.
Socket and reflector, Combined. J. Weritz. 2,074,879; Mar. 23.
Socket, Radio and like. C. L. Knutson. 2,074,791; Mar. 23.
Sole and heel for footwear. M. R. Halder. 2,074,331; Mar. 23.
Solvent extraction, Apparatus for. W. J. O'Brien and R. C. Breet. 2,074,988; Mar. 23.
Sound, Method and apparatus for recording and reproducing. P. Lohn and A. Cortella. 2,074,406; Mar. 23.
Sound recording apparatus. O. A. Ross. 2,074,516; Mar. 23.
Spark advance for magnetos. W. O. Bechman. 2,074,322; Mar. 23.
Speed change device. F. W. Faltermayer. 2,074,997; Mar. 23.
Spout adapted for use with centrifugal casting machines, Pouring. L. A. Camerota. 2,074,537; Mar. 23.

Spraying device. C. T. Patterson. 2,074,421; Mar. 23.
Spring clip. A. E. Jesser. 2,074,475; Mar. 23.
Spring suspension. C. De Los Rice. 2,074,489; Mar. 23.
Staging, Safety. W. A. Heinrich, C. A. Fox, and E. J. Deright. 2,074,586; Mar. 23.
Stapling machine. H. M. Kinslow. 2,074,611; Mar. 23.
Steam purifying device. J. Goldstein. 2,074,505; Mar. 23.
Steam trap. G. F. Gerdts. 2,074,690; Mar. 23.
Steering wheel, Adjustable. J. T. Hughes. 2,074,334; Mar. 23.
Stoker. J. G. Malone. 2,074,409; Mar. 23.
Stop for automobile doors, Door. H. D. Geyer. 2,074,385; Mar. 23.
Striper, Highway. E. T. Schroth. 2,074,623; Mar. 23.
Structural assembly. P. A. Voigt. 2,074,497; Mar. 23.
Stub ejector means for cigarette and cigar holders. F. L. Feuerbach. 2,074,466; Mar. 23.
Support: *See*—
Jug and drinking receptacle support.
Support for bicycles. E. F. Pawsat. 2,074,422; Mar. 23.
Supporting and utility structure, Adjustable. A. Demcak. 2,074,780; Mar. 23.
Supporting structure. W. J. Masoner. 2,074,660; Mar. 23.
Surfacing units, Apparatus for manufacturing. H. J. Little. 2,074,966; Mar. 23.
Suspension means for road vehicles. L. R. Hooper. 2,074,609; Mar. 23.
Switch: *See*—
Temperature responsive switch.
Switch. J. Schmidinger. 2,074,345; Mar. 23.
Synthetic tone signal. F. von Voigtlander. 2,074,875; Mar. 23.
Syringe for veterinary uses, Drench. G. P. Kauzal. 2,074,401; Mar. 23.
Table: *See*—
Folding table.
Table equipment, Dining. E. J. Braun. 2,074,769; Mar. 23.
Table for box lidding machines, Mailing. H. E. Twomley. 2,074,573; Mar. 23.
Tag ring for hangers. A. Haimowitz. 2,074,841; Mar. 23.
Tamperproof container. S. Schwartz. 2,074,490; Mar. 23.
Tank assemblage. F. G. Thwaits. 2,074,523; Mar. 23.
Telephone, Desk. H. F. Obergfell. 2,074,415; Mar. 23.
Temperature in rooms, Apparatus for controlling the. C. L. Butler. 2,074,827; Mar. 23.
Temperature responsive switch. B. Radtke. 2,074,559; Mar. 23.
Temperatures, Measurement of high. W. J. Clark. 2,074,641; Mar. 23.
Testing apparatus. M. M. Cunningham. 2,074,372; Mar. 23.
Thermocompressor. J. A. MacLean. 2,074,480; Mar. 23.
3(N-sodium formaldehyde sulphoxylate) amino-4-hydroxyphenyl-arsonic acid. G. W. Raiziss and A. I. Kremens. 2,074,757; Mar. 23.
Tie, Form. G. W. Hoffer. 2,074,394; Mar. 23.
Tie lock. N. C. Hampton. 2,074,903; Mar. 23.
Tire chain, Automobile. E. J. Martel. 2,074,616; Mar. 23.
Tires, Method and composition for preventing flat. H. P. Wagner. 2,074,876; Mar. 23.
Toilet chair, Bedside safety. M. P. Short. 2,074,596; Mar. 23.
Tool: *See*—
Boring tool. Gobiet stem forming tool.
Electric hand tool. Location tool.
Tool feeding mechanism, Machine. W. G. Hoelscher. 2,074,961; Mar. 23.
Tool head, Boring and facing. C. B. Cole and O. L. Lewis. 2,074,459; Mar. 23.
Tool or the like, Gardening. J. K. Gilkerson. 2,074,691; Mar. 23.
Top for automobiles, Auxiliary. A. Sa Couto. 2,074,620; Mar. 23.
Topper, Fruit or vegetable. W. E. Urschel. 2,074,677; Mar. 23.
Tower, Cooling and absorption. M. A. Knight and F. M. Klein. 2,074,551; Mar. 23.
Toy, Aeroplane. F. W. Weber. 2,074,878; Mar. 23.
Toy, Astronomical. R. J. Burke. 2,074,363; Mar. 23.
Transmission for vehicle brakes, Hydraulic. E. M. Morehouse. 2,074,617; Mar. 23.
Transmission regulation. S. B. Wright. 2,074,446; Mar. 23.
Transmitter. D. Prinz and F. Herriger. 2,074,857; Mar. 23.
Trap: *See*—
Drain trap. Steam trap.
Tray, Refrigerator. C. M. Hartman. 2,074,546; Mar. 23.
Trimming machine. H. M. Hessenbruch. 2,074,547; Mar. 23.
Trousers display device. M. P. Kohl. 2,074,924; Mar. 23.
Truck for tractors, Substitute front. G. W. Engstrom. 2,074,685; Mar. 23.
Truck, Industrial. F. Stoner. 2,074,946; Mar. 23.
Truck, Rail car. W. B. Dean. 2,074,891; Mar. 23.
Tube: *See*—
Electron beam tube.
Tube splicing method. G. B. Nichols. 2,074,485; Mar. 23.
Tuyère, Blast furnace. J. B. Henry. 2,074,507; Mar. 23.
Twister ring, Lubricating. A. P. Lewis. 2,074,654; Mar. 23.
Typewriter. H. Decker. 2,074,778; Mar. 23.
Typewriting machine. W. F. Helmond. 2,074,333; Mar. 23.
Upholstery, Stuffed pleated. A. S. Mitchell. 2,074,663; Mar. 23.
Upsetting machine. R. L. Wilcox. 2,074,680; Mar. 23.
Valve: *See*—
Ball check valve.
Valve. J. G. Gibson. 2,074,839; Mar. 23.
Valve. E. E. Hewitt. 2,074,746; Mar. 23.
Valve and valve gear for internal combustion engines. W. P. Porter. 2,074,487; Mar. 23.
Valve assembly. A. E. Ramclow. 2,074,706; Mar. 23.
Valve circuit arrangement, Thermionic. H. M. Dowsett and E. F. Goodenough. 2,074,831; Mar. 23.
Valve unit, Flush. J. D. Langdon. 2,074,698; Mar. 23.
Vapor condensing device. E. N. Wood. 2,074,350; Mar. 23.
Vehicle. E. S. Meehan. 2,074,484; Mar. 23.
Vehicle controlling apparatus, Automatic. W. C. Graves, Jr. 2,074,902; Mar. 23.
Vehicle cover. E. C. Bixel and T. C. Smith. 2,074,358; Mar. 23.
Vehicle springing system. E. H. Piron. 2,074,340; Mar. 23.
Vending machine. S. C. Ide. 2,074,845; Mar. 23.
Veneering construction. E. J. and H. W. Mason. 2,074,483; Mar. 23.
Venetian-blind head bar. S. Hammer. 2,074,842; Mar. 23.
Vent mechanism. E. R. Gieseman. 2,074,329; Mar. 23.
Ventilating and air treating provision. A. Sargent and A. C. Armstrong. 2,074,622; Mar. 23.
Vibrometer. T. Y. Olsen. 2,074,417; Mar. 23.
Voltage regulator. F. G. Logan. 2,074,552; Mar. 23.
Volume and bass tone compensation control device, Combined. W. H. Nelson. 2,074,852; Mar. 23.
Wall for railway cars. E. E. Schlesinger. 2,074,433; Mar. 23.
Wall for railway cars. W. J. Tangerman. 2,074,439; Mar. 23.
Wall or roof construction. F. Lühl. 2,074,656; Mar. 23.
Walls, Repairing defective masonry. W. J. Shells. 2,074,566; Mar. 23.
Washing and drying machine, Combined. A. C. Schmelzer. 2,074,867; Mar. 23.
Washing machine with a centrifugal drier, Method and apparatus for coupling a. A. C. Schmelzer. 2,074,869; Mar. 23.
Watch. J. R. Putnam. 2,074,734; Mar. 23.
Watch. R. H. Whitehead. 2,074,525; Mar. 23.
Water heating system, Convertible. J. Orban. 2,074,989; Mar. 23.
Wave detector, Short. E. G. Linder. 2,074,478; Mar. 23.
Wear plate assembly. W. J. Fendner. 2,074,722; Mar. 23.
Wear plate assembly. F. Schaefer. 2,074,707; Mar. 23.
Weir shutter, Hydrostatic. F. Jermáf. 2,074,610; Mar. 23.
Welding rods, Making. E. E. Tross. 2,074,712; Mar. 23.
Well. C. H. Hutto. 2,074,912; Mar. 23.
Wells, Apparatus for producing. J. E. Gosline. 2,074,608; Mar. 23.
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Steering wheel.
Wheel. E. H. Piron. 2,074,341; Mar. 23.
Wheel chair. J. Larsen. 2,074,653; Mar. 23.
Wheel for disk harrows and disk plows, Spacing balance. C. Opolo. 2,074,418; Mar. 23.
Wheel puller. H. Herkimer. 2,074,649; Mar. 23.
Wheels, Making. T. F. Brackett. 2,074,453; Mar. 23.
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Window and sash construction. O. M. Edwards. 2,074,377; Mar. 23.
Window sash lock. B. F. Cline. 2,074,501; Mar. 23.
Wire and the like, Making. E. E. Tross. 2,074,713; Mar. 23.
Wood wool, Production of. M. Lederer. 2,074,590; Mar. 23.
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Woven wire screen. S. H. Palmer. 2,074,665; Mar. 23.
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Wrapping machine. J. Derry. 2,074,892; Mar. 23.
Yarn, Manufacture of. M. Hain. 2,074,468; Mar. 23.
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CLASSIFICATION OF PATENTS

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Flour Mills Co., The, Oklahoma City, Okla. Wheat flour. Serial No. 387,426; Mar. 30. Class 46.

Admiration Products Co. (See Levine, Louis.)

Affiliated Enterprises, Inc., Denver, Colo. Watermarked printing paper. Serial No. 386,923; Mar. 30. Class 37.

Agfa Ansco Corporation, Binghamton, N. Y. Photographic cameras. Serial No. 386,838; Mar. 30. Class 26.

Al-Lon Manufacturing Co., Inc., Baltimore, Md. Perfumed deodorizing chemical liquid. Serial No. 388,216; Mar. 30. Class 6.

American-National Company, The, Toledo, Ohio. Sleds. Serial No. 384,780; Mar. 30. Class 22.

Anchor Manufacturing Co., Boston, Mass. Electrical wiring devices. Serial No. 387,650; Mar. 30. Class 21.

Anderman-Bob Burns, Inc., New York, N. Y. Dresses. Serial No. 388,427; Mar. 30. Class 39.

Annette Island Canning Co., Ketchikan, Alaska, and Seattle, Wash. Canned salmon. Serial No. 387,260; Mar. 30. Class 46.

Atlas Powder Company, Wilmington, Del. Explosives. Serial No. 388,750; Mar. 30. Class 9.

Atwater, Karl W., Pittsburgh, Pa. Non-metallic machinery bearings. Serial No. 386,008; Mar. 30. Class 23.

B & L Laboratories, Inc., Chicago, Ill. Saponaceous material. Serial No. 385,773; Mar. 30. Class 4.

Baff, Lawrence W., Brooklyn, N. Y. Chemical compound for cleaning metal, etc. Serial No. 372,758; Mar. 30. Class 4.

Barrell, William L., Company, Inc., New York, N. Y. Cotton fabrics dyed and waterproofed for sport and outdoor clothing purposes. Serial No. 386,928; Mar. 30. Class 50.

Bartz, Nicholas B., doing business as Bartz Drug Company, Grand Rapids, Mich. Ointment. Serial No. 383,799; Mar. 30. Class 6.

Beacon Looms, Inc., New York, N. Y. Window curtains. Serial No. 387,814; Mar. 30. Class 42.

Benaco Products Company, Chicago, Ill. Razor blades. Serial No. 387,264; Mar. 30. Class 23.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Mohair and cotton pile fabrics. Serial Nos. 379,181–3; Mar. 30. Class 42.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. Serial No. 381,353; Mar. 30. Class 42.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. Serial No. 388,303; Mar. 30. Class 42.

Bond Pharmacals, Dallas, Tex. Preparation to be used in the treatment of indigestion, dyspepsia, gas, etc. Serial No. 388,180; Mar. 30. Class 6.

Bonzene Manufacturing Co., Bessemer, Mich. Ointment. Serial No. 387,311; Mar. 30. Class 6.

Borden Company, The, New York, N. Y., and Chicago, Ill. Frozen chocolate fudge. Serial No. 387,491; Mar. 30. Class 46.

Braunlin, Robert F., doing business as Vase-Sweet Company, Marion, Ind. Chemical tablet. Serial No. 388,256; Mar. 30. Class 6.

Brotherhood of Painters, Decorators and Paperhangers of America, La Fayette, Ind. Periodicals. Serial No. 388,225; Mar. 30. Class 38.

Buffalo Times, Inc., The, Buffalo, N. Y. Newspaper column. Serial No. 388,252; Mar. 30. Class 38.

Bullock's, Inc., Los Angeles, Calif. Upholstered sofas, chairs, and love seats. Serial No. 387,734; Mar. 30. Class 32.

California Redwood Association, San Francisco, Calif. Lumber. Serial No. 388,339; Mar. 30. Class 12.

Capewell Manufacturing Company, The, Hartford, Conn. Horse nails. Serial No. 387,739; Mar. 30. Class 13.

Carson Pirie Scott & Company, Chicago, Ill. Rayon piece goods. Serial No. 388,344; Mar. 30. Class 42.

Catania, Mary, doing business as Catania Shoe Shop, New York, N. Y. Leather shoes. Serial No. 388,258; Mar. 30. Class 39.

Chamberlain, Thomas D., doing business as T. D. Chamberlain Chemical Co., Scranton, Pa. Varnish, paint remover, wood filler, etc. Serial No. 382,862; Mar. 30. Class 16.

Cheney Chemical Company, The, Cleveland, Ohio. Non-tobacco, cigarette substitutes and cellulosic casings for non-tobacco fillings. Serial No. 385,249; Mar. 30. Class 8.

Chesterton, A. W., Company, Boston, Mass. Boiler-tube cleaners or scrapers. Serial No. 388,307; Mar. 30. Class 23.

Chicago Pharmacal Co., Chicago, Ill. Ointment for tinea infections. Serial No. 387,114; Mar. 30. Class 6.

Chicago Pharmacal Co., Chicago, Ill. Liquid preparation for the treatment of earache. Serial No. 387,656; Mar. 30. Class 6.

Chicky Candies, Inc., Grand Rapids, Mich. Candy. Serial No. 388,345; Mar. 30. Class 46.

Chopak Textile Co. Inc., New York, N. Y. Plain and printed rayon and acetate cloth. Serial No. 388,346; Mar. 30. Class 42.

Cleveland Remedies Company. (See Rosenthal, Albert.)

Colt-Cromwell Co., Inc., New York, N. Y. Boots, shoes, belts, etc. Serial No. 387,032; Mar. 30. Class 39.

Congoleum-Nairn Inc., Kearny, N. J. Printed periodical. Serial No. 388,311; Mar. 30. Class 38.

Congoleum-Nairn Inc., Kearny, N. J. Linoleum. Serial No. 388,312; Mar. 30. Class 20.

Consolidated Publishing Company, Seattle, Wash. Section within a monthly publication. Serial No. 384,735; Mar. 30. Class 38.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. Serial No. 388,048; Mar. 30. Class 49.

Continental Machine Specialties, Inc., Minneapolis, Minn. Combination band sawing and filing machine. Serial No. 387,660; Mar. 30. Class 23.

Continental Mills, Inc., Seattle, Wash. Prepared cake-mix. Serial No. 388,294; Mar. 30. Class 46.

Cramer, Aaron, Inc., New York, N. Y. Ladies' coats. Serial No. 388,488; Mar. 30. Class 39.

Cuprinol Limited, London, England. Chemical compositions for waterproofing and preserving. Serial No. 385,134; Mar. 30. Class 6.

Dainty Maid Slippers, Inc., New York, N. Y. Shoes and slippers. Serial No. 386,725; Mar. 30. Class 39.

Debway Hats, Inc., New York, N. Y. Ladies' hats. Serial No. 386,413; Mar. 30. Class 39.

Derris, Inc., New York, N. Y. Insecticides and drain pipe cleaner. Serial No. 388,389; Mar. 30. Class 6.

Ditto, Incorporated, Chicago, Ill. Liquid and cake soap and typewriter type and platen cleaner. Serial No. 385,836; Mar. 30. Class 4.

Ditto, Incorporated, Chicago, Ill. Chemical cleansing cream preparation, a preparation for blocking out ink writing or spots and a preparation for diluting said blocking out preparation, etc. Serial No. 386,102; Mar. 30. Class 6.

Ditto, Incorporated, Chicago, Ill. Drawing kits, lead pencils, leads for pencils, etc. Serial No. 386,793; Mar. 30. Class 37.

Dobri, Inc., New York, N. Y. Ladies' hats. Serial No. 386,727; Mar. 30. Class 39.

Dumarl Textile Co., Inc., New York, N. Y. Fabrics in the piece. Serial No. 387,819; Mar. 30. Class 42.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Rubber impregnated fiber sheet material. Serial No. 384,410; Mar. 30. Class 1.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Thermo-plastic molding powder. Serial No. 387,990; Mar. 30. Class 1.

E. A. Laboratories, Inc., Brooklyn, N. Y. Vehicle heaters and parts thereof. Serial No. 386,152; Mar. 30. Class 19.

East Tennessee Packing Company, Knoxville, Tenn. Dry salt fancy square cut pork bellies, and eggs. Serial No. 385,138; Mar. 30. Class 46.

Eldridge, Elizabeth, San Antonio, Tex. Hats, dresses, stockings, etc. Serial No. 387,781; Mar. 30. Class 39.

Electro-Best Manufacturing Co., Detroit and Highland Park, Mich. Electro-steam vaporizers for scalp treatment. Serial No. 380,472; Mar. 30. Class 44.

English Needle & Fishing Tackle Co. Ltd., The, Studley, England. Knitting pins and crochet hooks for hand use. Serial No. 379,087; Mar. 30. Class 40.

Erie Resistor Corporation, Erie, Pa. Resistors and condensers. Serial No. 387,682; Mar. 30. Class 21.

Esquire Features, Inc., Chicago, Ill. Newspaper feature. Serial No. 388,055; Mar. 30. Class 38.

Evans-Walton Company, Detroit, Mich. Protective siccative coating for metal surfaces. Serial No. 387,547; Mar. 30. Class 16.

Fischers Kiddie Coat Corp., New York, N. Y. Leggins, and combined leggins and coat sets. Serial No. 384,923; Mar. 30. Class 39.

Fluid Meters, Inc., New York, N. Y. Fuel oil meters. Serial No. 387,667; Mar. 30. Class 26.

Frederick Bros., Inc., Chicago, Ill. Malt beverages and beer. Serial No. 387,998; Mar. 30. Class 48.

Gabilla, Incorporated, New York, N. Y. Perfumes. Serial No. 387,464; Mar. 30. Class 6.

Gards Manufacturing Co., Inc., New York, N. Y. Head and sweat band protectors for hats and caps and headwear. Serial No. 374,239; Mar. 30. Class 39.

Gentile Bros. Company, Cincinnati, Ohio, and Orlando, Fla. Canned citrus juices. Serial No. 387,825; Mar. 30. Class 46.

Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burners. Serial No. 387,783; Mar. 30. Class 34.

Goldberg, Morris, doing business as Shim-R Products Co., Kenmore, N. Y. Hair tonic and a deodorant. Serial No. 388,000; Mar. 30. Class 6.

Goldsmit Black, Incorporated, Pittsburgh, Pa. Razor blades. Serial No. 385,841; Mar. 30. Class 23.

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Goldwaters Mercantile Co., Phoenix, Ariz. Dresses, sweaters, coats, etc. Serial No. 385,463; Mar. 30. Class 39.
Goodrich, B. F., Company, The, New York, N. Y. Liquid for use in wetting rubber sealing elements. Serial No. 383,355; Mar. 30. Class 12.
Goodwill Cigar Company, Atlantic City, N. J. Cigars. Serial No. 388,573; Mar. 30. Class 17.
Gould Company, Philadelphia, Pa. Coal and hardwood charcoal. Serial No. 388,487; Mar. 30. Class 1.
Graham, M. L., Seattle, Wash. Ice cream, sherbets, and ice cream bars, etc. Serial No. 382,154; Mar. 30. Class 46.
Grassi, Nicola, New York, N. Y. Fuel oil. Serial No. 388,353; Mar. 30. Class 15.
Greenfield's, E., Sons, Inc., New York, N. Y. Candies and chocolates. Serial No. 388,190; Mar. 30. Class 46.
Hallicrafters, Inc., The, Chicago, Ill. Radio receiving sets. Serial No. 387,901; Mar. 30. Class 21.
Hallicrafters, Inc., The, Chicago, Ill. Radio receiving sets. Serial No. 387,904; Mar. 30. Class 21.
Hammond Paint & Chemical Co., Beacon, N. Y. Insecticides and fungicides. Serial No. 386,895; Mar. 30. Class 6.
Helms Bakeries, Los Angeles, Calif. Bread. Serial No. 383,504; Mar. 30. Class 46.
Hillman Importing and Trading Co., Inc., The, New York, N. Y. Paint oils. Serial No. 385,551; Mar. 30. Class 16.
House of Westmore, The, Los Angeles, Calif. Cosmetics and toilet preparations. Serial No. 387,068; Mar. 30. Class 6.
Ideal Novelty & Toy Company, Long Island City, N. Y. Dolls, costumes for dolls, parts of costumes for dolls, etc. Serial No. 388,983; Mar. 30. Class 22.
Independent Milwaukee Brewery, Milwaukee, Wis. Malt beverage. Serial No. 387,187; Mar. 30. Class 48.
Inland Steel Company, Chicago, Ill. Alloy steel. Serial No. 374,412; Mar. 30. Class 14.
Instant Products Manufacturing Company, The. (See Moshier, E. B.)
International Printing Ink Corporation, The, New York, N. Y. Printing inks. Serial No. 388,320; Mar. 30. Class 11.
Ironhard Paint & Color Works Ltd., Los Angeles, Calif. Ready mixed, paste, and powder form paints, varnishes, and paint enamels. Serial Nos. 388,938–9; Mar. 30. Class 16.
Jaburg Brothers, Incorporated, New York, N. Y. Alimentary pastes, butter, candies, etc. Serial No. 362,117; Mar. 30. Class 46.
James Manufacturing Co., Fort Atkinson, Wis. Adjustable window sash and parts thereof. Serial No. 388,744; Mar. 30. Class 12.
James Manufacturing Co., Fort Atkinson, Wis. Metal doors and the like. Serial No. 388,745; Mar. 30. Class 12.
Jill, Frank, Inc., New York, N. Y. Fresh deciduous fruits. Serial No. 385,043; Mar. 30. Class 46.
Johnston, Robert A., Company, Milwaukee, Wis. Chocolate powder. Serial No. 379,344; Mar. 30. Class 46.
Josef Knitted Fabrics, Inc., New York, N. Y. Piece goods. Serial No. 383,531; Mar. 30. Class 42.
Jung, L. E., & Wulff Company, Inc., New Orleans, La. Whiskey, gin, and liqueurs. Serial No. 385,843; Mar. 30. Class 49.
Kahlenberg Bros. Co., Two Rivers, Wis. Internal combustion engines, compressors, and pumps. Serial No. 387,624; Mar. 30. Class 23.
Koppers Company, Pittsburgh, Pa., and Baltimore, Md. Apparatus for expanding pistons. Serial No. 385,413; Mar. 30. Class 23.
Krasnow, Ben B., doing business as Ben B. Krasnow Co., Sacramento, Calif. Fresh fruits. Serial No. 386,733; Mar. 30. Class 46.
Kreis, Elmer, & Co., Chicago, Ill. Umbrellas. Serial No. 388,354; Mar. 30. Class 41.
Kresge, S. S., Company, Detroit, Mich. Hosiery. Serial No. 388,268; Mar. 30. Class 39.
Kuhne, Ernest J., Santa Ana, Calif. Inner soles for shoes and footwear. Serial No. 387,248; Mar. 30. Class 39.
Lanphear, Hiram, & Company, Chicago, Ill. Canned food made from toasted wheat embryo. Serial No. 384,728; Mar. 30. Class 46.
Laurel Biscuit Company, The, Dayton, Ohio. Wafers flavored with cheese and celery. Serial No. 388,139; Mar. 30. Class 46.
Leedy, J. B., Upper Strasburg, Pa. Medicinal capsule for the treatment of asthma. Serial No. 383,841; Mar. 30. Class 6.
Lennox Furnace Co., Inc., Marshalltown, Iowa. Blowers, blower cabinets, filters, etc. Serial No. 387,471; Mar. 30. Class 34.
Levine, Louis, doing business as Admiration Products Co., New York, N. Y. Electrically operated apparatus used in the squeezing of fruits. Serial No. 384,663; Mar. 30. Class 21.
Lietz, A., Co., The, San Francisco, Calif. Engineering and drafting instruments. Serial No. 381,274; Mar. 30. Class 26.
Lilly, Eli, and Company, Indianapolis, Ind. l-ascorbic acid. Serial No. 388,065; Mar. 30. Class 6.
Loblaw Groceterias, Inc., Buffalo, N. Y. Coffee. Serial No. 379,479; Mar. 30. Class 46.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Crackers, biscuits, and cakes. Serial Nos. 387,333–4; Mar. 30. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 388,580; Mar. 30. Class 46.
Macy, R. H., & Co., Inc., New York, N. Y. Beds, secretaries, chests, etc. Serial No. 384,805; Mar. 30. Class 32.
Magel, Wilford B., Jackson, Mich. Rifle target cards. Serial No. 387,910; Mar. 30. Class 22.
Magnavox Company, The, Fort Wayne, Ind. Illuminated instrument dials. Serial No. 386,684; Mar. 30. Class 26.
Mallory, Molla, New York, N. Y. Dresses. Serial No. 388,067; Mar. 30. Class 39.
Martin Dyeing & Finishing Company, Bridgeton, N. J. Water resistant cotton duck. Serial No. 386,956; Mar. 30. Class 50.
McKinlay, Jane, doing business as Rejuvo Sales Co., Los Angeles, Calif. Face lifting appliances. Serial No. 386,736; Mar. 30. Class 44.
Medicated Fabrics Limited, London, England. Fabric gloves and mittens, socks, stockings, etc. Serial No. 384,622; Mar. 30. Class 39.
Meyers, Louis, & Son, Inc., New York, N. Y. Leather gloves. Serial No. 388,239; Mar. 30. Class 39.
Mid-West Wholesalers Inc., New York, N. Y. Suits, overcoats, topcoats, etc. Serial No. 388,401; Mar. 30. Class 39.
Military Service Publishing Company, The, Harrisburg, Pa. Magazine. Serial No. 385,958; Mar. 30. Class 38.
Milshap Hats, Inc., New York, N. Y. Ladies' hats. Serial No. 384,857; Mar. 30. Class 39.
Missoula Brewing Co., Missoula, Mont. Beer. Serial No. 388,361; Mar. 30. Class 48.
Mist-O-Mint Co. (See Universal Match Corporation, The.)
Mitchell & Weber, Inc., New York, N. Y. Blouses. Serial No. 387,588; Mar. 30. Class 39.
Moody, Josephus, doing business as Joe Moody, Detroit, Mich. Liniment for external use. Serial No. 385,896; Mar. 30. Class 6.
Moshier, E. B., doing business as The Instant Products Manufacturing Company, Omaha, Nebr. Concentrated fruit flavors. Serial No. 385,742; Mar. 30. Class 46.
National Bank of Commerce of San Antonio. (See Sanders, Fannie, and National Bank of Commerce of San Antonio.)
National Minerals Corporation, New York, N. Y. Zircon, rutile, and ilmenite. Serial No. 388,589; Mar. 30. Class 1.
Natural Set Up Sales Corporation, St. Louis, Mo. Carbonated soft drinks with lemon flavor and extracts and concentrated fruit syrups used in preparation. Serial No. 388,405; Mar. 30. Class 45.
Old Ben Coal Corporation, Chicago, Ill. Coal. Serial No. 388,509; Mar. 30. Class 1.
Old Collins Company, Inc., Distillers, New York, N. Y. Gin, whiskey, rum, etc. Serial No. 389,147; Mar. 30. Class 49.
Old Monk Olive Oil Co., Chicago, Ill. Salad dressing. Serial No. 379,898; Mar. 30. Class 46.
Orthopedic Shoes, Inc., Portsmouth, Ohio. Shoes. Serial No. 386,739; Mar. 30. Class 39.
Osborne, Florence, Cleveland Heights, Ohio. Perfume. Serial No. 388,461; Mar. 30. Class 6.
Owens-Illinois Glass Company, Toledo, Ohio. Salt and pepper shakers. Serial No. 387,554; Mar. 30. Class 2.
Ozone Co., Inc., New Orleans, La. Spring water and beverages and sirups and extracts for making the same. Serial No. 388,276; Mar. 30. Class 45.
Palmer, Leona C., doing business as L. C. Palmer, Washington, D. C. Antiseptics. Serial No. 388,277; Mar. 30. Class 6.
Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Lubricating oils and greases. Serial No. 388,683; Mar. 30. Class 15.
Para Tire & Rubber Corp., New York, N. Y. Automobile tire casings and inner tubes therefor. Serial No. 360,105; Mar. 30. Class 35.
Patent Tube Corp., New York, N. Y. Containers. Serial No. 384,863; Mar. 30. Class 2.
Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. Serial No. 387,952; Mar. 30. Class 6.
Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. Serial No. 388,241; Mar. 30. Class 6.
Phillips Corporation, The, Portland, Oreg. Valves for supplying water to drain traps. Serial No. 387,953; Mar. 30. Class 13.
Plumb, Charles C., doing business as C. C. Plumb Company, Providence, R. I. Asphalt paint. Serial No. 333,891; Mar. 30. Class 16.
Prentice, G. E., Manufacturing Company, The, Berlin, Conn. Slide operated fasteners. Serial No. 388,143; Mar. 30. Class 13.
Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth brushes. Serial No. 376,916; Mar. 30. Class 29.

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Pyridium Corporation, The, Nepera Park, N. Y. Medicines. Serial No. 388,144; Mar. 30. Class 6.
Ralston Purina Company, St. Louis, Mo. Prepared vegetable product. Serial No. 386,818; Mar. 30. Class 46.
Rejuvo Sales Co. (See McKinlay, Jane.)
Reo Motor Car Company, Lansing, Mich. Automobiles and structural parts thereof. Serial No. 386,961; Mar. 30. Class 19.
Reynolds Mfg. Co., Holyoke, Mass. Stenographers' books, notebooks, composition and writing books. Serial No. 388,243; Mar. 30. Class 37.
Rival Manufacturing Company. (See Talge, Foster L.)
Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin controlled amusement apparatus. Serial No. 388,800; Mar. 30. Class 22.
Roller Fanciers Corporation, Kansas City, Mo., Chicago, Ill., San Francisco, Calif., London, England, Vancouver, B. C., Canada, and Leipzig, Germany. Monthly magazine. Serial No. 385,904; Mar. 30. Class 38.
Rosenberg, Murray M., Inc., New York, N. Y. Shoes, slippers, heels, etc. Serial No. 382,360; Mar. 30. Class 39.
Rosenthal, Albert, doing business as Cleveland Remedies Company, Cleveland Heights, Ohio. Inhalant for head colds, etc. Serial No. 388,412; Mar. 30. Class 6.
Samstag, Henry F., New York, N. Y. Single and/or double edge safety razor blades. Serial No. 387,755; Mar. 30. Class 23.
Sanders, Fannie, and National Bank of Commerce of San Antonio, (joint executors of the Estate of R. L. Sanders, deceased), doing business as Texas Hotel News, San Antonio, Tex. Magazine. Serial No. 387,516; Mar. 30. Class 38.
Sanders, Fannie, and National Bank of Commerce of San Antonio (joint executors of the estate of R. L. Sanders, deceased), doing business as Texas Laundry News, San Antonio, Tex. Magazines. Serial No. 387,926; Mar. 30. Class 38.
Saputo, Salvatore, West New York, N. J. Olive oil Serial No. 373,704; Mar. 30. Class 46.
Save-Sum Stores, Incorporated, Houston, Tex. Hats, hosiery, suits, etc. Serial No. 382,770; Mar. 30. Class 39.
Sazerac Company, Inc., New Orleans, La. Gin. Serial No. 386,912; Mar. 30. Class 49.
Schaffran & Landa, Inc., New York, N. Y. Piece goods. Serial No. 387,563; Mar. 30. Class 42.
Schatz-Pollack Woolen Company, Inc., Chicago, Ill. Men's woolens. Serial No. 387,159; Mar. 30. Class 42.
Schieffelin & Co., New York, N. Y. Rum. Serial No. 387,564; Mar. 30. Class 49.
Scholastic Corporation, Pittsburgh, Pa. Feature page or column. Serial No. 379,315; Mar. 30. Class 38.
Schwab, Jules, doing business as Jules Schwab & Co., New York, N. Y. Brooches, bracelets, necklaces, etc. Serial No. 387,840; Mar. 30. Class 28.
Seelig Specialties Co., New Orleans, La. Portable electric lamp. Serial No. 388,370; Mar. 30. Class 21.
Seraceo Chemical Company. (See Tassie, Ralph N.)
Shim-R Products Co. (See Goldberg, Morris.)
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum engine fuel. Serial No. 388,028; Mar. 30. Class 15.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax derived from petroleum. Serial No. 388,467; Mar. 30. Class 15.
Solnol Corporation, Providence, R. I. Textile oils. Serial No. 388,107; Mar. 30. Class 6.
Southern Rice Sales Co., Inc., New York, N. Y. Rice. Serial No. 388,286; Mar. 30. Class 46.
Standard Safety Equipment Co., Chicago, Ill. Sodium chloride tablets. Serial No. 382,140; Mar. 30. Class 46.
Standard Steel Works Company, Burnham, Pa. Forged railway wheels and tires. Serial No. 387,615; Mar. 30. Class 14.
Stulman-Emrick Lumber Co., Inc., Brooklyn, N. Y. Lumber. Serial No. 383,829; Mar. 30. Class 12.
Swanson, Nels H., Chicago, Ill. Key cases. Serial No. 386,669; Mar. 30. Class 3.
Talge, Foster L., doing business as Rival Manufacturing Company, Kansas City, Mo. Fruit juice extractors. Serial No. 388,552; Mar. 30. Class 23.
Tassie, Ralph N., doing business as Seraeco Chemical Company, Detroit, Mich. Preparation for the relief of nausea and vomiting. Serial No. 371,276; Mar. 30. Class 6.
Texas Hotel News. (See Sanders, Fannie, and National Bank of Commerce of San Antonio.)
Texas Laundry News. (See Sanders, Fannie, and National Bank of Commerce of San Antonio.)
Tiedemann & McMorran, San Francisco, Calif. Canned fruits and vegetables. Serial No. 388,211; Mar. 30. Class 46.
Tindall, Kolbe & McDowell Co., Milwaukee, Wis. Coffee. Serial No. 387,149; Mar. 30. Class 46.
Trends Publishing Company, Chicago, Ill. Monthly publication. Serial No. 385,612; Mar. 30. Class 38.
Triple-A-Specialty Company, Chicago, Ill. Battery testers. Serial No. 372,695; Mar. 30. Class 26.
Tryon, Edw. K., Company, Philadelphia, Pa. Clothing. Serial No. 387,479; Mar. 30. Class 39.
Turner Company, Cedar Rapids, Iowa. Amplified telephonic communication system adapted for inter-office use. Serial No. 384,633; Mar. 30. Class 21.
Uecker Equipment Company, Wauwatosa, Wis. Ladders and scaffold equipment. Serial No. 388,422; Mar. 30. Class 50.
Union Oil Company of California, Los Angeles, Calif. Sprayers. Serial No. 386,385; Mar. 30. Class 23.
United Asbestos Pad Corp., Chicago, Ill. Table pads. Serial No. 386,751; Mar. 30. Class 32.
United Farmers Cooperative Creamery Association, Inc., Morristown (Morrisville), Vt. Ice cream, sherbets, and mousses. Serial No. 379,499; Mar. 30. Class 46.
U. S. Antiseptic Laboratories Corporation, Baltimore, Md. Moth proofing spray. Serial No. 388,289; Mar. 30. Class 6.
United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. Serial Nos. 388,212–4; Mar. 30. Class 38.
United States Rubber Products, Inc., New York, N. Y. Rubber lined tanks. Serial No. 383,111; Mar. 30. Class 2.
Universal Match Corporation, The, doing business as Mist-O-Mint Co., St. Louis, Mo., and Decatur, Ill. Breath deodorizer. Serial No. 387,526; Mar. 30. Class 6.
Valomist Hosiery Company, Inc., New York, N. Y. Scarfs, sweaters, bathing suits, etc. Serial No. 388,035; Mar. 30. Class 39.
Vase-Sweet Company. (See Braunlin, Robert F.)
Vidhelle Permanent Wave Co., San Francisco, Calif. Electrical apparatus for permanently waving hair. Serial No. 388,473; Mar. 30. Class 44.
Vuccino, Albert A., New York, N. Y. Ash trays. Serial No. 387,525; Mar. 30. Class 8.
Wander Company, The, Chicago, Ill. Dehydrated vegetable carbohydrate food product. Serial No. 387,415; Mar. 30. Class 46.
Warfman, Philip, New York, N. Y. Mouth wash. Serial No. 388,215; Mar. 30. Class 6.
Waverly Cocoa & Chocolate Co., Inc., Brooklyn, N. Y. Candy. Serial No. 387,761; Mar. 30. Class 46.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Flexible shafting. Serial No. 387,416; Mar. 30. Class 23.
Wile, M., & Company, Inc., Buffalo, N. Y. Suits, coats, trousers, etc. Serial No. 386,059; Mar. 30. Class 39.
Williams Gold Refining Co., Inc., The, Buffalo, N. Y. Casting metals used in dentistry. Serial No. 388,041; Mar. 30. Class 44.
Wincharger Corporation, Sioux City, Iowa. Prime-mover-driven electric generator combinations. Serial No. 381,243; Mar. 30. Class 21.
Woodford County Distillery Co., Midway, Ky. Whiskey. Serial No. 388,474; Mar. 30. Class 49.
X-Ray Panorascope, Inc., Jamaica, N. Y. Device for viewing dental X-ray films and the like. Serial No. 388,625; Mar. 30. Class 44.
Zenith Radio Corporation, Chicago, Ill. Thermo electric generators. Serial No. 381,245; Mar. 30. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

A. P. W. Paper Company, Inc. (See Albany Perforated Wrapping Paper Company.)
Aetna Casualty and Surety Company, The. (See Beck & Wall, Inc., assignor.)
Albany Perforated Wrapping Paper Company, by change of name to A. P. W. Paper Company, Inc., Albany, N. Y. Toilet-paper and paper towels. 116,388–9; renewed May 1, 1937.
Albany Perforated Wrapping Paper Company, by change of name to A. P. W. Paper Company, Inc., Albany, N. Y. Toilet-paper and paper towels. 116,572–3; renewed May 15, 1937.
Albany Perforated Wrapping Paper Company, by change of name to A. P. W. Paper Company, Inc., Albany, N. Y. Toilet-paper and paper towels. 116,741–2; renewed May 22, 1937.
Albany Perforated Wrapping Paper Company, by change of name to A. P. W. Paper Company, Inc., Albany, N. Y. Toilet-paper. 117,238; renewed June 26, 1937.
Albany Perforated Wrapping Paper Company, by change of name to A. P. W. Paper Company, Inc., Albany, N. Y. Toilet-paper. 117,278; renewed July 3, 1937.

Albany Perforated Wrapping Paper Company, by change of name to A. P. W. Paper Company, Inc., Albany, N. Y. Toilet-paper and paper towels. 117,398; renewed July 3, 1937.
Albany Perforated Wrapping Paper Company, by change of name to A. P. W. Paper Company, Inc., Albany, N. Y. Toilet-paper. 117,627; renewed July 24, 1937.
Albany Perforated Wrapping Paper Company, by change of name to A. P. W. Paper Company, Inc., Albany, N. Y. Toilet-paper and paper towels. 117,804; renewed Aug. 7, 1937.
Alexander, Samuel. (See Velvet Grip Shoe Co. Inc.)
Allen Calculators, Incorporated, New York, N. Y. Adding machines and calculators. 344,515; Mar. 30; Serial No. 373,550; published Jan. 19, 1937. Class 26.
Al-Ser-Col Sales. (See Collins, Landon B.)
American Agricultural Chemical Company, The, New York, N. Y. Gelatin. 344,707–8; Mar. 30. Class 46.
American Bleached Goods Company, Inc., New York, N. Y. Cotton and rayon piece goods. 344,650; Mar. 30; Serial No. 385,717; published Jan. 19, 1937. Class 42.
American Institute of Applied Biochemistry, The. (See Warfel, Janet C.)
American Road Machinery Company Inc., assignor to Good Roads Machinery Corporation, Kennet Square, Pa. Road-making machines. 116,392; renewed May 1, 1937.
American Tube Works, Inc., New York, N. Y. Brass and copper tubes, condenser tubes, heaters, etc. 344,553; Mar. 30; Serial No. 383,696; published Jan. 19, 1937. Class 34.
American Typesetting Corporation, Chicago, Ill. Made-up type forms and electrotypes. 344,696; Mar. 30. Class 50.
Arkios, Inc., New York, N. Y. Chemical products having deodorant and cooling properties. 344,621; Mar. 30; Serial No. 385,244; published Jan. 5, 1937. Class 6.
Armour and Company. (See Fowler Packing Co., assignor.)
Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. 344,653; Mar. 30; Serial No. 385,771; published Jan. 12, 1937. Class 39.
Austin Motor Company, Limited, The, Northfield, Birmingham, England. Motor vehicles. 344,521; Mar. 30; Serial No. 378,873; published Jan. 19, 1937. Class 19.
Barbatsalos, Constantine, doing business as Soth-Pia Medicinal Preparations, New York, N. Y. Pharmaceutical preparation. 344,633; Mar. 30; Serial No. 385,430; published Jan. 12, 1937. Class 6.
Barrett Company, The, New York, N. Y. Resinous material. 344,596; Mar. 30; Serial No. 384,918; published Jan. 5, 1937. Class 6.
Beck & Wall, Inc., Cleveland, Ohio, assignor to The Aetna Casualty and Surety Company, Hartford, Conn. Device to measure the time taken by automobile drivers to respond (1) mentally and (2) physically to evidences of imminent personal peril. 344,535; Mar. 30; Serial No. 382,618; published Jan. 19, 1937. Class 26.
Belgard-Spero, Inc., Chicago, Ill. Eye glasses, spectacle forms, mountings, etc. 344,583; Mar. 30; Serial No. 384,781; published Jan. 19, 1937. Class 26.
Bentley Motors (1931) Limited, London, England. Automobile and chassis thereof. 344,524; Mar. 30; Serial No. 379,179; published Jan. 19, 1937. Class 19.
Bess, William, Memphis, Tenn. Hair-oil. 115,433; renewed Feb. 13, 1937.
Borcherdt Malt Extract Company, Chicago, Ill. Medicine. 344,579; Mar. 30; Serial No. 384,699; published Jan. 12, 1937. Class 6.
Borden Company, The. (See N. Y. Condensed Milk Co.)
Borden Company, The, New York, N. Y. Popcorn coated with cheese flavoring. 344,666; Mar. 30; Serial No. 385,923; published Jan. 19, 1937. Class 46.
Braun Bros. Oil Co., Winnetka, Ill. Gasoline, cylinder oil, axle grease, etc. 344,646; Mar. 30; Serial No. 385,682; published Jan. 19, 1937. Class 15.
British Cod Liver Oil Producers (Hull) Limited, Hull, England. Preparations of cod liver oil. 344,528; Mar. 30; Serial No. 381,525; published Jan. 5, 1937. Class 6.
Browning, Earl W., assignor to Quiet Heet Oil Burner Company Inc., Brooklyn, N. Y. Oil burners. 344,703; Mar. 30. Class 34.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Mops for bowling alleys. 344,684; Mar. 30; Serial No. 386,344; published Jan. 19, 1937. Class 29.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cues. 344,685; Mar. 30; Serial No. 386,345; published Jan. 19, 1937. Class 22.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling alley pit mats. 344,686; Mar. 30; Serial No. 386,346; published Jan. 19, 1937. Class 22.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Bags for bowling balls. 344,687; Mar. 30; Serial No. 386,355; published Jan. 19, 1937. Class 2.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables. 344,688; Mar. 30; Serial No. 386,358; published Jan. 19, 1937. Class 22.
Bulova Watch Company, Inc., New York, N. Y. Watches. 344,676; Mar. 30; Serial No. 386,011; published Jan. 19, 1937. Class 27.
Busch, Joseph, Des Moines, Iowa. Preparation for the treatment of hemorrhoids and colitis and proctitis. 344,559; Mar. 30; Serial No. 383,871; published Jan. 12, 1937. Class 6.
Cahill, Bernard J. S., Alameda, Calif. Maps. 344,610; Mar. 30; Serial No. 385,087; published Jan. 19, 1937. Class 38.
Cameo Vineyard Company, Fresno, Calif. Brandy. 344,503; Mar. ; Serial No. 362,942; published Mar. 3, 1936. Class 49.
Campbell, John, & Co., New York, N. Y. Dyes and dyestuffs. 344,591–93; Mar. 30; Serial Nos. 384,879–81; published Jan. 5, 1937. Class 6.
Candy Bros. Manufacturing Company, St. Louis, Mo. Cough drops. 344,563; Mar. 30; Serial No. 384,065; published Jan. 5, 37. Class 6.
Carlin Products, Inc., New York, N. Y. Preparation for treatment of athlete's foot. 344,594; Mar. 30; Serial No. 384,883; published Jan. 5, 1937. Class 6.
Carolina Pyrophyllite Company, New York, N. Y. Pyrophyllite. 344,669; Mar. 30; Serial No. 385,969; published Jan. 19, 1937. Class 1.
Caron Corporation, New York, N. Y. Facial packs and masques and toilet creams. 344,560; Mar. 30; Serial No. 383,872; published Jan. 12, 1937. Class 6.
Caterpillar Tractor Co. (See Holt Manufacturing Company, The, assignor.)
Cederit Company, San Francisco, Calif. Wall coating preparation for moth control. 344,518; Mar. 30; Serial No. 376,573; published Jan. 12, 1937. Class 6.
Chamberlin Metal Weather Strip Company, Detroit, Mich. Windows. 344,551; Mar. 30; Serial No. 383,674; published Jan. 12, 1937. Class 12.
Chicago Pharmacal Co., Chicago, Ill. Preparation for internal treatment for pyelitis, cystitis and gonorrhea. 344,573; Mar. 30; Serial No. 384,509; published Jan. 12, 1937. Class 6.
Chilean Nitrate Sales Corporation, New York, N. Y. Nitrate of soda. 344,600; Mar. 30; Serial No. 384,957; published Jan. 12, 1937. Class 6.
Chun, Ellery J., Honolulu, Hawaii. Beach pajamas and culottes. 344,540; Mar. 30; Serial No. 383,121; published Jan. 12, 1937. Class 39.
Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. 344,654; Mar. 30; Serial No. 385,777; published Jan. 19, 1937. Class 42.
Collins, Landon B., doing business as Al-Ser-Col Sales, Oakland, Calif. Medicine for relief of pain, simple headaches, etc. 344,542; Mar. 30; Serial No. 383,191; published Jan. 19, 1937. Class 6.
Collins, Tom, Corporation, The, Covington, Ky. Alcoholic punches, alcoholic mixed drinks, whiskey highball, etc. 344,567; Mar. 30; Serial No. 384,120; published Jan. 19, 1937. Class 49.
Columbia School Supply Co., to Columbia School Furniture Corporation, Indianapolis, Ind., successor. Medical and surgical supplies. 110,913; renewed June 20, 1936.
Commander-Larabee Milling Company. (See Larabee Flour Mills Corporation, The, assignor.)
Continental Carbon Inc., Cleveland, Ohio. Electrical capacitors, reactors, or combinations of capacitors and reactors. 344,678; Mar. 30; Serial No. 386,099; published Jan. 19, 1937. Class 21.
Corning Glass Works, assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y. Glass. 115,846; renewed Mar. 13, 1937.
Corn Products Refining Company, New York, N. Y. Starch for manufacturing purposes. 344,614; Mar. 30; Serial No. 385,177; published Jan. 5, 1937. Class 6.
Coronet, Inc. (See Smart, David A.)
Crescent Insulated Wire and Cable Company, Trenton, N. J. Electrical wire, cable, and conductors, etc. 344,512; Mar. 30; Serial No. 372,658; published May 26, 1936. Class 21.
Crown Zellerbach Corporation. (See National Paper Products Company, assignor.)
Cuno Engineering Corporation, The, Meriden, Conn. Mechanical fluid straining and filtering apparatus and parts thereof. 344,692; Mar. 30. Class 23.
Darrasse, Léon, & Cie., Société du Papier Rigollot, Société en commandite, Paris, France. Mustard plasters. 344,552; Mar. 30; Serial No. 383,677; published Jan. 12, 1937. Class 6.
Daven Oil Company. (See Newman, Lewis.)
Davis & Geck, Inc., assignor to Davis & Geck, Inc., Brooklyn, N. Y. Pharmaceutical preparations. 116,042; renewed Apr. 3, 1937.
Davis & Lawrence Co., New York, N. Y. Dressing for slight wounds and cuts, deodorant, mouth wash, etc. 344,651; Mar. 30; Serial No. 385,727; published Jan. 19, 1937. Class 6.
Dayton Rubber Manufacturing Company, The, Dayton, Ohio. V-type belts. 344,706; Mar. 30. Class 35.
De Forest Radio Telephone and Telegraph Company, New York, N. Y., assignor, by mesne assignments, to RCA Manufacturing Company, Inc., Camden, N. J. Radio telegraph and telephone apparatus. 112,486; renewed Sept. 12, 1936.
De Forest Radio Telephone and Telegraph Company, New York, N. Y., assignor, by mesne assignments, to RCA Manufacturing Company, Inc., Camden, N. J. Radio telegraph and telephone apparatus. 112,765–6; renewed Sept. 26, 1936.

Dermalure Company, assignor to Dermalure, Inc., Chicago, Ill. Facial creams. 344,509; Mar. 30; Serial No. 370,872; published Jan. 21, 1936. Class 6.
Detroit Incinerator Company, Detroit, Mich. Incinerators. 344,568; Mar. 30; Serial No. 384,209; published Jan. 19, 1937. Class 34.
Donner, Joseph, doing business as Sweepstakes Pharmacal Company, Chicago, Ill. Cold cream. 344,597; Mar. 30; Serial No. 384,922; published Jan. 5, 1937. Class 6.
Douglass & Cefaratti, Darby, Pa. Hair tonic. 344,647; Mar. 30; Serial No. 385,688; published Jan. 19, 1937. Class 6.
Draile Skin and Scalp Clinic. (See Ginsburg, Leo.)
Dunhill, Alfred, Limited, London, England. Pyrophoric lighters. 344,622–3; Mar. 30; Serial Nos. 385,252–3; published Jan. 19, 1937. Class 34.
Eagle Pencil Company, New York, N. Y. Lead pencils, crayons, pencil leads, etc. 344,560; Mar. 30; Serial No. 384,703; published Dec. 29, 1936. Class 37.
Eastman Kodak Company, doing business as The Tennessee Eastman Corporation, Rochester, N. Y., and Kingsport, Tenn. Artificial silk thread and yarn. 344,624; Mar. 30; Serial No. 385,256; published Jan. 19, 1937. Class 43.
Eaton Paper Corporation, Pittsfield, Mass. Stationery. 344,670–1; Mar. 30; Serial Nos. 385,977–8; published Jan. 19, 1937. Class 37.
Eby, Hugh H., Inc., Philadelphia, Pa. Radio instrument products and parts. 344,710; Mar. 30. Class 21.
Educational Caravans, Inc., Buffalo, N. Y. Periodical. 344,562; Mar. 30; Serial No. 383,991; published Jan. 19, 1937. Class 38.
Eigenmann, August P., Evansville, to August P. Eigenmann, Rockport, Ind. Work-shirts. 116,509; renewed May 8, 1937.
Eisenlohr, Otto, & Bros. Incorporated, Philadelphia, Pa., by change of name to Webster Eisenlohr, Inc., New York, N. Y. Cigars. 114,955; renewed Jan. 16, 1937.
Esmeralda Canning Co., The, Circleville, Ohio. Canned vegetables. 344,636; Mar. 30; Serial No. 385,570; published Jan. 19, 1937. Class 46.
Feller, Harry, Company, Louisville, Ky. Neckties. 344,693; Mar. 30. Class 39.
Floor-Shine Manufacturing Company, assignor, by mesne assignments, to Marie B. Scott, St. Louis, Mo. Varnish. 115,325; renewed Feb. 6, 1937.
Florian Products Company. (See Lifter, F. A.)
Fowler Packing Paper Co., Portland, Maine, and Kansas City, Kans., assignor to Armour and Company, Chicago, Ill. Medicinal preparation. 117,057; renewed July 24, 1937.
Fox River Paper Company, Appleton, Wis. Paper and envelopes. 117,849; renewed Aug. 7, 1937.
Frederics, E., Inc., New York, N. Y. Hair drying apparatus. 344,558; Mar. 30; Serial No. 383,840; published Jan. 19, 1937. Class 44.
Fretwell, C. B. (See Spartan Grain & Mill Co., assignor.)
Fries & Fries, Inc., Cincinnati, Ohio. Alcoholic wine flavoring compounds. 344,572; Mar. 30; Serial No. 384,416; published Jan. 19, 1937. Class 47.
Frosted Wool Process Company, Los Angeles, Calif. Fleeced or pulled wools. 344,625; Mar. 30; Serial No. 385,288; published Jan. 19, 1937. Class 1.
Gateway Baking Company, Fort Smith, Ark. Bread. 344,557; Mar. 30; Serial No. 383,806; published Jan. 19, 1937. Class 46.
Gaylord Bros., Inc., Syracuse, N. Y. Binders. 344,679; Mar. 30; Serial No. 386,106; published Jan. 19, 1937. Class 37.
Ginsburg, Leo, doing business as Draile Skin and Scalp Clinic, Chicago, Ill. Preparation for the treatment of psoriasis. 344,618; Mar. 30; Serial No. 385,226; published Jan. 5, 1937. Class 6.
Glidden Company, The, Cleveland, Ohio. Varnish stains. 344,695; Mar. 30. Class 16.
Globe Superior Corporation, Abingdon, Ill. Overalls, denim jackets, and one piece suits. 344,631; Mar. 30; Serial No. 385,398; published Jan. 12, 1937. Class 39.
Gloekler, Bernard, Company, Pittsburgh, Pa. Furniture. 117,851; renewed Aug. 7, 1937.
Goleta Lemon Association, Goleta, Calif. Fresh citrus fruits. 344,697; Mar. 30. Class 46.
Good Roads Machinery Corporation. (See American Road Machinery Company, Inc., assignor.)
Grant, W. T., Company, New York, N. Y. Cleansing tissues. 344,677; Mar. 30; Serial No. 386,027; published Jan. 19, 1937. Class 37.
Green Mountain Distillery, Inc., Burlington, Vt. Liqueurs and cordials. 344,637–8; Mar. 30; Serial Nos. 385,628–9; published Jan. 19, 1937. Class 49.
Gulf Oil Corporation, Pittsburgh, Pa. Petrolatum, insect killer, fly repellent, etc. 344,601; Mar. 30; Serial No. 384,963; published Jan. 5, 1937. Class 6.
Harriman Manufacturing Company, The, Harriman, Tenn. Cultivators, plows, harrows, etc. 344,574; Mar. 30; Serial No. 384,533; published Jan. 19, 1937. Class 23.
Harwick, Curtis J., doing business as Standard Chemical Company, Akron, Ohio. Adhesion-preventing material for rubber-vulcanizing molds. 344,546; Mar. 30; Serial No. 383,528; published Jan. 5, 1937. Class 6.
Hechman, Helen, New York, N. Y. Extract for producing foam for therapeutic, hygienic, and beauty purposes. 344,581; Mar. 30; Serial No. 384,706; published Jan. 12, 1937. Class 6.
Heintz & Kaufman, Ltd., San Francisco, Calif. Radio transmitters and receivers and parts therefor, electric motors, etc. 344,584; Mar. 30; Serial No. 384,795; published Jan. 19, 1937. Class 21.
Henderson, Albert, Pittsburgh, Pa. Molded construction members. 344,547; Mar. 30; Serial No. 383,576; published Jan. 12, 1937. Class 12.
Henderson, Albert, Pittsburgh, Pa. Structural members. 344,548; Mar. 30; Serial No. 383,577; published Jan. 12, 1937. Class 12.
Henderson, Albert, Pittsburgh, Pa. Molded construction members. 344,549; Mar. 30; Serial No. 383,579; published Jan. 12, 1937. Class 12.
Holt Manufacturing Company, The, Stockton, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif. Monthly periodicals. 115,514; renewed Feb. 20, 1937.
Home Products Company. (See Walters, John H.)
Hopp Press, Inc., The, New York, N. Y. Metal price card holding strips for shelving. 344,575; Mar. 30; Serial No. 384,589; published Jan. 19, 1937. Class 13.
House of Walmar, Chicago, Ill. Toilet water, colognes, hair lotions, etc. 344,508; Mar. 30; Serial No. 369,487; published Feb. 4, 1936. Class 6.
Hulett, Arthur G., Los Angeles, Calif. Vaginal cleanser preparation. 344,539; Mar. 30; Serial No. 383,095; published Jan. 12, 1937. Class 6.
Industrial Oil Products Corp., Los Angeles, Calif. Oil for use in poultry and stock foods. 344,619; Mar. 30; Serial No. 385,227; published Jan. 5, 1937. Class 6.
International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets of paper. 344,672–3; Mar. 30; Serial Nos. 385,982–3; published Jan. 19, 1937. Class 37.
International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets made of paper. 344,680–3; Mar. 30; Serial Nos. 386,109–12; published Jan. 19, 1937. Class 37.
Ivey, J. B., & Company, Charlotte, N. C. Sheets, pillow cases, towels, and blankets. 344,648; Mar. 30; Serial No. 385,690; published Jan. 19, 1937. Class 42.
Jacobson, Albert, New York, N. Y. Tobacco smoking implements. 344,626; Mar. 30; Serial No. 385,292; published Jan. 19, 1937. Class 8.
Journeymen Barbers' International Union of America, The, Indianapolis, Ind. Periodical. 344,639; Mar. 30; Serial No. 385,632; published Jan. 19, 1937. Class 38.
Katro-Lek Laboratories Incorporated, Boston, Mass. Medicine for certain stomach disorders, nasal jellies, rheumatic balm, and cough medicines. 344,505; Mar. 30; Serial No. 363,758; published May 21, 1935. Class 6.
Kayline Company, The. (See Klein, Benjamin, assignor.)
King, W. A., Brownsville, Tex. Live animals, birds, and reptiles. 117,881; renewed Aug. 7, 1937.
Kirk, John A., Detroit, Mich. General medical and surgical appliances. 344,615; Mar. 30; Serial No. 385,186; published Jan. 19, 1937. Class 44.
Klein, Benjamin F., assignor to The Kayline Company, Cleveland, Ohio. Electric-lighting fixtures and certain named parts for same. 116,222; renewed Apr. 17, 1937.
Kling Bros. & Co., Chicago, Ill., assignor to J. Schoeneman, Inc., Baltimore, Md. Men's coats and trousers. 117,765; renewed July 31, 1937.
Kling, Mathilde G., doing business as Nic-Off Company, Chicago, Ill. Stain removing cream. 344,585; Mar. 30; Serial No. 384,799; published Jan. 19, 1937. Class 6.
Krogman Distilling Co., Inc., Tell City, Ind. Whiskey. 344,699; Mar. 30. Class 49.
Kynoch, G. & G., Ltd., London, England. Woolen rugs for personal use. 344,565; Mar. 30; Serial No. 384,090; published Jan. 19, 1937. Class 42.
Kynoch, G. & G., Ltd., London, England. Woolen piece goods. 344,566; Mar. 30; Serial No. 384,091; published Jan. 19, 1937. Class 42.
Larabee Flour Mills Corporation, The, Hutchinson, Kans., assignor, by mesne assignments, to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat-flour. 116,328; renewed Apr. 24, 1937.
Larabee Flour Mills Corporation, The, Hutchinson, Kans., assignor, by mesne assignments, to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat-flour. 116,654; renewed May 15, 1937.
La Yebana Company, Inc., Sampaloc, Manila, P. I. Cigars and cigarettes. 344,655–6; Mar. 30; Serial Nos. 385,794–5; published Jan. 19, 1937. Class 17.
Leigh, Ethel T., doing business as The Traphagen School of Fashion, New York, N. Y. Artistic drawings for textile designs. 344,555; Mar. 30; Serial No. 383,774; published Jan. 12, 1937. Class 38.
Les Parfums de Dana, Inc., New York, N. Y. Perfumes, toilet water, cologne, etc. 344,569; Mar. 30; Serial No. 384,294; published Jan. 12, 1937. Class 6.
Lifter, F. A., doing business as Florian Products Company, Newark, N. J. Paint finish, ready mixed paints, paint enamel, and varnishes. 344,525; Mar. 30; Serial No. 379,753; published Jan. 19, 1937. Class 16.
Locke Insulator Corporation, Baltimore, Md. High tension insulators. 344,701; Mar. 30. Class 21.
Loveland, William H., Company, Binghampton, N. Y. Astringents, astringent cerates, bleach creams, etc. 344,502; Mar. 30; Serial No. 362,427; published Jan. 12, 1937. Class 6.

Lugene, Inc., New York, N. Y. Spectacles and spectacle frames. 344,620; Mar. 30; Serial No. 385,229; published Jan. 19, 1937. Class 26.
Lux-Air Equipment Company, Detroit, Mich. Auxiliary window units for insulating windows. 344,522; Mar. 30; Serial No. 379,118; published Jan. 12, 1937. Class 12.
Makeco Company, The, San Antonio, Tex. Precast concrete units for wall construction. 344,538; Mar. 30; Serial No. 383,067; published Jan. 12, 1937. Class 12.
Marathon City Brewing Company, The, Marathon, Wis. Beer. 344,629; Mar. 30; Serial No. 385,327; published Jan. 19, 1937. Class 48.
May Hosiery Mills, assignor to May Hosiery Mills, Inc., Burlington, N. C. Hosiery. 117,260; renewed June 26, 1937.
Mayfair Yarncraft. (See Osborne, Glenn E.)
Mayor Walnut Hair Dye Co., Inc., Kansas City, Mo. Hair dye. 344,554; Mar. 30; Serial No. 383,760; published Jan. 19, 1937. Class 6.
McClenaghan, William, New York, N. Y. Combination of a facial cream and mask. 344,537; Mar. 30; Serial No. 382,922; published Jan. 19, 1937. Class 6.
McNish, Robert, & Co. Ltd., Glasgow, Scotland and London, England. Scotch whiskey. 344,513; Mar. 30; Serial No. 373,080; published Jan. 19, 1937. Class 49.
Meredith, Ann, Foundation, Hollywood, Calif. Skin rejuvenating emollient. 344,523; Mar. 30; Serial No. 379,121; published Sept. 1, 1936. Class 6.
Midway Chemical Co., Chicago, Ill. Machine oil for lubricating purposes and penetrating oil. 344,527; Mar. 30; Serial No. 381,231; published Jan. 5, 1937. Class 15.
Miller, Murry M., doing business as Movie-Goer Publishing Co., New York, N. Y. Monthly publications. 344,634; Mar. 30; Serial No. 385,445; published Jan. 19, 1937. Class 38.
Movie-Goer Publishing Co. (See Miller, Murry M.)
Muehlstein, H., & Co. Inc., New York, N. Y. Crude rubber. 344,663; Mar. 30; Serial No. 385,855; published Jan. 19, 1937. Class 1.
Mulford Colloid Laboratories, Philadelphia, Pa. Solution of manganese. 344,545; Mar. 30; Serial No. 383,399; published Jan. 12, 1937. Class 6.
Murray-Ohio Manufacturing Co., The, Cleveland, Ohio. Bicycles. 344,630; Mar. 30; Serial No. 385,381; published Jan. 19, 1937. Class 19.
Myers & Lindquist, St. Paul, Minn. Dolls. 344,514; Mar. 30; Serial No. 373,261; published Jan. 19, 1937. Class 22.
Nash, A., Company, The, Cincinnati, Ohio. Suits and overcoats. 117,903; renewed Aug. 7, 1937.
National Congress of Parents and Teachers, Washington, D. C. Special song lists and instruction sheets. 344,602; Mar. 30; Serial No. 384,972; published Jan. 12, 1937. Class 38.
National Paper Products Company, assignor to Crown Zellerbach Corporation, San Francisco, Calif. Stock-dip, insecticides, germicides, and disinfectants. 116,350; renewed Apr. 24, 1937.
National Paper Products Company, assignor to Crown Zellerbach Corporation, San Francisco, Calif. Floor dressings and polishes. 116,782; renewed May 22, 1937.
New England Distillers, Incorporated, Clinton, Mass. Rum. 344,667; Mar. 30; Serial No. 385,935; published Jan. 19, 1937. Class 49.
Newman, Lewis, doing business as Daxon Oil Company, Newark, N. J. Lubricating oils. 344,705; Mar. 30. Class 15.
N. Y. Condensed Milk Co., assignor, by mesne assignments, to The Borden Company, New York, N. Y. Condensed milk. 14,051; re-renewed Feb. 8, 1937.
Nic Off Company. (See Kling, Mathilde G.)
Norrey's Products Inc., New York, N. Y. Base metal asparagus cookers. 344,500; Mar. 30; Serial No. 357,343; published Jan. 19, 1937. Class 13.
Northern Paper Mills, Green Bay, Wis. Toilet (tissue) paper. 344,660; Mar. 30; Serial No. 385,821; published Jan. 19, 1937. Class 37.
Northern Paper Mills, Green Bay, Wis. Toilet (tissue) paper. 344,661–2; Mar. 30; Serial Nos. 385,823–4; published Jan. 19, 1937. Class 37.
Osborne, Glenn E., doing business as Mayfair Yarncraft, New York, N. Y. Yarns. 344,645; Mar. 30; Serial No. 385,675; published Jan. 12, 1937. Class 43.
Osborne, Glenn E., doing business as Mayfair Yarncraft, New York, N. Y. Yarns. 344,649; Mar. 30; Serial No. 385,695; published Jan. 12, 1937. Class 43.
Ostermoor & Co., assignor, by mesne assignments, to Ostermoor & Company, Inc., New York, N. Y. Mattresses, pillows, bolsters, etc. 117,909; renewed Aug. 7, 1937.
Paper Finishing Co., Chicago, Ill. Holding clips for tree light sockets. 344,543; Mar. 30; Serial No. 383,246; published Jan. 19, 1937. Class 13.
Parfums Revillon, Paris, France. Perfumery products. 344,510; Mar. 30; Serial No. 370,998; published Mar. 17, 1936. Class 6.
Park-Sherman Co., Chicago, Ill. Liquid containers and dispensers. 344,611; Mar. 30; Serial No. 385,149; published Jan. 19, 1937. Class 13.
Parke, Davis & Company, Detroit, Mich. Oil soluble bismuth compound. 344,520; Mar. 30; Serial No. 378,329; published Aug. 4, 1936. Class 6.
Patek & Co., San Francisco, Calif. Identification markers used in dry cleaning trade. 344,576; Mar. 30; Serial No. 384,597; published Jan. 19, 1937. Class 50.
Patons & Baldwins, Inc., Newark, N. J. Thread and yarn. 344,640–4; Mar. 30; Serial Nos. 385,639–43; published Jan. 19, 1937. Class 43.
Patterson-Sargent Company, The, Cleveland, Ohio. Paints, driers, enamels, etc. 115,656; renewed Feb. 27, 1937.
Patterson-Sargent Company, The, Cleveland, Ohio. Paints, driers, enamels, etc. 116,451; renewed May 1, 1937.
Patton Paint Company, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Oil-paint. 117,588; renewed July 17, 1937.
Penn Action Oil Company. (See Valvoline Oil Company.)
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Cotton piece goods. 344,652; Mar. 30; Serial No. 385,747; published Jan. 19, 1937. Class 42.
Phillips, Philip, assignor to Dr. P. Phillips Company, Inc., Orlando, Fla. Citrus fruits. 117,916; renewed Aug. 7, 1937.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 344,694; Mar. 30. Class 46.
Pittsburgh Plate Glass Company. (See Patton Paint Company, assignor.)
Pleasant River Canning Co., Columbia Falls, Maine. Canned blueberries. 117,604; renewed July 17, 1937.
Plibrico Jointless Firebrick Company, Chicago, Ill. Refractory cement. 344,616; Mar. 30; Serial No. 385,199; published Jan. 12, 1937. Class 12.
Pompeian Mfg. Co., The, Cleveland, Ohio, assignor to The Pompeian Company, Bloomfield, N. J. Tooth-paste and beauty-powder. 116,788; renewed May 22, 1937.
Pratt-Mallory Company, Sioux City, Iowa. Wheat flour. 344,516; Mar. 30; Serial No. 374,020; published Jan. 19, 1937. Class 46.
Prince Matchabelli Perfumery, Inc., New York, N. Y. Perfumes and bath oils. 344,612; Mar. 30; Serial No. 385,153; published Jan. 5, 1937. Class 6.
Provincial Distilleries Ltd., Inc., Brooklyn, N. Y. Whiskey. 344,702; Mar. 30. Class 49.
Pyle-National Company, The, Chicago, Ill. Electric locomotive headlights, electric lights and lighting equipment, etc. 344,541; Mar. 30; Serial No. 383,138; published Jan. 19, 1937. Class 21.
Quiet Heet Oil Burner Company Inc. (See Browning, Earl W., assignor.)
RCA Manufacturing Company, Inc. (See De Forest Radio Telephone and Telegraph Company.)
Randolph Marketing Co. Inc., Los Angeles, Calif. Oranges, lemons, grape-fruit, tangerines. 117,780; renewed July 31, 1937.
Rilling-Armao Co., Minneapolis, Minn. Thiophated shampoo. 344,607; Mar. 30; Serial No. 385,064; published Jan. 5, 1937. Class 6.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin-controlled amusement apparatus. 344,578; Mar. 30; Serial No. 384,673; published Jan. 19, 1937. Class 22.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin-controlled amusement apparatus. 344,689–90; Mar. 30; Serial Nos. 386,446–7; published Jan. 19, 1937. Class 22.
Rogers Peet Company, New York, N. Y. Suits and overcoats. 344,595; Mar. 30; Serial No. 384,906; published Jan. 12, 1937. Class 39.
Rogue River Valley Canning Co., Medford, Oreg. Canned fruits and vegetables. 344,704; Mar. 30. Class 46.
Roma Wine Company, Inc., Lodi, Calif. Wines. 344,532; Mar. 30; Serial No. 382,526; published Jan. 19, 1937. Class 47.
Roma Wine Company, Inc., Lodi, Calif. Wines. 344,533–4; Mar. 30; Serial Nos. 382,528–9; published Jan. 19, 1937. Class 47.
Rosenfeld, Harry, Inc., New York, N. Y. Women's handbags. 344,674; Mar. 30; Serial No. 385,992; published Jan. 19, 1937. Class 3.
Rothholz, Wm. A., Co. Inc., New York, N. Y. Linen, cotton, and woolen goods. 344,531; Mar. 30; Serial No. 382,489; published Jan. 19, 1937. Class 42.
Rust-Parker Company, Duluth, Minn. Foods and ingredients of foods. 115,399; renewed Feb. 6, 1937.
Saunstag, Henry F., New York, N. Y. Safety razor blades. 344,668; Mar. 30; Serial No. 385,943; published Jan. 19, 1937. Class 23.
Savoy Watch Co. Inc., New York, N. Y. Watches. 344,657; Mar. 30; Serial No. 385,806; published Jan. 19, 1937. Class 27.
Schelter Last Co. Inc., Rochester, N. Y. Shoe stretchers. 344,632; Mar. 30; Serial No. 385,426; published Jan. 19, 1937. Class 50.
Schiaparelli, Societe Anonyme, Paris, France. Perfumes, toilet waters, rouge, etc. 344,590; Mar. 30; Serial No. 384,834; published Jan. 5, 1937. Class 6.
Schindler & Company, New York, N. Y. Men's and boys' underwear. 344,658; Mar. 30; Serial No. 385,808; published Jan. 12, 1937. Class 39.
Schoeneman, J., Inc. (See Kling Bros. & Co., assignors.)
Schroeder Bros., Inc., New York, N. Y. Dried fruits and Spanish peppers. 344,501; Mar. 30; Serial No. 359,320; published Jan. 29, 1935. Class 46.
Schweyer, Paul T., Los Angeles, Calif. Hair color restorer and tonic. 344,627; Mar. 30; Serial No. 385,307; published Jan. 12, 1937. Class 6.
Scott, Marie B. (See Floor-Shine Manufacturing Company.)
Searle, G. D., & Co., Chicago, Ill. Medicinal tablets. 344,598; Mar. 30; Serial No. 384,935; published Jan. 5, 1937. Class 6.

Shipping News, Portland, Oreg. Periodical. 344,603; Mar. 30; Serial No. 384,977; published Jan. 12, 1937. Class 38.
Silver Dome, Incorporated, Detroit, Mich. Trailer coaches. 344,608; Mar. 30; Serial No. 385,066; published Jan. 19, 1937. Class 19.
Simpson Optical Manufacturing Co., Chicago, Ill. Microscopes, optical, microscopic, camera and projector lenses, prisms, and refractors. 344,582; Mar. 30; Serial No. 384,764; published Jan. 19, 1937. Class 26.
Slazengers, Limited, London, England. Games, toys, and sporting goods. 115,404; renewed Feb. 6, 1937.
Slocum Publishing Company, Grosse Pointe Shores and Detroit, Mich. Periodical. 344,586; Mar. 30; Serial No. 384,820; published Jan. 12, 1937. Class 38.
Smart, David A., assignor to Coronet, Inc., Chicago, Ill. Magazines. 344,587; Mar. 30; Serial No. 384,821; published Jan. 12, 1937. Class 38.
Smidth, F. L., & Co., New York, N. Y. Machines for grinding and pulverizing limestones, etc. 115,680; renewed Feb. 27, 1937.
Soth-Pia Medicinal Preparations. (See Barbatsalos, Constantine.)
Spartan Grain & Mill Co., assignor to C. B. Fretwell, doing business as Spartan Grain & Mills Co., Spartanburg, S. C. Mixed animal feeds. 117,939; renewed Aug. 7, 1937.
Spiers Bedding Corporation, Philadelphia, Pa. Studio couches. 344,709; Mar. 30. Class 32.
Spindler, Lorenz G., New York, N. Y. Wheat-flour. 117,940; renewed Aug. 7, 1937.
Sprague Warner & Company, Chicago, Ill. Coffee. 344,635; Mar. 30; Serial No. 385,453; published Jan. 19, 1937. Class 46.
Squibb, E. R., & Sons, New York, N. Y. Anesthetics. 344,506–7; Mar. 30; Serial Nos. 367,263–4; published Jan. 12, 1937. Class 6.
Standard Chemical Company. (See Harwick, Curtis J.)
Standard Container, Inc., Bloomfield, N. J. Hand operated sprayers. 344,691; Mar. 30. Class 23.
Sterling Products Company, Easton, Pa. Paste soap for petroleum solvent systems. 344,544; Mar. 30; Serial No. 383,329; published Nov. 24, 1936. Class 4.
Sterling Products Company, Easton, Pa. Laundry sour. 344,659; Mar. 30; Serial No. 385,813; published Jan. 19, 1937. Class 6.
Stiles-Barrett Corporation, St. Louis, Mo. Brake lining grinders. 344,588; Mar. 30; Serial No. 384,822; published Jan. 19, 1937. Class 23.
Sult, William M., Lakeland, Fla. Newspaper column. 344,613; Mar. 30; Serial No. 385,159; published Jan. 12, 1937. Class 38.
Sunset Oil Company, Los Angeles, Calif. Motor lubricating oils and gasoline. 344,604; Mar. 30; Serial No. 384,981; published Jan. 12, 1937. Class 15.
Sunset Oil Company, Los Angeles, Calif. Motor lubricating oils. 344,605; Mar. 30; Serial No. 384,982; published Jan. 12, 1937. Class 15.
Supplee-Biddle Hardware Co., Philadelphia, Pa. Catalogs. 344,511; Mar. 30; Serial No. 372,292; published Jan. 12, 1937. Class 38.
Supreme Laboratories, Chicago, Ill. Medicines, antiseptics, and pharmaceutical preparations. 344,504; Mar. 30; Serial No. 363,301; published Jan. 12, 1937. Class 6.
Sweepstakes Pharmacal Company. (See Donner, Joseph.)
Tennessee Eastman Corporation, The. (See Eastman Kodak Company.)
Tomback, Harry, doing business as Torg Laboratories, New York, N. Y. Medicines for the relief of acne, pimples etc. 344,570–1; Mar. 30; Serial Nos. 384,342–3; published Jan. 12, 1937. Class 6.
Torg Laboratories. (See Tomback, Harry.)
Traphagen School of Fashion, The. (See Leigh, Ethel T.)
Trump Company, The. (See Zifferblatt, Al.)
Tunison, Richard G., doing business as R. G. Tunison Co., New York, N. Y. Liver and sulphur compound. 344,561; Mar. 30; Serial No. 383,963; published Jan. 12, 1937. Class 6.
Ulrici Medicine Company, Inc., The, New York, N. Y. Medicinal preparation. 344,550; Mar. 30; Serial No. 383,666; published Jan. 5, 1937. Class 6.
Valk, S. J. & Son, New York, N. Y. Olives, olive oil, and bottled cherries. 344,536; Mar. 30; Serial No. 382,778; published Jan. 19, 1937. Class 46.
Valvoline Oil Company, doing business as Penn Action Oil Company, Cincinnati, Ohio, New York, N. Y., and Warren, Pa. Lubricating oils and greases. 344,617; Mar. 30; Serial No. 385,205; published Jan. 19, 1937. Class 15.
Velvet Grip Shoe Co. Inc., to Samuel Alexander, New York, N. Y., successor. Boots and shoes. 117,007; renewed June 5, 1937.
Walgreen Co., Chicago, Ill. Tennis racquets and tennis balls. 344,519; Mar. 30; Serial No. 378,011; published Jan. 19, 1937. Class 22.
Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. 344,700; Mar. 30. Class 49.
Walker, M. S., Inc., Boston, Mass. Gin liqueur. 344,599; Mar. 30; Serial No. 384,941; published Jan. 19, 1937. Class 49.
Walters, John H., doing business as Home Products Company, Kansas City, Mo. Concentrated beverage powder. 344,526; Mar. 30; Serial No. 380,852; published Jan. 19, 1937. Class 45.
Warfel, Janet C., doing business as The American Institute of Applied Biochemistry, Chicago, Ill. Publication. 344,609; Mar. 30; Serial No. 385,078; published Jan. 12, 1937. Class 38.
Warner Brothers Company, The, Bridgeport, Conn. Corsets. 116,483; renewed May 1, 1937.
Warner Brothers Company, The, Bridgeport, Conn. Corsets. 117,010; renewed June 5, 1937.
Webster Manufacturing Co., Colfax, La. Gasoline heater attachment for carburetors. 344,664; Mar. 30; Serial No. 385,917; published Jan. 19, 1937. Class 23.
Webwood Corporation, New York, N. Y. Plastic wood products. 344,577; Mar. 30; Serial No. 384,636; published Jan. 19, 1937. Class 1.
Weldon, Marsena N., Los Angeles, Calif. Laxative tablets. 344,530; Mar. 30; Serial No. 382,106; published Jan. 19, 1937. Class 6.
Western Clock Company, Peru, Ill. Clocks and watches. 344,698; Mar. 30. Class 27.
White, H. C., Co., assignor to Harris C. White, North Bennington, Vt. Children's vehicles. 115,422; renewed Feb. 6, 1937.
Williams, J. H., & Co., Buffalo, N. Y. Chains for tongs and pipe vises. 344,556; Mar. 30; Serial No. 383,792; published Jan. 19, 1937. Class 23.
Wilmot, Lemuel A., Toronto, Ontario, Canada. Tonic salts. 344,529; Mar. 30; Serial No. 381,597; published Jan. 12, 1937. Class 6.
Wilson-Jones Company, Chicago, Ill. Punching machines as office appliances for perforating sheets. 344,665; Mar. 30; Serial No. 385,919; published Jan. 19, 1937. Class 37.
Winthrop Chemical Company, Inc., New York, N. Y. Chemotherapeutic agent for streptococcic and staphylococcic infections. 344,606; Mar. 30; Serial No. 385,021; published Jan. 5, 1937. Class 6.
Wiremold Company, The, West Hartford, Conn. Overfloor raceway for wires. 344,675; Mar. 30; Serial No. 386,003; published Jan. 19, 1937. Class 21.
Worthington Ball Company, The, Elyria, Ohio. Golf-balls. 117,625; renewed July 17, 1937.
Wróblewski, David, doing business as D. Wróblewski & Co., Brooklyn, N. Y. General tonic, corn preparation, cough preparation, etc. 344,564; Mar. 30; Serial No. 384,066; published Jan. 12, 1937. Class 6.
York-Hoover Body Corporation, York, Pa. Trailers. 344,589; Mar. 30; Serial No. 384,832; published Jan. 19, 1937. Class 19.
Zifferblatt, Al, doing business as The Trump Company, New York, N. Y. Mouthpieces for musical instruments. 344,628; Mar. 30; Serial No. 385,325; published Jan. 19, 1937. Class 36.
Zinsser & Company, Inc., Hastings on Hudson, N. Y. Chemical product. 344,517; Mar. 30; Serial No. 374,993; published Dec. 8, 1936. Class 6.

LIST OF REGISTRANTS OF LABELS

General Mills, Inc., Minneapolis, Minn. Bisquick with Whole Wheat Flour. For Biscuit Flour. 49,143; Mar. 30.
Iowa Pearl Button Company, Muscatine, Iowa. Bluebird. For Buttons for Wearing Apparel. 49,144–5; Mar. 30.
Jeffries, Birdie L., doing business as Mme. Birdie L. Jeffries Laboratory, Houston, Tex. La Vesta. For Hair Pomade. 49,146; Mar. 30.
Walco Bead Co., New York, N. Y. Walco Indian Beadcraft Outfit. For Indian Beadcraft Outfits. 49,147; Mar. 30.

LIST OF REGISTRANTS OF PRINTS

Danziger Oil & Refineries, Inc., Tulsa, Okla. Road Runner—The Champagne of Motor Fuels. For Gasoline. 16,139–40; Mar. 30.

Laucks, I. F., Inc., Seattle, Wash. It's Rezited. For a Sealer. 16,141; Mar. 30.

Sun Oil Company, Philadelphia, Pa. Sunoco Passenger Car Chart. For Motor Oil. 16,142; Mar. 30.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Animals, birds, and reptiles, Live. W. A. King. 117,881; renewed Aug. 7, 1937.

Pyrophyllite. Carolina Pyrophyllite Company. 344,669; Mar. 30; Serial No. 385,969; published Jan. 19, 1937.

Rubber, Crude. H. Muehlstein & Co. Inc. 344,663; Mar. 30; Serial No. 385,855; published Jan. 19, 1937.

Wood products, Plastic. Webwood Corporation. 344,577; Mar. 30; Serial No. 384,636; published Jan. 19, 1937.

Wools, Fleeced or pulled. Frosted Wool Process Company. 344,625; Mar. 30; Serial No. 385,288; published Jan. 19, 1937.

CLASS 2

Bags for bowling balls. Brunswick-Balke-Collender Company. 344,687; Mar. 30; Serial No. 386,355; published Jan. 19, 1937.

Handbags, Women's. Harry Rosenfeld, Inc. 344,674; Mar. 30; Serial No. 385,992; published Jan. 19, 1937.

CLASS 4

Soap for petroleum solvent systems, Paste. Sterling Products Company. 344,544; Mar. 30; Serial No. 383,329; published Nov. 24, 1936.

CLASS 6

Anesthetics. E. R. Squibb & Sons. 344,506–7; Mar. 30; Serial No. 367,263–4; published Jan. 12, 1937.

Astringents, astringent cerates, bleach creams, etc. William H. Loveland Company. 344,502; Mar. 30; Serial No. 362,427; published Jan. 12, 1937.

Bismuth compound, Oil soluble. Parke, Davis & Company. 344,520; Mar. 30; Serial No. 378,329; published Aug. 4, 1936.

Chemical product. Zinsser & Company. 344,517; Mar. 30; Serial No. 374,993; published Dec. 8, 1936.

Chemical products having deodorant and cooling properties. Arkios, Inc. 344,621; Mar. 30; Serial No. 385,244; published Jan. 5, 1937.

Chemotherapeutic agent for streptococcic and staphylococcic infections. Winthrop Chemical Company. 344,606; Mar. 30; Serial No. 385,021; published Jan. 5, 1937.

Cough drops. Candy Bros. Manufacturing Company. 344,563; Mar. 30; Serial No. 384,065; published Jan. 5, 1937.

Cream and mask, Combination of a facial. W. McClenaghan. 344,537; Mar. 30; Serial No. 382,922; published Jan. 19, 1937.

Cream, Cold. J. Donner. 344,597; Mar. 30; Serial No. 384,922; published Jan. 5, 1937.

Cream, Stain removing. M. G. Kling. 344,585; Mar. 30; Serial No. 384,799; published Jan. 19, 1937.

Creams, Facial. Dermalure Company. 344,509; Mar. 30; Serial No. 370,872; published Jan. 21, 1936.

Dressing for slight wounds and cuts, deodorant, mouth wash, etc. Davis & Lawrence Co. 344,651; Mar. 30; Serial No. 385,727; published Jan. 19, 1937.

Dyes and dyestuffs. John Campbell & Co. 344,591–93; Mar. 30; Serial Nos. 384,879–81; published Jan. 5, 1937.

Extract for producing foam for therapeutic, hygienic, and beauty purposes. H. Hechman. 344,581; Mar. 30; Serial No. 384,706; published Jan. 12, 1937.

Facial packs and masques and toilet creams. Caron Corporation. 344,560; Mar. 30; Serial No. 383,872; published Jan. 12, 1937.

Hair color restorer and tonic. P. T. Schweyer. 344,627; Mar. 30; Serial No. 385,307; published Jan. 12, 1937.

Hair dye. Mayor Walnut Hair Dye Co. 344,554; Mar. 30; Serial No. 383,760; published Jan. 19, 1937.

Hair-oil. W. Bess. 115,433; renewed Feb. 13, 1937.

Hair tonic. Douglass & Cefaratti. 344,647; Mar. 30; Serial No. 385,688; published Jan. 19, 1937.

Laundry sour. Sterling Products Company. 344,659; Mar. 30; Serial No. 385,813; published Jan. 19, 1937.

Laxative tablets. M. N. Weldon. 344,530; Mar. 30; Serial No. 382,106; published Jan. 19, 1937.

Liver and sulphur compound. R. G. Tunison. 344,561; Mar. 30; Serial No. 383,963; published Jan. 12, 1937.

Material for rubber-vulcanizing molds, Adhesion-preventing. C. J. Harwick. 344,546; Mar. 30; Serial No. 383,528; published Jan. 5, 1937.

Medicinal preparation. Fowler Packing Co. 117,657; renewed July 24, 1937.

Medicinal preparation. Ulriel Medicine Company. 344,550; Mar. 30; Serial No. 383,666; published Jan. 5, 1937.

Medicinal tablets. G. D. Searle & C. 344,598; Mar. 30; Serial No. 384,935; published Jan. 5, 1937.

Medicine. Borcherdt Malt Extract Company. 344,579; Mar. 30; Serial No. 384,699; published Jan. 12, 1937.

Medicine. L. B. Collins. 344,542; Mar. 30; Serial No. 383,191; published Jan. 19, 1937.

Medicine for certain stomach disorders, nasal jellies, rheumatic balm, and cough medicines. Kairo-Lek Laboratories Incorporated. 344,505; Mar. 30; Serial No. 363,758; published May 21, 1935.

Medicines, antiseptics, and pharmaceutical preparations. Supreme Laboratories. 344,504; Mar. 30; Serial No. 363,301; published Jan. 12, 1937.

Medicines for the relief of acne, pimples, etc. H. Tomback. 344,570–1; Mar. 30; Serial Nos. 384,342–3; published Jan. 12, 1937.

Nitrate of soda. Chilean Nitrate Sales Corporation. 344,600; Mar. 30; Serial No. 384,957; published Jan. 12, 1937.

Oil for use in poultry and stock foods. Industrial Oil Products Corp. 344,619; Mar. 30; Serial No. 385,227; published Jan. 5, 1937.

Perfumery products. Parfums Revillon. 344,510; Mar. 30; Serial No. 370,998; published Mar. 17, 1936.

Perfumes and bath oils. Prince Matchabelli Perfumery, Inc. 344,612; Mar. 30; Serial No. 385,153; published Jan. 5, 1937.

Perfumes, toilet water, cologne, etc. Les Parfums de Dana, Inc. 344,569; Mar. 30; Serial No. 384,294; published Jan. 12, 1937.

Perfumes, toilet waters, rouge, etc. Schiaparelli, Societe Anonyme. 344,590; Mar. 30; Serial No. 384,834; published Jan. 5, 1937.

Petrolatum, insect killer, fly repellent, etc. Gulf Oil Corporation. 344,601; Mar. 30; Serial No. 384,963; published Jan. 5, 1937.

Pharmaceutical preparation. C. Barbatsalos. 344,633; Mar. 30; Serial No. 385,430; published Jan. 12, 1937.

Pharmaceutical preparations. Davis & Geck, Inc. 116,042; renewed Apr. 3, 1937.

Plasters, Mustard. Léon Darrasse & Cie., Société du Papier Rigollot, Société en commandite. 344,552; Mar. 30; Serial No. 383,677; published Jan. 12, 1937.

Preparation for internal treatment for pyelitis, cystitis, and gonorrhea. Chicago Pharmacal Co. 344,573; Mar. 30; Serial No. 384,509; published Jan. 12, 1937.

Preparation for moth control, Wall coating. Cederit Company. 344,518; Mar. 30; Serial No. 376,573; published Jan. 12, 1937.

Preparation for the treatment of hemorrhoids and colitis and proctitis. J. Busch. 344,559; Mar. 30; Serial No. 383,871; published Jan. 12, 1937.

Preparation for the treatment of psoriasis. L. Ginsburg. 344,618; Mar. 30; Serial No. 385,226; published Jan. 5, 1937.

Preparation for treatment of athlete's foot. Carlin Products, Inc. 344,594; Mar. 30; Serial No. 384,883; published Jan. 5, 1937.

Preparations of cod liver oil. British Cod Liver Oil Producers (Hull) Limited. 344,528; Mar. 30; Serial No. 381,525; published Jan. 5, 1937.

Resinous material. Barrett Company. 344,596; Mar. 30; Serial No. 384,918; published Jan. 5, 1937.

Salts, Tonic. L. A. Wilmot. 344,529; Mar. 30; Serial No. 381,597; published Jan. 12, 1937.

Shampoo, Thiophated. Rilling-Arnao Co. 344,607; Mar. 30; Serial No. 385,064; published Jan. 5, 1937.

Skin rejuvenating emollient. Ann Meredith Foundation. 344,523; Mar. 30; Serial No. 379,121; published Sept. 1, 1936.

Solution of manganese. Mulford Colloid Laboratories. 344,545; Mar. 30; Serial No. 383,399; published Jan. 12, 1937.

Starch for manufacturing purposes. Corn Products Company. 344,614; Mar. 30; Serial No. 385,177; published Jan. 5, 1937.

Stock-dip, insecticides, germicides, and disinfectants. National Paper Products Company. 116,350; renewed Apr. 24, 1937.

Toilet water, colognes, hair lotions, etc. House of Walmar. 344,508; Mar. 30; Serial No. 369,487; published Feb. 4, 1936.

Tonic, General. D. Wroblewski. 344,564; Mar. 30; Serial No. 384,066; published Jan. 12, 1937.

Tooth-paste and beauty-powder. Pompeian Mfg. Co. 116,788; renewed May 22, 1937.

Vaginal cleanser preparation. A. G. Hulett. 344,539; Mar. 30; Serial No. 383,095; published Jan. 12, 1937.

CLASS 8

Smoking implements, Tobacco. A. Jacobson. 344,626; Mar. 30; Serial No. 385,292; published Jan. 19, 1937.

CLASS 12

Cement, Refractory. Plibrico Jointless Firebrick Company. 344,616; Mar. 30; Serial No. 385,199; published Jan. 12, 1937.

Concrete units for wall construction, Precast. Makeco Company. 344,538; Mar. 30; Serial No. 383,067; published Jan. 12, 1937.

Construction members, Molded. A. Henderson. 344,547; Mar. 30; Serial No. 383,576; published Jan. 12, 1937.

Construction members, Molded. A. Henderson. 344,549; Mar. 30; Serial No. 383,579; published Jan. 12, 1937.

Structural members. A. Henderson. 344,548; Mar. 30; Serial No. 383,577; published Jan. 12, 1937.

Window units for insulating windows, Auxiliary. Lux-Air Equipment Company. 344,522; Mar. 30; Serial No. 379,118; published Jan. 12, 1937.

Windows. Chamberlin Metal Weather Strip Company. 344,551; Mar. 30; Serial No. 383,674; published Jan. 12, 1937.

CLASS 13

Clips for tree light sockets, Holding. Paper Finishing Co. 344,543; Mar. 30; Serial No. 383,246; published Jan. 19, 1937.

Containers and dispensers, Liquid. Park-Sherman Co. 344,611; Mar. 30; Serial No. 385,149; published Jan. 19, 1937.

Cookers, Base metal asparagus. Norrey's Products Inc. 344,500; Mar. 30; Serial No. 357,343; published Jan. 19, 1937.

Metal price card holding strips for shelving. Hopp Press, Inc. 344,575; Mar. 30; Serial No. 384,589; published Jan. 19, 1937.

CLASS 15

Gasoline, cylinder oil, axle grease, etc. Braun Bros. Oil Co. 344,646; Mar. 30; Serial No. 385,682; published Jan. 19, 1937.

Oil for lubricating purposes and penetrating oil, Machine. Midway Chemical Co. 344,527; Mar. 30; Serial No. 381,231; published Jan. 5, 1937.

Oils and gasoline, Motor lubricating. Sunset Oil Company. 344,604; Mar. 30; Serial No. 384,981; published Jan. 12, 1937.

Oils and greases, Lubricating. Valvoline Oil Company. 344,617; Mar. 30; Serial No. 385,205; published Jan. 19, 1937.

Oils, Lubricating. L. Newman. 344,705; Mar. 30.

Oils, Motor lubricating. Sunset Oil Company. 344,605; Mar. 30; Serial No. 384,982; published Jan. 12, 1937.

CLASS 16

Dressings and polishes, Floor. National Paper Products Company. 116,782; renewed May 22, 1937.

Oil-paint. Patton Paint Company. 117,588; renewed July 17, 1937.

Paint finish, ready mixed paints, paint enamel, and varnishes. F. A. Lifter. 344,525; Mar. 30; Serial No. 379,753; published Jan. 19, 1937.

Paints, driers, enamels, etc. Patterson-Sargent Company. 115,656; renewed Feb. 27, 1937.

Paints, driers, enamels, etc. Patterson-Sargent Company. 116,451; renewed May 1, 1937.

Varnish. Floor-Shine Manufacturing Company. 115,325; renewed Feb. 6, 1937.

Varnish. Glidden Company. 344,695; Mar. 30.

CLASS 17

Cigars. Otto Eisenlohr & Bros. Incorporated. 114,955; renewed Jan. 16, 1937.

Cigars and cigarettes. La Yebana Company. 344,655–6; Mar. 30; Serial Nos. 385,794–5; published Jan. 19, 1937.

CLASS 19

Automobile and chassis thereof. Bentley Motors (1931) Limited. 344,524; Mar. 30; Serial No. 379,179; published Jan. 19, 1937.

Bicycles. Murray-Ohio Manufacturing Co. 344,630; Mar. 30; Serial No. 385,381; published Jan. 19, 1937.

Trailer coaches. Silver Dome, Incorporated. 344,608; Mar. 30; Serial No. 385,066; published Jan. 19, 1937.

Trailers. York-Hoover Body Corporation. 344,589; Mar. 30; Serial No. 384,832; published Jan. 19, 1937.

Vehicles, Motor. Austin Motor Company, Limited. 344,521; Mar. 30; Serial No. 378,873; published Jan. 19, 1937.

CLASS 21

Electric-lighting fixtures and certain named parts for same. B. F. Klein. 116,222; renewed Apr. 17, 1937.

Electric locomotive headlights, electric lights and lighting equipment, etc. Pyle-National Company. 344,541; Mar. 30; Serial No. 383,138; published Jan. 19, 1937.

Electrical capacitors, reactors, or combinations of capacitors and reactors. Continental Carbon Inc. 344,678; Mar. 30; Serial No. 386,099; published Jan. 19, 1937.

Electrical wire, cable, and conductors, etc. Crescent Insulated Wire and Cable Company. 344,512; Mar. 30; Serial No. 372,658; published May 26, 1936.

Insulators, High tension. Locke Insulator Corporation. 344,701; Mar. 30.

Raceway for wires, Overfloor. Wiremold Company. 344,675; Mar. 30; Serial No. 386,003; published Jan. 19, 1937.

Radio instrument products and parts. Hugh H. Eby, Inc. 344,710; Mar. 30.

Radio telegraph and telephone apparatus. De Forest Radio Telephone and Telegraph Company. 112,486; renewed Sept. 12, 1936.

Radio telegraph and telephone apparatus. De Forest Radio Telephone and Telegraph Company. 112,765–6; renewed Sept. 26, 1936.

Radio transmitters and receivers and parts therefor, electric motors, etc. Heintz & Kaufman, Ltd. 344,584; Mar. 30; Serial No. 384,795; published Jan. 19, 1937.

CLASS 22

Amusement apparatus, Coin-controlled. Rock-Ola Manufacturing Corporation. 344,578; Mar. 30; Serial No. 384,673; published Jan. 19, 1937.

Amusement apparatus, Coin-controlled. Rock-Ola Manufacturing Corporation. 344,689–90; Mar. 30; Serial Nos. 386,446–7; published Jan. 19, 1937.

Billiard cues. Brunswick-Balke-Collender Company. 344,685; Mar. 30; Serial No. 386,345; published Jan. 19, 1937.

Billiard tables. Brunswick-Balke-Collender Company. 344,688; Mar. 30; Serial No. 386,358; published Jan. 19, 1937.

Bowling alley pit mats. Brunswick-Balke-Collender Company. 344,686; Mar. 30; Serial No. 386,346; published Jan. 19, 1937.

Dolls. Myers & Lindquist. 344,514; Mar. 30; Serial No. 373,261; published Jan. 19, 1937.

Games, toys, and sporting goods. Slazengers, Limited. 115,404; renewed Feb. 6, 1937.

Golf-balls. Worthington Ball Company. 117,625; renewed July 17, 1937.

Tennis racquets and tennis balls. Walgreen Co. 344,519; Mar. 30; Serial No. 378,011; published Jan. 19, 1937.

Vehicles, Children's. H. C. White Co. 115,422; renewed Feb. 6, 1937.

CLASS 23

Brake lining grinders. Stiles-Barrett Corporation. 344,588; Mar. 30; Serial No. 384,822; published Jan. 19, 1937.

Chains for tongs and pipe vises. J. H. Williams & Co. 344,556; Mar. 30; Serial No. 383,792; published Jan. 19, 1937.

Cultivators, plows, harrows, etc. Harriman Manufacturing Company. 344,574; Mar. 30; Serial No. 384,533; published Jan. 19, 1937.

Heater attachment for carburetors, Gasoline. Webster Manufacturing Co. 344,664; Mar. 30; Serial No. 385,917; published Jan. 19, 1937.

Machines for grinding and pulverizing limestones, etc. F. L. Smidth & Co. 115,680; renewed Feb. 27, 1937.

Mechanical fluid straining and filtering apparatus and parts thereof. Cuno Engineering Corporation. 344,692; Mar. 30.

Razor blades, Safety. H. F. Samstag. 344,668; Mar. 30; Serial No. 385,943; published Jan. 19, 1937.

Road-making machines. American Road Machinery Company Inc. 116,392; renewed May 1, 1937.

Sprayers, Hand operated. Standard Container, Inc. 344,691; Mar. 30.

CLASS 26

Adding machines and calculators. Allen Calculators, Incorporated. 344,515; Mar. 30; Serial No. 373,550; published Jan. 19, 1937.

Device to measure the time taken by automobile drivers to respond (1) mentally and (2) physically to evidences of imminent personal peril. Beck & Wall, Inc. 344,535; Mar. 30; Serial No. 382,618; published Jan. 19, 1937.

Glasses, spectacle forms, mountings, etc., Eye. Belgard-Spero, Inc. 344,583; Mar. 30; Serial No. 384,781; published Jan. 19, 1937.

Lenses, prisms, and refractors, Microscopes, optical, microscopic, camera and projector. Simpson Optical Manufacturing Co. 344,582; Mar. 30; Serial No. 384,764; published Jan. 19, 1937.

Spectacles and spectacle frames. Lugene, Inc. 344,620; Mar. 30; Serial No. 385,229; published Jan. 19, 1937.

CLASS 27

Clocks and watches. Western Clock Company. 344,698; Mar. 30.

Watches. Bulova Watch Company. 344,676; Mar. 30; Serial No. 386,011; published Jan. 19, 1937.

Watches. Savoy Watch Co. Inc. 344,657; Mar. 30; Serial No. 385,806; published Jan. 19, 1937.

CLASS 29

Mops for bowling alleys. Brunswick-Balke-Collender Company. 344,684; Mar. 30; Serial No. 386,344; published Mar. 30.

CLASS 32

Couches, Studio. Spiers Bedding Corporation. 344,709; Mar. 30, 1937.
Furniture. Bernard Gloekler Company. 117,851; renewed Aug. 7, 1937.
Mattresses, pillows, bolsters, etc. Ostermoor & Co. 117,909; renewed Aug. 7, 1937.

CLASS 33

Glass. Corning Glass Works. 115,846; renewed Mar. 13, 1937.

CLASS 34

Burners, Oil. E. W. Browning. 344,703; Mar. 30.
Incinerators. Detroit Incinerator Company. 344,568; Mar. 30; Serial No. 384,200; published Jan. 19, 1937.
Lighters, Pyrophoric. Alfred Dunhill Limited. 344,622–3; Mar. 30; Serial Nos. 385,252–3; published Jan. 19, 1937.
Tubes, condenser tubes, heaters, etc., Brass and copper boiler. American Tube Works, Inc. 344,553; Mar. 30; Serial No. 383,696; published Jan. 19, 1937.

CLASS 35

Belts, V-type. Dayton Rubber Manufacturing Company. 344,706; Mar. 30.

CLASS 36

Mouthpieces for musical instruments. A. Zifferblatt. 344,628; Mar. 30; Serial No. 385,325; published Jan. 19, 1937.

CLASS 37

Binders. Gaylord Bros., Inc. 344,679; Mar. 30; Serial No. 386,106; published Jan. 19, 1937.
Paper and envelops. Fox River Paper Company. 117,849; renewed Aug. 7, 1937.
Paper and paper towels, Toilet. Albany Perforated Wrapping Paper Company. 116,388–9; renewed May 1, 1937.
Paper and paper towels, Toilet. Albany Perforated Wrapping Paper Company. 116,572–3; renewed May 15, 1937.
Paper and paper towels, Toilet. Albany Perforated Wrapping Paper Company. 116,741–2; renewed May 22, 1937.
Paper and paper towels, Toilet. Albany Perforated Wrapping Paper Company. 117,398; renewed July 3, 1937.
Paper and paper towels, Toilet. Albany Perforated Wrapping Paper Company. 117,804; renewed Aug. 7, 1937.
Paper, Toilet. Albany Perforated Wrapping Paper Company. 117,238; renewed June 26, 1937.
Paper, Toilet. Albany Perforated Wrapping Paper Company. 117,278; renewed July 3, 1937.
Paper, Toilet. Albany Perforated Wrapping Paper Company. 117,627; renewed July 24, 1937.
Paper, Toilet (tissue). Northern Paper Mills. 344,660; Mar. 30; Serial No. 385,821; published Jan. 19, 1937.
Paper, Toilet (tissue). Northern Paper Mills. 344,661–2; Mar. 30; Serial Nos. 385,823–4; published Jan. 19, 1937.
Pencils, crayons, pencil leads, etc., Lead. Eagle Pencil Company. 344,580; Mar. 30; Serial No. 384,703; published Dec. 29, 1936.
Punching machines as office appliances for perforating sheets. Wilson-Jones Company. 344,665; Mar. 30; Serial No. 385,919; published Jan. 19, 1937.
Sheets made of paper, Absorbent face cleansing. International Cellucotton Products Company. 344,680–3; Mar. 30; Serial Nos. 386,109–12; published Jan. 19, 1937.
Sheets of paper, Absorbent cleansing. International Cellucotton Products Company. 344,672–3; Mar. 30; Serial Nos. 385,982–3; published Jan. 19, 1937.
Stationery. Eaton Paper Corporation. 344,670–1; Mar. 30; Serial Nos. 385,977–8; published Jan. 19, 1937.
Tissues, Cleansing. W. T. Grant Company. 344,677; Mar. 30; Serial No. 386,027; published Jan. 19, 1937.

CLASS 38

Catalogs. Supplee-Biddle Hardware Co. 344,511; Mar. 30; Serial No. 372,292; published Jan. 12, 1937.
Column, Newspaper. W. M. Sult. 344,613; Mar. 30; Serial No. 385,159; published Jan. 12, 1937.
Drawings for textile designs, Artistic. E. T. Leigh. 344,555; Mar. 30; Serial No. 383,774; published Jan. 12, 1937.
Magazines. D. A. Smart. 344,587; Mar. 30; Serial No. 384,821; published Jan. 12, 1937.
Maps. B. J. S. Cahill. 344,610; Mar. 30; Serial No. 385,087; published Jan. 19, 1937.
Periodical. Educational Caravans, Inc. 344,562; Mar. 30; Serial No. 383,991; published Jan. 19, 1937.
Periodical. Journeymen Barbers' International Union of America. 344,639; Mar. 30; Serial No. 385,632; published Jan. 19, 1937.
Periodical. Shipping News. 344,603; Mar. 30; Serial No. 384,977; published Jan. 12, 1937.
Periodical. Slocum Publishing Company. 344,586; Mar. 30; Serial No. 384,820; published Jan. 12, 1937.
Periodicals, Monthly. Holt Manufacturing Company. 115,514; renewed Feb. 20, 1937.
Publication. J. C. Warfel. 344,609; Mar. 30; Serial No. 385,078; published Jan. 12, 1937.
Publications, Monthly. M. H. Miller. 344,634; Mar. 30; Serial No. 385,445; published Jan. 19, 1937.
Song lists and instruction sheets, Special. National Congress of Parents and Teachers. 344,602; Mar. 30; Serial No. 384,972; published Jan. 12, 1937.

CLASS 39

Boots and shoes. Velvet Grip Shoe Co. Inc. 117,007; renewed June 5, 1937.
Coats and trousers, Men's. Kling Bros. & Co. 117,765; renewed July 31, 1937.
Corsets. Warner Brothers Company. 116,483; renewed May 1, 1937.
Corsets. Warner Brothers Company. 117,010; renewed June 5, 1937.
Hosiery. May Hosiery Mills. 117,260; renewed June 26, 1937.
Hosiery, Women's. Artcraft Silk Hosiery Mills, Inc. 344,653; Mar. 30; Serial No. 385,771; published Jan. 12, 1937.
Neckties. Harry Feller Company. 344,693; Mar. 30, 1937.
Overalls, denim jackets, and one piece suits. Globe Superior Corporation. 344,631; Mar. 30; Serial No. 385,398; published Jan. 12, 1937.
Pajamas and culottes, Beach. E. J. Chun. 344,540; Mar. 30; Serial No. 383,121; published Jan. 12, 1937.
Shirts, Work. A. P. Eigenmann. 116,509; renewed May 8, 1937.
Suits and overcoats. A. Nash Company. 117,903; renewed Aug. 7, 1937.
Suits and overcoats. Rogers Peet Company. 344,595; Mar. 30; Serial No. 384,906; published Jan. 12, 1937.
Underwear, Men's and boys'. Schindler & Company. 344,658; Mar. 30; Serial No. 385,808; published Jan. 12, 1937.

CLASS 42

Cotton and rayon piece goods. American Bleached Goods Company. 344,650; Mar. 30; Serial No. 385,717; published Jan. 19, 1937.
Cotton piece goods. J. C. Penney Company. 344,652; Mar. 30; Serial No. 385,747; published Jan. 19, 1937.
Cotton, rayon, aceate, and/or silk piece goods. Cohn-Hall-Marx Co. 344,654; Mar. 30; Serial No. 385,777; published Jan. 19, 1937.
Linen, cotton, and woolen goods. Wm. A. Rothholz Co. Inc. 344,531; Mar. 30; Serial No. 382,489; published Jan. 19, 1937.
Rugs for personal use, Woolen. G. & G. Kynoch, Ltd. 344,565; Mar. 30; Serial No. 384,090; published Jan. 19, 1937.
Sheets, pillow cases, towels, and blankets. J. B. Ivey & Company. 344,648; Mar. 30; Serial No. 385,690; published Jan. 19, 1937.
Woolen piece goods. G. & G. Kynoch, Ltd. 344,566; Mar. 30; Serial No. 384,091; published Jan. 19, 1937.

CLASS 43

Thread and yarn. Patons & Baldwins, Inc. 344,640–4; Mar. 30; Serial Nos. 385,639–43; published Jan. 19, 1937.
Thread and yarn, Artificial silk. Eastman Kodak Company. 344,624; Mar. 30; Serial No. 385,256; published Jan. 19, 1937.
Yarns. G. E. Osborne. 344,645; Mar. 30; Serial No. 385,675; published Jan. 12, 1937.
Yarns. G. E. Osborne. 344,649; Mar. 30; Serial No. 385,695; published Jan. 12, 1937.

CLASS 44

Hair drying apparatus. E. Frederics, Inc. 344,558; Mar. 30; Serial No. 383,840; published Jan. 19, 1937.
Medical and surgical appliances, General. J. A. Kirk. 344,615; Mar. 30; Serial No. 385,186; published Jan. 19, 1937.
Medical and surgical supplies. Columbia School Supply Co. 110,913; renewed June 20, 1936.

CLASS 45

Powder, Concentrated beverage. J. H. Walters. 344,526; Mar. 30; Serial No. 380,852; published Jan. 19, 1937.

CLASS 46

Bread. Gateway Baking Company. 344,557; Mar. 30; Serial No. 383,806; published Jan. 19, 1937.
Canned blueberries. Pleasant River Canning Co. 117,604; renewed July 17, 1937.
Canned fruits and vegetables. Rogue River Valley Canning Co. 344,704; Mar. 30.
Canned vegetables. Esmeralda Canning Co. 344,636; Mar. 30; Serial No. 385,570; published Jan. 19, 1937.
Coffee. Sprague Warner & Company. 344,635; Mar. 30; Serial No. 385,453; published Jan. 19, 1937.
Feeds, Mixed animal. Spartan Grain & Mill Co. 117,939; renewed Aug. 7, 1937.
Flour, Wheat. Larabee Flour Mills Corporation. 116,328; renewed Apr. 24, 1937.
Flour, Wheat. Larabee Flour Mills Corporation. 116,654; renewed May 15, 1937.
Flour, Wheat. Pillsbury Flour Mills Company. 344,604; Mar. 30.
Flour, Wheat. Pratt-Mallory Company. 344,516; Mar. 30; Serial No. 374,020; published Jan. 19, 1937.

Flour, Wheat. L. G. Spindler. 117,940; renewed Aug. 7, 1937.
Foods and ingredients of foods. Rust-Parker Company. 115,399; renewed Feb. 6, 1937.
Fruits, and Spanish peppers, Dried. Schroeder Bros., Inc. 344,501; Mar. 30; Serial No. 359,320; published Jan. 29, 1935.
Fruits, Citrus. P. Phillips. 117,916; renewed Aug. 7, 1937.
Fruits, Fresh citrus. Goleta Lemon Association. 344,697; Mar. 30.
Gelatin. American Agricultural Chemical Company. 344,707 8; Mar. 30.
Milk, Condensed. N. Y. Condensed Milk Co. 14,051; renewed Feb. 8, 1937.
Olives, olive oil, and bottled cherries. S. J. Valk & Son. 344,536; Mar. 30; Serial No. 382,778; published Jan. 19, 1937.
Oranges, lemons, grape-fruit, tangerines. Randolph Marketing Co. 117,780; renewed July 31, 1937.
Popcorn coated with cheese flavoring. Borden Company. 344,666; Mar. 30; Serial No. 385,923; published Jan. 19, 1937.

CLASS 47

Wine flavoring compounds, Alcoholic. Fries & Fries, Inc. 344,572; Mar. 30; Serial No. 384,416; published Jan. 19, 1937.
Wines. Roma Wine Company. 344,532; Mar. 30; Serial No. 382,526; published Jan. 19, 1937.
Wines. Roma Wine Company. 344,533–4; Mar. 30; Serial Nos. 382,528–9; published Jan. 19, 1937.

CLASS 48

Beer. Marathon City Brewing Company. 344,629; Mar. 30; Serial No. 385,327; published Jan. 19, 1937.

CLASS 49

Brandy. Cameo Vineyards Company. 344,503; Mar. 30; Serial No. 362,942; published Mar. 3, 1936.
Liqueur, Gin. M. S. Walker, Inc. 344,599; Mar. 30; Serial No. 384,941; published Jan. 19, 1937.
Liqueurs and cordials. Green Mountain Distillery, Inc. 344,637–8; Mar. 30; Serial Nos. 385,628–9; published Jan. 19, 1937.
Punches, alcoholic mixed drinks, whiskey highball, etc., Alcoholic. Tom Collins Corporation. 344,567; Mar. 30; Serial No. 384,120; published Jan. 19, 1937.
Rum. New England Distillers, Incorporated. 344,667; Mar. 30; Serial No. 385,935; published Jan. 19, 1937.
Whiskey. Krogman Distilling Co. 344,699; Mar. 30.
Whiskey. Provincial Distilleries Ltd., Inc. 344,702; Mar. 30.
Whiskey. Hiram Walker & Sons, Inc. 344,700; Mar. 30.
Whiskey, Scotch. Robert McNish & Co. Ltd. 344,513; Mar. 30; Serial No. 373,080; published Jan. 19, 1937.

CLASS 50

Markers used in dry cleaning trade, Identification. Patek & Co. 344,576; Mar. 30; Serial No. 384,597; published Jan. 19, 1937.
Stretchers, Shoe. Schelter Last Co. Inc. 344,632; Mar. 30; Serial No. 385,426; published Jan. 19, 1937.
Typeforms and electrotypes, Made-up. American Typesetting Corporation. 344,696; Mar. 30.

LIST OF LABELS

Bisquick with Whole Wheat Flour. For Biscuit Flour. General Mills, Inc. 49,143; Mar. 30.
Bluebird. For Buttons for Wearing Apparel. Iowa Pearl Button Company. 49,144–5; Mar. 30.
La Vesta. For Hair Pomade. B. L. Jeffries. 49,146; Mar. 30.
Walco Indian Beadcraft Outfit. For Indian Beadcraft Outfits. Walco Bead Co. 49,147; Mar. 30.

LIST OF PRINTS

It's Rezited. For a Sealer. I. F. Laucks, Inc. 16,141; Mar. 30.
Road Runner—The Champagne of Motor Fuels. For Gasoline. Danziger Oil & Refineries, Inc. 16,139–40; Mar. 30.
Sunoco Passenger Car Chart. For Motor Oil. Sun Oil Company. 16,142; Mar. 30.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apex Electrical Manufacturing Company, The. (See Kirby, James B., assignor.)

Arf, Herman R., Louisville, Ky., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. System for air conditioning railroad cars. 20,318; Mar. 30.

Carrier Corporation. (See Arf, Herman R., assignor.)

D. D. D. Manufacturing Company. (See Lesueur, Dorothy, assignor.)

Dur-O-Lite Pencil Company. (See Lynn, John P., assignor.)

Gates, Paul G., Long Beach, Calif. Baller. 20,312; Mar. 30.

General Electric Company. (See Suits, Chauncey G., assignor.)

Kirby, James B., West Richfield, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Clothes washing machine. 20,313; Mar. 30.

Lee Rubber & Tire Corporation. (See Nellen, Arthur H., assignor.)

Lesueur, Dorothy, Holdenville, assignor to D. D. D. Manufacturing Company, Ada, Okla. Diaper. 20,315; Mar. 30.

Lynn, John P., Chicago, assignor to Dur-O-Lite Pencil Company, Sycamore, Ill. Pencil. 20,314; Mar. 30.

Nellen, Arthur H., Merion, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Vehicle tire. 20,316; Mar. 30.

Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Nonlinear circuit. 20,317; Mar. 30.

LIST OF PLANT PATENTEES

Bertanzel, Carl F., Sr., deceased, by C. F. Bertanzel, Jr., Roslyn, and H. W. Moore, Mineola, executors, assignors to C. F. Bertanzel, Jr., Roslyn, N. Y. Rose. 240; Mar. 30.

Bertanzel, Carl F., Jr., executor, et al. (See Bertanzel, Carl F., Sr.)

Moore, Harry W., executor, et al. (See Bertanzel, Carl F., Sr., deceased.)

LIST OF DESIGN PATENTEES

A and Z Chain Company. (See Rossman, Benjamin, assignor.)

Air Devices Corporation. (See Chapman, Harvey W., assignor.)

American Hard Rubber Company. (See Brunjes, Henry, assignor.)

American Radiator Company. (See Lambert, R. D., and Terry, assignors.)

Apex Electrical Manufacturing Company, The. (See Holland, Sidney S., assignor.)

Aridor Company, The. (See Sneddon, T., and Safranski, assignors.)

Barber, Howard B., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Refrigerator handle. 103,885; Mar. 30.

Bayreuther, Karl, Selb, Germany, assignor to The Rosenthal China Corporation, New York, N. Y. Cup. 103,907; Mar. 30.

Becker, Arthur D., Painesville, Ohio. Casing for fluid filters. 103,796; Mar. 30.

Beech-Nut Packing Company. (See Follett, Charles A., assignor.)

Beltram, Quincy, Newark, N. J. Implement handle. 103,797; Mar. 30.

Blackhawk Mfg. Co. (See Mandl, Sigmund, assignor.)

Brand, Albert S., Boston, and D. J. La France, assignors to The Carter's Ink Company, Cambridge, Mass. Combination desk unit. 103,798; Mar. 30.

Brown, Reinhardt H., Fremont, Ohio. Scalpel. 103,799; Mar. 30.

Brunjes, Henry, Glendale, assignor to American Hard Rubber Company, New York, N. Y. Receptacle for batteries or similar articles. 103,844; Mar. 30.

Brunjes, Henry, Glendale, assignor to American Hard Rubber Company, New York, N. Y. Receptacle for batteries or similar articles. 103,845; Mar. 30.

Brunjes, Henry, Glendale, N. Y. Receptacle for batteries or similar articles. 103,846; Mar. 30.

Brunjes, Henry, Glendale, assignor to American Hard Rubber Company, New York, N. Y. Receptacle for batteries or similar articles. 103,847; Mar. 30.

Brunjes, Henry, Glendale, assignor to American Hard Rubber Company, New York, N. Y. Receptacle for batteries or similar articles. 103,848; Mar. 30.

Brunjes, Henry, Glendale, assignor to American Hard Rubber Company, New York, N. Y. Receptacle for batteries or similar articles. 103,849; Mar. 30.

Brunjes, Henry, Glendale, assignor to American Hard Rubber Company, New York, N. Y. Receptacle for batteries or similar articles. 103,866; Mar. 30.

Brunjes, Henry, Glendale, assignor to American Hard Rubber Company, New York, N. Y. Receptacle for batteries or similar articles. 103,867; Mar. 30.

Canal National Bank of Portland, The, as trustee. (See Randall, W. H., Parsons, and Schwertfeger, assignors.)

Carter's Ink Company, The. (See Brand, A. S., and La France, assignors.)

Chapman, Harvey W., Chicago, Ill., assignor, by mesne assignments, to Air Devices Corporation. Electric fan. 103,908; Mar. 30.

Cirillo Gennaro, Brooklyn, N. Y. Macaroni or similar article. 103,868; Mar. 30.

Clark, Charles D., West Springfield, Mass. Advertising sign. 103,886; Mar. 30.

Coleman, Tora, New York, N. Y. Dress. 103,878; Mar. 30.

Coleman, Tora, New York, N. Y. Ensemble dress. 103,909; Mar. 30.

Colt's Patent Fire Arms Manufacturing Co. (See Conner, Benjamin F., assignor.)

Conaway, Charles W., Great Neck, N. Y. Shoe or similar article. 103,800; Mar. 30.

Conaway, Charles W., Great Neck, N. Y. Shoe or similar article. 103,801; Mar. 30.

Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Combination container for cosmetic preparations. 103,887; Mar. 30.

Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Bread box. 103,888; Mar. 30.

Cowan, R. Guy, assignor to Pass & Seymour, Inc., Syracuse, N. Y. Electric wall bracket. 103,802; Mar. 30.

Cribben & Sexton Company. (See Wilkinson, G. D., and Harter, assignors.)

Darling, L. A. Company. (See Stanley, Trowbridge H., assignor.)

Dean, John R., Buffalo, N. Y. Jewelry box. 103,850; Mar. 30.

Deering Milliken & Co. (See Killars, John, Jr., assignor.)

Del Re, Gennaro, New York, N. Y. Slipper. 103,803; Mar. 30.

Del Re, Gennaro, New York, N. Y. Slipper. 103,804; Mar. 30.

Del Re, Gennaro, New York, N. Y. Slipper. 103,805; Mar. 30.

Del Re, Gennaro, New York, N. Y. Slipper. 103,806; Mar. 30.

Del Re, Gennaro, New York, N. Y. Slipper. 103,807; Mar. 30.

Del Re, Gennaro, New York, N. Y. Slipper. 103,808; Mar. 30.

Del Re, Gennaro, New York, N. Y. Slipper. 103,809; Mar. 30.

Dittmar, Paul O., Evanson, Ill. Vehicle. 103,810; Mar. 30.

Dittmar, Paul O., Evanston, Ill. Vehicle. 103,811; Mar. 30.

Dorfman, Robert I., and E. Munk. Jar or similar container. 103,910; Mar. 30.

Du Pont, E. I., de Nemours & Company. (See Puppo, Joseph A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Tyson, Edmund H., assignor.)
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Eisenberg, Issy, New York, N. Y. Band for a hat. 103,851; Mar. 30.
Eisenberg, Issy, New York, N. Y. Band for a hat. 103,889; Mar. 30.
Esterow, Harry, New York, N. Y. Fountain pen clip or similar article. 103,812; Mar. 30.
Esterow, Harry, New York, N. Y. Fountain pen clip or similar article. 103,813; Mar. 30.
Esterow, Harry, New York, N. Y. Fountain pen clip or similar article. 103,814; Mar. 30.
Esterow, Harry, New York, N. Y. Fountain pen clip or similar article. 103,815; Mar. 30.
Esterow, Harry, New York, N. Y. Fountain pen clip or similar article. 103,816; Mar. 30.
Evans Case Company. (See Reilly, William J., assignor.)
Faries Manufacturing Company. (See Miller, George L., assignor.)
Farrell Manufacturing Company. (See Kuss, Ralph L., assignor.)
Finch & McCullouch. (See Lee, Gerhard M., assignor.)
Fitzgerald, Albert J., Braintree, Mass. Metallic grill. 103,817; Mar. 30.
Follett, Charles A., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Display stand or similar article. 103,869; Mar. 30.
Forstmann, Curt E., Montclair, N. J. Textile fabric. 103,852; Mar. 30.
Freeman, Donald S., Des Moines, Iowa. Sign. 103,870; Mar. 30.
Gibson Electric Refrigerator Corporation. (See Welch, Kenneth C., assignor.)
Granger, Charles H., assignor to The Waterbury Clock Company. Clock case. 103,818; Mar. 30.
Greenberg, Joseph. (See Rich, H. E., and Greenberg.)
Guild, Lurelle, Norotan, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Brush. 103,819; Mar. 30.
Harter, Augustus F. (See Wilkinson, G. D., and Harter.)
Height, Stanley V., Spring Lake, N. J. Toy boat. 103,871; Mar. 30.
Hirschberg, Solomon C., New York, N. Y. Spectacle case. 103,879; Mar. 30.
Hoffstetter, Carl H., and R. F. Hoffstetter, Erie, Pa. Range. 103,872; Mar. 30.
Hoffstetter, Robert F. (See Hoffstetter, Carl H., and R. F.)
Holland, Sidney S., Sandusky, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Washing machine dolly. 103,880; Mar. 30.
Hyde, Burdon P., Naugatuck, assignor to Scovill Manufacturing Company, Waterbury, Conn. Flashlight casing. 103,890; Mar. 30.
Imperial Glass Corporation. (See Newton, Earl W., assignor.)
Kanter, Edward, Cleveland Heights, Ohio, assignor to Railley Corporation. Study lamp. 103,891; Mar. 30.
Kensington, Incorporated. (See Guild, Lurelle, assignor.)
Killars, John Jr., Greenville, S. C., assignor to Deering Milliken & Co., Inc., New York, N. Y. Textile fabric. 103,873; Mar. 30.
Knox, William, Burlington, Vt. Bottle. 103,911; Mar. 30.
Kreisler, Jacques, Sales Corporation. (See Kreisler, Leslie, assignor.)
Kreisler, Leslie, assignor to Jacques Kreisler Sales Corporation, New York, N. Y. Terminal link for a watch bracelet or the like. 103,820; Mar. 30.
Kuss, Ralph L., assignor to Farrell Manufacturing Company, Joliet, Ill. Tank vehicle. 103,821; Mar. 30.
La France, David J. (See Brand, A. S., and La France.)
LaGiusa, Rose, New York, N. Y. Dress. 103,892; Mar. 30.
LaGiusa, Rose, New York, N. Y. Dress. 103,893; Mar. 30.
Lambert, Robert D., New York, and M. C. Terry, New Rochelle, assignors to American Radiator Company, New York, N. Y. Air conditioning cabinet. 103,874; Mar. 30.
Lee, Gerhard M., assignor to W. H. McCullouch, doing business as Finch & McCullouch, Aurora, Ill. Perpetual desk calendar. 103,822; Mar. 30.
Le Roy, Charles, Keansburg, N. J. Combined ashtray and cigarette supporter. 103,875; Mar. 30.
Lowenstein, Marcelle H., Atlanta, Ga. Bottle. 103,823; Mar. 30.
Mandl, Sigmund, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Wrench stand or the like. 103,894; Mar. 30.
Mandl, Sigmund, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Wrench case or the like. 103,912; Mar. 30.
Mandl, Sigmund, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Wrench stand or the like. 103,913; Mar. 30.
Mandl, Sigmund, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Combined wrench stand and case or the like. 103,914; Mar. 30.
Mariani, Christina, Philadelphia, assignor to Morton A. Oppenheimer, Elkins Park, Pa. Cap or similar article. 103,853; Mar. 30.
Mayer, William H., Jr., Flushing, New York. Textile fabric. 103,854; Mar. 30.
McAleer Manufacturing Company. (See Walker, George W., assignor.)
McCullouch, W. H. (See Lee, Gerhard M., assignor.)
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Automobile heater or the like. 103,855; Mar. 30.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Automobile heater or the like. 103,856; Mar. 30.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Automobile heater or the like. 103,857; Mar. 30.
Miller, George L., assignor to Faries Manufacturing Company, Decatur, Ill. Bird cage. 103,881; Mar. 30.
Miller, Walter C., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa. Lace tablecloth. 103,895; Mar. 30.
Minoff, Jack, Newark, N. J. Knitted fabric. 103,858; Mar. 30.
Montgomery Ward & Co. (See Barber, Howard B., assignor.)
Munk, Eugene. (See Dorfman, R. I., and Munk.)
Murrin, Gahlbeth H., Pasadena, Calif. Soap holder. 103,824; Mar. 30.
Murrin, Gahlbeth H., Pasadena, Calif. Combined tooth brush and tumbler supporting fixture. 103,825; Mar. 30.
Newton, Earl W., Evanston, Ill., assignor to Imperial Glass Corporation, Bellaire, Ohio. Goblet or similar article. 103,826; Mar. 30.
Nierenberg, Albert, New York, N. Y. Lucky piece. 103,827; Mar. 30.
Northup, Amos E., Detroit, Mich., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Automobile hood. 103,828; Mar. 30.
Oppenheimer, Morton A. (See Mariani, Christina.)
Otto, Ferdinand P., assignor to Quaker Lace Company, Incorporated, Philadelphia, Pa. Lace tablecloth. 103,896; Mar. 30.
Owens-Illinois Can Company. (See Connor, Martha H., assignor.)
Parsons, Wallace E. (See Randall, W. H., Parsons, and Schwertfeger.)
Pass & Seymour, Inc. (See Cowan, R. Guy, assignor.)
Philippe, Alfred, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc. Clip. 103,897; Mar. 30.
Pickin, Rowland O., Los Angeles, Calif. Game piece. 103,876; Mar. 30.
Porcelier Manufacturing Company. (See Waltman, Chauncey E., assignor.)
Posture Research Corporation. (See Wood, Glenn D., assignor.)
Powers Regulator Company, The. (See Snediker, Morton O., assignor.)
Puppo, Joseph A., Crestwood, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial leather. 103,882; Mar. 30.
Quaker Lace Company Incorporated. (See Miller, Walter C., assignor.)
Quaker Lace Company Incorporated. (See Otto, Ferdinand P., assignor.)
Quaker Lace Company Incorporated. (See Waterfield, James, assignor.)
Quaker Lace Company Incorporated. (See Wolf, William, assignor.)
Railley Corporation. (See Kanter, Edward, assignor.)
Ramel, Hans, Cleveland, Ohio. Combined display receptacle and merchandise receiving container. 103,859; Mar. 30.
Randall, Walter H., and W. E. Parsons, Waterville, Maine, and W. J. Schwertfeger, West Englewood, N. J., assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine. Packing sheet. 103,860; Mar. 30.
Randall, Walter H., W. E. Parsons, Waterville, Maine, and W. J. Schwertfeger, West Englewood, N. J., assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine. Packing sheet. 103,861; Mar. 30.
Randall, Walter H., W. E. Parsons, Waterville, Maine, and W. J. Schwertfeger, West Englewood, N. J., assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine. Packing sheet. 103,862; Mar. 30.
Reilly, William J., Attleboro, Mass., assignor to Evans Case Company. Receptacle for cigarettes or other articles. 103,829; Mar. 30.
Reilly, William J., Attleboro, Mass., assignor to Evans Case Company. Trimming for receptacles for cigarettes or other articles. 103,830; Mar. 30.
Rich, Harry E., and J. Greenberg, New York, N. Y. Hat form. 103,915; Mar. 30.
Robeson-Rochester Corporation. (See Schott, Howard H., assignor.)

Robinson, Fernande V., Richmond, Va. Atomizer cap. 103,898; Mar. 30.
Rosenthal China Corporation, The. (See Bayreuther, Karl, assignor.)
Rossman, Benjamin, assignor to A and Z Chain Company, Providence, R. I. Watch-bracelet or the like. 103,831; Mar. 30.
Safranski, Stanley. (See Sneddon, T., and Safranski.)
Schlenker, Max, La Salle, Ill. Clock casing. 103,832; Mar. 30.
Schneeweis, Daniel D., Brooklyn, N. Y. Decorative comb. 103,833; Mar. 30.
Schott, Howard H., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Fan housing. 103,834; Mar. 30.
Schwertfeger, Walter J. (See Randall, W. H., Parsons and Schwertfeger.)
Scovill Manufacturing Company. (See Hyde, Burdon P., assignor.)
Scurlock, Lewis H., Chicago, Ill. Multiple compartment refrigerator tray unit. 103,916; Mar. 30.
Snediker, Morton O., assignor to The Powers Regulator Company, Chicago, Ill. Thermostat mechanism. 103,877; Mar. 30.
Sneddon, Theodore, and S. Safranski, assignor to The Aridor Company, Chicago, Ill. Combined jar cap and ashtray top. 103,917; Mar. 30.
Stanley, Trowbridge H., assignor to L. A. Darling Company, Bronson, Mich. Curtain display rack. 103,835; Mar. 30.
Steinberg, Aaron, Passaic, N. J. Curtain. 103,899; Mar. 30.
Sutton, Michael S., Brooklyn, N. Y. Handkerchief or similar article. 103,863; Mar. 30.
Teague, Walter D., Forest Hills, N. Y., assignor to Warren Telechron Company. Clock case. 103,836; Mar. 30.
Teague, Walter D., Forest Hills, N. Y., assignor to Warren Telechron Company. Clock case. 103,837; Mar. 30.
Teague, Walter D., Forest Hills, N. Y., assignor to Warren Telechron Company. Timer case. 103,838; Mar. 30.
Terry, Matson C. (See Lambert, R. D., and Terry.)
Tillman, Nathan, Brooklyn, N. Y. Textile fabric. 103,900; Mar. 30.
Trafford, James E., San Francisco, Calif. Vacuum tank for surgical use. 103,839; Mar. 30.
Traum, Aaron, New York, N. Y. Table mat or similar article. 103,918; Mar. 30.
Trifari, Krussman & Fishel, Inc. (See Philippe, Alfred, assignor.)
Tyson, Edmund H., Caldwell, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Plastic sheet or similar article. 103,864; Mar. 30.
Van Vleck, Peirce, Washington, D. C. Tire pressure indicator or similar article. 103,883; Mar. 30.
Walker, George W., Pleasant Ridge, Mich., assignor to McAleer Manufacturing Company, Detroit, Mich. Combined faceplate and deflector for a heater. 103,865; Mar. 30.
Waltman, Chauncey E., Chicago, Ill., assignor to Porcelier Manufacturing Company, Greensburg, Pa. Drip coffeepot or analogous article. 103,840; Mar. 30.
Waltman, Chauncey E., Chicago, Ill., assignor to Porcelier Manufacturing Company, Greensburg, Pa. Drip coffeepot or analogous article. 103,841; Mar. 30.
Waltman, Chauncey E., Chicago, Ill., assignor to Porcelier Manufacturing Company, Greensburg, Pa. Drip coffeepot or analogous article. 103,842; Mar. 30.
Warren Telechron Company. (See Teague, Walter D., assignor.)
Wasserman, Isidore, New York, N. Y. Lady's suit. 103,884; Mar. 30.
Waterbury Clock Company, The. (See Granger, Charles H., assignor.)
Waterfield, James, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 103,901; Mar. 30.
Waterfield, James, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 103,902; Mar. 30.
Waterfield, James, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 103,903; Mar. 30.
Welch, Kenneth C., Grand Rapids, Mich., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich. Door handle for refrigerator cabinets or the like. 103,904; Mar. 30.
Welch, Kenneth, Grand Rapids, Mich., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich. Door hinge for refrigerator cabinets or the like. 103,905; Mar. 30.
Wilkinson, George D., and A. F. Harter, Oak Park, assignors to Cribben & Sexton Company, Chicago, Ill. Range. 103,919; Mar. 30.
Williams, Roy H., Oklahoma City, Okla. Traffic line marker. 103,843; Mar. 30.
Willys-Overland Motors, Inc. (See Northup, Amos E., assignor.)
Wolf, William, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 103,906; Mar. 30.
Wood, Glenn D., assignor to Posture Research Corporation, Elkhart, Ind. Chair or similar article. 103,920; Mar. 30.
Zerk, Oscar U., Chicago, Ill. Cover for spare wheels and tires of automotive vehicles. 103,921; Mar. 30.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A/S. Ostfold Skofabriek. (See Jacobson, E., and Carlsson, assignors.)
Aaronson, Harry B., Camden, N. J., assignor to H. Brinton Company, Philadelphia, Pa. Knitting machine. 2,075,077; Mar. 30.
Abbott, George M. (See Jelliffe, H. W., and Abbott, assignors.)
Abbott, Walter H. (See Jelliffe, H. W., and Abbott.)
Abrams, Allen, C. L. Wagner, and G. W. Forcey, Wausau, assignors to Marathon Paper Mills Company, Rothschild, Wis. Horticultural binding tape. 2,075,327; Mar. 30.
Adair, Arthur B., Kenilworth, Ill. Cigar. 2,075,493; Mar. 30.
Adair, George P., Takoma Park, Md. Radio receiving system for vehicles. 2,075,009; Mar. 30.
Adams, Charles A., assignor to Mathews Conveyer Company, Ellwood City, Pa. Conveying mechanism. 2,075,416; Mar. 30.
Adams, Lytle S., Irwin, Pa., assignor of one-half to A. P. Davis, Brooklyn, N. Y. Article deposit and pick-up apparatus for airplanes. 2,075,690; Mar. 30.
Agfa Ansco Corporation. (See Schneider, Wilhelm, assignor.)
Albero, Antonio P., Almazora, Castellon de la Plana, Spain. Apparatus for effecting the removal of foreign bodies from carded webs. 2,075,156; Mar. 30.
Albert, Gerard A., Kennett Square, Pa., assignor to National Vulcanized Fibre Company, Wilmington, Del. Impregnating cellulosic materials and product of said method. 2,075,328; Mar. 30.
Alberti, Elio J., Chicago, Ill. Combined rolling pin and die. 2,075,157; Mar. 30.
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Steering wheel drive for vehicles. 2,075,563; Mar. 30.
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Steering drive axle. 2,075,564; Mar. 30.
Alexander, James N., Birmingham, Ala. Saw. 2,075,329; Mar. 30.
Allan, John, Morris, assignor to Self-Locking Carton Co., Chicago, Ill. Carton. 2,075,417; Mar. 30.
Allen, Joseph W., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Driving mechanism. 2,075,078; Mar. 30.
Allen, Stratford B., Arlington, assignor to E. E. Kent, Newton, Mass. Vibration actuated controller. 2,075,774; Mar. 30.
Allis, Robert T., Springfield, assignor to The Standard Corset Company, Holyoke, Mass. Foundation garment. 2,075,565; Mar. 30.
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Conversion and coking of hydrocarbon oils. 2,075,599; Mar. 30.
Aluminum Plant and Vessel Company Limited, The. (See Seligman, R., Crosby, and Goodman, assignors.)
Ameo, Incorporated. (See Morton, William A., assignor.)
American Blower Corporation. (See Anderson, Edward L., assignor.)
American Brass Company, The. (See Bassett, William H., assignor.)
American Brass Company, The. (See Davis, C. H., and Munson, assignors.)
American Button Sewing Machine Co. (See Moreland, Daniel C., assignor.)
American Engineering Company. (See James, George H., assignor.)
American Engineering Company. (See Preston, Herbert E., assignor.)
American Laundry Machinery Company, The. (See Dewey, James M., assignor.)
American Laundry Machinery Company, The. (See Hanney, Angus F., assignor.)
American Machine & Metals, Inc. (See Mosby, Alfred D., assignor.)
American Radiator Company. (See Woolley, Clarence M., assignor.)
American Rolling Mill Company, The. (See Smith, Russell R., assignor.)
American Sheet and Tin Plate Company. (See Dahl, Lawrence S., assignor.)
American Stove Company. (See Frick, William H., assignor.)
American Telephone and Telegraph Company. (See Branson, D. E., Holden, and Eyster, assignors.)
American Telephone and Telegraph Company. (See Edwards, P. G., and Shoffstall, assignors.)
Amory, Otis T. (See Baruch, H. N., Amory, and Bloxom.)
Amundson, Alfred R., Superior, Wis. Window stop. 2,075,691; Mar. 30.

Anchor Cap & Closure Corporation. (See Podel, Abraham, assignor.)
Anderegg, Frederick O., Newark, Ohio. Reenforced ceramic building construction and method of assembly. 2,075,633; Mar. 30.
Anderson, Charles J., Jr., Jamestown, N. Y. Power transmission. 2,075,418; Mar. 30.
Anderson, Edward L., Grosse Isle, assignor to American Blower Corporation, Detroit, Mich. Gas mixing apparatus. 2,075,258; Mar. 30.
Anderson, Harry J., assignor to Hills-McCanna Company, Chicago, Ill. Fluid pumping device. 2,075,755; Mar. 30.
Anderson, Homer G., Newtonville, assignor to Raytheon Production Corporation, Newton, Mass. Induction heating coil. 2,075,079; Mar. 30.
Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Inc. Fuel distributor. 2,075,158; Mar. 30.
Anderson-Tully Company. (See Ward, Neil C., assignor.)
Andrensen, Howard M., Tremonton, Utah. Treating beet seed. 2,075,159; Mar. 30.
Andrews, L. V., and G. A. Rehm, assignors to Riley Stoker Corporation, Worcester, Mass. Furnace. 2,075,419; Mar. 30.
Angell, William R., Jr., and H. H. Timian, assignors to Continental Motors Corporation, Detroit, Mich. Engine. 2,075,330; Mar. 30.
Angelus, Louis, New York, and D. L. Baylis, Long Island, N. Y.; said Baylis assignor to said Angelus. Dry cleaning apparatus and fluid circulating system therefor. 2,075,010; Mar. 30.
Anthony, Andrew H., Detroit, Mich. Soap holder for scrub pails. 2,075,566; Mar. 30.
Antisell, Frank L., Wilkinsburg, assignor to Copperweld Steel Company, Glassport, Pa. Method and apparatus for the electrodeposition of metal. 2,075,331; Mar. 30.
Antisell, Frank L., Wilkinsburg, assignor to Copperweld Steel Company, Glassport, Pa. Apparatus for the electrodeposition of metal. 2,075,332; Mar. 30.
Argentographica (U. S. A.) Limited. (See de Sperati, M., and Filippi, assignors.)
Armour and Company. (See Conquest, Victor, assignor.)
Armour and Company. (See Ralston, A. W., and Christensen, assignors.)
Arps, Edmund J., Chilton, Wis. Ladder. 2,075,494; Mar. 30.
Arthur, Grace L., et al. (See Sprague, Edward, Jr., assignor.)
Arvin, James A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of paper. 2,075,333; Mar. 30.
Aschheim, Irving A. (See Ish-Shalom, S., Aschheim, and Bloom.)
Askania-Werke Aktiengesellschaft. (See Roux, E., and Imhof, assignors.)
Associated Electric Laboratories, Inc. (See Nelson, Martin L., assignor.)
Associated Electric Laboratories, Inc. (See Robinson, Harold C., assignor.)
Associated Electric Laboratories, Inc. (See Robinson, H. C., and Bellamy, assignors.)
Aten, Marion H., Burlingame, Calif. Door lock. 2,075,495; Mar. 30.
Atherton, Alfred L., Verona, and H. A. Rose, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Excitation system for mercury arc rectifiers. 2,075,011; Mar. 30.
Automatic Drive and Transmission Company. (See Lewis, Robert P., assignor.)
Automobile Ventilation, Inc. (See Rickel, Clarence E., assignor.)
Axelson Manufacturing Company. (See Mancuso, Victor, assignor.)
Baas, Edmund J., Rochester, N. Y. Shoetree. 2,075,420; Mar. 30.
Babcock & Wilcox Company, The. (See Harter, Isaac, assignor.)
Babcock & Wilcox Company, The. (See Lucke, Charles E., assignor.)
Bach, Herbert. (See Hagge, W., and Bach.)
Baker, George R., Willesden, London, England, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Apparatus for feeding biscuits or the like to ovens, pans, conveyers, or the like. 2,075,012; Mar. 30.
Baker, Harry J., Indianapolis, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Valve. 2,075,600; Mar. 30.

Baker, James S., assignor of twenty-five per cent to M. E. Baker, fifty and one-half per cent to M. Barclift, and twenty-four and one-half per cent to J. Vodiska, Oklahoma City, Okla. Universally mountable container. 2,075,080; Mar. 30.
Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Modulated radiator control. 2,075,160; Mar. 30.
Baker, Minnie E., et al. (See Baker, James S., assignor.)
Baker Perkins Company. (See Baker, George R., assignor.)
Baldwin, Alfred W., Blackley, Manchester, England, assignor to Imperial Chemical Industries, Limited. Acylamino alkyl-aryl ethers and their sulphonation products. 2,075,013; Mar. 30.
Bamag-Meguin Aktiengesellschaft. (See Zdansky, Arnold E., assignor.)
Barcliff, Mary, et al. (See Baker, James S., assignor.)
Barényi, Árpád, Berlin-Lichterfelde, assignor to Voigtländer & Sohn Aktiengesellschaft, Brunswick, Germany. Folding camera. 2,075,081; Mar. 30.
Barker, William T., Jr., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Adjustable noncircular orifice ring structure for glass feeders. 2,075,756; Mar. 30.
Barnby, Herbert A., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Container. 2,075,776; Mar. 30.
Barnes, Marion W., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,075,601; Mar. 30.
Barr, Bertram. (See Christionsen, Frederic A., assignor.)
Barrett, Edwin W., Barrington, assignor to Warren Textile and Machinery Supply Co., Warren, R. I. Fillingfeeler for looms. 2,075,775; Mar. 30.
Barrow, George M., Derry, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cotter device. 2,075,082; Mar. 30.
Baruch, Hartwig N., White Marsh, O. T. Amory, Newport News, and O. A. Bloxom, Battery Park, Va. Heating unit. 2,075,161; Mar. 30.
Bassett, Sarah H., executrix. (See Bassett, William H.)
Bassett, William H., Cheshire, assignor to American Brass Company, Waterbury, Conn. Copper silicon alloys. 2,075,014; Mar. 30.
Bassett, William H., deceased, by S. H. Bassett, Cheshire, executrix, said Bassett assignor to The American Brass Company, Waterbury, Conn. Copper-silicon-zinc-tin-lead alloy. 2,075,004; Mar. 30.
Bassett, William H., deceased, by S. H. Bassett, Cheshire, executrix, said Bassett assignor to The American Brass Company, Waterbury, Conn. Copper-silicon-zinc-lead alloy. 2,075,005; Mar. 30.
Batsel, Max C., Collingswood, N. J., and H. Belar, Philadelphia, Pa., assignors to Radio Corporation of America. Photographic recording and reproduction of sound. 2,075,496; Mar. 30.
Battjes, Harold A., Grand Rapids, Mich. Toy construction card. 2,075,259; Mar. 30.
Baumgartner, Otto, Bern-Bumpliz, Switzerland. Carburetor for internal combustion engines. 2,075,692; Mar. 30.
Baylis, Daniel L. (See Angelus, L. and Baylis.)
Beaumont, Eugene P., New York, N. Y. Automatic chain lock. 2,075,015; Mar. 30.
Beech-Nut Packing Company. (See McBean, Douglas N., assignor.)
Begg, Ross H., North Haledon, assignor to Breeze Corporations, Inc., Newark, N. J. Rivet setting device. 2,075,162; Mar. 30.
Behrman, Alfred H., and L. H. Eckhardt, Baraboo, Wis., said Behrman assignor to said Eckhardt. Smoking pipe. 2,075,497; Mar. 30.
Belar, Herbert. (See Batsel, M. C., and Belar.)
Bell, Cornelius D., Jr., Detroit, Mich. Wood preserving and fireproofing composition. 2,075,693; Mar. 30.
Bell Telephone Laboratories, Incorporated. (See Buch, P. E., and Hansen, assignors.)
Bell Telephone Laboratories, Incorporated. (See Chaffee, Joseph G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Chegwidden, R. A., Harazim, Kuhn, and Pettit, assignors.)
Bell Telephone Laboratories, Incorporated. (See Fisher, Joseph R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Giertsen, Oyvind N., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hardesty, James M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Korn, F. A., and Myers, assignors.)
Bell Telephone Laboratories, Incorporated. (See Miller, Victor F., assignor.)
Bell Telephone Laboratories, Inc. (See Roberts, John G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wagar, Harold N., assignor.)
Bellamy, John I. (See Robinson, H. C., and Bellamy.)
Belluche, Elmer W., and F. R., assignors to Christensen Machine Company, Racine, Wis. Sheet feeding machine. 2,075,016; Mar. 30.
Belluche, Frank R. (See Belluche, Elmer W. and F. R.)
Bemis Bro. Bag Co. (See Brady, Charles V., assignor.)
Bendix Aviation Corporation. (See Allen, Joseph W., assignor.)
Benedek, Elek, Mount Gilead, Ohio. Pump and method of silencing and operating pumps. 2,075,017; Mar. 30.
Benedek, Elek K., Bucyrus, Ohio, assignor of one-half to P. von Vágó, Budapest, Hungary. Steering mechanism for vehicles. 2,075,567; Mar. 30.
Benner, Raymond C., and G. J. Easter, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Furnace wall and the like. 2,075,694; Mar. 30.
Bennett, Claude C., South Bend, Ind., assignor to A. E. Feragen, Inc., Seattle, Wash. Wheel-balancer-static type. 2,075,421; Mar. 30.
Bennett, Claude L., assignor of one-fourth to E. J. Hatch, Elgin, Ill. Synchroscope. 2,075,163; Mar. 30.
Bernarde, Henry L., Kearny, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electronic control system. 2,075,083; Mar. 30.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,075,084; Mar. 30.
Bird & Son, Inc. (See Wyman, George R., assignor.)
Birkigt, Marc, Bois-Colombes, France. Machine provided with an automatic firearm. 2,075,086; Mar. 30.
Birkigt, Marc, Bois-Colombes, France. Airplane provided with automatic firearms. 2,075,087; Mar. 30.
Bishop & Babcock Mfg. Company, The. (See Bondurant, Carlton W., assignor.)
Bishop, Lena, and O. Bishop, San Diego, Calif. Laundry cart. 2,075,260; Mar. 30.
Bishop, Leonard J., assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Trolley conveyer. 2,075,261; Mar. 30.
Bishop, Orra. (See Bishop, Lena, and O.)
Black, John C., Los Angeles, Calif., assignor, by mesne assignments, to Gasoline Products Company, Wilmington, Del. Method and apparatus for converting hydrocarbons. 2,075,164; Mar. 30.
Blanchard, Joseph, assignor of one-half to C. G. Yokes, London, England. Silencing gaseous currents. 2,075,088; Mar. 30.
Bloom, Otto I. (See Ish-Shalom, S., Aschcim, and Bloom.)
Bloxom, Obed A. (See Baruch, H. N., Amory, and Bloxom.)
Bodmer, Albert, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Parchmentized fabric and producing the same. 2,075,695; Mar. 30.
Boerstler, Edward W., Watertown, Mass. Apparatus for producing therapeutic rays. 2,075,696; Mar. 30.
Boettner, Joseph L., assignor to Universal Form Clamp Co., Chicago, Ill. Wall tie. 2,075,262; Mar. 30.
Bohan, Marguerite D., et al. (See Springer, Arthur J., assignor.)
Bondurant, Carlton W., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Pump for liquid cooling systems of internal combustion engines. 2,075,498; Mar. 30.
Bonsack, Walter. (See Frost, J. G. G., and Bonsack.)
Bonsack, Walter, Cleveland Heights, and J. G. G. Frost, assignors to The National Smelting Company, Cleveland, Ohio. Aluminum alloy. 2,075,089; Mar. 30.
Bonsack, Walter, Cleveland Heights, and J. G. G. Frost, assignors to The National Smelting Company, Cleveland, Ohio. Aluminum alloy. 2,075,090; Mar. 30.
Bonsack, Walter, Cleveland Heights, and J. G. G. Frost, assignors to The National Smelting Company, Cleveland, Ohio. Aluminum alloy. 2,075,091; Mar. 30.
Boumeester, Huibert G., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric discharge tube. 2,075,165; Mar. 30.
Bourne, Roland B., assignor to The Maxim Silencer Company, Hartford, Conn. Sound attenuating device. 2,075,263; Mar. 30.
Bourne, Roland B., assignor to The Maxim Silencer Company, Hartford, Conn. Sound attenuating device. 2,075,265; Mar. 30.
Bourne, Roland B., and H. H. Maxim, assignors to The Maxim Silencer Company, Hartford, Conn. Spark arrester and silencer. 2,075,264; Mar. 30.
Bousquet, Euclid W. (See Salzberg, P. L., and Bousquet.)
Bouwers, Albert, assignor, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. High voltage discharge tube. 2,075,697; Mar. 30.
Bowen, Joseph M., West Quincy, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,075,698; Mar. 30.
Bowes "Seal Fast" Corporation. (See Mullen, Thomas W., assignor.)
Bowman, Earle L., Attleboro, Mass. Disinfecting dispensing apparatus. 2,075,266; Mar. 30.
Boyé, Alfred, Paris, France. Automatic telephone apparatus. 2,075,634; Mar. 30.
Braden, Marshall H., Rock Island, Ill., assignor, by mesne assignments, to Oil Burner Builders, Inc., Davenport, Iowa. Oil burner draft control. 2,075,334; Mar. 30.
Brady, Charles V., Webster Groves, assignor to Bemis Bro. Bag Co., St. Louis, Mo. Bag. 2,075,166; Mar. 30.
Branson, David E., River Edge, N. J., W. H. T. Holden, New York, N. Y., and J. A. Eyster, Ridgewood, N. J., assignors to American Telephone and Telegraph Company. Telegraph system. 2,075,422; Mar. 30.
Braitschle, Amiel, East Palestine, Ohio. Air turbine. 2,075,423; Mar. 30.

Braun, Frank C., New York, N. Y. Easel spray. 2,075,006; Mar. 30.
Breeze Corporations, Inc. (See Begg, Ross H., assignor.)
Breitling, Ernst, Berlin-Tempelhof, and J. Patzelt, Berlin, Germany, assignors to the National Cash Register Company, Dayton, Ohio. Cash register, accounting and the like machine. 2,075,635; Mar. 30.
Brennan, Patrick J., assignor of one-half to Edw. Fox Baking Co., Inc., York, Pa. Making bakers' products in various shapes. 2,075,699; Mar. 30.
Brewer-Titchener Corporation. (See Johannsen, Udo K., assignor.)
Bridgeport Brass Company. (See Broecker, Lewis C., assignor.)
Brinton, H., Company. (See Aaronson, Harry B., assignor.)
Broecker, Lewis C., assignor to Bridgeport Brass Company, Bridgeport, Conn. Pneumatic valve inside construction. 2,075,167; Mar. 30.
Brook, David H., Brooklyn, N. Y. Coin controlled postage affixing device for letters. 2,075,092; Mar. 30.
Brown, Chester W., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Housing for cut-out switches. 2,075,170; Mar. 30.
Brown Company. (See Burke, Edmund, assignor.)
Brown, David L., Summit, N. J., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Wire forming machine. 2,075,168; Mar. 30.
Brown, Eitel P., Little Rock, assignor of one-half to R. Wood, Bordeaux, Wash. Spar-tree strap and adjustable clamp-eye therefor. 2,075,335; Mar. 30.
Brown, Erie F., Des Moines, Iowa. Apparatus for imprinting tax indicia on items. 2,075,169; Mar. 30.
Brown, Jennings C. (See Stephens, R. M., and Brown.)
Browne, Theodore C., Hinsdale, Ill. Molding and matrix. 2,075,636; Mar. 30.
Brownell, Carl R., assignor to Worcester Tire Fabric Company, Worcester, Mass. Tire carcass cord and manufacture of same. 2,075,777; Mar. 30.
Brunswick-Balke-Collender Company, The. (See Dolison, Dewey H., assignor.)
Bruson, Herman A., Elkins Park, and O. Stein, Lansdowne, assignors to Röhm & Haas Company, Philadelphia, Pa. Tertiary alkylaryloxy alkylols. 2,075,018; Mar. 30.
Buch, Peter E., Passaic, and A. A. Hansen, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 2,075,499; Mar. 30.
Buck, Nelson E., and D. W. Roper, Chicago, and A. P. Thoms, Winnetka, Ill. Stop joint for electric cables. 2,075,019; Mar. 30.
Buckingham, Earle, Belmont, Mass., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for rotary printing machines. 2,075,568; Mar. 30.
Buckner, William A., Fresno, Calif. Traveling sprinkler. 2,075,336; Mar. 30.
Buell, Albert E., and W. A. Schulze, assignors to Phillips Petroleum Company, Bartlesville, Okla. Desulphurizing hydrocarbons. 2,075,171; Mar. 30.
Buell, Albert E., and W. A. Schulze, assignors to Phillips Petroleum Company, Bartlesville, Okla. Desulphurizing hydrocarbons. 2,075,172; Mar. 30.
Buell, Albert E., and W. A. Schulze, assignors to Phillips Petroleum Company, Bartlesville, Okla. Desulphurizing hydrocarbons. 2,075,173; Mar. 30.
Buell, Albert E. and W. A. Schulze, assignors to Phillips Petroleum Company, Bartlesville, Okla. Desulphurizing hydrocarbons. 2,075,174; Mar. 30.
Bull, Harry W., Syracuse, N. Y. Speedometer for bicycles. 2,075,424; Mar. 30.
Burger, Martin, Morris, assignor to Self-Locking Carton Co., Chicago, Ill. Carton. 2,075,425; Mar. 30.
Burke, Edmund, Portland, Maine, assignor to Brown Company, Berlin, N. H. Structural element. 2,075,700; Mar. 30.
Burnaugh, Harold F., Denver, Colo. Ash and soot trap. 2,075,337; Mar. 30.
Burns, Erwin. (See Wickersham, H. P., and Burns.)
Burns, Robert A., Los Angeles, Calif. Sweatproof burial vault. 2,075,500; Mar. 30.
Burton, Euclid O., assignor to Philco Radio & Television Corporation, Philadelphia, Pa. Control and indicator device for radio receivers. 2,075,569; Mar. 30.
Burvenick, Benjamin, Richmond Hill, assignor to Lalance & Grosjean Corporation, New York, N. Y. Transforming die. 2,075,637; Mar. 30.
Byrd, Thomas W., Americus, Ga. Method and apparatus for purifying liquids. 2,075,175; Mar. 30.
C. L. W. Aviation Company. (See Welman, Francis S., assignor.)
Calco Chemical Company, The. (See Crossley, M. L., and Shafer, assignors.)
Cambridge Rubber Co. (See Dunbar, Ernest W., assignor.)
Cannon, Edward S., East Cleveland, Ohio. Device for packing concrete and the like. 2,075,093; Mar. 30.
Capps, Washington T., Baltimore, Md., assignor, by mesne assignments, to The Standard Stoker Company, Inc. Locomotive stoker. 2,075,638; Mar. 30.
Carbide & Carbon Chemicals Corporation et al. (See Fordyce, C. R., and Robertson, assignors.)
Carborundum Company, The. (See Benner, R. C., and Easter, assignors.)
Carborundum Company, The. (See Dawrs, H. P., and Power, assignors.)
Card, William H., assignor of one-half to H. M. Swenson, Los Angeles, Calif. Rotary internal combustion engine. 2,075,786; Mar. 30.
Carlson, Bert G., Queens Village, assignor to Sperry Gyroscope Company, Inc., New York, N. Y. Liquid level horizon. 2,075,502; Mar. 30.
Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Radio receiving system. 2,075,501; Mar. 30.
Carlsson, Johannes. (See Jacobsen, E., and Carlsson.)
Carpenter, William W. S., Oak Park, assignor to Sanford Manufacturing Co., Chicago, Ill. Brush and making same. 2,075,570; Mar. 30.
Carson, Oswald B., Scarsdale, N. Y. Goggles, spectacles, or the like. 2,075,020; Mar. 30.
Cartlidge, Frank. (See Crawford, L. F., and Cartlidge.)
Carver Cotton Gin Company. (See McLean, Robert W., assignor.)
Casablancas, Fernando, Sabadell, Spain. Mechanism for drawing textile rovings. 2,075,571; Mar. 30.
Castle, Chester W., Maplewood, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrode for thermionic discharge devices. 2,075,639; Mar. 30.
Celanese Corporation of America. (See Dreyfus, H., and Haney, assignors.)
Celanese Corporation of America. (See Schneider, George, assignor.)
Centrifix Corporation. (See Hawley, Charles G., assignor.)
Chaffee, Joseph G., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reception of frequency modulated waves. 2,075,503; Mar. 30.
Chapman Manufacturing and Sales Corporation, The. (See Silver, Lincoln N., assignor.)
Chase-Shawmut Company, The. (See Wood, Morris B., assignor.)
Chegwidden, Raymond A., Chatham, N. J., S. J. Harazim, New York, N. Y., J. J. Kuhn, Elizabeth, N. J., and I. C. Pettit, Baldwin, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Remagnetizing device. 2,075,504; Mar. 30.
Christensen, Carl W. (See Ralston, A. W., and Christensen.)
Christensen Machine Company. (See Belluche, Elmer W. and F. R., assignors.)
Christiansen, Frederic A., assignor to B. Barr, New York, N. Y. Toy airplane device. 2,075,267; Mar. 30.
Christmas, Burton, Youngstown, Ohio. Razor and device embodying razor. 2,075,007; Mar. 30.
Christopher, William M., Tonawanda, N. Y., assignor, by mesne assignments, to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Detector. 2,075,701; Mar. 30.
Chubb, Lewis W., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Signaling system. 2,075,094; Mar. 30.
Church, Walter L., Houston, assignor of one-half to W. L. Pearce, Harris County, Tex. Pipe holding apparatus. 2,075,426; Mar. 30.
Church, Walter L., Houston, assignor of one-half to W. L. Pearce, Harris County, Tex. Pipe joint. 2,075,427; Mar. 30.
Clarke, Cecil V., Bedford, England. Braking mechanism. 2,075,176; Mar. 30.
Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Solvent refining of lubricating oil. 2,075,268; Mar. 30.
Clarke, Louis A., Fishkill, and C. C. Towne, Beacon, assignors to The Texas Company, New York, N. Y. Solvent refining of mineral oil. 2,075,269; Mar. 30.
Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)
Cleveland Rock Drill Company, The. (See Feucht, Albert, assignor.)
Cleveland, Rolland L., Springfield, Mo. Egg breaking and separating apparatus and process. 2,075,270; Mar. 30.
Clingestein, Heinrich. (See Zervas, P., and Clingestein.)
Cochran, John L., and D. Ruth, Gladewater, Tex.; M. Ruth, administratrix of said D. Ruth, deceased. Fluid meter. 2,075,177; Mar. 30.
Cohn, Albert, et al. (See Freund, Alfred, assignor.)
Coldwell, John S., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis. Wheel for roller skates. 2,075,271; Mar. 30.
Coles, Walter H., and B. J. Nelson, assignors to The Skinner Irrigation Company, Troy, Ohio. Irrigation device. 2,075,702; Mar. 30.
Colon, Glenn W., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Fastener for typewriters. 2,075,021; Mar. 30.
Colton, Arthur, Company. (See Kath, Alfred W., assignor.)
Combustion Engineering Company. (See Rosencrants, F. H., and Weigel, assignors.)
Conquest, Victor, assignor to Armour and Company, Chicago, Ill. Metal treatment. 2,075,757; Mar. 30.
Consolidated Car-Heating Company. (See Parsons, Robert J., assignor.)
Container Corporation of America. (See Kilmer, Charles B., assignor.)

Container Corporation of America. (See Mackenzie, Colin M., assignor.)
Container Corporation of America. (See Potter, Earl C., assignor.)
Continental Motors Corporation. (See Angell, W. R., Jr., and Timian, assignors.)
Continental Motors Corporation. (See Kalb, L. P., and Meyer, assignors.)
Cook Electric Company. (See Baker, John S., assignor.)
Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Dispensing device for sheet rubber deposited from an aqueous dispersion of rubber and forming and using same. 2,075,178; Mar. 30.
Copperweld Steel Company. (See Antisell, Frank L., assignor.)
Coprox, Incorporated. (See Lazarus, Meyer, assignor.)
Cordes, Oscar C., Upper Darby, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cutter register control. 2,075,095; Mar. 30.
Corning Glass Works. (See Gray, David E., assignor.)
Corning Glass Works. (See Leibig, Edward C., assignor.)
Corning Glass Works. (See Loss, Frank J., assignor.)
Corning Glass Works. (See Smith, Rowland D., assignor.)
Cornwall, Enos, Kansas City, Mo. Protection system. 2,075,640; Mar. 30.
Crawford, Loyal F., and F. Cartlidge, assignors to Goodman Manufacturing Company, Chicago, Ill. Mining and loading system. 2,075,505; Mar. 30.
Creswell, Everett W., Auburn, Mass. Toy sparking pipe. 2,075,703; Mar. 30.
Crites, Joe, Evanston, and R. F. O'Mara, assignors to The Raymond Brothers Impact Pulverizer Company, Chicago, Ill. Drying apparatus. 2,075,506; Mar. 30.
Crommey, George, New York, N. Y. Fireproof bus body. 2,075,096; Mar. 30.
Crosby, Percy L., McLean, Va. Fire arm. 2,075,704; Mar. 30.
Crosby, William E. (See Seligman, R., Crosby, and Goodman.)
Crossley, Moses L., Plainfield, and L. M. Shafer, Highland Park, assignors to The Calco Chemical Company, Inc., Bound Brook, N. J. Orange disazo dyes. 2,075,022; Mar. 30.
Crowell, Orby B., assignor to Viceroy Manufacturing Company, Limited, Toronto, Canada. Production of non-metallic printing plates. 2,075,507; Mar. 30.
Crowley, John C., Cleveland Heights, assignors to The Dill Manufacturing Company, Cleveland, Ohio. Vulcanizing unit. 2,075,705; Mar. 30.
Crystal Electric Sign Company. (See Marten, Raymond L., assignor.)
Cserny, Ludwig, Wiesbaden, Germany, assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Condensation products and process. 2,075,340; Mar. 30.
Cunningham, George L., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Recovery of chlorates by selective extraction with acetone. 2,075,179; Mar. 30.
Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Feeding mechanism for rock drills. 2,075,572; Mar. 30.
Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill front end. 2,075,573; Mar. 30.
Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill. 2,075,706; Mar. 30.
Curtis, Orman P., Bangor, Maine. Kier. 2,075,180; Mar. 30.
Curtis, Richard C., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Reception system. 2,075,181; Mar. 30.
Dach, Max, Flushing, N. Y. Air inlet for internal combustion engines. 2,075,272; Mar. 30.
Dahl, Lawrence S., Gary, Ind., assignor to American Sheet and Tin Plate Company. Rolling metals. 2,075,273; Mar. 30.
Dahlstrom, Frank P., assignor to Morgan Construction Company, Worcester, Mass. Alignment maintenance for the rolls of rolling mills. 2,075,574; Mar. 30.
Damm, Carl N., and A. Pyle, Sr., assignors to Pyle Pattern & Manufacturing Company, Muskegon Heights, Mich. Degree plate. 2,075,008; Mar. 30.
Daniel, William, assignor to Greenhill & Daniel, Inc., Brooklyn, N. Y. Bathing suit. 2,075,387; Mar. 30.
Darling Automatic Stoker Co. (See Darling, Samuel M., assignor.)
Darling, Samuel M., Oak Park, Ill., assignor to Darling Automatic Stoker Co. Fuel stoker. 2,075,274; Mar. 30.
Davey, George W., Worcester, Mass. Furnace wall structure. 2,075,602; Mar. 30.
David, Lester W., Seattle, Wash. Preparing wood for grinding. 2,075,023; Mar. 30.
Davidson, Edward W., Los Angeles, Calif. Suture retainer. 2,075,508; Mar. 30.
Davidson, George W., Pocahontas, Va. Plow tip. 2,075,182; Mar. 30.
Davidson, Louis. (See Kirschner, L., and Davidson.)
Davis, Arthur P. (See Adams, Lytle S., assignor.)
Davis, Charles H., Cheshire, and E. L. Munson, Naugatuck, assignors to The American Brass Company, Waterbury, Conn. Copper base alloys. 2,075,509; Mar. 30.
Davis, John W., Prince George County, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y. Process and apparatus for the treatment of gases. 2,075,510; Mar. 30.
Davison, Robert L., assignor to John B. Pierce Foundation, New York, N. Y. Building construction. 2,075,338; Mar. 30.
Dawrs, Harvey P., Lewiston, and H. R. Power, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Grading machine. 2,075,097; Mar. 30.
Dawson, John W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Metering system. 2,075,098; Mar. 30.
Deahl, Kenneth J. (See Hunter, P. E., and Deahl.)
De Baufre, William L., Lincoln, Nebr. Heat exchanger. 2,075,511; Mar. 30.
Debus, Sander, Hastings, Nebr. Bread slicing machine. 2,075,339; Mar. 30.
De Cloud, Joseph P., Kansas City, Mo. Heat insulating metal body. 2,075,388; Mar. 30.
Delamere Company. (See Kayn, Stephen F., assignor.)
Delano, James K., Poughkeepsie, N. Y. Adapter bushing. 2,075,024; Mar. 30.
De Sperati, Mariano, and J. Filippi, Paris, France, assignors to Argentographica (U. S. A.) Limited, London, England. Collotype process. 2,075,707; Mar. 30.
Detroit Hydrostatic Brake Corporation. (See Sauzedde, Claude, assignor.)
Dewey, James M., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Control for pressing machines. 2,075,183; Mar. 30.
Dickson, James T., Los Angeles, Calif. Pump. 2,075,428; Mar. 30.
Dietz, Joseph B., and H. G. Stauffer, Roanoke, Va., and E. F. Oeffinger, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions and preparing the same. 2,075,025; Mar. 30.
Dill Manufacturing Company, The. (See Crowley, John C., assignor.)
Dirr, George, Cincinnati, Ohio. Meat grinder and cutting knife therefor. 2,075,603; Mar. 30.
Dodd, Ernest, Winter, Saskatchewan, Canada. Plow. 2,075,275; Mar. 30.
Dolan, Pearl C., et al. (See Sprague, Edward, Jr., assignor.)
Dolison, Dewey H., Mount Vernon, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Liquid cooler. 2,075,184; Mar. 30.
Dominion Textile Company Limited. (See Kershaw, John G., assignor.)
Dorgelo, Eduard G., Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 2,075,641; Mar. 30.
Douglas, Stuart D., Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Producing vinyl resins. 2,075,429; Mar. 30.
Douglas, Stuart D., Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Polymerizing vinyl compounds. 2,075,575; Mar. 30.
Dow, Herbert W., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Compressor. 2,075,099; Mar. 30.
Dreyfus, Henry, London, England. Manufacture and treatment of artificial silk and like products. 2,075,027; Mar. 30.
Dreyfus, Henry, London, England. Dehydrogenation of aliphatic ethers. 2,075,100; Mar. 30.
Dreyfus, Henry, London, England. Treatment of carbonaceous materials with reducing gases. 2,075,101; Mar. 30.
Dreyfus, Henry, London, England. Manufacture or treatment of artificial materials. 2,075,430; Mar. 30.
Dreyfus, Henry, London, England, and C. I. Haney, Drummondville, Quebec, Canada, assignors to Celanese Corporation of America. Manufacture of aliphatic anhydrides. 2,075,026; Mar. 30.
Driscoll, Dennis L., Los Angeles, Calif. Rotary well drilling apparatus. 2,075,028; Mar. 30.
Duftschmid, Franz. (See Heinzel, A., and Duftschmid.)
Du Laney, Floyd M., Chicago, Ill. Ignition booster system. 2,075,431; Mar. 30.
Dunbar, Ernest W., Hudson, assignor to Cambridge Rubber Co., Cambridge, Mass. Shoe. 2,075,432; Mar. 30.
Duncan, George C., Jr., Los Angeles, Calif., assignor, by mesne assignments, to Duncan No-Noise Valve & Bowl Company, Inc. Flush valve. 2,075,029; Mar. 30.
Duncan, George C., Jr., Los Angeles, Calif., assignor, by mesne assignments, to Duncan No-Noise Valve & Bowl Company, Inc. Toilet. 2,075,030; Mar. 30.
Duncan No-Noise Valve & Bowl Company. (See Duncan, George C., Jr., assignor.)
Dunham, C. A., Company. (See Van Zandt, John H., assignor.)
Duplate Corporation. (See Kamerer, James W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Arvin, James A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dietz, J. B., Stauffer, and Oeffinger, assignors.)

Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Loder, Donald J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Oplinger, Floyd F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Reichert, J. S., and Sarks, assignors.)
Du Pont, E. I., de Nemours & Company. (See Salzberg, P. L., and Bousquet, assignors.)
Du Pont, E. I., de Nemours & Company. (See Ubben, Richard T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Zeisberg, Fred C., assignor.)
Durand & Huguenin S. A. (See Müller, Max, assignor.)
Duro Metal Products Company. (See Hedgpeth, Theron L., assignor.)
Dymock, John B. (See Joshua, W. P., Stanley, and Dymock.)
Eagle Pencil Company. (See Pischel, Adolf, assignor.)
Eames, William F., Edgewood, and W. R. Harding, Wilkinsburg, Pa., assignors to Westinghouse Electric Elevator Company, Chicago, Ill. Electric elevator system. 2,075,102; Mar. 30.
Easter, George J. (See Benner, R. C., and Easter.)
Eastman Kodak Company, et al. (See Fordyce, C. R., and Robertson, assignors.)
Eastman Kodak Company. (See Mees, Charles E. K., assignor.)
Eckhardt, Levi H. (See Behrman, A. H., and Eckhardt.)
Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)
Edwards, Paul G., Verona, and H. F. Sheffstall, Maplewood, N. J., assignors to American Telephone and Telegraph Company. Apparatus for converting continuous motion into interrupted motion. 2,075,103; Mar. 30.
Eiche, Frederick, Lincoln, Nebr. Greenhouse sash bar. 2,075,642; Mar. 30.
Eiler, William A., Benton, Wis. Portable drill mounting. 2,075,185; Mar. 30.
Einig, Alvin B., Cleveland Heights, assignor to The Motch & Merryweather Machinery Company, Cleveland, Ohio. Method of and machine for grinding or lapping bearing rolls. 2,075,104; Mar. 30.
Eisentrager, Russell C., assignor, by mesne assignments of one-half to The Lite-Cast Corporation, Philadelphia, Pa. Fire box. 2,075,433; Mar. 30.
Eitzen, August D., Rockville Centre, assignor to News Projection Corporation, New York, N. Y. Stock quotation projecting machine. 2,075,512; Mar. 30.
Electric Household Utilities Corporation. (See Gerhardt, Andrew H., assignor.)
Electric Household Utilities Corporation. (See Sekavec, Joseph, assignor.)
Electric Wheel Company. (See Lechtenberg, Leo F., assignor.)
Elliott, Harold F., Palo Alto, Calif., assignor to Radio Corporation of America. Radio receiving circuit. 2,075,513; Mar. 30.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Protein and urea resin molding composition and making same. 2,075,276; Mar. 30.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Ellis, George H., New Brighton, assignor to The Insulite Company, Minneapolis, Minn. Wall construction. 2,075,514; Mar. 30.
Ellis, Stuart, Fredericksburg, Va. Metal flowerpot and decorating same. 2,075,186; Mar. 30.
Emrick, George W., Brooklyn, N. Y. Chuck device. 2,075,031; Mar. 30.
Eubank, William S., Philadelphia, Pa. Air conditioning device. 2,075,389; Mar. 30.
Evans, Gilbert H., New York, N. Y. Water heating apparatus. 2,075,708; Mar. 30.
Evans, Robert D., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 2,075,105; Mar. 30.
Everlastik, Inc. (See Hesse, Richard, assignor.)
Eyster, James A. (See Branson, D. E., Holden, and Eyster.)
Fairbanks, Morse & Co. (See Schneider, Heinrich, assignor.)
Fallou, Jean, Paris, France, assignor to General Electric Company. Selective protective device for electric lines. 2,075,709; Mar. 30.
Farnsworth Television Incorporated. (See Varian, Russell H., assignor.)
Feldspathic Research Corporation. (See Kraner, Hobart M., assignor.)
Felt & Tarrant Mfg. Co. (See Turek, Joseph A. V., assignor.)
Feragen, A. E., Inc. (See Bennett, Claude C., assignor.)
Ferguson, James R., Royal Oak, assignor to Packard Motor Car Company, Detroit, Mich., Clutch control mechanism. 2,075,032; Mar. 30.
Fernseh Aktien-Gesellschaft. (See Schubert, G., and Möller, assignors.)
Feucht, Albert, Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Lubricator. 2,075,576; Mar. 30.
Filippi, Joseph. (See de Sperati, M., and Filippi.)
Finch, William G. H., New York, N. Y. Electronic amplifier. 2,075,604; Mar. 30.
Finckel, William H., Jr., trustee. (See Kee, Charles L., assignor.)
Finkes, George M., assignor to The Union Fork and Hoe Company, Columbus, Ohio. Tool handle. 2,075,277; Mar. 30.
Finlay, Thomas, et al. (See Reynolds, C., and Kucera, assignors.)
Fisher, Joseph R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistance. 2,075,515; Mar. 30.
Fleischer, Paul W., Weehawken, and F. J. Hammer, North Bergen, assignors to New Jersey Machine Corporation, Hoboken, N. J. Machine for covering boxes and the like. 2,075,605; Mar. 30.
Fligg, James A., Elkins Park, Pa. Weaving cut pile fabric. 2,075,187; Mar. 30.
Foerste, William, Pelham Manor, assignor to Packard Properties, Inc., New York, N. Y. Flashing gaseous discharge lamp. 2,075,188; Mar. 30.
Foerste, William, Pelham Manor, assignor to Packard Properties, Inc., New York, N. Y. Gaseous discharge lamp apparatus. 2,075,606; Mar. 30.
Food Machinery Corporation. (See Paxton, Gerald C., assignor.)
Forcey, George W. (See Abrams, A., Wagner, and Forcey.)
Fordyce, Charles R., Rochester, N. Y., and H. F. Robertson, Pittsburgh, Pa., assignors, by mesne assignments, of one-half to Carbide & Carbon Chemicals Corporation and one-half to Eastman Kodak Company, Jersey City, N. J. Moistureproofing composition. 2,075,106; Mar. 30.
Forster, Karl A., Illertissen, Germany. Bee poison preparation. 2,075,390; Mar. 30.
Fowler, Lester T., Oaklyn, N. J., assignor to Radio Corporation of America. Volume control and noise suppression system. 2,075,643; Mar. 30.
Fox, Edw., Baking Co. (See Brennan, Patrick J., assignor.)
Fox Furnace Company. (See Suppes, Max M., assignor.)
Franklin, Joseph S., and L. R. Gilmore, Huntington, W. Va. Combination box toe and heel seat steamer. 2,075,434; Mar. 30.
Franklin Railway Supply Company. (See Titus, H. J., and Wallis, assignors.)
Frantz, Walter A. (See Te Pas, Edmund J., assignor.)
Frazier, Ralph B., Swissvale, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Mixed esters and making the same. 2,075,107; Mar. 30.
Freeman, Milton W., New York, and J. W. Hooley, Larchmont, N. Y.; said Freeman assignor to said Hooley. Multiple fuse and signal plug. 2,075,516; Mar. 30.
Freund, Alfred, assignor of one-half to A. Cohn and one-half to R. Schlesinger, Breslau, Germany. Exhaust pipe. 2,075,758; Mar. 30.
Frick, William H., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Range. 2,075,108; Mar. 30.
Friedrich, Hermann, Leverkusen-I. G. Werk, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparation of acylated polyalkylene polyamines. 2,075,109; Mar. 30.
Frost, John G. G. (See Bonsack, W., and Frost.)
Frost, John G. G., and W. Bonsack, assignors to The National Smelting Company, Cleveland, Ohio. Aluminum alloy. 2,075,517; Mar. 30.
Fulton, Robert H., et al. (See Vretman, Carl G., assignor.)
Galgano, Frank V., Newark, N. J. Chain slip link connection. 2,075,391; Mar. 30.
Galligan, James J., and W. J. Robinson, Providence, R. I., assignors to United States Rubber Products Inc., New York, N. Y. Crinkled rubber and method of making. 2,075,189; Mar. 30.
Garfinkel, Mayer. (See Goldstein, A. M., and Garfinkel.)
Garner, Arthur E., assignor to Garner Products, Inc., New York, N. Y. Toy. 2,075,033; Mar. 30.
Garner Products, Inc. (See Garner, Arthur E., assignor.)
Garretson, Richard E. J., Gering, Nebr., assignor of one-half to E. S. Starrett, Hartville, Wyo. Extensible steering wheel post. 2,075,110; Mar. 30.
Gaskin, Ivan H., Watertown, assignor to Gillette Safety Razor Company, Boston, Mass. Small motor. 2,075,710; Mar. 30.
Gasoline Products Company. (See Black, John C., assignor.)
Gaspar, Béla, Brussels, Belgium. Colored photographic materials and producing them. 2,075,190; Mar. 30.
Gaspar, Béla, Brussels, Belgium. Producing colored photographs. 2,075,191; Mar. 30.
Gaylord, Robert, Incorporated. (See George, Walter C., assignor.)
Gebauer-Fuelnegg, Erich, Evanston, Ill., and E. W. Moffett, Gary, Ind., assignors, by mesne assignments, to Marbon Corporation. Setting of rubber hydrochloride transparent sheets. 2,075,255; Mar. 30.
Gemex Company. (See Sand, John, assignor.)
General Aniline Works, Inc. (See Hagge, W., and Bach, assignors.)
General Aniline Works, Inc. (See Lange, Hans, assignor.)
General Aniline Works, Inc. (See Neresheimer, H., and Vilsmeier, assignors.)

General Aniline Works, Inc. (See Zervas, P., and Clingestein, assignors.)
General Chemical Company. (See Levermore, C. L., and Vivian, assignors.)
General Electric Company. (See Dorgelo, Eduard G., assignor.)
General Electric Company. (See Fallou, Jean, assignor.)
General Electric Company. (See Hehlgans, Friedrich W., assignor.)
General Electric Company. (See Macmillan, Campbell, assignor.)
General Electric Company. (See Moers, Kurt, assignor.)
General Electric Company. (See Paul, William E., assignor.)
General Electric Company. (See Seeley, Harold T., assignor.)
General Motors Corporation. (See Green, Sven E., assignor.)
General Motors Corporation. (See Koehring, Roland P., assignor.)
General Motors Corporation. (See McCormack, Alex A., assignor.)
General Motors Corporation. (See Murden, William T., assignor.)
Geneva Processes, Inc. (See Nester, Samuel K., assignor.)
George, Walter C., assignor to Robert Gaylord, Incorporated, St. Louis, Mo. Roll handling mechanism. 2,075,192; Mar. 30.
George, Willis C. (See Schumacher, J. H., and George.)
Gerhardstein, Clement J., Sandusky, Ohio. Syringe. 2,075,577; Mar. 30.
Gerhardt, Andrew H., assignor to Electric Household Utilities Corporation, Chicago, Ill. Extensible utility shelf. 2,075,644; Mar. 30.
Gerson, Kurt A., Kilburn, London, England. Treatment of gaseous fluids. 2,075,193; Mar. 30.
Getteiman, Fredrick, Milwaukee, Wis. Surfacing one metal with another. 2,075,518; Mar. 30.
Gibson, Clark A., assignor to Sta-Rite Hair Pin Company, Inc., Shelbyville, Ill. Hairpin. 2,075,194; Mar. 30.
Gibson Patent Containers, Ltd. (See Powell, Henry K.)
Giertsen, Oyvind N., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector housing. 2,075,519; Mar. 30.
Gilkey, Louise, et al. (See Schwary, P., and Watson, assignors.)
Gillespie, Wiles L., et al. (See Meyers, Urban R., assignor.)
Gillette Safety Razor Company. (See Bowen, Joseph M., assignor.)
Gillette Safety Razor Company. (See Gaskin, Ivan H., assignor.)
Gilley, Albert M., New Westminster, British Columbia, Canada. Transporting logs. 2,075,711; Mar. 30.
Gilmore, Leslie R. (See Franklin, J. S., and Gilmore.)
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway car wall. 2,075,195; Mar. 30.
Glenn, Jerry H. (See Williams, Jewell R., assignor.)
Globe-Union Inc. (See Coldwell, John S., assignor.)
Goldstein, Albert M., Far Rockaway, and M. Garfinkel, assignors to Sanita Wrapped Products Corporation, Brooklyn, N. Y. Packaging straws and apparatus therefor. 2,075,392; Mar. 30.
Good, Howard E., Waterville, Ohio. Rack. 2,075,279; Mar. 30.
Goodman, Hugh F. (See Seligman, R., Crosby, and Goodman.)
Goodman, John S., Wichita Falls, Tex. Pruning apparatus for trees and the like. 2,075,341; Mar. 30.
Goodman Manufacturing Company. (See Crawford, L. F., and Cartlidge, assignors.)
Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
Goss, William A., Libertyville, assignor to Johnson Motor Company, Waukegan, Ill. Clutch. 2,075,342; Mar. 30.
Grace, Gordon B., and L. P. Lansing, San Francisco, Calif.; said Grace assignor to said Lansing. Dishwashing machine. 2,075,034; Mar. 30.
Graenacher, Charles. (See Straub, F., Grether, and Graenacher.)
Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing carboxylic anhydrides. 2,075,035; Mar. 30.
Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resins. 2,075,343; Mar. 30.
Gray, David E., assignor to Corning Glass Works, Corning, N. Y. Apparatus for making glass building blocks. 2,075,435; March 30.
Green, Louis W. (See Jurist, A. E., and Green.)
Green, Sven E., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Bearing. 2,075,280; Mar. 30.
Greenhill & Daniel, Inc. (See Daniel, William, assignor.)
Gregory, Thurlow G., et al. (See Wilson, Steven, assignor.)
Grether, Fritz. (See Straub, F., Grether, and Graenacher.)
Griesel, Heinrich, Berlin, Germany. Molding apparatus. 2,075,607; Mar. 30.
Griffith, Ronald G., Upper Warlingham, England. Start-stop telegraph. 2,075,712; Mar. 30.
Griffith, Ronald G., Upper Warlingham, England. Telegraph keyboard apparatus. 2,075,713; Mar. 30.
Groff, Frazier. (See Reed, M. C., and Groff.)
Groov-Pin Corporation. (See Von Mertens, Ernest K., assignor.)
Grossman, Leonard, Irvington, and G. Herzberg, Newark, N. J. Incandescent lamp. 2,075,436; Mar. 30.
Gulliksen, Finn H., Wilkinsburg, and S. A. Staege, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Wire guide control. 2,075,111; Mar. 30.
Gunther, Hermann, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stop-motion device for sewing machines. 2,075,759; Mar. 30.
Haas, Irving. (See Zuckerman, Milton, assignor.)
Hageman, Ralph, assignor to Johnson Gas Appliance Company, Cedar Rapids, Iowa. Burner. 2,075,278; Mar. 30.
Hagge, Walter, Dessau in Anhalt, and H. Bach, Bitterfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Hydroxyphenylaminoaryles of the pyrene and chrysene series and producing same. 2,075,393; Mar. 30.
Hainsworth, William R., Larchmont, N. Y., assignor, by mesne assignments, to Servel, Inc. Defrosting control for automatic refrigerators. 2,075,437; Mar. 30.
Hall, Preston M., Worcester, Mass. Smoker's pipe. 2,075,281; Mar. 30.
Hamill, William W., Four Oaks, England. Anchorage. 2,075,714; Mar. 30.
Hamilton, Roy C., San Francisco, Calif. Sealed bearing. 2,075,645; Mar. 30.
Hammer, Franz J. (See Fleischer, P. W., and Hammer.)
Hand, Edgar H., Jarrettown, Pa. Receiver support. 2,075,196; Mar. 30.
Handelman, Morris, Brooklyn, N. Y. Knife sharpener machine. 2,075,608; Mar. 30.
Haney, Clifford I. (See Dreyfus, H., and Haney.)
Hanney, Angus F., assignor to The American Laundry Machinery Company, Norwood, Ohio. Operating means for press control mechanism. 2,075,197; Mar. 30.
Hansen, Arnold A. (See Buch, P. E., and Hansen.)
Hansen, Odd A., Buffalo, N. Y., assignor to The White Motor Company. Operating mechanism for motor vehicle clutches and the like. 2,075,579; Mar. 30.
Harazim, Stanley J. (See Chegwidden, R. A., Harazim, Kuhn, and Pettit.)
Hardesty, James M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tool. 2,075,520; Mar. 30.
Harding, William R. (See Eames, W. F., and Harding.)
Harmon, Ralph N., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vacuum tube circuit frequency changing. 2,075,112; Mar. 30.
Harrison, Albert J., London, assignor to C. E., and S. C. Lucas, Bromley, England. Folding and sliding door, window, and the like. 2,075,716; Mar. 30.
Harrison, George O. (See Parsons, J. S., and Harrison.)
Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 2,075,578; Mar. 30.
Harter, Isaac, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 2,075,609; Mar. 30.
Hartford-Empire Company. (See Barker, William T., Jr., assignor.)
Hartford-Empire Company. (See Rowe, George E., assignor.)
Hartford-Empire Company. (See Smith, Algy J., assignor.)
Hatch, Eugene J. (See Bennett, Claude L., assignor.)
Haun, Alonzo, Phoenix, Ariz. Fish net. 2,075,715; Mar. 30.
Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass. Work support for riveting machines. 2,075,113; Mar. 30.
Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Contacting process and apparatus. 2,075,344; Mar. 30.
Hazelett, Clarence W., Greenwich, Conn. Surfacing metallic rolls for rolling metals and apparatus therefor. 2,075,394; Mar. 30.
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Heberlein Patent Corporation. (See Bodmer, Albert, assignor.)
Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. Bench saw. 2,075,282; Mar. 30.
Hedman Manufacturing Company, The. (See Slettevold, Ole, assignor.)
Hehlgans, Friedrich W., Berlin-Hermsdorf, Germany, assignor to General Electric Company. Cathode ray tube. 2,075,717; Mar. 30.
Heilbron, Isidor M. (See Linstead, R. P., Lowe, Heilbron, and Irving.)
Heinzel, Albert, Oppau, and F. Duftschmid, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of magnetizable alloy. 2,075,283; Mar. 30.
Heitman, Edward, assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,075,438; Mar. 30.
Hemes, Edward C., Whitefish Bay, Wis. Gas meter bellows. 2,075,284; Mar. 30.

Hemingway, Anna S., New York, N. Y. Stocking. 2,075,610; Mar. 30.

Henze, Otto C. W., Brooklyn, and R. V. Tremain, New York, N. Y., said Tremain assignor to said Henze. Delusion apparatus. 2,075,198; Mar. 30.

Heraeus-Vacuumschmetze Aktiengesellschaft. (See Hessenbruch, Werner, assignor.)

Herzberg, Gustav. (See Grossman, L., and Herzberg.)

Hesse, Richard, Pawtucket, R. I., assignor to Everlastik, Inc., Chelsea, Mass. Ankle protector. 2,075,760; Mar. 30.

Hessenbruch, Werner, assignor to the firm Heraeus-Vacuumschmetze Aktiengesellschaft, Hanau-on-the-Main, Germany. Heat-resisting implement. 2,075,718; Mar. 30.

Hewitt, Albertis, Pitman, N. J., assignor to Radio Corporation of America. Making a record mold. 2,075,646; Mar. 30.

Hibberd, Frederick H., Larchmont, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Controlling apparatus for refrigerating systems. 2,075,647; Mar. 30.

Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)

Hild, Frederic W., Los Angeles, Calif. Multiflow cooling system for internal combustion engines. 2,075,521; Mar. 30.

Hillis, David R., Detroit, Mich., assignor to Trabon Engineering Corporation, Cleveland, Ohio. Reversible fluid-distributing system. 2,075,719; Mar. 30.

Hills-McCanna Company. (See Anderson, Harry J., assignor.)

Hirschfeld, Rudolf, New York, N. Y. Trousers construction. 2,075,395; Mar. 30.

Hobart Manufacturing Company, The. (See Reussenzehn, Ernest A., assignor.)

Hobart Manufacturing Company, The. (See Strachan, Thomas H., assignor.)

Hodgson, James. (See Strange, George W., assignor.)

Hoe, R., & Co. (See Buckingham, Earle, assignor.)

Hoffman, Emil, Cologne-Braunsfeld, Germany. Appliance for tensioning and fastening bale ties. 2,075,720; Mar. 30.

Hoffman, Eugene J., St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge tube and the like. 2,075,611; Mar. 30.

Hoffman, Wilhelm A., Berlin-Karlshorst, Germany, assignor to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,075,612; Mar 30.

Holden, William H. T. (See Branson, D. E., Holden, and Eyster.)

Hollingsworth, R. Lee, Riverhead, N. Y., assignor to Radio Corporation of America. Echo recording apparatus. 2,075,285; Mar. 30.

Hollis, Henry L., Chicago, Ill. Air conditioning apparatus and process. 2,075,036; Mar. 30.

Hommel, William B., Geneva, N. Y. Can drinking rim. 2,075,721; Mar. 30.

Hookless Fastener Company. (See Kelley, Roland S., assignor.)

Hooley, John W. (See Freeman, M. W., and Hooley.)

Horinstein, Philip, Chicago, Ill. Display advertising device. 2,075,613; Mar. 30.

Horn, Josef. (See Schade, A., and Horn.)

Horner, William J., Piedmont, Calif. Bed lamp. 2,075,199; Mar. 30.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Electric switch. 2,075,614; Mar. 30.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,075,615; Mar. 30.

Huggins, Bon, Greenville, S. C. Connecting device for harness or jack levers. 2,075,439; Mar. 30.

Hughes, Hoke S., Palmetto, Fla. Ice shaving machine. 2,075,522; Mar. 30.

Hunter, Donald M., Spokane, Wash. Wrapper feeding and cutting device. 2,075,037; Mar. 30.

Hunter, Percy E., and K. J. Deahl, Pittsburgh, Pa., said Deahl assignor to said Hunter. Annealing box. 2,075,114; Mar. 30.

Hunter, Percy E., and K. J. Deahl, Pittsburgh, Pa., said Deahl assignor to said Hunter. Annealing box. 2,075,115; Mar. 30.

Hussar, Julius A., East Cleveland, Ohio. Defrosting refrigerators. 2,075,116; Mar. 30.

Hutchinson, John C., Brazil, Ind. Method and apparatus for manufacturing aerating blocks for sewage disposal filter beds. 2,075,038; Mar. 30.

Hüttner, Fritz, Karlshorst near Berlin, Germany. Power plant. 2,075,648; Mar. 30.

Hygrade Sylvania Corporation. (See Hoffman, Eugene J., assignor.)

Hygrade Sylvania Corporation. (See Jackman, Joseph J., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Friedrich, Hermann, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Heinzel, A., and Duftschmid, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schatz, Hermann, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Strathmeyer, Walter, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Straus, Fritz, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Wilmanns, Gustav, assignor.)

Ibuka, Masaru, Tokyo, Japan. Lighting gas discharge tubes. 2,075,200; Mar. 30.

Illsche, Arthur, Rye, N. Y. Button fastener. 2,075,722; Mar. 30.

Imhof, Hermann. (See Roux, E., and Imhof.)

Imperial Chemical Industries Limited. (See Baldwin, Alfred W., assignor.)

Imperial Chemical Industries Limited. (See Linstead, R. P., Lowe, Heilbron, and Irving, assignors.)

Ingersoll-Rand Company. (See Hibberd, Frederick H., assignor.)

Insulite Company, The. (See Ellis, George H., assignor.)

International Business Machines Corporation. (See Hoffmann, Wilhelm A., assignor.)

International Motor Company. (See Post, Edwin M., Jr., assignor.)

Irving, Francis. (See Linstead, R. P., Lowe, Heilbron, and Irving.)

Ish-Shalom, Samu-el, I. A. Aschheim, and O. I. Blum, New York, N. Y. Display window. 2,075,065; Mar. 30.

Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Scanning device. 2,075,623; Mar. 30.

Jackes-Evans Manufacturing Company. (See Jackes, Stanley F., assignor.)

Jackes, Stanley F., University City, assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo. Sheet metal product. 2,075,286; Mar. 30.

Jackman, Joseph J., Danvers, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge tube and the like. 2,075,761; Mar. 30.

Jackson, Edward Q., et al. (See Salvoni, Ippolito, assignor.)

Jackson, Maunsell B., Toronto, Ontario, Canada. Anti-glare device. 2,075,440; Mar. 30.

Jacobs, Glenn, Fairfield, Iowa. Garment steaming device. 2,075,724; Mar. 30.

Jacobsen, Einar, Halden, and J. Carlsson, Oslo, assignors to A/S. Ostfold Skofabrik, Halden, Norway. Insole for ski-boots. 2,075,723; Mar. 30.

Jagusch, Peter, Elmwood Park, Ill. Sample box making machine. 2,075,287; Mar. 30.

James, George H., assignor to American Engineering Company, Philadelphia, Pa. Wildcat for windlasses. 2,075,524; Mar. 30.

Jay, May O. (See Jay, Webb, assignor.)

Jay, Webb, assignor to M. O. Jay, Miami Beach, Fla. Control mechanism for steering wheels. 2,075,288; Mar. 30.

Jelliffe, Howard W., and W. H. Abbott, Cleveland, Ohio, said Abbott assignor to G. M. Abbott. Frame for holding detachable covers with special reference to dust mops. 2,075,345; Mar. 30.

Jeswine, Adolph M., Helena, Mont. Apparatus for snow removal. 2,075,580; Mar. 30.

Jeswine, Adolph M., Helena, Mont. Apparatus for snow removal. 2,075,581; Mar. 30.

Johannsen, Udo K., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Folding table. 2,075,778; Mar. 30.

Johnson Gas Appliance Company. (See Hageman, Ralph, assignor.)

Johnson, James, Carrollton, and J. W. Yager, Ghent, Ky. Corn knife. 2,075,779; Mar. 30.

Johnson, Milton C., Company. (See Neff, John W., assignor.)

Johnson Motor Company. (See Goss, William A., assignor.)

Johnson, Walter A., Rochester, Minn. Cutter bar guard resetting device. 2,075,117; Mar. 30.

Jolly, William M., Van Horn, Tex. Float valve. 2,075,582; Mar. 30.

Jones, Harry C., New York, N. Y. Line spacing machine. 2,075,201; Mar. 30.

Jonker, Johan L. H., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electron discharge tube. 2,075,202; Mar. 30.

Joseph Memorial Urns, Inc. (See Joseph, Raphael, assignor.)

Joseph, Raphael, Niagara Falls, N. Y., assignor to Joseph Memorial Urns, Inc. Cemetery urn. 2,075,441; Mar. 30.

Joshua, Walter P., Cheam, H. M. Stanley, Tadworth, and J. B. Dymock, Sutton, England. Hydration of olefines. 2,075,203; Mar. 30.

Joshua, Walter P., Cheam, H. M. Stanley, Tadworth, and J. B. Dymock, Sutton, England. Hydration of olefines. 2,075,204; Mar. 30.

Judson, Albert L., Beloit, assignor to Minneapolis-Honeywell Regulator Co., Minneapolis, Minn. Burner control apparatus and system. 2,075,289; Mar. 30.

Jurist, Alfred E., and L. W. Green, Brooklyn, assignors to E. R. Squibb & Sons, New York, N. Y. Purification of alcohols. 2,075,205; Mar. 30.

Kahlisch, Gustav. (See Reiners, W., and Kahlisch.)

Kahn, David, Woodcliff, assignor to David Kahn, Inc., North Bergen, Hudson County, N. J. Writing instrument. 2,075,725; Mar. 30.

Kahn, David, Inc. (See Kahn, David, assignor.)

Kalb, Lewis P., Grosse Pointe Village, and A. J. Meyer, assignors to Continental Motors Corporation, Detroit, Mich. Piston. 2,075,290; Mar. 30.

Kalle & Co., Aktiengesellschaft. (See Schade, A., and Horn, assignors.)

Kamerer, James W., New Kensington, Pa., assignor to Duplate Corporation. Heating safety glass assemblies. 2,075,726; Mar. 30.

Kammerer, Fred W., New York, N. Y. Metal weather strip for mechanically balanced windows. 2,075,616; Mar. 30.

Kantack, Walter W., St. Albans, N. Y. Lighting fixture. 2,075,206; Mar. 30.

Karlsson, Axel H. S., and S. J. Svensson, Linkoping, Sweden. Machine for making and applying bottle caps or capsules. 2,075,727; Mar. 30.

Kath, Alfred W., assignor to Arthur Colton Company, Detroit, Mich. Transfer means for registering wrappers and bands. 2,075,291; Mar. 30.

Kauffman, Edmund J., Girard, assignor to Valley Mould & Iron Corporation, Hubbard, Ohio. Apparatus and method for controlling freezing of ingots. 2,075,039; Mar. 30.

Kaylor, Ernest S., Peoria, Ill. Safety appliance for elevators. 2,075,292; Mar. 30.

Kayn, Stephen F., New York, N. Y., assignor to Delamere Company, Inc. Bow holder. 2,075,728; Mar. 30.

Kee, Charles L., Portsmouth, Va., assignor to W. H. Finckel, Jr., trustee, Washington, D. C. Percussive spinning toy. 2,057,729; Mar. 30.

Keim, Donald B., Camden, N. J., assignor to Radio Corporation of America. Tuning apparatus. 2,075,396; Mar. 30.

Kelley, Roland S., Meadville, Pa., assignor to Hookless Fastener Company. Separable interlocking fastener and making same. 2,075,762; Mar. 30.

Kelley, Roland S., Meadville, Pa., assignor to Hookless Fastener Company. Separable interlocking fastener and making same. 2,075,763; Mar. 30.

Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)

Kelvinator Corporation. (See Heitman, Edward, assignor.)

Kent, Everett E. (See Allen, Stratford B., assignor.)

Kersey, Earl N., Tampico, Tamps, Mexico. Support and lifting attachment for wheels. 2,075,730; Mar. 30.

Kershaw, John G., Drummondville, assignor to Dominion Textile Company Limited, Montreal, Quebec, Canada. Regulating feeding and forming roll in opening and picking machinery. 2,075,525; Mar. 30.

Kessler, Lee H., Springville, N. Y. Sand dewatering apparatus. 2,075,207; Mar. 30.

Kickhofel, Albert A., Detroit, Mich. Educational game. 2,075,442; Mar. 30.

Kieber, Eugen, Cottonwood, Idaho. Protective device for automobiles. 2,075,040; Mar. 30.

Kilmer, Charles B., River Forest, assignor to Container Corporation of America, Chicago, Ill. Container. 2,075,617; Mar. 30.

Kilmer, Charles B., River Forest, assignor to Container Corporation of America, Chicago, Ill. Container. 2,075,618; Mar. 30.

Kirschner, Louis, and L. Davidson, Philadelphia, Pa. Combined strainer and valve. 2,075,443; Mar. 30.

Klemin, Alexander, New York, N. Y. Game apparatus. 2,075,619; Mar. 30.

Kliesrath, Victor W., South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill. Vehicle. 2,075,041; Mar. 30.

Knerr, Hugh J., Langley Field, Va. Transport cargo aircraft. 2,075,042; Mar. 30.

Knight, William P., Danvers, Mass. Aquatic amusement and exercising device. 2,075,649; Mar. 30.

Koch, Winfield R., Camden, N. J., assignor to Radio Corporation of America. Radio signal receiving system. 2,075,526; Mar. 30.

Koehring, Roland P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making a bearing material. 2,075,444; Mar. 30.

Kommer, Orie C., Muskegon Heights, Mich. Hole lapping tool. 2,075,397; Mar. 30.

Korn, Franklin A., Elizabeth, N. J., and O. Myers, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,075,527; Mar. 30.

Krakower, Augusta, New York, N. Y. Watch case. 2,075,650; Mar. 30.

Kraner, Hobart M., Louisville, Ky., assignor to Feldspathic Research Corporation, New York, N. Y. Forming ceramic bodies. 2,075,445; Mar. 30.

Krell, George, Sapulpa, and G. M. Martinet, Tulsa, Okla.; said Martinet assignor to said Krell. Speed transformer. 2,075,118; Mar. 30.

Krenzien, Otto, assignor to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electron discharge device. 2,075,208; Mar. 30.

Kucera, Bohumil G. (See Reynolds, C., and Kucera.)

Kuebler, Walter A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Elevator for conveyer trucks. 2,075,209; Mar. 30.

Kugener, Eugen, Neunkirchen/Saar, Germany. Agglomeration of fine iron ores. 2,075,210; Mar. 30.

Kuhn, John J. (See Chegwidden, R. A., Harazim, Kuhn, and Pettit.)

Kunath, Paul, Dresden, Germany. Car jack. 2,075,398; Mar. 30.

Kund, Ede, Budapest, Hungary. Internal combustion engine control. 2,075,651; Mar. 30.

L. & H. Special Machine Co. Inc., The. (See Lindner, Arthur, assignor.)

Laesch, Walter P., Brighton, assignor to H. Wills, Denver, Colo. Separating and classifying apparatus. 2,075,731; Mar. 30.

Lalance & Grosjean Corporation. (See Burvenick, Benjamin, assignor.)

Lancaster Processes Inc. (See Robinson, Thomas, assignor.)

Landau, Robert, Paris, France. Receptacle for closure by sealing cap. 2,075,346; Mar. 30.

Lange, Gottlieb, Muskogee, Okla. Foot for artificial limbs. 2,075,583; Mar. 30.

Lange, Hans, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Tertiary amines of the benzene series and making the same. 2,075,347; Mar. 30.

Lansing, Louis P. (See Grace, G. B., and Lansing, assignors.)

Lansing, Raymond P., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,075,119; Mar. 30.

Lara, Miguel L., Puebla Pue, Mexico. Device for sharpening and stropping cutting implements. 2,075,348; Mar. 30.

Larkin, John J., St. Louis, Mo. Well casing attachment. 2,075,293; Mar. 30.

Lauffer, Emile, Liege, Belgium. Sandblast apparatus. 2,075,732; Mar. 30.

Lavarack, Frederick C., Montclair, N. J., and F. B. Wiegand, Cleveland, Ohio, assignors to Railroad Accessories Corporation, New York, N. Y. Cable riser. 2,075,780; Mar. 30.

Lawrence, A. C., Leather Company. (See Whiting, Harold B., assignor.)

Lawton, Harvey B., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Refrigeration. 2,075,349; Mar. 30.

Lazarus, Meyer, assignor to Coprox, Incorporated, Brooklyn, N. Y. Resistance and impedance elements for electric circuits. 2,075,733; Mar. 30.

Lechtenberg, Leo F., assignor to Electric Wheel Company, Quincy, Ill. Tractor semitrailer fifth wheel structure. 2,075,781; Mar. 30.

Leeds and Northrup Company. (See Schock, John F., assignor.)

Lees-Bradner Company, The. (See Warner, H. C., and Schurr, assignors.)

Lefler, Melvin N. (See Lundelius, O. F., and Lefler.)

Leibig, Edward C., assignor to Corning Glass Works, Corning, N. Y. Colored glass article and making it. 2,075,446; Mar. 30.

Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming vehicle wheels. 2,075,294; Mar. 30.

Leland, Ragnvald G., New York, N. Y. Hair-waving apparatus. 2,075,652; Mar. 30.

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electronic apparatus. 2,075,120; Mar. 30.

Lessmann, Gerhard P., Forest Hills, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Resistance welding apparatus. 2,075,121; Mar. 30.

Letzerich, Harry O., Philadelphia, Pa. Beam compass carriage. 2,075,528; Mar. 30.

Leubrie, Spencer, New York, N. Y. Juvenile book. 2,075,529; Mar. 30.

Levermore, Charles L., Rockville Centre, and R. E. Vivian, assignors to General Chemical Company, New York, N. Y. Manufacture of phosphoric acid. 2,075,212; Mar. 30.

Leverone, Frank J., Medford, Mass. Folding chair. 2,075,350; Mar. 30.

Levin, Harold L. (See Reade, R. W. B., and Levin.)

Levy, Leonard A., and D. W. West, London, England. Fluorescent material. 2,075,399; Mar. 30.

Lewis, James V., et al. (See Meyers, Urban R., assignor.)

Lewis, Robert P., Toledo, Ohio, assignor to Automatic Drive and Transmission Company, Gloucester City, N. J. Automatic clutch mechanism. 2,075,211; Mar. 30.

Libbey, Allen G., Somerville, Mass. Stabilizing alcoholic beverages. 2,075,653; Mar. 30.

Lieb, Christian N., Findlay, Ohio. Vehicle brake. 2,075,734; Mar. 30.

Lilienfeld, Julius E., Winchester, Mass., assignor, by mesne assignments, to The Magnavox Company, Fort Wayne, Ind. Electrolytic condenser. 2,075,351; Mar. 30.

Lindars, Herman. (See Reidinger, A., and Maddison, assignors.)

Lindner, Arthur, deceased; O. A. Lindner and A. Muller, executors, assignors to The L. & H. Special Machine Co. Inc., Brooklyn, N. Y. Article covering machine. 2,075,213; Mar. 30.

Lindner, Oscar A., executor, et al. (See Lindner, Arthur.)
Line Material Company. (See Brown, Chester W., assignor.)
Linstead, Reginald P., and A. R. Lowe, London, I. M. Heilbron, Manchester, and F. Irving, Grangemouth, England, assignors to Imperial Chemical Industries Limited. Producing a copper phthalocyanine compound. 2,075,043; Mar. 30.
Lite-Cast Corporation, The. (See Eisentrager, Russell C., assignor.)
Lockspeiser, Benny. (See Ramsbottom, J. E., Lockspeiser, and Stewart.)
Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic sulphides and their preparation. 2,075,295; Mar. 30.
Loewe, Siegmund, and B. Wienecke, Berlin, Germany. Indirectly heated cathode. 2,075,122; Mar. 30.
Lohman, Francis, Detroit, Mich. Warning speed indicator. 2,075,530; Mar. 30.
Loomis, Evarts G., Newark, N. J. Continuous method of and apparatus for making plastic products. 2,075,735; Mar. 30.
Lorentzen, Hans K., Montclair, N. J. Venetian blind fitting. 2,075,214; Mar. 30.
Loss, Frank J., Detroit, Mich., assignor to Corning Glass Works, Corning, N. Y. Traffic signal device. 2,075,447; Mar. 30.
Lowe, Arthur R. (See Linstead, R. P., Lowe, Heilbron, and Irving.)
Lower, Nathan M., Crestwood, Tuckahoe, assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Driving mechanism. 2,075,352; Mar. 30.
Lower, Nathan M., Erie, Pa., assignor to The Standard Stoker Company, Inc. Fuel distributing apparatus. 2,075,736; Mar. 30.
Lucas, Charles E., et al. (See Harrison, Albert J., assignor.)
Lucas, Sydney C., et al. (See Harrison, Albert J., assignor.)
Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat exchanger. 2,075,044; Mar. 30.
Lundellus & Eccleston Motors Corporation. (See Lundellus, O. F., and Lefler, assignors.)
Lundellus, Oscar F. and M. N., assignors to Lundellius & Eccleston Motors Corporation, Los Angeles, Calif. Vehicle chassis-front end construction. 2,075,531; Mar. 30.
Lundquist, Willard O., and R. W. Ma Comb, Cherokee, Iowa. Husking roller. 2,075,448; Mar. 30.
Lunken, Edmund H., Hartsdale, N. Y., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Double disk gate valve. 2,075,123; Mar. 30.
Lunkenheimer Company, The. (See Lunken, Edmund H., assignor.)
Lyle, Frederick W., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical system. 2,075,124; Mar. 30.
Mabry, Forrest S., and C. J. Madsen, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Beacon system. 2,075,125; Mar. 30.
Mackay, William J. K., El Dorado, Calif. Antidripping device. 2,075,782; Mar. 30.
Mackenzie, Colin M., Wabash, Ind., assignor to Container Corporation of America, Chicago, Ill. Coating apparatus. 2,075,620; Mar. 30.
Macmillan, Campbell, Scotia, N. Y., assignor to General Electric Company. Dynamic braking of induction motors. 2,075,738; Mar. 30.
Ma Comb, Robert W. (See Lundquist, W. O., and Ma Comb.)
Maddison, Thomas B. (See Reidinger, A., and Maddison.)
Madsen, Carl J. (See Mabry, F. S., and Madsen.)
Magnavox Company, The. (See Lilienfeld, Julius E., assignor.)
Magruder, John O., assignor of one-half to G. H. Werfelman, Los Angeles, Calif. Sewer cleaning apparatus. 2,075,215; Mar. 30.
Mancuso, Victor, assignor to Axelson Manufacturing Company, Los Angeles, Calif. Valve seat lapping machine. 2,075,216; Mar. 30.
Manhattan Company, President and Directors of the, trustee. (See Powell, Henry K.)
Manson, George J., Hawkesbury, Ontario, Canada. Thermo-plastic. 2,075,045; Mar. 30.
Marathon Paper Mills Company. (See Abrams, A. Wagner, and Forcey, assignors.)
Marbon Corporation. (See Gebauer-Fuelnegg, E., and Moffett, assignors.)
Marbon Corporation. (See Winkelmann, Herbert A., assignor.)
Marbon Corporation. (See Winkelmann, H. A., and Moffett, assignors.)
Marden, William L., Jackson Heights, assignor to Neptune Meter Company, New York, N. Y. Apparatus for the measured dispensing of liquids. 2,075,126; Mar. 30.
Marks Products Co. (See Smith, Christopher L., assignor.)
Marten, Raymond L., assignor to Crystal Electric Sign Company, St. Louis, Mo. Illuminated display apparatus. 2,075,764; Mar. 30.
Martin, Charles E., Rosario de Santa Fe, Argentina. Rotary engine, pump, or compressor. 2,075,654; Mar. 30.
Martin, Charles H., Argos, Ind. Quick changeable automobile wheel. 2,075,584; Mar. 30.
Martin, Louis J., Galveston, Tex. Vehicle and spring suspension therefor. 2,075,585; Mar. 30.
Martinet, Guy M. (See Krell, G., and Martinet.)
Mason, Frank, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Oiling device. 2,075,532; Mar. 30.
Master Package Corporation, The. (See Parkinson, Oscar E., assignor.)
Mathews Conveyer Company. (See Adams, Charles A., assignor.)
Mathieson Alkali Works, Inc., The. (See Cunningham, George L., assignor.)
Maxim, Hiram H. (See Bourne, R. B., and Maxim.)
Maxim Silencer Company, The. (See Bourne, Roland B., assignor.)
Maxim Silencer Company, The. (See Bourne, R. B., and Maxim, assignors.)
Mazzucchelli, Vittorio, Milan, Italy. Apparatus for the linear measurement of strip material. 2,075,400; Mar. 30.
McBean, Douglas M., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Removing odor from labels and other printed material. 2,075,533; Mar. 30.
McCormack, Alex A., assignor to General Motors Corporation, Dayton, Ohio. Seal for refrigerating apparatus. 2,075,769; Mar. 30.
McCormack, Charles V., Gary, Ind. Mouth prop. 2,075,534; Mar. 30.
McFarlane, Andrew, Maspeth, N. Y. Bird nest. 2,075,739; Mar. 30.
McKay, William F., Maplewood, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Duplex valve. 2,075,740; Mar. 30.
McLean, Robert W., assignor to Carver Cotton Gin Company, Bridgewater, Mass. Gin. 2,075,586; Mar. 30.
McMahon, Cecil E., Kansas City, Kans. Vehicle body. 2,075,449; Mar. 30.
Mead, Morris W., Jr., Bloomfield, assignor to National Grain Yeast Corporation, Belleville, N. J. Clarification of molasses. 2,075,127; Mar. 30.
Meakin, Edgar N., San Francisco, Calif. Extruding machine. 2,075,450; Mar. 30.
Mechanical Handling Systems, Inc. (See Bishop, Leonard J., assignor.)
Meehan, William J., Jr., et al. (See Springer, Arthur J., assignor.)
Mees, Charles E. K., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic emulsion containing supersensitized pinacyanol. 2,075,046; Mar. 30.
Mees, Charles E. K., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic emulsion containing supersensitized pseudocyanines. 2,075,047; Mar. 30.
Mees, Charles E. K., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic emulsion containing supersensitized carbocyanines. 2,075,048; Mar. 30.
Mesinger, Frederick, New York, N. Y. Automatic deflector and draft regulator. 2,075,587; Mar. 30.
Meyer, Andre J. (See Kalb, L. P., and Meyer.)
Meyers, Urban R., assignor of one-third to J. V. Lewis, and one-sixth to W. L. Gillespie, Kansas City, Mo. Mirror and picture frame. 2,075,588; Mar. 30.
Miers, John, Oostburg, Wis. Motor vehicle control. 2,075,535; Mar. 30.
Milburn, Frank S., Covington, Ky. Bottle holder. 2,075,217; Mar. 30.
Miller, Gustav A., Bloomington, Ill. Crank shaft. 2,075,741; Mar. 30.
Miller, Lillian M., Fort Harrison, Mont. Knitting device and knitting. 2,075,621; Mar. 30.
Miller, Victor F., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,075,536; Mar. 30.
Minneapolis-Honeywell Regulator Co. (See Judson, Albert L., assignor.)
Mitchell, Joseph F., Parsippany, N. J., assignor, by mesne assignments, to Smith Hood & Seal Corporation, Syracuse, N. Y. Bottle-capping machine. 2,075,296; Mar. 30.
Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Wrist watch adapter. 2,075,451; Mar. 30.
Miyazaki, Jisuke, Tokyo, Japan. Device for removing undesirable frequencies from electric circuits. 2,075,218; Mar. 30.
Mobley, William R., Miami, Fla. Separator for liquids and solids. 2,075,353; Mar. 30.
Moers, Kurt, Berlin-Steglitz, Germany, assignor to General Electric Company. Shaped bodies manufactured from an alloy of tungsten carbide or molybdenum carbide. 2,075,742; Mar. 30.
Moffett, Eugene W. (See Gebauer-Fuelnegg, E., and Moffett.)
Moffett, Eugene W. (See Winkelmann, H. A., and Moffet.)
Möller, Rolf. (See Schubert, G., and Möller.)
Monier, Namee, New York, N. Y. Collapsible game table. 2,075,354; Mar. 30.

Moreland, Daniel C., Medford, assignor to American Button Sewing Machine Co., Waltham, Mass. Sewing machine. 2,075,537; Mar. 30.
Morelite Company. (See Nickelsburg, S., and Tyroler, assignors.)
Morgan Construction Company. (See Dahlstrom, Frank P., assignor.)
Morton, William A., Mount Lebanon, assignor to Amco, Incorporated, Pittsburgh, Pa. Glass annealing lehr. 2,075,452; Mar. 30.
Mosby, Alfred D., Moline, Ill., assignor, by mesne assignments, to American Machine & Metals, Inc., New York, N. Y. Display stand. 2,075,401; Mar. 30.
Motch & Merryweather Machinery Company, The. (See Einig, Alvin B., assignor.)
Mouromtseff, Ilia E., and H. V. Noble, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Standing wave oscillating system. 2,075,128; Mar. 30.
Mueller, Eugen, Owen Sound, Ontario, Canada. Sign and manufacture thereof. 2,075,655; Mar. 30.
Mulder, Johannes G. W., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Discharge tube. 2,075,355; Mar. 30.
Muldoon, Anthony M., Hightstown, N. J. Pile fabric loom. 2,075,402; Mar. 30.
Mullen, Thomas W., El Dorado, Ark., assignor to Bowes "Seal Fast" Corporation, Indianapolis, Ind. Combined blow-out patch and plug. 2,075,453; Mar. 30.
Muller Aurelle, executor et al. (See Lindner, Arthur.)
Müller, Max, assignor to the firm Durand & Huguenin S. A., Basel, Switzerland. Mordant azodyestuffs and their production. 2,075,743; Mar. 30.
Munson, Elmer L. (See Davis, C. H., and Munson.)
Munz, Elmer G., Detroit, Mich. Spray head. 2,075,589; Mar. 30.
Muramatsu, Somenosuke, Oakland, Calif. Decorative illuminating bulb. 2,075,744; Mar. 30.
Murden, William T., Forestville, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing mounting. 2,075,745; Mar. 30.
Myers, Oscar. (See Korn, F. A., and Myers.)
N. V. Philips' Gloeilampenfabrieken. (See Boumeester, Huibert G., assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Jonker, John L. H., assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Mulder, Johannes G. W., assignor.)
Naamlooze Vennootschop Machinerieen- en apparatenfabrieken "Meaf". (See von Langen, Walter, assignor.)
National Cash Register Company, The. (See Breitling, E., and Patzelt, assignors.)
National Grain Yeast Corporation. (See Mead, Morris W., Jr., assignor.)
National Machine Products Company. (See Quesada, Irving G., assignor.)
National Smelting Company, The. (See Bonsack, W., and Frost, assignors.)
National Smelting Company, The. (See Frost, John G. G., and Bonsack, assignors.)
National Vulcanized Fibre Company. (See Albert, Gerard A., assignor.)
Naulty, James N., East Orange, N. J. Animal head form. 2,075,219; Mar. 30.
Neff, John W., New Rochelle, N. Y., assignor to Milton C. Johnson Company, New York, N. Y. Safety paper. 2,075,538; Mar. 30.
Nehlsen, Hermann, Meererbusch, near Dusseldorf, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Extrusion press with electrically heated container. 2,075,622; Mar. 30.
Nelman, Abram, Cologne, Germany. Suspension and springing means for motor-cars and motor vehicles. 2,075,746; Mar. 30.
Nelson, Bert J. (See Coles, W. H., and Nelson.)
Nelson, Martin L., Park Ridge, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Electric signaling system. 2,075,454; Mar. 30.
Neptune Meter Company. (See Marden, William L., assignor.)
Neresheimer, Heinrich, and A. Vilsmeier, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compounds of the dibenzanthrone series. 2,075,455; Mar. 30.
Neresheimer, Heinrich, and A. Vilsmeier, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compounds of the dibenzanthrone series. 2,075,456; Mar. 30.
Nester, Samuel K., assignor to Geneva Processes, Inc., Geneva, N. Y. Apparatus for dispersing materials. 2,075,403; Mar. 30.
Neuhausen, Sebastian P., Lombard, Ill. Rake. 2,075,220; Mar. 30.
New Idea Spreader Company, The. (See Synck, Adolph J., assignor.)
New Jersey Machine Corporation. (See Fleischer, P. W., and Hammer, assignors.)
News Projection Corporation. (See Eitzen, August D. assignor.)
Nickelsburg, Sidney, and A. Tyroler, assignors to Morelite Company, Inc., New York, N. Y. Shield for optical units. 2,075,539; Mar. 30.
Nielsen, Bernhardt. (See Wild, G. F., and Nielsen.)
Niemi, Matti, Juneau, Alaska. Paper cup. 2,075,049; Mar. 30.
Nika, Louis, New York, N. Y. Transmission gearing. 2,075,404; Mar. 30.
Noble, Harrell V. (See Mouromtseff, I. E., and Noble.)
Nolte, Otto, Twin Bridges, Mont. Dry placer machine. 2,075,747; Mar. 30.
Nordberg Manufacturing Company. (See Dow, Herbert W., assignor.)
North, Tom H., assignor of one-third to T. E. Page, Jonesboro, Ark., and one-third to H. E. Page, Atlanta, Ga. Golf green or the like. 2,075,590; Mar. 30.
Northrup, King & Company. (See Williams, Herman H., assignor.)
Novo Engine Company. (See Teel, Eric P., assignor.)
Nowinski, John A., assignor to Packard Motor Car Company, Detroit, Mich. Article handling mechanism. 2,075,050; Mar. 30.
Nu-Way Shoe Stretcher Company. (See Parr, Peter, assignor.)
Nye, Norman H., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Winding device. 2,075,457; Mar. 30.
O'Brien, John J., assignor to South Bend Lathe Works, South Bend, Ind. Belt drive. 2,075,297; Mar. 30.
Oeffinger, Edmund F. (See Dietz, J. B., Stauffer, and Oeffinger.)
Ohio Chemical and Manufacturing Company, The. (See Sholes, Justin G., assignor.)
Ohio Corrugating Company, The. (See Vaughn, Harold G., assignor.)
Oil Burner Builders, Inc. (See Braden, Marshall H., assignor.)
Okonite-Callender Cable Company, The. (See Watson, John F., assignor.)
Olund, Charles J., Cambridge, Minn. Combined bag rack and twine holder. 2,075,129; Mar. 30.
O'Mara, Richard F. (See Crites, J., and O'Mara.)
Oplinger, Floyd F., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Zinc plating. 2,075,623; Mar. 30.
Orion Electric Company. (See Sayre, Gordon B., assignor.)
Oster, John, assignor to John Oster Manufacturing Co., Racine, Wis. Display rack. 2,075,298; Mar. 30.
Oster, John, Manufacturing Co. (See Oster, John, assignor.)
Osterholm, William C., Oak Park, Ill. Clutch. 2,075,130; Mar. 30.
Owens-Illinois Glass Company. (See Barnby, Herbert A., assignor.)
Owens-Illinois Glass Company. (See Soubier, Leonard D., assignor.)
Packard Motor Car Company (See Best, Frank C., assignor.)
Packard Motor Car Company. (See Ferguson, James R., assignor.)
Packard Motor Car Company. (See Nowinski, John A., assignor.)
Packard Motor Car Company. (See Paton, Clyde R., assignor.)
Packard Properties, Inc. (See Foerste, William, assignor.)
Page, Harold E., et al. (See North, Tom H., assignor.)
Page, Thomas E., et al. (See North, Tom H., assignor.)
Palenzuela, Rafael P., Habana, Cuba. Smoke washer. 2,075,221; Mar. 30.
Pantex Pressing Machine, Inc. (See Pendleton, Pyam L., assignor.)
Parker, Arthur L., Cleveland, Ohio. Disk valve assembly. 2,075,458; Mar. 30.
Parker, Arthur L., Cleveland, Ohio. Cylindrical valve. 2,075,459; Mar. 30.
Parker, Arthur L., Cleveland, Ohio. Valve assembly. 2,075,460; Mar. 30.
Parkinson, Oscar E., assignor to The Master Package Corporation, Owen, Wis. Container. 2,075,131; Mar. 30.
Parmenter, Bert N., Lake Forest, Ill. Ventilator for windows and the like. 2,075,461; Mar. 30.
Parmenter, Bert N., Lake Forest, Ill. Venetian blind. 2,075,462; Mar. 30.
Parr, Peter, assignor to Nu-Way Shoe Stretcher Company, St. Louis, Mo. Rotary utility cabinet. 2,075,051; Mar. 30.
Parsons, John S., Swissvale, and G. Harrison, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network system of distribution. 2,075,132; Mar. 30.
Parsons, Robert J., Schenectady, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Heater. 2,075,463; Mar. 30.
Pasman, Abram N., Milford, Conn. Curtain rod construction. 2,075,052; Mar. 30.
Patent and Licensing Corporation, The. (See Reade, R. W. N., and Levin, assignors.)
Patent and Licensing Corporation, The. (See van Hulst, Jan, assignor.)
Paternayan, Harry M., New York, N. Y. Rug and carpet binding sewing machine. 2,075,656; Mar. 30.

Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,075,085; Mar. 30.
Patzelt, Julius. (See Breitling, E., and Patzelt.)
Paul, Leon R., Brooklyn, N. Y. Pouring display means for contained liquids. 2,075,405; Mar. 30.
Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Electric circuit breaker. 2,075,748; Mar. 30.
Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Electric circuit breaker. 2,075,749; Mar. 30.
Paxton, Gerald C., Sanger, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Box feeding device for lidders. 2,075,053; Mar. 30.
Payá Rico, Raimundo, Ibi, Spain. Toy cinematograph and sound apparatus. 2,075,470; Mar. 30.
Pearce, W. L. (See Church, Walter L., assignor.)
Pease, John W., Rochester, N. Y. Seed ceiling knife. 2,075,750; Mar. 30.
Peek, Horace H., Sr., Chattanooga, Tenn. Boiler. 2,075,222; Mar. 30.
Pendleton, Pyam L., Edgewood, assignor to Pantex Pressing Machine, Inc., Pawtucket, R. I. Pressing machine. 2,075,299; Mar. 30.
Pescara, Raul P., Paris, France. Apparatus for producing a compressed and heated gas. 2,075,133; Mar. 30.
Petersen, Edgar G., and H. D. Seitz, assignors to Pines Winterfront Co., Chicago, Ill. Liquid delivering apparatus. 2,075,356; Mar. 30.
Petreikis, Joseph M., Chicago, Ill. Combination automobile heater and windshield defroster. 2,075,464; Mar. 30.
Pettit, Irving C. (See Chegwidden, R. A., Harazim, Kuhn, and Pettit.)
Pflanz, Ernst L., Glencoe, Ill. Filter. 2,075,300; Mar. 30.
Philco Radio & Television Corporation. (See Burton, Euclid O., assignor.)
Phillips & Butorff Mfg. Co. (See Rollins, Clark B., assignor.)
Phillips Petroleum Company. (See Buell, A. E., and Schulze, assignors.)
Phoenix Metal Cap Company. (See Taliaferro, Thomas L., assignor.)
Pierce, John B., Foundation. (See Davison, Robert L., assignor.)
Pines Winterfront Co. (See Petersen, E. G., and Seitz, assignors.)
Pipenhagen, Charles A., Chicago, Ill. Lawn edge trimmer. 2,075,301; Mar. 30.
Pischel, Adolf, assignor to Eagle Pencil Company, New York, N. Y. Pencil lead and making the same. 2,075,223; Mar. 30.
Pitman, Henry L., Westfield, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,075,540; Mar. 30.
Pittsburgh Plate Glass Company. (See Sherts, James H., assignor.)
Pittsburgh Plate Glass Company. (See Toney, Edward F., assignor.)
Plott, Ernest B. (See Wallis, W. C., and Plott.)
Podel, Abraham, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Sealing machine. 2,075,054; Mar. 30.
Poe, Ralph W., Canton, Ill. Metal severing tool. 2,075,302; Mar. 30.
Poore, John F., Denver, Colo. Placer machine. 2,075,357; Mar. 30.
Porteous, William K., St. Margaret's, Twickenham, assignor of fifteen per cent to W. T. Towler, London, England. Sewage disposal. 2,075,224; Mar. 30.
Post, Edwin M., Jr., assignor to International Motor Company, New York, N. Y. Humidity control for refrigerating mechanism. 2,075,225; Mar. 30.
Potter, Earl C., assignor to Container Corporation of America, Chicago, Ill. Container. 2,075,624; Mar. 30.
Powell, Henry K., Chicago, Ill., assignor, by mesne assignments, to President and Directors of the Manhattan Company, trustee for Gibson (Patent Containers, Ltd.) Container. 2,075,465; Mar. 30.
Power, Henry R. (See Dawrs, H. P., and Power.)
Powers, W. F., Company, The. (See Powers, W. S., and Storch, assignors.)
Powers, William S., New York, and O. P. Storch, Ozone Park, assignors to The W. F. Powers Company, New York, N. Y. Collapsible merchandise displaying device. 2,075,657; Mar. 30.
Prager, Herman, Metairie, La. Cigar piercing machine. 2,075,055; Mar. 30.
Preston, Frank W., Paterson, N. J. Shedding mechanism for looms. 2,075,303; Mar. 30.
Preston, Herbert E., assignor to American Engineering Company, Philadelphia, Pa. Stoker furnace. 2,075,541; Mar. 30.
Prinyn, Francis L., Sea Girt, N. J., assignor to Underpinning and Foundation Company, Inc., New York, N. Y. Filtration of sewage and the like. 2,075,542; Mar. 30.
Pyle, Adam, Sr. (See Damm, C. N., and Pyle.)
Pyle Pattern & Manufacturing Company. (See Damm, C. N., and Pyle, assignors.)
Queneau, Augustin L. J., Bernardsville, N. J. Electromagnetically separating ores. 2,075,466; Mar. 30.
Quesada, Irving G., Washington, D. C., assignor to National Machine Products Company, Detroit, Mich. Valve operating mechanism. 2,075,467; Mar. 30.
Radio Corporation of America. (See Batsel, M. C., and Belar, assignors.)
Radio Corporation of America. (See Carlson, Wendell L., assignor.)
Radio Corporation of America. (See Castle, Chester W., assignor.)
Radio Corporation of America. (See Elliott, Harold F., assignor.)
Radio Corporation of America. (See Fowler, Lester T., assignor.)
Radio Corporation of America. (See Hewitt, Albertis, assignor.)
Radio Corporation of America. (See Hollingsworth, R. Lee, assignor.)
Radio Corporation of America. (See Keim, Donald B., assigor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Scheibell, Gordon B., assignor.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Corporation of America. (See Zadig, Ernest A., assignor.)
Railroad Accessories Corporation. (See Lavarack, F. C., and Wiegand, assignors.)
Rajewsky, Otto J. (See Stockl, M., and Rajewsky.)
Ralston, Anderson W., and C. W. Christensen, assignors to Armour and Company, Chicago, Ill. Liquid xylylheptadecyl ketones and preparing the same. 2,075,765; Mar. 30.
Ramsbottom, John E., B. Lockspeiser, and C. J. Stewart, Farnborough, England. Ice preventing device. 2,075,658; Mar. 30.
Ramsbottom, John E., B. Lockspeiser, and C. J. Stewart, Farnborough, England. Apparatus for preventing ice accumulation on aircraft. 2,075,659; Mar. 30.
Rand, Benjamin G., North Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Loose leaf binder. 2,075,766; Mar. 30.
Rand, Benjamin G., North Tonawanda, assignor to Remington Rand Inc., Buffalo, N. Y. Shiftable binder. 2,075,767; Mar. 30.
Ray, Florence. (See Selleck, I., and Ray.)
Raymond Brothers Impact Pulverizer Company, The. (See Crites, J., and O'Mara, assignor.)
Raytheon Production Corporation. (See Anderson, Homer G., assignor.)
Reade, Ralph W. B., Newton Center, Mass., and H. L. Levin, Nutley, N. J., assignors to The Patent and Licensing Corporation, Boston, Mass. Reclaiming waste material for reuse and products made thereby. 2,075,751; Mar. 30.
Reed, Marion C., and F. Groff, Lakewood, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Stabilization of vinyl resins and compositions produced thereby. 2,075,543; Mar. 30.
Reeves, Gilbert N., London, England. Cooling liquids. 2,075,358; Mar. 30.
Rehm, Gustav A. (See Andrews, L. V., and Rehm.)
Reichert, Joseph S., Niagara Falls, N. Y., and W. J. Sparks, Urbana, Ill., assignors to E. I. du Pont de Nemours & Company, Incorporated, Wilmington, Del. Leavening process. 2,075,468; Mar. 30.
Reidinger, Albert, Winchmore Hill, London, and T. B. Maddison, Wimbledon Park, London, assignors to H. Lindars, London, England. Valve gear for steam and other engines. 2,075,469; Mar. 30.
Reimann, Julius, Hamm, Germany. Card for congratulation and advertisement purposes. 2,075,134; Mar. 30.
Reiners, Wilhelm, and G. Kahlisch, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany. Cop doffing and tube donning mechanism for cop winding machines. 2,075,544; Mar. 30.
Remington Arms Company. (See Woodford, Watson H., assignor.)
Remington Rand Inc. (See Rand, Benjamin G., assignor.)
Remington Typewriter Company. (See Hart, Frederick A., assignor.)
Resinous Products & Chemical Company, The. (See Cserny, Ludwig, assignor.)
Reussenzehn, Ernest A., Dayton, assignor, by mesne assignments, to The Hobart Manufacturing Company, Troy, Ohio. Slicing machine. 2,075,545; Mar. 30.
Reynolds, Clyde, Chicago, and B. G. Kucera, Cicero, assignors of one-fourth to said Kucera, one-fourth to T. Finlay, and one-half to J. M. Zalusky, Chicago, Ill. Awning construction. 2,075,135; Mar. 30.
Rice, Edward Mac G., New York, N. Y. Opening device for packages. 2,075,136; Mar. 30.
Rich, Frank S., Los Angeles, Calif. Meter. 2,075,056; Mar. 30.
Richardson, Henry K., Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Securing contact members. 2,075,057; Mar. 30.
Rickel, Clarence E., Toledo, Ohio, assignor to Automobile Ventilation, Inc., Detroit, Mich. Ventilating window. 2,075,226; Mar. 30.

Riley Stoker Corporation. (See Andrews, L. V., and Rehm, assignors.)
Rinagl, Franz, Vienna, Austria. Apertured structural elements and machine parts. 2,075,546; Mar. 30.
Ring, Harold B., Brooklyn, N. Y. Soldering iron and accessories. 2,075,227; Mar. 30.
Robbins, Charles F. (See Smith, A. C., and Robbins.)
Roberts, John G., Dobbs Ferry, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound picture system. 2,075,783; Mar. 30.
Robertson, Harold F. (See Fordyce, C. R., and Robertson.)
Robinson, Harold C., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Stock quotation system. 2,075,660; Mar. 30.
Robinson, Harold C., Chicago, and J. I. Bellamy, Brookfield, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Stock-quotation system. 2,075,228; Mar. 30.
Robinson, Thomas, Smithtown, assignor to Lancaster Processes Inc., New York, N. Y. Roofing element. 2,075,058; Mar. 30.
Robinson, William J. (See Galligan, J. J., and Robinson.)
Röhm & Haas Company. (See Bruson, H. A., and Stein, assignors.)
Rollins, Clark B., assignor to Phillips & Buttorff Mfg. Co., Nashville, Tenn. Gas range. 2,075,406; Mar. 30.
Romero, Antonio S., Santurce, P. R. Fountain pen. 2,075,661; Mar. 30.
Roper, Denney W. (See Buck, N. E., Roper, and Thomas.)
Rose, Herbert A. (See Atherton, A. L., and Rose.)
Rose, James, Mount Vernon, N. Y. Safety bath foot pad. 2,075,229; Mar. 30.
Roseman, Leo, Newark, N. J. Snap fastener tape. 2,075,060; Mar. 30.
Rosen, Jack H., Pittsburgh, Pa. Drinking vessel. 2,075,137; Mar. 30.
Rosencrants, Fay H., Scarsdale, N. Y., and A. C. Weigel, East Orange, N. J., assignors to Combustion Engineering Company, Inc., New York, N. Y. Boiler drum equipment. 2,075,059; Mar. 30.
Roux, Erwin, Berlin-Friedenau, and H. Imhof, Berlin-Steglitz, assignors to Askania-Werke Aktiengesellschaft, Berlin-Friedenau, Germany. Torsion balance. 2,075,625; Mar. 30.
Rowe, George E., Wethersfield, assignor to Hartford-Empire Company, Hartford, Conn. Lehr stacker. 2,075,752; Mar. 30.
Rubinstein, Harry, Brooklyn, N. Y. Corrugated fabric and making same. 2,075,662; Mar. 30.
Ruth, Dee. (See Cochran, J. I., and Ruth.)
Ruth, Maggie, administratrix. (See Cochran, J. I., and Ruth.)
Rutherford, Charles E., West Hartford, assignor to The Wiremold Company, Hartford, Conn. Wiring device. 2,075,547; Mar. 30.
Sahloff, Joseph P., Selkirk, N. Y. Hot water preheated bathtub. 2,075,471; Mar. 30.
Salmona, Riccardo, et al. (See Salvoni, Ippolito, assignor.)
Salvoni, Ippolito, assignor of forty-four per cent to R. Salmona, and twelve per cent to E. Q. Jackson, New York, N. Y. Combined water closet and bidet. 2,075,061; Mar. 30.
Salzberg, Paul L., and E. W. Bousquet, assignors to E. I. du Pont de Nemours Company, Wilmington, Del. Insecticide. 2,075,359; Mar. 30.
Sand, John, assignor to Gemex Company, Newark, N. J. Jewelry construction. 2,075,304; Mar. 30.
Sanford, Charles C. (See Wheeler, Edwin F., assignor.)
Sanford Manufacturing Co. (See Carpenter, William W. S., assignor.)
Sanita Wrapper Products Corporation. (See Goldstein, A. M., and Garfinkel, assignors.)
Sauzedde, Claude, assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich. Selective control and compensator unit for hydraulic brakes. 2,075,062; Mar. 30.
Sayre, Gordon B., Syracuse, N. Y., assignor, by mesne assignments, to The Orion Electric Company, Wilmington, Del. Diaphragm controlled switch. 2,075,305; Mar. 30.
Schaake, William, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pantograph lubricator. 2,075,138; Mar. 30.
Schade, Arthur, and J. Horn, assignors to Kalle & Co., Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Device for developing photographic prints. 2,075,306; Mar. 30.
Schanzer, Raymond E., New Orleans, La. Producing chicory beans. 2,075,663; Mar. 30.
Schaser, George, Gary, Ind. Flush device. 2,075,548; Mar. 30.
Schatz, Hermann, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of siccatives. 2,075,230; Mar. 30.
Scheemaeker, Emile, Blackstone, Mass. Cream separator 2,075,664; Mar. 30.
Scheemaeker, Emile, Blackstone, Mass. Cream separator. 2,075,665; Mar. 30.
Scheibell, Gordon B., Newark, N. J., assignor to Radio Corporation of America, New York, N. Y. Film and recording system therefor. 2,075,770; Mar. 30.
Scheller, Curt, Chemnitz, Germany. Jacquard apparatus for flat knitting looms. 2,075,139; Mar. 30.
Schimanek, Emil, Budapest, Hungary, assignor to firm Société du Carburateur Stratos, Paris, France. Internal combustion engine. 2,075,231; Mar. 30.
Schlafhorst, W., & Co. (See Reiners, W., and Kahlisch, assignors.)
Schlesinger, Harry, assignor of one-half to A. F. Yoerg, Des Moines, Iowa. Hat stretcher. 2,075,626; Mar. 30.
Schlesinger, Harry, assignor of one-half to A. F. Yoerg, Des Moines, Iowa. Sand bag support. 2,075,627; Mar. 30.
Schlesinger, Kurt, Berlin, Germany. Tilting oscillator and modulator. 2,075,140; Mar. 30.
Schlesinger, Kurt, Berlin, Germany. Cathode ray tube system. 2,075,141; Mar. 30.
Schlesinger, Kurt, Berlin, Germany. Braun tube. 2,075,142; Mar. 30.
Schlesinger, Robert, et al. (See Freund, Alfred, assignor.)
Schliestedt, Hans M., Chicago, Ill. Coat hanger. 2,075,063; Mar. 30.
Schloemann Aktiengesellschaft. (See Nehlsen, Hermann, assignor.)
Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Treatment of textile fabrics. 2,075,143; Mar. 30.
Schneider, Heinrich, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Scavenging. 2,075,232; Mar. 30.
Schneider, Wilhelm, Dessau, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Antihalation layers for photographic plates and films. 2,075,144; Mar. 30.
Schneider, Wilhelm, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Antihalation layer. 2,075,145; Mar. 30.
Schock, John F., assignor to Leeds and Northrup Company, Philadelphia, Pa. Mechanical relay apparatus. 2,075,233; Mar. 30.
Schreiber, Armand, Brooklyn, N. Y. Safety razor. 2,075,307; Mar. 30.
Schubert, Georg, and Rolf Möller, Berlin, assignors to firm: Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Television apparatus. 2,075,360; Mar. 30.
Schultz, Richard A., Chicago, Ill. Bearing. 2,075,361; Mar. 30.
Schulz, Emil H., et al. (See Stewart, Edward T., assignor.)
Schulz, Walter F., assignor to Truscon Steel Company, Youngstown, Ohio. Dowel for roadway expansion joints. 2,075,234; Mar. 30.
Schulze, Walter A. (See Buell, A. E., and Schulze.)
Schumacher, James H., and W. C. George, Ventura, Calif. Direction control mechanism for well drilling tools. 2,075,064; Mar. 30.
Schurr, Charles H. (See Warner, H. C., and Schurr.)
Schuster, Thomas, Phoenix, Ariz. Expansible and contractible mold core. 2,075,591; Mar. 30.
Schwartzman, Benjamin, New York, N. Y. Cooking device. 2,075,407; Mar. 30.
Schwary, Mitchell, et al. (See Schwary, P., and Watson, assignors.)
Schwary, Philip, and J. G. Watson, assignors of one-fifth to M. Schwary, one twenty-fifth to W. F. Watson, one-fifth to L. Gilkey, and four twenty-fifths to M. E. Watson, Portland, Oreg. Spacer for stacking cut meats. 2,075,472; Mar. 30.
Schwary, Philip, and J. G. Watson, assignors of one twenty-fifth to W. F. Watson, one-fifth to M. Schwary, one-fifth to L. Gilkey, and four twenty-fifths to M. E. Watson, Portland, Oreg. Spacer for stacking cut meats. 2,075,473; Mar. 30.
Sciaky, David, Paris, France. Hydraulic press and similar apparatus. 2,075,235; Mar. 30.
Scutt, Leo G., Oakland, Calif. Electrical cooking and toasting device. 2,075,474; Mar. 30.
Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Control system. 2,075,666; Mar. 30.
Seitz, Henry D. (See Petersen, E. G., and Seitz.)
Sekavec, Joseph, assignor to Electric Household Utilities Corporation, Chicago, Ill. Washer. 2,075,628; Mar. 30.
Self-Locking Carton Co. (See Allan, John, assignor.)
Self-Locking Carton Co. (See Burger, Martin, assignor.)
Seligman, Richard, Wimbledon, W. E. Crosby, Kingston, and H. F. Goodman, Barnes, London, assignors to The Aluminum Plant and Vessel Company Limited, Wandsworth, London County, England. Heat exchange apparatus and element or plate therefor. 2,075,666; Mar. 30.
Selleck, Ida, and F. Ray, Ypsilanti, Mich. Metal polish. 2,075,362; Mar. 30.
Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Antioxidant. 2,075,549; Mar. 30.
Sergeeff, Sergei, Moscow, Union of Socialist Soviet Republics. Metallic Roentgen tube with revolving anticathode. 2,075,146; Mar. 30.
Seright, Warren A., Muscatine, Iowa. Cultivator attachment. 2,075,475; Mar. 30.
Servel, Inc. (See Hainsworth, William R., assignor.)
Setterberg, Carl T. (See Tydén, Einar O. E., assignor.)
Sexton, George L., Milford, Conn. Cleaning water conduits. 2,075,237; Mar. 30.
Shafer, Lincoln M. (See Crossley, M. L., and Shafer.)
Sherman, Jack. (See Singer, N. H., and Sherman.)

Sherts, James H., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Making safety glass. 2,075,667; Mar. 4.

Shoffstall, Hugh F. (See Edwards, P. G., and Shoffstall.)

Sholes, Justin G., assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio. Transfer of liquefied gas. 2,075,408; Mar. 30.

Siemens & Halske Aktiengesellschaft. (See Krenzlen, Otto, assignor.)

Silver, Lincoln N., Lindale, assignor to The Chapman Manufacturing and Sales Corporation, Fulton County, Ga. Loom attachment. 2,075,668; Mar. 30.

Simonsen, Alfred H., Chicago, Ill. Toilet signal device. 2,075,308; Mar. 30.

Singer Manufacturing Company, The. (See Gunther, Hermann, assignor.)

Singer Manufacturing Company, The. (See Zonis, Sydney, assignor.)

Singer, Nathaniel H., New York, and J. Sherman, Brooklyn, N. Y. Combined tobacco pouch and pipe holder. 2,075,629; Mar. 30.

Sizer, Albert W., Hessle, Kingston-upon-Hull, England. Machine for molding plastic substances. 2,075,476; Mar. 30.

Skinner Irrigation Company, The. (See Coles, W. H., and Nelson, assignors.)

Slettevold, Ole, assignor to The Hedman Manufacturing Company, Chicago, Ill. Multiple check signer. 2,075,630; Mar. 30.

Smith, A. O., Corporation. (See Kuebler, Walter A., assignor.)

Smith, Albert C., Watkins Glen, and C. F. Robbins, Glenora, N. Y. Connecter and switch for control circuits. 2,075,669; Mar. 30.

Smith, Algy J., Bloomfield, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for forming hollow glass articles. 2,075,363; Mar. 30.

Smith, Christopher I., New York, assignor to Marks Products Co., Inc., Brooklyn, N. Y. Convenience light fixture. 2,075,364; Mar. 30.

Smith, Christopher I., New York, assignor to Marks Products Co. Inc., Brooklyn, N. Y. Plug receptacle. 2,075,365; Mar. 30.

Smith, Emerson S., Ravenna, Ohio. Rubber glove. 2,075,550; Mar. 30.

Smith, George K., Camden, N. J. Christmas tree stand. 2,075,309; Mar. 30.

Smith, Harry G., Napanee, Ontario, Canada. Game board. 2,075,366; Mar. 30.

Smith Hood & Seal Corporation. (See Mitchell, Joseph F., assignor.)

Smith, L. C., & Corona Typewriters, Inc. (See Colon, Glenn W., assignor.)

Smith, Rowland D., assignor to Corning Glass Works, Corning, N. Y. Glass closure for metal containers and making it. 2,075,477; Mar. 30.

Smith, Russell R., Ashland, Ky., assignor to The American Rolling Mill Company, Middletwon, Ohio. Method of rolling metal. 2,075,066; Mar. 30.

Smithburn, George E., Berkeley, Calif. Light projector. 2,075,367; Mar. 30.

Snyder, Herbert W., Lima, Ohio. Generation and superheating of steam. 2,075,067; Mar. 30.

Société du Carburateur Stratos. (See Schimanek, Emil, assignor.)

Society of Chemical Industry in Basle. (See Straub, F., Grether, and Graenacher, assignors.)

Soffel, John, Teaneck, N. J. Camera back and focusing device. 2,075,670; Mar. 30.

Solvay Process Company, The. (See Davis, John W., assignor.)

Soubier, Leonard D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Method of and apparatus for producing glass containers with reentrant bottom. 2,075,771; Mar. 30.

South Bend Lathe Works. (See O'Brien, John J., assignor.)

Sparks, William J. (See Reichert, J. S., and Sparks.)

Speir, Robert J., Takoma Park, Md. Phonographic dictation machine. 2,075,592; Mar. 30.

Sperry Gyroscope Company. (See Carlson, Bert G., assignor.)

Sprague, Edward, Jr., assignor of one-third to G. L. Arthur and one-third to P. C. Dolan, Chicago, Ill. Knife. 2,075,310; Mar. 30.

Springer, Arthur J., assignor of twenty-two per cent to G. W. Stricker, twenty-two per cent to W. J. Meehan, Jr., and twenty-two per cent to M. D. Bohan, Minneapolis, Minn. Rolled paper feeder. 2,075,671; Mar. 30.

Squassi, Gaetano C., Rome, Italy. Heating rooms. 2,075,368; Mar. 30.

Squibb, E. R., & Sons. (See Jurist, A. E., and Green, assignors.)

Staege, Stephen A. (See Gulliksen, F. H., and Staege.)

Stahl, Carl, Berlin-Wilmersdorf, Germany. Paring machine. 2,075,551; Mar. 30.

Standard Corset Company, The. (See Allis, Robert T., assignor.)

Standard Stoker Company, The. (See Anderson, Howard P., assignor.)

Standard Stoker Company, The. (See Capps, Washington T., assignor.)

Standard Stoker Company, The. (See Lower, Nathan M., assignor.)

Standard Stoker Company, The. (See Surdy, Charles J., assignor.)

Stanley, Herbert M. (See Joshua, W. P., Stanley, and Dymock.)

Sta-Rite Hair Pin Company. (See Gibson, Clark A., assignor.)

Stark, William H., Langhorne, Pa. Manufacture of bag handles. 2,075,672; Mar. 30.

Starrett, Eugene S. (See Garretson, Richard E. J., assignor.)

Starrett, L. S., Company, The. (See Williams, Arthur E., assignor.)

Stauffer, Harry G. (See Dietz, J. B., Stauffer, and Oeffinger.)

Steel Wheel Corporation, The. (See Kliesrath, Victor W., assignor.)

Stein, Otto. (See Bruson, H. A., and Stein.)

Stemmons, Clarence H., Kansas City, Mo. Sock-liner foot corrector. 2,075,552; Mar. 30.

Stephens, Russell M., and J. C. Brown, New York, N. Y. Watershedding garment. 2,075,238; Mar. 30.

Stetler, Lowell, Orange, N. J. Marble refacing machine. 2,075,369; Mar. 30.

Stewart, Charles J. (See Ramsbottom, J. E., Lockspeiser, and Stewart.)

Stewart, Edward T., assignor of one-third to E. H. Schulz and one-third to T. Y. Stewart, St. Paul, Minn. Snow removal machine. 2,075,673; Mar. 30.

Stewart, Thomas Y., et al. (See Stewart, Edward T., assignor.)

Stockl, Michael, Delavan, Ill., and O. J. Rajewsky, Blue Earth, Minn. Sugar beet harvester. 2,075,311; Mar. 30.

Storch, Max H., Bell Harbor, Long Island, N. Y. Frame assembly. 2,075,409; Mar. 30.

Storch, Otto P. (See Powers, W. S., and Storch.)

Storfer, Alfred, Brooklyn, N. Y. Knife. 2,075,553; Mar. 30.

Stotts, Francis H., Wynne, Ark. Automatic burglar alarm. 2,075,147; Mar. 30.

Stout, Raymond K., Dayton, Ohio. Illuminating means for indicating instruments. 2,075,068; Mar. 30.

Strachan, Thomas H., Dayton, assignor, by mesne assignments, to The Hobart Manufacturing Company, Troy, Ohio. Meat slicer. 2,075,554; Mar. 30.

Strand, Axel C., Chicago, Ill. Waste water heat recovery apparatus. 2,075,784; Mar. 30.

Strange, George W., assignor of one-fourth to J. Hodgson, Indianapolis, Ind. Concrete form clamp. 2,075,239; Mar. 30.

Strathmeyer, Walter, Oppau, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of sodium aluminum fluoride. 2,075,370; Mar. 30.

Straub, Fritz, F. Grether, and C. Graenacher, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Dyeing animal fibers and composition of matter for said purpose. 2,075,371; Mar. 30.

Straus, Fritz, Berlin, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of halogenated ethers. 2,075,312; Mar. 30.

Straus, Fritz, Berlin, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of halogenated ethers. 2,075,313; Mar. 30.

Stricker, George W., et al. (See Springer, Arthur J., assignor.)

Ströher, Karl G., Rothenkirchen, Germany. Making permanent waves. 2,075,631; Mar. 30.

Suppes, Max M., assignor to Fox Furnace Company, Elyria, Ohio. Air-conditioning apparatus. 2,075,314; Mar. 30.

Surdy, Charles J., Tuckahoe, assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Locomotive stoker. 2,075,737; Mar. 30.

Sveinsson, Louis, Shamokin, Pa. Apparatus for cleaning coal of foreign matter. 2,075,593; Mar. 30.

Svenson, Ernest J., Rockford, Ill. Sealing device. 2,075,148; Mar. 30.

Svensson, Sven J. (See Karlsson, A. H. S., and Svensson.)

Swenson, Harry M. (See Card, William H., assignor.)

Swenson, Merrill G., New York, N. Y. Artificial teeth. 2,075,556; Mar. 30.

Synck, Adolph J., assignor to The New Idea Spreader Company, Coldwater, Ohio. Rake teeth for raking cylinders. 2,075,555; Mar. 30.

Taliaferro, Thomas L., assignor to Phoenix Metal Cap Company, Inc., Chicago, Ill. Skeleton jar closure. 2,075,478; Mar. 30.

Taliaferro, Thomas L., assignor to Phoenix Metal Cap Company, Inc., Chicago, Ill. Skeleton jar closure. 2,075,479; Mar. 30.

Tautz, Herbert E., Milwaukee, Wis. Speed change mechanism for screw-machines. 2,075,240; Mar. 30.

Taylor, Aubrey E., Malvern, Melbourne, Australia. Patterned materials produced particularly by printing. 2,075,480; Mar. 30.

Taylor, William A., Detroit, Mich. Game device. 2,075,372; Mar. 30.

Teel, Eric P., assignor to Novo Engine Company, Lansing, Mich. Self-priming centrifugal pump. 2,075,315; Mar. 30.

Te Pas, Edmund J., Rocky River, assignor to W. A. Frantz, Cleveland Heights, Ohio. Terminal plug for electric cords. 2,075,674; Mar. 30.

Texas Company, The. (See Clarke, Louis A., assignor.)

Texas Company, The. (See Clarke, L. A., and Towne, assignors.)

Thieme, Otto, Hartford, Conn., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing Machine. 2,075,557; Mar. 30.

Thomas, George H., Erie, Pa. Coupling. 2,075,481; Mar. 30.

Thompson, Archibald W., Bromley, England. Impregnated dielectric materials and impregnating compositions. 2,075,410; Mar. 30.

Thompson, Lester O., Oklahoma City, Okla. Valve pulling device. 2,075,241; Mar. 30.

Thoms, Alexander P. (See Buck, N. E., Roper, and Thoms.)

Thomson, Judson L., Manufacturing Company. (See Havener, Arthur R., assignor.)

Thorpe, Harry B., Visalia, Calif. Tractor scraper. 2,075,482; Mar. 30.

Thorrez, Camiel, Jackson, Mich. Nut. 2,075,675; Mar. 30.

Throndsen, Otto A., Brooklyn, N. Y. Stabilizing means for ships. 2,075,594; Mar. 30.

Timian, Harold H. (See Angell, W. R., Jr., and Timian.)

Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)

Titus, Hubert J., Paterson, N. J., and J. S. Wallis, New York, N. Y., assignors to Franklin Railway Supply Company, New York, N. Y. Steam engine. 2,075,069; Mar. 30.

Tobin, Kenneth J., Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,075,558; Mar. 30.

Todaro, Vincent S., Brooklyn, N. Y. Liquid fuel burner. 2,075,242; Mar. 30.

Todd, William R. (See Weiss, Henry G., assignor.)

Tollison, Paul L., Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Plate clamp. 2,075,559; Mar. 30.

Tomec, John, Trenton, N. J. Building material. 2,075,373; Mar. 30.

Toney, Edward F., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Store front construction. 2,075,676; Mar. 30.

Toney, Edward F., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Store front construction. 2,075,677; Mar. 30.

Towler, William T. (See Porteous, William K., assignor.)

Towne, Charles C. (See Clarke, L. A., and Towne.)

Trahon Engineering Corporation. (See Hillis, David R., assignor.)

Tremain, Ruth V. (See Henze, O. C. W., and Tremain.)

Trico Products Corporation. (See Horton, Erwin C., assignor.)

Trotter, Cody P., Golden Meadow, La. Drill stem coupling. 2,075,483; Mar. 30.

Truscon Steel Company. (See Schulz, Walter F., assignor.)

Truslow, James L., assignor to Whitin Machine Works, Whitinsville, Mass. Top roll saddle. 2,075,484; Mar. 30.

Trussell Manufacturing Company. (See Brown, David L., assignor.)

Tucker, Henry T., Fort Smith, Ark. Saddle float. 2,075,374; Mar. 30.

Turck, Joseph A. V., Wilmette, assignor to Felt & Tarrant Mfg. Co., Chicago, Ill. Calculating machine. 2,075,375; Mar. 30.

Turner, Robert W., Chattanooga, Tenn. Heating structure. 2,075,485; Mar. 30.

Turner Tanning Machinery Company, The. (See Winkley, Erastus E., assignor.)

Tydén, Einar O. E., assignor, by mesne assignments, to C. T. Setterberg, Sockholm, Sweden. Silencer for internal combustion engines. 2,075,316; Mar. 30.

Tyroler, Arnold. (See Nickelsburg, S., and Tyroler.)

Ubben, Richard T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous composition. 2,075,376; Mar. 30.

Underpinning and Foundation Company. (See Pruyn, Francis L., assignor.)

Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)

Underwood Elliott Fisher Company. (See Thieme, Otto, assignor.)

Union Carbide and Carbon Corporation. (See Baker, Harry J., assignor.)

Union Carbide and Carbon Corporation. (See Douglas, Stuart D., assignor.)

Union Carbide and Carbon Corporation. (See Frazier, Ralph B., assignor.)

Union Carbide and Carbon Corporation. (See McKay, William F., assignor.)

Union Carbide and Carbon Corporation. (See Reed, M. C., and Groff, assignors.)

Union Fork and Hoe Company, The. (See Finkes, George M., assignor.)

Union Metal Products Company. (See Gilpin, Garth G., assignor.)

U. S. Electrical Motors, Inc. (See Mason, Frank, assignor.)

United States Gypsum Company. (See Vass, Michael G., assignor.)

United States Rubber Products Inc. (See Galligan, J. J., and Robinson, assignors.)

Universal Form Clamp Co. (See Boettner, Joseph L., assignor.)

Universal Oil Products Company. (See Alther, Joseph G., assignor.)

Universal Oil Products Company. (See Barnes, Marion W., assignor.)

Upson, Charles A., assignor to The Upson Company, Lockport, N. Y. Base for floor coverings and the like. 2,075,317; Mar. 30.

Upson Company, The. (See Upson, Charles A., assignor.)

Upton, Charles B., Piqua, Ohio. Apparatus for rendering and refining fats. 2,075,070; Mar. 30.

Urschel, Bertis H., Bowling Green, Ohio. Closure fastener. 2,075,243; Mar. 30.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Modulation. 2,075,071; Mar. 30.

Valley Mould & Iron Corporation. (See Kauffman, Edmund J., assignor.)

Van Caneghem, Achilles E. F., Berlin-Halensee, Germany. Motor cycle. 2,075,785; Mar. 30.

Van Dyke, Henry A., Grove City, Ohio. Vulcanizing unit. 2,075,486; Mar. 30.

Van Hulst, Jan, Amsterdam, Netherlands, assignor to The Patent and Licensing Corporation, Boston, Mass. Solidifying earth. 2,075,244; Mar. 30.

Van Schuck, Leon F., assignor to Western Display Company, Wilmette, Ill. Rotary sign. 2,075,245; Mar. 30.

Van Zandt, John H., Dallas, Tex., assignor to C. A. Dunham Company, Marshalltown, Iowa. Effective temperature thermostat. 2,075,487; Mar. 30.

Varian, Russell H., San Francisco, Calif., assignor to Farnsworth Television Incorporated. Forming discrete areas. 2,075,377; Mar. 30.

Varian, Russell H., San Francisco, Calif., assignor to Farnsworth Television Incorporated. Collecting secondary electrons. 2,075,378; Mar. 30.

Varian, Russell H., San Francisco, Calif., assignor to Farnsworth Television Incorporated. Time delay oscillator. 2,075,379; Mar. 30.

Varian, Russell H., San Francisco, Calif., assignor to Farnsworth Television Incorporated. Modulating high frequency currents. 2,075,380; Mar. 30.

Vass, Michael G., Maywood, assignor to United States Gypsum Company, Chicago, Ill. Stud or joist. 2,075,772; Mar. 30.

Vass, Michael G., Maywood, assignor to United States Gypsum Company, Chicago, Ill. Building construction. 2,075,773; Mar. 30.

Vaughn, Harold G., assignor to The Ohio Corrugating Company, Warren, Ohio. Container. 2,075,381; Mar. 30.

Vaughn, Harold G., assignor to The Ohio Corrugating Company, Warren, Ohio. Container. 2,075,382; Mar. 30.

Vaughn, Harold G., assignor to The Ohio Corrugating Company, Warren, Ohio. Container. 2,075,383; Mar. 30.

Vaughn Machinery Company, The. (See Nye, Norman H., assignor.)

Viceroy Manufacturing Company. (See Crowell, Orby B., assignor.)

Vilsmeier, Anton. (See Nereshelmer, H., and Vilsmeier.)

Vivian, Robert E. (See Levermore, C. L., and Vivian.)

Vodiska, Julia, et al. (See Baker, James S., assignor.)

Vodoz, Frederick W., Wilmette, Ill. Stoker. 2,075,149; Mar. 30.

Voigtländer & Sohn Aktiengesellschaft. (See Barényi, Árpád, assignor.)

Vokes, Cecil G. (See Blanchard, Joseph, assignor.)

Von Langen, Walter, Erkner, near Berlin, assignor to Naamlooze Vennootschop Machinerieen-en apparatenfabrieken "Meaf", Utrecht, Germany. Transferring combustible liquefied gases. 2,075,678; Mar. 30.

Von Mertens, Ernest K., New York, assignor to Groov-Pin Corporation, Long Island City, N. Y. Fastener stud. 2,075,411; Mar. 30.

Von Vágó, Paul. (See Benedek, Elek K., assignor.)

Vretman, Carl G., assignor of one-tenth to R. H. Fulton, Atlanta, Ga., and one-tenth to W. K. Watkins, New York, N. Y. Portable air conditioner for rooms. 2,075,384; Mar. 30.

Wachsman, Michael, Brooklyn, N. Y. Spring terminal clip. 2,075,072; Mar. 30.

Wagar, Harold N., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic switching device. 2,075,488; Mar. 30.

Wagner, Charley L. (See Abrams, A., Wagner, and Forcey.)

Wait, Justin F., New York, N. Y. Producing of metals and utilization thereof. 2,075,150; Mar. 30.

Wait, Justin F., New York, N. Y. Forming wax and product therefrom. 2,075,151; Mar. 30.

Wallis, John S. (See Titus, H. J., and Wallis.)

Wallis, William C., and E. B. Plott, assignors to The Youngstown Sheet & Tube Company, Youngstown, Ohio. Heat treating sheets. 2,075,385; Mar. 30.

Ward, Neil C., Chicago, Ill., assignor to Anderson-Tully Company, Memphis, Tenn. Defiberizing device. 2,075,246; Mar. 30.

Ward, Paul, Nashville, Tenn. Shoe stretcher. 2,075,412; Mar. 30.
Warner, Homer C., and C. H. Schurr, assignors to The Lees-Bradner Company, Cleveland, Ohio. Cutting machine. 2,075,489; Mar. 30.
Warren, John W., Knoxville, Tenn. Building construction. 2,075,560; Mar. 30.
Warren Textile and Machinery Supply Co. (See Barrett, Edwin W., assignor.)
Watkins, W. Kenneth, et al. (See Vretman, Carl G., assignor.)
Watson, John F., Belvidere, England, assignor to The Okonite-Callender Cable Comany, Incorporated, Paterson, N. J. Electric cable. 2,075,073; Mar. 30.
Watson, John G. (See Schwary, P., and Watson.)
Watson, Mamie E., et al. (See Schwary, P., and Watson, assignors.)
Watson, William F., et al. (See Schwary, P., and Watson, assignors.)
Weber, David, & Co. (See Weber, Isadore H., assignor.)
Weber, Isadore H., assignor to David Weber & Co., Philadelphia, Pa. Container and making same. 2,075,679; Mar. 30.
Weigel, Albert C. (See Rosencrants, F. H., and Weigel.)
Weinberg, Louis A., Chicago, Ill. Trouser pocket and waistband construction. 2,075,680; Mar. 30.
Weiss, Henry G., Cincinnati, assignor to W. R. Todd, Montgomery, Ohio. Safety device for motion picture machines. 2,075,753; Mar. 30.
Welker, Harry L., Williamsport, Pa. Body brush. 2,075,413; Mar. 30.
Welker, Harry L., Williamsport, Pa. Dental cleaning and massage device. 2,075,681; Mar. 30.
Wellensiek, Adolph H., Washington, D. C. Rotary engine. 2,075,561; Mar. 30.
Welman, Francis S., Bexley Heath, assignor to C. L. W. Aviation Company, Limited, Gravesend, England. Screw propeller. 2,075,682; Mar. 30.
Welna, Fred J., Omaha, Nebr. Football game. 2,075,152; Mar. 30.
Werfelman, George H. (See Magruder, John O., assignor.)
Wesseler, William J., et al. (See Wilson, Steven, assignor.)
West, Donald W. (See Levy, L. A., and West.)
Western Display Company. (See Van Schuck, Leon F., assignor.)
Westinghouse Electric Elevator Company. (See Eames, W. F., and Harding, assignors.)
Westinghouse Electric & Manufacturing Company. (See Atherton, A. L., and Rose, assignors.)
Westinghouse Electric & Manufacturing Company. (See Barrow, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bernarde, Henry L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cordes, Oscar C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Evans, Robert D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, F. H., and Staege, assignors.)
Westinghouse Electric & Manufacturing Company. (See Harmon, Ralph N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lenehan, Bernard E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lessmann, Gerhard P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lyle, Frederick W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mabry, F. S., and Madsen, assignors.)
Westinghouse Electric & Manufacturing Company. (See Mouromtseff, I. E., and Noble, assignors.)
Westinghouse Electric & Manufacturing Company. (See Parsons, J. S., and Harrison, assignors.)
Westinghouse Electric & Manufacturing Company. (See Richardson, Henry K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaake, William, assignor.)
Wheeler, Edwin F., Baltimore, assignor of one-half to C. C. Sanford, Hamilton, Baltimore, Md. Fare box. 2,075,247; Mar. 30.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Image frequency rejection system. 2,075,683; Mar. 30.
Wheeler, Ruth S., Boston, Mass. Garment. 2,075,414; Mar. 30.
White Motor Company, The. (See Hansen, Odd A., assignor.)
Whitehouse, Reuben S., Boston, Mass. Holding a cover for a beehive box or the like. 2,075,318; Mar. 30.
Whitin Machine Works. (See Truslow, James L., assignor.)
Whiting, Harold B., assignor to A. C. Lawrence Leather Company, Peabody, Mass. Clearer. 2,075,595; Mar. 30.
Whitman, Vincent I., New York, N. Y. Excised photographic plate system of composite motion-picture photography. 2,075,684; Mar. 30.
Wickersham, Harry P., Huntington Park, and E. Burns, Los Angeles, Calif. Spear. 2,075,248; Mar. 30.
Wiedemann, George F., Milwaukee, Wis. Detachable handle for cans or the like. 2,075,685; Mar. 30.
Wiegand, Edwin L., Pittsburgh, Pa. Heating. 2,075,686; Mar. 30.
Wiegand, Frederick B. (See Lavarack, F. C., and Wiegand.)
Wienecke, Bruno. (See Loewe, S., and Wienecke.)
Wierk, Nicholas H., Jr., Oakland, Calif. Closure. 2,075,074; Mar. 30.
Wild, Gustav F., Flushing, N. Y., and B. Nielsen, Ridgefield, N. J. Safety clamp for holding panes of glass of showcases and the like. 2,075,596; Mar. 30.
Wilkie, Francis J., Detroit, Mich. Mirrored furniture. 2,075,319; Mar. 30.
Williams, Arthur E., assignor to The L. S. Starrett Company, Athol, Mass. Adjustable spring ratchet for micrometer spindles. 2,075,754; Mar. 30.
Williams, Herman H., assignor to Northrup, King & Company, Minneapolis, Minn. Knock-down stand for display trays. 2,075,320; Mar. 30.
Williams, Jewell R., assignor, by mesne assignments, to J. H. Glenn, Little Rock, Ark. Tube tester. 2,075,415; Mar. 30.
Williams Oil-O-Matic Heating Corporation. (See Lawton, Harvey B., assignor.)
Williams, Walter W., Bloomington, Ill. Relay mounting. 2,075,490; Mar. 30.
Wills, Horace. (See Laesch, Walter P., assignor.)
Wilmanns, Gustav, Wolfen Kries, Bitterfield, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Light filter. 2,075,153; Mar. 30.
Wilson, Ralph W., New York, N. Y. Closure for containers. 2,075,249; Mar. 30.
Wilson, Steven, Cleveland, assignor of thirty-seven and one-half per cent to T. G. Gregory, and twenty-five per cent to W. J. Wesseler, East Cleveland, Ohio. Fiber composition and method of making the same. 2,075,768; Mar. 30.
Wilson, William E., Pasadena, Calif. Dental X-ray film-holder. 2,075,491; Mar. 30.
Windisch, Harold A., Lansdowne, Pa. Apparatus for developing photographic films. 2,075,687; Mar. 30.
Wine, William E., Toledo, Ohio. Control mechanism for empty and load brakes. 2,075,154; Mar. 30.
Wine, William E., Toledo, Ohio. Control mechanism for empty and load brakes. 2,075,321; Mar. 30.
Winkelmann, Herbert A., Chicago, Ill., assignor to Marbon Corporation. Treatment of stabilized rubber derivatives. 2,075,251; Mar. 30.
Winkelmann, Herbert A., Chicago, Ill., assignor to Marbon Corporation. Modified halogen containing butadiene bodies. 2,075,252; Mar. 30.
Winkelmann, Herbert A., Chicago, Ill., assignor to Marbon Corporation. Vulcanized halogen containing rubber derivatives. 2,075,254; Mar. 30.
Winkelmann, Herbert A., and E. W. Moffett, Chicago, Ill., assignors to Marbon Corporation. Hydrohalogenated vulcanized butadiene bodies. 2,075,253; Mar. 30.
Winkley, Erastus E., Lynn, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Mensuring machine. 2,075,250; Mar. 30.
Wired Radio, Inc. (See Curtis, Richard C., assignor.)
Wiremold Company, The. (See Rutherford, Charles E., assignor.)
Woloszyn, Julian J., Johnson City, N. Y. Rolling screen. 2,075,322; Mar. 30.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing press margin bar. 2,075,562; Mar. 30.
Wood, Morris B., assignor to The Chase-Shawmut Company, Newburyport, Mass. Circuit isolating plug. 2,075,256; Mar. 30.
Wood Newspaper Machinery Corporation. (See Tollison, Paul L., assignor.)
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Wood, Roy. (See Brown, Eitel P., assignor.)
Woodall Industries Incorporated. (See Zinser, Paul R., assignor.)
Woodford, Watson H., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Ammunition. 2,075,386; Mar. 30.
Woolley, Clarence M., assignor to American Radiator Company, New York, N. Y. Radiator cabinet. 2,075,323; Mar. 30.
Woolley, William J., Chicago, Ill. Humidifier. 2,075,324; Mar. 30.
Worcester Tire Fabric Company. (See Brownell, Carl R., assignor.)
Wurlitzer, Rudolph, Company, The. (See Christopher, William M., assignor.)
Wyman, George R., assignor to Bird & Son, Inc., East Walpole, Mass. Manufacture of paper tubes. 2,075,325; Mar. 30.
Yager, Joel W. (See Johnson, J., and Yager.)
Yoerg, Alfred F. (See Schlesinger, Harry, assignor.)
Youngstown Sheet & Tube Company, The. (See Wallis, W. C., and Plott, assignors.)

Youngstown Steel Door Company, The. (See Tobin, Kenneth J., assignor.)
Zadig, Ernest A., assignor to Radio Corporation of America, New York, N. Y. Receiver control. 2,075,257; Mar. 30.
Zahodiakin, Victor F., Cincinnati, Ohio. Internal combustion engine. 2,075,597; Mar. 30.
Zalusky, Joseph M., et al. (See Reynolds, C., and Kucera, assignors.)
Zdansky, Arnold E., Berlin-Schoneberg, assignor to Bamag-Meguin Aktiengesellschaft, Berlin, Germany. Electrolytic apparatus. 2,075,688; Mar. 30.
Zelsberg, Fred C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for the manufacture of sulphuric acid. 2,075,075; Mar. 30.
Zervas, Paul, Cologne-Mulheim, and H. Clingestein, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Monoazodyestuffs. 2,075,076; Mar. 30.
Zimmerli, Adolph, New Brunswick, N. J. Manometer. 2,075,326; Mar. 30.
Zimmerman, James G., Madison, Wis. Storage battery plate. 2,075,492; Mar. 30.
Zinser, Paul R., assignor to Woodall Industries Incorporated, Detroit, Mich. Door panel assembly. 2,075,689; Mar. 30.
Zipper, Emil and W., Vienna, Austria. Vehicle wheel. 2,075,155; Mar. 30.
Zipper, Walter. (See Zipper, Emil, and W.)
Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,075,598; Mar. 30.
Zuckerman, Milton, assignor to I. Haas, New York, N. Y. Plug electric switch. 2,075,632; Mar. 30.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Air conditioning railroad cars, System for. H. R. Arf. 20,318; Mar. 30.
Bailer. P. G. Gates. 20,312; Mar. 30.
Circuit, Nonlinear. C. G. Suits. 20,317; Mar. 30.
Diaper. D. Lesueur. 20,315; Mar. 30.
Pencil. J. P. Lynn. 20,314; Mar. 30.
Tire, Vehicle. A. H. Nellen. 20,316; Mar. 30.
Washing machine, Clothes. J. B. Kirby. 20,313; Mar. 30.

LIST OF PLANT INVENTIONS

Rose. C. F. Bertanzel, Sr. 240; Mar. 30.

LIST OF DESIGN INVENTIONS

Ashtray and cigarette supporter, Combined. C. Le Roy. 103,875; Mar. 30.
Band for a hat. I. Eisenberg. 103,851; Mar. 30.
Band for a hat. I. Eisenberg. 103,889; Mar. 30.
Bottle. W. Knox. 103,911; Mar. 30.
Bottle. M. H. Lowenstein. 103,823; Mar. 30.
Box, Bread. M. H. Connor. 103,888; Mar. 30.
Box, Jewelry. J. R. Dean. 103,850; Mar. 30.
Bracket, Electric wall. R. G. Cowan. 103,802; Mar. 30.
Brush. L. Gulld. 103,819; Mar. 30.
Cabinet, Air conditioning. R. D. Lambert and M. C. Terry. 103,874; Mar. 30.
Cage, Bird. G. L. Miller. 103,881; Mar. 30.
Calendar, Perpetual desk. G. M. Lee. 103,822; Mar. 30.
Cap and ashtray top, Combined jar. T. Sneddon and S. Safranski. 103,917; Mar. 30.
Cap, Atomizer. F. V. Robinson. 103,898; Mar. 30.
Cap or similar article. C. Mariani. 103,853; Mar. 30.
Case, Clock. C. H. Granger. 103,818; Mar. 30.
Case, Clock. W. D. Teague. 103,836–7; Mar. 30.
Case or the like, Wrench. S. Mandl. 103,912; Mar. 30.
Case, Spectacle. S. C. Hirschberg. 103,879; Mar. 30.
Case, Timer. W. D. Teague. 103,838; Mar. 30.
Casing, Clock. M. Schlenker. 103,832; Mar. 30.
Casing, Flashlight. B. P. Hyde. 103,890; Mar. 30.
Casing for fluid filters. A. D. Becker. 103,796; Mar. 30.
Chair or similar article. G. D. Wood. 103,920; Mar. 30.
Clip. A. Philippe. 103,897; Mar. 30.
Clip or similar article, Fountain pen. H. Esterow. 103,812–16; Mar. 30.
Coffeepot or analogous article, Drip. C. E. Waltman. 103,840–2; Mar. 30.
Comb, Decorative. D. D. Schneewels. 103,833; Mar. 30.
Container for cosmetic preparations, Combination. B. F. Conner. 103,887; Mar. 30.
Cover for spare wheels and tires of automotive vehicles. O. U. Zerk. 103,921; Mar. 30.
Cup. K. Bayreuther. 103,907; Mar. 30.
Curtain. A. Steinberg. 103,899; Mar. 30.
Desk unit, Combination. A. S. Brand and D. J. La France. 103,798; Mar. 30.
Dress. T. Coleman. 103,878; Mar. 30.
Dress. R. LaGiusa. 103,892–3; Mar. 30.
Dress, Ensemble. T. Coleman. 103,909; Mar. 30.
Fabric, Knitted. J. Minoff. 103,858; Mar. 30.
Fabric, Textile. C. E. Forstmann. 103,852; Mar. 30.
Fabric, Textile. J. Killars, Jr. 103,873; Mar. 30.
Fabric, Textile. W. H. Mayer, Jr. 103,854; Mar. 30.
Fabric, Textile. N. Tillman. 103,900; Mar. 30.
Faceplate and deflector for a heater, Combined. G. W. Walker. 103,865; Mar. 30.
Fan, Electric. H. W. Chapman. 103,908; Mar. 30.
Form, Hat. H. Rich and J. Greenberg. 103,915; Mar. 30.
Game piece. R. O. Pickin. 104,876; Mar. 30.
Goblet or similar article. E. W. Newton. 103,826; Mar. 30.
Grill, Metallic. A. J. Fitzgerald. 103,817; Mar. 30.
Handkerchief or similar article. M. S. Sutton. 103,863; Mar. 30.
Handle for refrigerator cabinets or the like, Door. K. C. Welch. 103,904; Mar. 30.
Handle, Implement. Q. Beltram. 103,797; Mar. 30.
Handle, Refrigerator. H. B. Barber. 103,885; Mar. 30.
Heater or the like, Automobile. C. E. Meyerhoefer. 103,855–7; Mar. 30.
Hinge for refrigerator cabinets or the like, Door. K. Welch. 103,905; Mar. 30.
Holder, Soap. G. H. Murrin. 103,824; Mar. 30.
Hood, Automobile. A. E. Northup. 103,828; Mar. 30.
Housing, Fan. H. H. Schott. 103,834; Mar. 30.
Jar or similar container. R. I. Dorfman and E. Munk. 103,910; Mar. 30.
Lamp, Study. E. Kanter. 103,891; Mar. 30.
Leather, Artificial. J. A. Puppo. 103,882; Mar. 30.
Link for a watch bracelet or the like, Terminal. L. Kreisler. 103,820; Mar. 30.
Lucky piece. A. Nierenberg. 103,827; Mar. 30.
Macaroni or similar article. G. Cirillo. 102,868; Mar. 30.
Marker, Traffic line. R. H. Williams. 103,843; Mar. 30.
Mat or similar article, Table. A. Traum. 103,918; Mar. 30.
Packing sheet. W. H. Randall, W. E. Parsons, and W. J. Schwertfeger. 103,860–2; Mar. 30.
Plastic sheet or similar article. E. H. Tyson. 103,864; Mar. 30.
Rack, Curtain display. T. H. Stanley. 103,835; Mar. 30.
Range. C. H., and R. F. Hoffstetter. 103,872; Mar. 30.
Range. G. D. Wilkinson and A. F. Harter. 103,919; Mar. 30.
Receptacle and merchandise receiving container, Combined display. H. Ramel. 103,859; Mar. 30.
Receptacle for batteries or similar articles. H. Brunjes. 103,844–9; Mar. 30.
Receptacle for batteries or similar article. H. Brunjes. 103,866–7; Mar. 30.
Receptacle for cigarettes or other articles. W. J. Reilly. 103,829; Mar. 30.
Refrigerator tray unit, Multiple compartment. L. H. Scurlock. 103,916; Mar. 30.
Scalpel. R. H. Brown. 103,799; Mar. 30.
Shoe or similar article. C. W. Conaway. 103,800–01; Mar. 30.
Sign. D. S. Freeman. 103,870; Mar. 30.
Sign, Advertising. C. D. Clark. 103,886; Mar. 30.
Slipper. G. Del Re. 103,803–9; Mar. 30.
Stand and case or the like, Combined wrench. S. Mandl. 103,914; Mar. 30.
Stand or similar article, Display. C. A. Follet. 103,869; Mar. 30.
Stand or the like, Wrench. S. Mandl. 103,894; Mar. 30.
Stand or the like, Wrench. S. Mandl. 103,913; Mar. 30.
Suit, Lady's. I. Wasserman. 103,884; Mar. 30.
Tablecloth, Lace. W. C. Miller. 103,895; Mar. 30.
Tablecloth, Lace. F. P. Otto. 103,896; Mar. 30.
Tablecloth, Lace. J. Waterfield. 103,900–3; Mar. 30.
Tablecloth, Lace. W. Wolf. 103,906; Mar. 30.
Tank for surgical use, Vacuum. J. E. Trafford. 103,839; Mar. 30.
Thermostat mechanism. M. O. Snedlker. 103,877; Mar. 30.
Tire pressure indicator or similar article. P. van Vleck. 103,883; Mar. 30.
Tooth brush and tumbler supporting fixture, Combined. G. H. Murrin. 103,825; Mar. 30.
Toy boat. S. V. Height. 103,871; Mar. 30.
Trimming for receptacles for cigarettes or other articles. W. J. Reilly. 103,830; Mar. 30.
Vehicle. P. O. Dittmar. 103,810–11; Mar. 30.
Vehicle, Tank. R. L. Kuss. 103,821; Mar. 30.
Washing machine dolly. S. S. Holland. 103,880; Mar. 30.
Watch-bracelet or the like. B. Rossman. 103,831; Mar. 30.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF MARCH, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid, Method and apparatus for the manufacture of sulphuric. F. C. Zeisberg. 2,075,075; Mar. 30.
Acylamino alkyl-aryl ethers and their sulphonation products. A. W. Baldwin. 2,075,013; Mar. 30.
Air condition for rooms, Portable. C. G. Vretman. 2,075,384; Mar. 30.
Air conditioning apparatus. M. M. Suppes. 2,075,314; Mar. 30.
Air conditioning apparatus and process. H. L. Hollis. 2,075,036; Mar. 30.
Air conditioning device. W. S. Eubank. 2,075,389; Mar. 30.
Aircraft, Transport cargo. H. J. Knerr. 2,075,042; Mar. 30.
Air inlet for internal combustion engines. M. Dach. 2,075,272; Mar. 30.
Airplane provided with an automatic firearm. M. Birkigt. 2,075,087; Mar. 30.
Alarm, Automatic burglar. F. H. Stotts. 2,075,147; Mar. 30.
Alcohols, Purification of. A. E. Jurist and L. W. Green. 2,075,205; Mar. 30.
Aliphatic anhydrides, Manufacture of. H. Dreyfus and C. I. Haney. 2,075,026; Mar. 30.
Aliphatic ethers, Dehydrogenation of. H. Dreyfus. 2,075,100; Mar. 30.
Alloy, Aluminum. W. Bonsack and J. G. G. Frost. 2,075,089–91; Mar. 30.
Alloy, Copper-silicon-zinc-lead. W. H. Bassett. 2,075,005; Mar. 30.
Alloy, Copper-silicon-zinc-tin-lead. W. H. Bassett. 2,075,004; Mar. 30.
Alloy, Production of magnetizable. A. Heinzel and F. Duftschmid. 2,075,283; Mar. 30.
Alloys, Copper base. C. H. Davis and E. L. Munson. 2,075,509; Mar. 30.
Alloys, Copper silicon. W. H. Bassett. 2,075,014; Mar. 30.
Aluminum alloy. J. G. G. Frost and W. Bonsack. 2,075,517; Mar. 30.
Amines of the benzene series and making the same, Tertiary. H. Lange. 2,075,347; Mar. 30.
Ammunition. W. H. Woodford. 2,075,386; Mar. 30.
Amplifier, Electronic. W. G. H. Finch. 2,075,604; Mar. 30.
Amusement and exercising device, Aquatic. W. P. Knight. 2,075,649; Mar. 30.
Anchorage. W. W. Hamill. 2,075,714; Mar. 30.
Animal fibers and composition of matter for said purpose, Dyeing. F. Straub, F. Grether and C. Graenacher. 2,075,371; Mar. 30.
Animal head form. J. N. Naulty. 2,075,219; Mar. 30.
Ankle protector. R. Hesse. 2,075,760; Mar. 30.
Annealing box. P. E. Hunter and K. J. Deahl. 2,075,114–5; Mar. 30.
Anti-dripping device. W. J. K. Mackay. 2,075,782; Mar. 30.
Antiglare device. M. B. Jackson. 2,075,440; Mar. 30.
Antihalation layer. W. Schneider. 2,075,145; Mar. 30.
Antihalation layers for photographic plates and films. W. Schneider. 2,075,144; Mar. 30.
Antioxidant. W. L. Semon. 2,075,549; Mar. 30.
Apparatus for converting continuous motion into interrupted motion. P. G. Edwards and H. F. Sloffstall. 2,075,103; Mar. 30.
Apparatus for dispersing materials. S. K. Nester. 2,075,403; Mar. 30.
Apparatus for effecting the removal of foreign bodies from carded webs. A. P. Albero. 2,075,156; Mar. 30.
Apparatus for producing a compressed and heated gas. R. P. Pescara. 2,075,133; Mar. 30.
Appliance for tensioning and fastening bale ties. E. Hoffmann. 2,075,720; Mar. 30.
Areas, Forming discrete. R. H. Varian. 2,075,377; Mar. 30.
Article covering machine. A. Lindner. 2,075,213; Mar. 30.
Article deposit and pick-up apparatus for airplanes. L. S. Adams. 2,075,690; Mar. 30.
Article handling mechanism. J. A. Nowinski. 2,075,050; Mar. 30.
Ash and soot trap. H. F. Burnaugh. 2,075,337; Mar. 30.
Automobile heater and windshield defroster, Combination. J. M. Petreikis. 2,075,464; Mar. 30.
Automobile wheel, Quick changeable. C. H. Martin. 2,075,584; Mar. 30.
Awning construction. C. Reynolds and B. G. Kucera. 2,075,135; Mar. 30.
Axle, Steering drive. H. W. Alden. 2,075,564; Mar. 30.
Azodyestuffs and their production, Mordant. M. Müller. 2,075,743; Mar. 30.
Bag. C. V. Brady. 2,075,166; Mar. 30.
Bakers' products in various shapes, Making. P. J. Brennan. 2,075,699; Mar. 30.
Bar: *See*—
Greenhouse sash bar. Printing press margin bar.
Base for floor coverings and the like. C. A. Upson. 2,075,317; Mar. 30.
Bathtub, Hot water preheated. J. F. Sahloff. 2,075,471; Mar. 30.
Battery plate, Storage. J. G. Zimmerman. 2,075,492; Mar. 30.
Beacon system. F. S. Mabry and C. J. Madsen. 2,075,125; Mar. 30.
Bearing: *See*—
Sealed bearing.
Bearing. S. E. Green. 2,075,280; Mar. 30.
Bearing. R. A. Schultz. 2,075,361; Mar. 30.
Bearing material, Making a. R. P. Koehring. 2,075,444; Mar. 30.
Bearing rolls, Method of and machine for grinding or lapping. A. B. Einig. 2,075,104; Mar. 30.
Bed lamp. W. J. Horner. 2,075,199; Mar. 30.
Bellows, Gas meter. E. C. Hemes. 2,075,284; Mar. 30.
Belt drive. J. J. O'Brien. 2,075,297; Mar. 30.
Beverages, Stabilizing alcoholic. A. G. Libbey. 2,075,653; Mar. 30.
Binder, Loose leaf. B. G. Rand. 2,075,766; Mar. 30.
Binder, Shiftable. B. G. Rand. 2,075,767; Mar. 30.
Biscuits or the like to ovens, pans, conveyers or the like, Apparatus for feeding. G. R. Baker. 2,075,012; Mar. 30.
Blind fitting, Venetian. H. K. Lorentzen. 2,075,214; Mar. 30.
Blind, Venetian. B. N. Parmenter. 2,075,462; Mar. 30.
Blocks for sewage disposal filter beds, Method and apparatus for manufacturing aerating. J. C. Hutchinson. 2,075,038; Mar. 30.
Board: *See*—
Game board.
Bodies manufactured from an alloy of tungsten carbide or molybdenum carbide, Shaped. K. Moers. 2,075,742; Mar. 30.
Boiler: *See*—
Steam boiler.
Boiler. H. H. Peek, Sr. 2,075,222; Mar. 30.
Boiler drum equipment. F. H. Rosencrants and A. C. Weigel. 2,075,059; Mar. 30.
Book, Juvenile. S. Leubric. 2,075,529; Mar. 30.
Bottle-capping machine. J. F. Mitchell. 2,075,296; Mar. 30.
Bottle holder. F. S. Milburn. 2,075,217; Mar. 30.
Bow holder. S. F. Kayn. 2,075,728; Mar. 30.
Box: *See*—
Annealing box. Fire box.
Fare box.
Box feeding device for lidders. G. C. Paxton. 2,075,053; Mar. 30.
Box making machine, Sample. P. Jagusch. 2,075,287; Mar. 30.
Brake: *See*—
Vehicle brake.
Braking mechanism. C. V. Clarke. 2,075,176; Mar. 30.
Braking of induction motors, Dynamic. C. Macmillan. 2,075,738; Mar. 30.
Braun tube. K. Schlesinger. 2,075,142; Mar. 30.
Brush and making same. W. W. S. Carpenter. 2,075,570; Mar. 30.
Brush, Body. H. L. Welker. 2,075,413; Mar. 30.
Building construction. R. L. Davison. 2,075,338; Mar. 30.
Building construction. M. G. Vass. 2,075,773; Mar. 30.
Building construction. J. W. Warren. 2,075,560; Mar. 30.
Building material. J. Tomec. 2,075,373; Mar. 30.
Bulb, Decorative illuminating. S. Muramatsu. 2,075,744; Mar. 30.
Burner: *See*—
Liquid fuel burner.
Burner. R. Hageman. 2,075,278; Mar. 30.
Burner control apparatus and system. A. L. Judson. 2,075,289; Mar. 30.
Burner draft control, Oil. M. H. Braden. 2,075,334; Mar. 30.
Bus body, Fireproof. G. Crommey. 2,075,096; Mar. 30.
Bushing, Adapter. J. K. Delano. 2,075,024; Mar. 30.
Butadiene bodies, Hydrohalogenated vulcanized. H. A. Winkelmann and E. W. Moffett. 2,075,253; Mar. 30.

Butadiene bodies, Modified halogen containing. H. A. Winkelmann. 2,075,252; Mar. 30.
Button fastener. A. Illsche. 2,075,722; Mar. 30.
Cabinet, Radiator. C. M. Woolley. 2,075,323; Mar. 30.
Cabinet, Rotary utility. P. Parr. 2,075,051; Mar. 30.
Cable, Electric. J. F. Watson. 2,075,073; Mar. 30.
Cable riser. F. C. Lavarack and F. B. Wiegand. 2,057,780; Mar. 30.
Calculating machine. J. A. V. Turck. 2,075,375; Mar. 30.
Call transmitter. V. F. Miller. 2,075,536; Mar. 30.
Camera back and focusing device. J. Soffel. 2,075,670; Mar. 30.
Camera, Folding. Á. Barényi. 2,074,081; Mar. 30.
Car jack. P. Kunath. 2,075,398; Mar. 30.
Carbonaceous materials with reducing gases, Treatment of. H. Dreyfus. 2,075,101; Mar. 30.
Carboxylic anhydrides, Preparing. G. D. Graves. 2,075,035; Mar. 30.
Carburetor for internal combustion engines. O. Baumgartner. 2,075,692; Mar. 30.
Card for congratulation and advertisement purposes. J. Reimann. 2,075,134; Mar. 30.
Carriage, Beam compass. H. O. Letzerich. 2,075,528; Mar. 30.
Cart, Laundry. L. and O. Bishop. 2,075,260; Mar. 30.
Carton. J. Allan. 2,075,417; Mar. 30.
Carton. M. Burger. 2,075,425; Mar. 30.
Case: *See*—
Watch case.
Cash register, accounting and the like machine. E. Bredtling and J. Patzelt. 2,075,635; Mar. 30.
Cathode, Indirectly heated. S. Loewe and B. Wienecke. 2,075,122; Mar. 30.
Cathode ray tube. F. W. Hehlgans. 2,075,717; Mar. 30.
Cathode ray tube system. K. Schlesinger. 2,075,141; Mar. 30.
Cellulosic materials and product of said method, Impregnating. G. A. Albert. 2,075,328; Mar. 30.
Centrifugal pump, Self-priming. E. P. Teel. 2,075,315; Mar. 30.
Ceramic bodies, Forming. H. N. Kraner. 2,075,445; Mar. 30.
Ceramic building construction and method of assembly, Reenforced. F. O. Anderegg. 2,075,633; Mar. 30.
Chain lock, Automatic. E. P. Beaumont. 2,075,015; Mar. 30.
Chair: *See*—
Folding chair.
Check signer, Multiple. O. Slettevold. 2,075,630; Mar. 30.
Chicory beans, Producing. R. E. Schanzer. 2,075,663; Mar. 30.
Chlorates by selective extraction with acetone, Recovery of. G. L. Cunningham. 2,075,179; Mar. 30.
Christmas tree stand. G. K. Smith. 2,075,309; Mar. 30.
Chuck device. G. W. Emrick. 2,075,031; Mar. 30.
Cigar. A. B. Adair. 2,075,493; Mar. 30.
Cigar piercing machine. H. Prager. 2,075,055; Mar. 30.
Circuit breaker, Electric. W. E. Paul. 2,075,748–9; Mar. 30.
Circuit isolating plug. M. B. Wood. 2,075,256; Mar. 30.
Circuit, Radio receiving. H. F. Elliott. 2,075,513; Mar. 30.
Clamp: *See*—
Concrete form clamp. Plate clamp.
Clamp for holding panes of glass of showcases and the like, Safety. G. F. Wild and B. Nielsen. 2,075,596; Mar. 30.
Cleaner: *See*—
Windshield cleaner.
Cleaning apparatus and fluid circulating system therefor, Dry. L. Angelus and D. L. Baylis. 2,075,010; Mar. 30.
Clearer. H. B. Whiting. 2,075,595; Mar. 30.
Clip: *See*—
Spring terminal clip.
Closure. N. H. Wierk, Jr. 2,075,074; Mar. 30.
Closure fastener. B. H. Urschel. 2,075,243; Mar. 30.
Closure for containers. R. W. Wilson. 2,075,249; Mar. 30.
Closure for metal containers and making it, Glass. R. D. Smith. 2,075,477; Mar. 30.
Closure, Skeleton jar. T. L. Tallaferro. 2,075,478–9; Mar. 30.
Clutch. W. A. Goss. 2,075,342; Mar. 30.
Clutch. W. C. Osterholm. 2,075,130; Mar. 30.
Clutch control mechanism. J. R. Ferguson. 2,075,032; Mar. 30.
Clutch mechanism, Automatic. R. P. Lewis. 2,075,211; Mar. 30.
Coal of foreign matter, Apparatus for cleaning. L. Sveinsson. 2,075,593; Mar. 30.
Coat hanger. H. M. Schliestedt. 2,075,063; Mar. 30.
Coating apparatus. C. M. Mackenzie. 2,075,620; Mar. 30.
Coating compositions and processes for preparing the same. J. B. Dietz, H. G. Stauffer, and E. F. Oeffinger. 2,075,025; Mar. 30.
Coil, Induction heating. H. G. Anderson. 2,075,079; Mar. 30.
Collotype process. M. de Sperati and J. Filippi. 2,075,707; Mar. 30.
Compounds of the dibenzanthrone series. H. Neresheimer and A. Vilsmeier. 2,075,455–6; Mar. 30.
Compressor. H. W. Dow. 2,075,099; Mar. 30.
Concrete and the like, Device for packing. E. S. Cannon. 2,075,093; Mar. 30.
Concrete form clamp. G. W. Strange. 2,075,239; Mar. 30.
Condensation products and process. L. Cserny. 2,075,340; Mar. 30.
Condenser: *See*—
Electrolytic condenser.
Conduits, Cleaning water. G. L. Sexton. 2,075,237; Mar. 30.
Connecter and switch for control circuits. A. C. Smith and C. F. Robbins. 2,075,669; Mar. 30.
Connecting device for harness or jack levers. B. Huggins. 2,075,439; Mar. 30.
Connection, Chain slip link. F. V. Calgano. 2,075,391; Mar. 30.
Contact members, Securing. H. K. Richardson. 2,075,057; Mar. 30.
Contacting process and apparatus. C. G. Hawley 2,075,344; Mar. 30.
Container: *See*—
Universally mountable container.
Container. H. A. Barnby. 2,075,776; Mar. 30.
Container. C. B. Kilmer. 2,075,617–18; Mar. 30.
Container. O. E. Parkinson. 2,075,131; Mar. 30.
Container. E. C. Potter. 2,075,624; Mar. 30.
Container. H. K. Powell. 2,075,465; Mar. 30.
Container. H. G. Vaughn. 2,075,381–3; Mar. 30.
Container and making same. I. H. Weber. 2,075,679; Mar. 30.
Containers with reentrant bottoms, Method of and apparatus for producing glass. L. D. Soubier. 2,075,771; Mar. 30.
Control and compensator unit for hydraulic brakes, Selective. C. Sauzedde. 2,075,062; Mar. 30.
Control and indicator device for radio receivers. E. O. Burton. 2,075,569; Mar. 30.
Control for pressing machines. J. M. Dewey. 2,075,183; Mar. 30.
Control mechanism for empty and load brakes. W. E. Wine. 2,075,154; Mar. 30.
Control mechanism for empty and load brakes. W. E. Wine. 2,075,321; Mar. 30.
Control mechanism for steering wheels. W. Jay. 2,075,288; Mar. 30.
Control system. H. T. Seeley. 2,075,666; Mar. 30.
Controller, Vibration actuated. S. B. Allen. 2,075,774; Mar. 30.
Controlling apparatus for refrigerating systems. F. H. Hibberd. 2,075,647; Mar. 30.
Conveyer, Trolley. L. J. Bishop. 2,075,261; Mar. 30.
Conveying mechanism. C. A. Adams. 2,075,416; Mar. 30.
Cooking and toasting device, Electrical. L. G. Scutt. 2,075,474; Mar. 30.
Cooking device. B. Schwartzman. 2,075,407; Mar. 30.
Cooler: *See*—
Liquid cooler.
Cooling system for internal combustion engines, Multiflow. F. W. Hild. 2,075,521; Mar. 30.
Cop doffing and tube donning mechanism for cop winding machines. W. Reiners and G. Kahlisch. 2,075,544; Mar. 30.
Copper phthalocyanine compound, Producing a. R. P. Linstead, A. R. Lowe, I. M. Hellbron, and F. Irving. 2,075,043; Mar. 30.
Cord and manufacture of same, Tire carcass. C. R. Brownell. 2,075,777; Mar. 30.
Cotter device. G. M. Barrow. 2,075,082; Mar. 30.
Coupling: *See*—
Drill stem coupling.
Coupling. G. H. Thomas. 2,075,481; Mar. 30.
Cover for a bee-hive box or the like, Holding a. R. S. Whitehouse. 2,075,318; Mar. 30.
Crank shaft. G. A. Miller. 2,075,741; Mar. 30.
Cream separator. E. Scheemaeker. 2,075,664–5; Mar. 30.
Cultivator attachment. W. A. Seright. 2,075,475; Mar. 30.
Cup: *See*—
Paper cup.
Currents, Modulating high frequency. R. H. Varian. 2,075,380; Mar. 30.
Currents, Silencing gaseous. J. Blanchard. 2,075,088; Mar. 30.
Cutter bar guard resetting device. W. A. Johnson. 2,075,117; Mar. 30.
Cutter register control. O. C. Cordes. 2,075,095; Mar. 30.
Cutting machine. H. C. Warner and C. H. Schurr. 2,075,489; Mar. 30.
Cylindrical valve. A. L. Parker. 2,075,459; Mar. 30.
Defiberizing device. N. C. Ward. 2,075,246; Mar. 30.
Deflector and draft regulator, Automatic. F. Mesinger. 2,075,587; Mar. 30.
Defrosting control for automatic refrigerators. W. R. Hainsworth. 2,075,437; Mar. 30.
Degree plate. C. N. Damm and A. Pyle, Sr. 2,075,008; Mar. 30.
Delusion apparatus. O. C. W. Henze and R. V. Tremain. 2,075,198; Mar. 30.
Dental cleaning and massage device. H. L. Welker. 2,075,681; Mar. 30.

Dental X-ray film holder. W. E. Wilson. 2,075,491; Mar. 30.
Detector. W. M. Christopher. 2,075,701; Mar. 30.
Diaphragm controlled switch. G. B. Sayre. 2,075,305; Mar. 30.
Die: *See*—
Transforming die.
Dielectric materials and impregnating compositions, Impregnated. A. W. Thompson. 2,075,410; Mar. 30.
Direction control mechanism for well drilling tools. J. H. Schumacher and W. C. George. 2,075,064; Mar. 30.
Discharge tube. J. G. W. Mulder. 2,075,355; Mar. 30.
Discharge tube, High voltage. A. Bouwers. 2,075,697; Mar. 30.
Dishwashing machine. G. B. Grace and L. P. Lansing. 2,075,034; Mar. 30.
Disinfecting dispensing apparatus. E. L. Bowman. 2,075,266; Mar. 30.
Dispensing device for sheet rubber deposited from an aqueous dispersion of rubber and the process of forming and using same. L. G. Copeman. 2,075,178; Mar. 30.
Display advertising device. P. Horinstein. 2,075,613; Mar. 30.
Display apparatus, Illuminated. R. L. Marten. 2,075,764; Mar. 30.
Display means for contained liquids, Pouring. L. R. Paul. 2,075,405; Mar. 30.
Display rack. J. Oster. 2,075,298; Mar. 30.
Display stand. A. D. Mosby. 2,075,401; Mar. 30.
Door, Car. K. J. Tobin. 2,075,558; Mar. 30.
Door lock. M. H. Aten. 2,075,495; Mar. 30.
Door panel assembly. P. R. Zinser. 2,075,689; Mar. 30.
Door, window, and the like, Folding and sliding. A. J. Harrison. 2,075,716; Mar. 30.
Double disk gate valve. E. H. Lunken. 2,075,123; Mar. 30.
Dowel for roadway expansion joints. W. F. Schulz. 2,075,234; Mar. 30.
Drill: *See*—
Rock drill.
Drill front end, Rock. J. C. Curtis. 2,075,573; Mar. 30.
Drill stem coupling. C. P. Trotter. 2,075,483; Mar. 30.
Driving mechanism. J. W. Allen. 2,075,078; Mar. 30.
Driving mechanism N. M. Lower. 2,075,352; Mar. 30.
Dry placer machine. O. Nolte. 2,075,747; Mar. 30.
Drying apparatus. J. Crites and R. F. O'Mara. 2,075,506; Mar. 30.
Duplex valve. W. F. McKay. 2,075,740; Mar. 30.
Dyes, Orange disazo. M. L. Crossley and L. M. Shafer. 2,075,022; Mar. 30.
Earth, Solidifying. J. van Hulst. 2,075,244; Mar. 30.
Echo recording apparatus. K. L. Hollingsworth. 2,075,285; Mar. 30.
Egg breaking and separating apparatus and process. R. L. Cleveland. 2,075,270; Mar. 30.
Electric discharge device, Gaseous. E. G. Dorgelo. 2,075,641; Mar. 30.
Electric discharge tube. H. G. Boumeester. 2,075,165; Mar. 30.
Electric signaling system. M. L. Nelson. 2,075,454; Mar. 30.
Electric switch. E. C. Horton. 2,075,614; Mar. 30.
Electrical system. F. W. Lyle. 2,075,124; Mar. 30.
Electrode for thermionic discharge devices. C. W. Castle. 2,075,639; Mar. 30.
Electrolytic apparatus. A. E. Zdansky. 2,075,688; Mar. 30.
Electrolytic condenser. J. E. Lilienfeld. 2,075,351; Mar. 30.
Electron discharge device. O. Krenzien. 2,075,208; Mar. 30.
Electron discharge tube. J. L. H. Jonker. 2,075,202; Mar. 30.
Electronic apparatus. B. E. Lenehan. 2,075,120; Mar. 30.
Electronic control system. H. L. Bernarde. 2,075,083; Mar. 30.
Electrons, Collecting secondary. R. H. Varian. 2,075,378; Mar. 30.
Elevator for conveyer trucks. W. A. Kuebler. 2,075,209; Mar. 30.
Elevator system, Electric. W. F. Eames and W. R. Harding. 2,075,102; Mar. 30.
Engine: *See*—
Internal combustion engine. Rotary engine. Steam engine.
Engine. W. R. Angell, Jr., and H. H. Timian. 2,075,330; Mar. 30.
Engine control, Internal combustion. E. Kund. 2,075,651; Mar. 30.
Engine, pump, or compressor, Rotary. C. E. Martin. 2,075,654; Mar. 30.
Engine starting mechanism. R. P. Lansing. 2,075,119; Mar. 30.
Esters and making the same, Mixed. R. B. Frazier. 2,075,107; Mar. 30.
Ethers, Production of halogenated. F. Straus. 2,075,312–13; Mar. 30.
Excitation system for mercury arc rectifiers. A. L. Atherton and H. A. Rose. 2,075,011; Mar. 30.
Exhaust pipe. A. Freund. 2,075,758; Mar. 30.
Extruding machine. E. N. Meakin. 2,074,450; Mar. 30.
Fabric and making same, Corrugated. H. Rubinstein. 2,075,662; Mar. 30.
Fabric and producing the same, Parchmentized. A. Bodmer. 2,075,695; Mar. 30.
Fabric, Weaving cut pile. J. A. Fligg. 2,075,187; Mar. 30.
Fare box. E. F. Wheeler. 2,075,247; Mar. 30.
Fastener: *See*—
Button fastener. Closure fastener.
Fastener and making same, Separable interlocking. R. S. Kelley. 2,075,762–3; Mar. 30.
Fastener for typewriters. G. W. Colon. 2,075,021; Mar. 30.
Fastener stud. E. K. von Mertens. 2,075,411; Mar. 30.
Fats, Apparatus for rendering and refining. C. B. Upton. 2,075,070; Mar. 30.
Feeder: *See*—
Rolled paper feeder.
Feeding mechanism for rock drills. J. C. Curtis. 2,075,572; Mar. 30.
Fiber composition and making the same. S. Wilson. 2,075,768; Mar. 30.
Film and recording system therefor. G. B. Scheibell. 2,075,770; Mar. 30.
Films, Apparatus for developing photographic. H. A. Windisch. 2,075,687; Mar. 30.
Filter: *See*—
Light filter.
Filter. E. L. Pflanz. 2,075,300; Mar. 30.
Fire arm. P. L. Crosby. 2,075,704; Mar. 30.
Fire box. R. C. Eisentrager. 2,075,433; Mar. 30.
Fish net. A. Haun. 2,075,715; Mar. 30.
Float valve. W. M. Jolly. 2,075,582; Mar. 30.
Flow tip. G. W. Davidson. 2,075,182; Mar. 30.
Flower pot and decorating same, Metal. S. Ellis. 2,075,186; Mar. 30.
Fluid-distributing system, Reversible. D. R. Hillis. 2,075,719; Mar. 30.
Fluid meter. J. I. Cochran and D. Ruth. 2,075,177; Mar. 30.
Fluid pumping device. H. J. Anderson. 2,075,755; Mar. 30.
Fluids, Heating of. M. W. Barnes. 2,075,601; Mar. 30.
Fluids, Treatment of gaseous. K. A. Gerson. 2,075,193; Mar. 30.
Fluorescent material. L. A. Levy and D. W. West. 2,075,399; Mar. 30.
Flush device. G. Schaser. 2,075,548; Mar. 30.
Flush valve. G. C. Duncan, Jr. 2,075,029; Mar. 30.
Folding chair. F. J. Leverone. 2,075,350; Mar. 30.
Folding table. U. K. Johannsen. 2,075,778; Mar. 30.
Foot for artificial limbs. G. Lange. 2,075,583; Mar. 30.
Frame: *See*—
Mirror and picture frame.
Frame assembly. M. H. Storch. 2,075,409; Mar. 30.
Frame for holding detachable covers with special reference to dust mops. H. W. Jelliffe and W. H. Abbott. 2,075,345; Mar. 30.
Frequencies from electric circuits, Device for removing undesirable. J. Miyazaki. 2,075,218; Mar. 30.
Frequency modulated waves, Reception of. J. G. Chaffee. 2,075,503; Mar. 30.
Fuel distributing apparatus. N. M. Lower. 2,075,736; Mar. 30.
Fuel distributor. H. P. Anderson. 2,075,158; Mar. 30.
Furnace: *See*—
Stoker furnace.
Furnace. L. V. Andrews and G. A. Rehm. 2,075,419; Mar. 30.
Furnace wall and the like. R. C. Benner and G. J. Easter. 2,075,694; Mar. 30.
Furnace wall structure. G. W. Davey. 2,075,602; Mar. 30.
Furniture, Mirrored. F. J. Wilkie. 2,075,319; Mar. 30.
Fuse and signal plug, Multiple. M. W. Freeman and J. W. Hooley. 2,075,516; Mar. 30.
Game apparatus. A. Klemin. 2,075,619; Mar. 30.
Game board. H. G. Smith. 2,075,366; Mar. 30.
Game device. W. A. Taylor. 2,075,372; Mar. 30.
Game, Educational. A. A. Kickhofel. 2,075,442; Mar. 30
Game, Football. F. J. Welna. 2,075,152; Mar. 30.
Game table, Collapsible. N. Monier. 2,075,354; Mar. 30
Garment. R. S. Wheeler. 2,075,414; Mar. 30.
Garment, Foundation. R. T. Allis. 2,075,565; Mar. 30.
Garment steaming device. G. Jacobs. 2,075,724; Mar. 30.
Garment, Water-shedding. R. M. Stephens and J. C. Brown. 2,075,238; Mar. 30.
Gas discharge tubes, Lighting. M. Ibuka. 2,075,200; Mar. 30.
Gas mixing apparatus. E. L. Anderson. 2,075,258; Mar. 30.
Gas, Transfer of liquefied. J. G. Sholes. 2,075,408; Mar. 30.
Gaseous discharge lamp apparatus. W. Foerste. 2,075,606; Mar. 30.
Gaseous discharge lamp, Flashing. W. Foerste 2,075,188; Mar. 30.
Gases, Process and apparatus for the treatment of. J. W. Davis. 2,075,510; Mar. 30.
Gases, Transferring combustible liquefied. W. von Langen. 2,075,678; Mar. 30.
Gin. R. W. McLean. 2,075,586; Mar. 30.
Glass annealing lehr. W. A. Morton. 2,075,452; Mar. 30.
Glass article and making it, Colored. E. C. Leibig. 2,075,446; Mar. 30.

Glass articles, Apparatus for forming hollow. A. J. Smith. 2,075,363; Mar. 30.
Glass assemblies, Heating safety. J. W. Kamerer. 2,075,726; Mar. 30.
Glass building blocks, Apparatus for making. D. E. Gray. 2,075,435; Mar. 30.
Glass, Making safety. J. H. Sherts. 2,075,667; Mar. 30.
Glove, Rubber. E. S. Smith. 2,075,550; Mar. 30.
Goggles, spectacles, or the like. O. B. Carson. 2,075,020; Mar. 30.
Golf green or the like. T. H. North. 2,075,590; Mar. 30.
Grading machine. H. P. Dawrs and H. R. Power. 2,075,097; Mar. 30.
Greenhouse sash bar. F. Eiche. 2,075,642; Mar. 30.
Grinder and cutting knife therefor, Meat. G. Dirr. 2,075,603; Mar. 30.
Hairpin. C. A. Gibson. 2,075,194; Mar. 30.
Hair-waving apparatus. R. G. Leland. 2,075,652; Mar. 30.
Handle: *See*—
Tool handle.
Handle for cans or the like, Detachable. G. F. Wiedemann. 2,075,685; Mar. 30.
Handles, Manufacture of bag. W. H. Stark. 2,075,672; Mar. 30.
Hanger: *See*—
Coat hanger.
Harvester, Sugar beet. M. Stokl and O. J. Rajewsky. 2,075,311; Mar. 30.
Heat exchange apparatus and element of plate therefor. R. Seligman, W. E. Crosby and H. F. Goodman. 2,075,236; Mar. 30.
Heat exchanger. W. L. De Baufre. 2,075,511; Mar. 30.
Heat exchanger. C. E. Lucke. 2,075,044; Mar. 30.
Heat recovery apparatus, Waste water. A. C. Strand. 2,075,784; Mar. 30.
Heat-resisting implement. W. Hessenbruch. 2,075,718; Mar. 30.
Heater. R. J. Parsons. 2,075,463; Mar. 30.
Heating. E. L. Wiegand. 2,075,686; Mar. 30.
Heating structure. R. W. Turner. 2,075,485; Mar. 30.
Heating unit. H. N. Baruch, O. T. Amory, and O. A. Bloxom. 2,075,161; Mar. 30.
Holder: *See*—
Bottle holder. Dental X-ray film holder.
Bow holder.
Holder for scrub pails, Soap. A. H. Anthony. 2,075,566; Mar. 30.
Hole lapping tool. O. C. Kommer. 2,075,397; Mar. 30.
Housing, Coin collector. O. N. Giertsen. 2,075,519; Mar. 30.
Housing for cut-out switches. C. W. Brown. 2,075,170; Mar. 30.
Humidifier. W. J. Woolley. 2,075,324; Mar. 30.
Humidity control for refrigerating mechanism. E. M. Post, Jr. 2,075,225; Mar. 30.
Husking roller. W. O. Lundquist and R. W. Ma Comb. 2,075,448; Mar. 30.
Hydrocarbons, Desulphurizing. A. E. Buell and W. A. Schulze. 2,075,171–4; Mar. 30.
Hydrocarbons, Method and apparatus for converting. J. C. Black. 2,075,164; Mar. 30.
Hydroxyphenylaminoaryles of the pyrene and chrysene series and producing same. W. Hagge and H. Bach. 2,075,393; Mar. 30.
Ice accumulation on aircraft, Apparatus for preventing. J. E. Ramsbottom, B. Lockspeiser, and C. J. Stewart. 2,075,659; Mar. 30.
Ice preventing device. J. E. Ramsbottom, B. Lockspeiser, and C. J. Stewart. 2,075,658; Mar. 30.
Ice shaving machine. H. S. Hughes. 2,075,522; Mar. 30.
Ignition booster system. F. M. Du Laney. 2,075,431; Mar. 30.
Illuminating means for indicating instruments. R. K. Stout. 2,075,068; Mar. 30.
Image frequency rejection system. H. A. Wheeler. 2,075,683; Mar. 30.
Incandescent lamp. L. Grossman and G. Herzberg. 2,075,436; Mar. 30.
Indicator: *See*—
Warming speed indicator.
Ingots, Apparatus and method for controlling freezing of. E. J. Kauffman. 2,075,039; Mar. 30.
Inking mechanism for rotary printing machines. E. Buckingham. 2,075,568; Mar. 30.
Insecticide. P. L. Salzberg and E. W. Bousquet. 2,075,359; Mar. 30.
Insole for ski-boots. E. Jacobsen and J. Carlsson. 2,075,723; Mar. 30.
Internal combustion engine. E. Schimanek. 2,075,231; Mar. 30.
Internal combustion engine. V. F. Zahodiakin. 2,075,597; Mar. 30.
Internal combustion engine, Rotary. W. H. Card. 2,075,786; Mar. 30.
Iron and accessories, Soldering. H. B. Ring. 2,075,227; Mar. 30.
Iron ores, Agglomeration of fine. E. Kugener. 2,075,210; Mar. 30.
Irrigation device. W. H. Coles and B. J. Nelson. 2,075,702; Mar. 30.
Jack: *See*—
Car jack.
Jacquard apparatus for flat knitting looms. C. Scheller. 2,075,139; Mar. 30.
Jewelry construction. J. Sand. 2,075,304; Mar. 30.
Joint: *See*—
Pipe joint.
Joint for electric cables, Stop. N. E. Buck, D. W. Roper, and A. P. Thoms. 2,075,019; Mar. 30.
Ketones and preparing the same, Liquid xylylheptadecyl. A. W. Ralston and C. W. Christensen. 2,075,765; Mar. 30.
Kier. O. P. Curtis. 2,075,180; Mar. 30.
Knife. E. Sprague, Jr. 2,075,310; Mar. 30.
Knife. A. Storfer. 2,075,553; Mar. 30.
Knife, Corn. J. Johnson and J. W. Yager. 2,075,779; Mar. 30.
Knife, Seed selling. J. W. Pease. 2,075,750; Mar. 30.
Knife sharpener machine. M. Handelman. 2,075,608; Mar. 30.
Knitting device and method of knitting. L. M. Miller. 2,075,621; Mar. 30.
Knitting machine. H. B. Aaronson. 2,075,077; Mar. 30.
Ladder. E. J. Arps. 2,075,494; Mar. 30.
Lamp: *See*—
Bed lamp. Incandescent lamp.
Gaseous discharge lamp.
Lead and making the same, Pencil. A. Pischel. 2,075,223; Mar. 30.
Leavening process. J. S. Reichert and W. J. Sparks. 2,075,468; Mar. 30.
Lehr stacker. G. E. Rowe. 2,075,752; Mar. 30.
Light filter. G. Wilmanns. 2,075,153; Mar. 30.
Light fixture, Convenience. C. I. Smith. 2,075,364; Mar. 30.
Lighting fixture. W. W. Kantack. 2,075,206; Mar. 30.
Line spacing machine. H. C. Jones. 2,075,201; Mar. 30.
Liquid cooler. D. H. Dolison. 2,075,184; Mar. 30.
Liquid delivering apparatus. E. G. Petersen and H. D. Seltz. 2,075,356; Mar. 30.
Liquid fuel burner. V. S. Todaro. 2,075,242; Mar. 30.
Liquid level horizon. B. G. Carlson. 2,075,502; Mar. 30.
Liquids, Apparatus for the measured dispensing of. W. L. Marden. 2,075,126; Mar. 30.
Liquids, Cooling. G. N. Reeves. 2,075,358; Mar. 30.
Liquids, Method and apparatus for purifying. T. W. Byrd. 2,075,175; Mar. 30.
Lock: *See*—
Chain lock. Door lock.
Logs, Transporting. A. M. Gilley. 2,075,711; Mar. 30.
Loom: *See*—
Pile fabric loom.
Loom attachment. L. N. Silver. 2,075,668; Mar. 30.
Looms, Filling-feeler for. E. W. Barrett. 2,075,775; Mar. 30.
Lubricator: *See*—
Pantigraph lubricator.
Lubricator. A. Feucht. 2,075,576; Mar. 30.
Machine for covering boxes and the like. P. W. Fleischer and F. J. Hammer. 2,075,605; Mar. 30.
Machine for making and applying bottle caps or capsules. A. H. Karlsson and S. J. Svensson. 2,075,727; Mar. 30.
Machine for molding plastic substances. A. W. Sizer. 2,075,476; Mar. 30.
Machine provided with an automatic firearm. M. Birkigt. 2,075,086; Mar. 30.
Manometer. A. Zimmerli. 2,075,326; Mar. 30.
Marble refacing machine. L. Stetler. 2,075,369; Mar. 30.
Materials, Manufacture or treatment of artificial. H. Dreyfus. 2,075,430; Mar. 30.
Materials produced particularly by printing, Patterned. A. E. Taylor. 2,075,480; Mar. 30.
Measuring machine. E. E. Winkley. 2,075,250; Mar. 30.
Merchandise displaying device, Collapsible. W. S. Powers and O. P. Storch. 2,075,657; Mar. 30.
Metal, Apparatus for the electrodeposition of. F. L. Antisell. 2,075,332; Mar. 30.
Metal body, Heat insulating. J. P. De Cloud. 2,075,388; Mar. 30.
Metal, Method and apparatus for the electrodeposition of. F. L. Antisell. 2,075,331; Mar. 30.
Metal product, Sheet. S. F. Jackes. 2,075,286; Mar. 30.
Metal, Rolling. R. R. Smith. 2,075,066; Mar. 30.
Metal severing tool. R. W. Poe. 2,075,302; Mar. 30.
Metal treatment. V. Conquest. 2,075,757; Mar. 30.
Metals and utilization thereof, Producing of. J. F. Walt. 2,075,150; Mar. 30.
Metals, Rolling. L. S. Dahl. 2,075,273; Mar. 30.
Meter: *See*—
Fluid meter.
Meter. F. S. Rich. 2,075,056; Mar. 30.
Metering system. J. W. Dawson. 2,075,098; Mar. 30.
Mining and loading system. L. F. Crawford and F. Cartlidge. 2,075,505; Mar. 30.
Mirror and picture frame. U. R. Meyers. 2,075,588; Mar. 30.
Modulation. G. L. Usselman. 2,075,071; Mar. 30.
Moisture proofing composition. C. R. Fordyce and H. F. Robertson. 2,075,106; Mar. 30.
Molasses, Clarification of. M. W. Mead, Jr. 2,075,127; Mar. 30.
Mold core, Expansible and contractible. T. Schuster. 2,075,591; Mar. 30.
Mold, Making a record. A. Hewitt. 2,075,646; Mar. 30.
Molding and matrix, Art of. T. C. Browne. 2,075,636; Mar. 30.
Molding apparatus. H. Griesel. 2,075,607; Mar. 30.

Monoazodyestuffs. P. Zervas and H. Clingestein. 2,075,076; Mar. 30.
Motor: *See*—
Small motor.
Motor cycle. A. E. F. van Caneghem. 2,075,785; Mar. 30.
Mounting, Bearing. W. T. Murden. 2,075,745; Mar. 30.
Mounting, Portable drill. W. A. Eller. 2,075,185; Mar. 30.
Mounting, Relay. W. W. Williams. 2,075,490; Mar. 30.
Nest, Bird. A. McFarlane. 2,075,739; Mar. 30.
Network system of distribution. J. S. Parsons and G. O. Harrison. 2,074,132; Mar. 30.
Nut. C. Thorrez. 2,075,675; Mar. 30.
Odor from labels and other printed material, Removing. D. M. McBean. 2,075,533; Mar. 30.
Oil, Solvent refining of lubricating. L. A. Clarke. 2,075,268; Mar. 30.
Oil, Solvent refining of mineral. L. A. Clarke and C. C. Towne. 2,075,269; Mar. 30.
Oiling device. F. Mason. 2,075,532; Mar. 30.
Oils, Conversion and coking of hydrocarbon. J. G. Aither. 2,075,599; Mar. 30.
Olefines, Hydration of. W. P. Joshua, H. M. Stanley, and J. B. Dymock. 2,075,203–4; Mar. 30.
Opening device for packages. E. M. Rice. 2,075,136; Mar. 30.
Operating means for press control mechanism. A. F. Hanney. 2,075,197; Mar. 30.
Operating mechanism for motor vehicle clutches and the like. O. A. Hansen. 2,075,579; Mar. 30.
Ores, Electromagnetically separating. A. L. J. Queneau. 2,075,466; Mar. 30.
Orifice ring structure for glass feeders, Adjustable non-circular. W. T. Barker, Jr. 2,075,756; Mar. 30.
Oscillator and modulator, Tilting. K. Schlesinger. 2,075,140; Mar. 30.
Oscillator, Time delay. R. H. Varian. 2,075,379; Mar. 30.
Pad: *See*—
Safety bath foot pad.
Pantograph lubricator. W. Schaake. 2,075,138; Mar. 30.
Paper cup. M. Niemi. 2,075,049; Mar. 30.
Paper, Safety. J. W. Neff. 2,075,538; Mar. 30.
Paper, Treatment of. J. A. Arvin. 2,075,333; Mar. 30.
Paring machine. C. Stahl. 2,075,551; Mar. 30.
Patch and plug, Combined blow-out. T. W. Mullen. 2,075,453; Mar. 30.
Pen, Fountain. A. S. Romero. 2,075,661; Mar. 30.
Permanent waves, Making. K. G. Ströher. 2,075,631; Mar. 30.
Phonographic dictation machine. R. J. Speir. 2,075,592; Mar. 30.
Phosphoric acid, Manufacture of. C. L. Levermore and R. E. Vivian. 2,075,212; Mar. 30.
Photographic emulsion containing supersensitized carbocyanines. C. E. K. Mees. 2,075,048; Mar. 30.
Photographic emulsion containing supersensitized pseudocyanines. C. E. K. Mees. 2,075,047; Mar. 30.
Photographic emulsion containing supersensitized pynacyanol. C. E. K. Mees. 2,075,046; Mar. 30.
Photographic materials and producing them, Colored. B. Gaspar. 2,075,190; Mar. 30.
Photographic plate system of composite motion-picture photography, Excised. V. I. Whitman. 2,075,684; Mar. 30.
Photographs, Producing colored. B. Gaspar. 2,075,191; Mar. 30.
Pile fabric loom. A. M. Muldoon. 2,075,402; Mar. 30.
Pin and die, Combined rolling. E. J. Alberti. 2,075,157; Mar. 30.
Pipe: *See*—
Exhaust pipe. Smoking pipe.
Smoker's pipe. Toy sparking pipe.
Pipe holding apparatus. W. L. Church. 2,075,426; Mar. 30.
Pipe joint. W. L. Church. 2,075,427; Mar. 30.
Piston. L. P. Kalb and A. J. Meyer. 2,075,290; Mar. 30.
Placer machine. J. F. Poore. 2,075,357; Mar. 30.
Plastic products, Continuous method of and apparatus for making. E. G. Loomis. 2,075,735; Mar. 30.
Plate clamp. P. L. Tollison. 2,075,559; Mar. 30.
Plow. E. Dodd. 2,075,275; Mar. 30.
Plug: *See*—
Circuit isolating plug. Fuse and signal plug.
Plug electric switch. M. Zuckerman. 2,075,632; Mar. 30.
Plug for electric cords, Terminal. E. J. Te Pas. 2,075,674; Mar. 30.
Plug receptacle. C. I. Smith. 2,075,365; Mar. 30.
Pocket and waistband construction, Trouser. L. A. Weinberg. 2,075,680; Mar. 30.
Poison preparation, Bee. K. A. Forster. 2,075,390; Mar. 30.
Polish, Metal. I. Selleck and F. Ray. 2,075,362; Mar. 30.
Polyamines, Preparation of acylated polyalkylene. H. Friedrich. 2,075,109; Mar. 30.
Post: *See*—
Steering wheel post.
Postage affixing device for letters, Coin controlled. D. H. Brook. 2,075,092; Mar. 30.
Pouch and pipe holder, Combined tobacco. N. H. Singer and Jack Sherman. 2,075,629; Mar. 30.
Power plant. F. Hüttner. 2,075,648; Mar. 30.
Power transmission. C. J. Anderson, Jr. 2,075,418; Mar. 30.
Press and similar apparatus, Hydraulic. D. Sciaky. 2,075,235; Mar. 30.
Press with electrically heated container, Extrusion. H. Nehlsen. 2,075,622; Mar. 30.
Pressing machine. P. L. Pendleton. 2,075,299; Mar. 30.
Printing plates, Production of non-metallic. O. B. Crowell. 2,075,507; Mar. 30.
Printing press margin bar. H. A. W. Wood. 2,075,562; Mar. 30.
Prints, Device for developing photographic. A. Schade and J. Horn. 2,075,306; Mar. 30.
Projector, Light. G. E. Smithburn. 2,075,367; Mar. 30.
Prop, Mouth. C. V. McCormack. 2,075,534; Mar. 30.
Protection system. E. Cornwall. 2,075,640; Mar. 30.
Protective device for automobiles. E. Kieber. 2,075,040; Mar. 30.
Protective device for electric lines, Selective. J. Fallou. 2,075,709; Mar. 30.
Protector: *See*—
Ankle protector.
Protein and urea resin molding composition and making same. C. Ellis. 2,075,276; Mar. 30.
Pruning apparatus for trees and the like. J. S. Goodman. 2,075,341; Mar. 30.
Pump: *See*—
Centrifugal pump.
Pump. J. T. Dickson. 2,075,428; Mar. 30.
Pump and method of silencing and operating pumps. E. Benedek. 2,075,017; Mar. 30.
Pump for liquid cooling systems of internal combustion engines. C. W. Bondurant. 2,075,498; Mar. 30.
Rack: *See*—
Display rack.
Rack. H. E. Good. 2,075,279; Mar. 30.
Rack and twine holder, Combined bag. C. J. Olund. 2,075,129; Mar. 30.
Radiator control, Modulated. J. S. Baker. 2,075,160; Mar. 30.
Radio receiving system. W. L. Carlson. 2,075,501; Mar. 30.
Radio receiving system for vehicles. G. P. Adair. 2,075,009; Mar. 30.
Radio signal receiving system. W. R. Koch. 2,075,526; Mar. 30.
Rake. S. P. Neuhausen. 2,075,220; Mar. 30.
Rake teeth for raking cylinders. A. J. Synck. 2,075,555; Mar. 30.
Range. W. H. Frick. 2,075,108; Mar. 30.
Range, Gas. C. B. Rollins. 2,075,406; Mar. 30.
Razor and device embodying razor. B. Christmas. 2,075,007; Mar. 30.
Razor, Safety. A. Schreiber. 2,075,307; Mar. 30.
Receiver control. E. A. Zadig. 2,075,257; Mar. 30.
Receiver support. E. H. Hand. 2,075,196; Mar 30.
Receptacle: *See*—
Plug receptacle.
Receptacle for closure by sealing cap. R. Landau. 2,075,346; Mar. 30.
Reception system. R. C. Curtis. 2,075,181; Mar. 30.
Refrigerating apparatus. E. Heitman. 2,075,438; Mar. 30.
Refrigeration. H. B. Lawton. 2,075,349; Mar. 30.
Refrigerators, Defrosting. J. A. Hussar. 2,075,116; Mar. 30.
Regulating system. R. D. Evans. 2,075,105; Mar. 30.
Relay apparatus, Mechanical. J. F. Schock. 2,075,233; Mar. 30.
Remagnetizing device. J. A. Chegwidden, S. J. Harazim, J. J. Kuhn, and I. C. Pettit. 2,075,504; Mar. 30.
Resinous composition. R. T. Ubben. 2,075,376; Mar. 30.
Resins, Synthetic. G. De W. Graves. 2,075,343; Mar. 30.
Resistance. J. R. Fisher. 2,075,515; Mar. 30.
Resistance and impedance elements for electric circuits. M. Lazarus. 2,075,733; Mar. 30.
Rim, Can drinking. W. B. Hommel. 2,075,721; Mar. 20.
Rivet setting device. R. H. Begg. 2,075,162; Mar. 30.
Rock drill. J. C. Curtis. 2,075,706; Mar. 30.
Rod construction, Curtain. A. N. Pasman. 2,075,052; Mar. 30.
Roll handling mechanism. W. C. George. 2,075,192; Mar. 30.
Roll in opening and picking machinery, Regulating feeding and forming. J. G. Kershaw. 2,075,525; Mar. 30.
Rolled paper feeder. A. J. Springer. 2,075,671; Mar. 30.
Roller: *See*—
Husking roller.
Rolling screen. J. J. Woloszyn. 2,075,322; Mar. 30.
Rolls for rolling metals and apparatus therefor, Surfacing metallic. C. W. Hazelett. 2,075,394; Mar. 30.
Rolls of rolling mills, Alignment maintenance for the. F. P. Dahlstrom. 2,075,574; Mar. 30.
Roofing element. T. Robinson. 2,075,058; Mar. 30.
Rooms, Heating. G. C. Squassi. 2,075,368; Mar. 30.
Rotary engine. A. H. Wellensiek. 2,075,561; Mar. 30.
Rotary sign. L. F. Van Schuck. 2,075,245; Mar. 30.
Rubber and making, Crinkled. J. J. Galligan and W. J. Robinson. 2,075,189; Mar. 30.
Rubber derivatives, Treatment of stabilized. H. A. Winkelmann. 2,075,251; Mar. 30.
Rubber derivatives, Vulcanized halogen containing. H. A. Winkelmann. 2,075,254; Mar. 30.

Rubber hydrochloride transparent sheets, Setting of. E. Gebauer-Fuelnegg and E. W. Moffett. 2,075,255; Mar. 30.
Saddle float. H. T. Tucker. 2,075,374; Mar. 30.
Saddle, Top roll. J. L. Truslow. 2,075,484; Mar. 30.
Safety appliance for elevators. E. S. Kaylor. 2,075,292; Mar. 30.
Safety bath foot pad. J. Rose. 2,075,229; Mar. 30.
Sand dewatering apparatus. L. H. Kessler. 2,075,207; Mar. 30.
Safety device for motion picture machines. H. G. Weiss. 2,075,753; Mar. 30.
Sand bag support. H. Schlesinger. 2,075,627; Mar. 30.
Sandblast apparatus. E. Lauffer. 2,075,732; Mar. 30.
Saw. J. N. Alexander. 2,075,329; Mar. 30.
Saw, Bench. T. L. Hedgpeth. 2,075,282; Mar. 30.
Scanning device. H. E. Ives. 2,075,523; Mar. 30.
Scavenging. H. Schneider. 2,075,232; Mar. 30.
Scraper, Tractor. H. B. Thorpe. 2,075,482; Mar. 30.
Screen: *See*—
Rolling screen.
Screw propeller. F. S. Welman. 2,075,682; Mar. 30.
Seal for refrigerating apparatus. A. A. McCormack. 2,075,769; Mar. 30.
Sealed bearing. R. C. Hamilton. 2,075,645; Mar. 30.
Sealing device. E. J. Svenson. 2,075,148; Mar. 30.
Sealing machine. A. Podel. 2,075,054; Mar. 30.
Seed, Treating beet. H. M. Andreasen. 2,074,159; Mar. 30.
Separating and classifying apparatus. W. P. Laesch. 2,075,731; Mar. 30.
Separator: *See*—
Cream separator.
Separator for liquid and solids. W. R. Mobley. 2,075,353; Mar. 30.
Sewage and the like, Filtration of. F. L. Pruyn. 2,075,542; Mar. 30.
Sewage disposal. W. K. Porteous. 2,075,224; Mar. 30.
Sewer cleaning apparatus. J. O. Magruder. 2,074,215; Mar. 30.
Sewing machine. D. C. Moreland. 2,075,537; Mar. 30.
Sewing machine. S. Zonis. 2,075,598; Mar. 30.
Sewing machine, Rug and carpet binding. H. M. Paternayan. 2,075,656; Mar. 30.
Sewing machines, Stop-motion device for. H. Gunther. 2,075,759; Mar. 30.
Sharpening and stropping cutting implements, Device for. M. L. Lara. 2,075,348; Mar. 30.
Shaving implement. J. M. Bowen. 2,075,698; Mar. 30.
Shedding mechanism for looms. F. W. Preston. 2,075,303; Mar. 30.
Sheet feeding machine. E. W. Belluche and F. R. Belluche. 2,075,016; Mar. 30.
Sheets, Heat treating. W. C. Wallis and E. B. Plott. 2,075,385; Mar. 30.
Shelf, Extensible utility. A. H. Gerhardt. 2,075,644; Mar. 30.
Shield for optical units. S. Nickelsburg and A. Tyroler. 2,075,539; Mar. 30.
Shoetree. E. J. Baas. 2,075,420; Mar. 30.
Shoes. E. W. Dunbar. 2,075,432; Mar. 30.
Siccatives, Production of. H. Schatz. 2,075,230; Mar. 30.
Sign: *See*—
Rotary sign.
Sign and manufacture thereof. E. Mueller. 2,075,655; Mar. 30.
Signal device, Toilet. A. H. Simonsen. 2,075,308; Mar. 30.
Signal device, Traffic. F. J. Loss. 2,075,447; Mar. 30.
Signaling system. L. W. Chubb. 2,075,094; Mar. 30.
Silencer for internal combustion engines. E. O. E. Tyden. 2,075,316; Mar. 30.
Silk and like products, Manufacture and treatment of artificial. H. Dreyfus. 2,075,027; Mar. 30.
Slicer, Meat. T. H. Strachan. 2,075,554; Mar. 30.
Slicing machine. E. A. Reussenzehn. 2,075,545; Mar. 30.
Slicing machine, Bread. S. Debus. 2,075,339; Mar. 30.
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Smoke washer. R. P. Palenzuela. 2,075,221; Mar. 30.
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Smoking pipe. A. H. Behrman and L. H. Eckhardt. 2,075,497; Mar. 30.
Snow removal, Apparatus for. A. M. Jeswine. 2,075,580–1; Mar. 30.
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Sorting machine. W. A. Hoffmann. 2,075,612; Mar. 30.
Sound attenuating device. R. B. Bourne. 2,075,263; Mar. 30.
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Sound, Photographic recording and reproduction of. M. C. Batsel and H. Belar. 2,075,496; Mar. 30.
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Speed change mechanism for screw machines. H. E. Tautz. 2,075,240; Mar. 30.
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Spray head. E. G. Munz. 2,075,589; Mar. 30.
Spring ratchet for micrometer spindles, Adjustable. A. E. Williams. 2,075,754; Mar. 30.
Spring terminal clip. M. Wachsman. 2,075,072; Mar. 30.
Sprinkler, Traveling. W. A. Buckner. 2,075,336; Mar. 30.
Stabilizing means for ships. O. A. Throndsen. 2,075,594; Mar. 30.
Stand: *See*—
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Stand for display trays, Knock-down. H. H. Williams. 2,075,320; Mar. 30.
Steam boiler. I. Harter. 2,075,609; Mar. 30.
Steam engine. H. J. Titus and J. S. Wallis. 2,075,069; Mar. 30.
Steam, Generation and superheating of. H. W. Snyder. 2,075,067; Mar. 30.
Steering mechanism for vehicles. E. K. Benedek. 2,075,567; Mar. 30.
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Stop, Window. A. R. Amundson. 2,075,691; Mar. 30.
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Strap and adjustable clamp-eye therefor, Spar-tree. E. P. Brown. 2,075,335; Mar. 30.
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Structural elements and machine parts, Apertured. F. Rinagl. 2,075,546; Mar. 30.
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Support and lifting attachment for wheels. E. N. Kersey. 2,075,730; Mar. 30.
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Surfacing one metal with another. F. Gettelman. 2,075,518; Mar. 30.
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Switch: *See*—
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Tape, Snap fastener. L. Roseman. 2,075,060; Mar. 30.
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Telephone apparatus, Automatic. A. Boyé. 2,075,634; Mar. 30.
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Tertiary alkylaryloxy alkylols. H. A. Bruson and O. Stein. 2,075,018; Mar. 30.
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Thermostat, Effective temperature. J. H. Van Zandt. 2,075,487; Mar. 30.
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Toe and heel seat steamer, Combination box. J. S. Franklin and L. R. Gilmore. 2,075,434; Mar. 30.
Toilet. G. C. Duncan, Jr. 2,075,030; Mar. 30.
Tool: *See*—
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Tool. J. M. Hardesty. 2,075,520; Mar. 30.
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Transfer means for registering wrappers and bands. A. W. Kath. 2,075,291; Mar. 30.
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Braun tube. Electric discharge tube.
Cathode ray tube. Electron discharge tube.
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Universally mountable container. J. S. Baker. 2,075,080; Mar. 30.
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Vacuum tube circuit frequency changing. R. N. Harmon. 2,075,112; Mar. 30.
Valve: *See*—
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Double disk gate valve. Flush valve.
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Valve assembly. A. L. Parker. 2,075,460; Mar. 30.
Valve assembly, Disk. A. L. Parker. 2,075,458; Mar. 30.
Valve gear for steam and other engines. A. Reidinger and T. B. Maddison. 2,075,469; Mar. 30.
Valve inside construction, Pneumatic. L. C. Broecker. 2,075,167; Mar. 30.
Valve operating mechanism. I. G. Quesada. 2,075,467; Mar. 30.
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Valve seat lapping machine. V. Mancuso. 2,075,216; Mar. 30.
Vault, Sweatproof burial. R. A. Burns. 2,075,500; Mar. 30.
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Vehicle and spring suspension therefor. L. J. Martin. 2,075,585; Mar. 30.
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Vehicle brake. C. N. Lieb. 2,075,734; Mar. 30.
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Vehicle, Motor. C. R. Paton. 2,075,085; Mar. 30.
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Ventilator for windows and the like. B. N. Parmenter. 2,075,461; Mar. 30.
Vessel, Drinking. J. H. Rosen. 2,075,137; Mar. 30.
Vinyl compounds, Polymerizing. S. D. Douglas. 2,075,575; Mar. 30.
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Vinyl resins, Producing. S. D. Douglas. 2,075,429; Mar. 30.
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Wall, Railway car. G. G. Gilpin. 2,075,195; Mar. 30.
Warning speed indicator. F. Lohman. 2,075,530; Mar. 30.
Washer: *See*—
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Washer. J. Sekavec. 2,075,628; Mar. 30.
Waste material for reuse and products made thereby, Reclaiming. R. W. B. Reade and H. L. Levin. 2,075,751; Mar. 30.
Watch adapter, Wrist. E. S. Mix. 2,075,451; Mar. 30.
Watch case. A. Krakower. 2,075,650; Mar. 30.
Water closet and bidet, Combined. I. Salvoni. 2,075,061; Mar. 30.
Water heating apparatus. G. H. Evans. 2,075,708; Mar. 30.
Wave oscillating system, Standing. I. E. Mouromtseff and H. V. Noble. 2,075,128; Mar. 30.
Wax and products therefrom, Forming. J. F. Walt. 2,075,151; Mar. 30.
Weather strip for mechanically balanced windows. F. W. Kammerer. 2,075,616; Mar. 30.
Welding apparatus. Resistance. G. P. Lessmann. 2,075,121; Mar. 30.
Well casing attachment. J. J. Larkin. 2,075,293; Mar. 30.
Well drilling apparatus, Rotary. D. L. Driscoll. 2,075,028; Mar. 30.
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Wildcat for windlasses. G. H. James. 2,075,524; Mar. 30.
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Wood preserving and fireproofing composition. C. D. Bell, Jr. 2,075,693; Mar. 30.
Wrapper feeding and cutting device. D. M. Hunter. 2,075,037; Mar. 30.
Writing instrument. D. Kahn. 2,075,725; Mar. 30.
Zinc plating. F. F. Oplinger. 2,075,623; Mar. 30.

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Total	1,089		

Interference Notice

U. S. Patent Office, *Washington, Feb. 10, 1937.*

Fred P. Hoffmann, his assigns, or legal representatives take notice:

An interference having been declared by this Office between Patent No. 2,000,285, granted May 7, 1935, to Fred P. Hoffmann, 1831 Chicago Avenue, Evanston, Ill., and the application for patent of Samuel Barton Sklar, 27 West 72nd St., New York, N. Y., and a notice of such declaration sent by registered mail to said Hoffmann at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Hoffmann, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Notice of Cancellation

U. S. Patent Office, *Washington, Feb. 6, 1937.*

The heirs, assigns, or legal representatives of Franklin Schroyer, deceased, take notice:

A cancellation proceeding has been instituted by this Office upon the application of May Oil Burner Corporation, Maryland Avenue and Oliver Street, Baltimore, Md., to effect the cancellation of the trade-mark registration of Franklin Schroyer, Lock Box #11, Hutchinson, Kans., No. 212,028, dated April 27, 1926, and the notice of such proceeding sent by registered mail to said Franklin Schroyer at the said address has been returned by the post office with the notation "Deceased" endorsed thereon. The letter sent to the legal representatives of said Schroyer, suspending proceedings in order that they might intervene, has also been returned by the post office as undeliverable. Notice is hereby given that unless said Franklin Schroyer, his heirs, assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Disclaimers

1,475,932.—*Thomas W. Cappon*, Newark, N. J. Ink Eradicator. Patent dated December 4, 1923. Disclaimer filed February 6, 1937, by the patentee and the assignee of one-half interest, *Cardinell Corporation.*

Hereby enter this disclaimer to claim 8 of the Letters Patent.

1,997,543.—*Oscar H. Dicke*, Rochester, N. Y. Train Dispatching System for Railroads. Patent dated April 9, 1935. Disclaimer filed February 8, 1937, by the assignee, *General Railway Signal Company.*

Hereby enters this disclaimer by disclaiming from claims 23 and 24 any system, except wherein the "impulses" specified are energizations of the "line circuit" and the "prolonged" impulse is a prolonged energization of said "line circuit".

2,007,156.—*Clarence R. Burrell*, Cleveland, Ohio. Lubricating System. Patent dated July 9, 1935. Disclaimer filed February 6, 1937, by the assignee, *The Farval Corporation.*

Hereby enters this disclaimer to the subject-matter of claims 6, 7, 8, and 9 of said Letters Patent.

2,019,971.—*Robert K. Hopkins*, New York, N. Y. Arc Welding Machine. Patent dated November 5, 1935. Disclaimer filed February 3, 1937, by the patentee; the assignee, *The M. W. Kellogg Co.*, concurring.

Hereby enters this disclaimer to claim 1 in said specification.

2,056,348.—*Martin A. Edwards*, Schenectady, N. Y. Control System. Patent dated October 6, 1936. Disclaimer filed February 6, 1937, by the assignee, *General Electric Company.*

Hereby enters this disclaimer to claim 1 of said Letters Patent.

Condition of Applications Under Examination at Close of Business February 13, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 36,321; Trade-Mark Division, 1,554. Oldest new case, Aug. 22, 1936; oldest amended, Aug. 8, 1936.)
(The dates given are 1936 except where † indicates 1937)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 29	Dec. 4	398
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Sept. 16	Sept. 15	816
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 23	Nov. 17	471
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Oct. 19	Oct. 15	565
3077	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Nov. 13	Nov. 20	460
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 14	Oct. 14	673
5725	7. JARBOE, C. G., Optics; Photography	Nov. 16	Nov. 17	831
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Oct. 22	Oct. 29	429
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 25	Nov. 23	397
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Nov. 11	Nov. 20	428
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Nov. 14	Nov. 14	409
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms.	Oct. 6	Sept. 12	593
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Dec. 2	Dec. 2	467
5097	14. SMITH, G. A. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Nov. 4	Oct. 27	563
4897	15. HENKIN, BENJ. (Act.), Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 12	Nov. 12	921
5612	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 24	Oct. 24	591
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 21	Nov. 18	525
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 14	Oct. 8	477
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Oct. 22	Oct. 30	668
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Nov. 4	Nov. 2	477
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Nov. 13	Nov. 14	610
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Nov. 16	Nov. 16	610
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Aug. 22	Aug. 8	243
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 18	Nov. 18	544
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Nov. 6	Nov. 9	562
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Dec. 1	Dec. 2	371
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Sept. 14	Sept. 14	760
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Nov. 11	Nov. 7	325
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Nov. 17	Nov. 20	472
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 16	Oct. 14	668
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Nov. 20	Nov. 19	418
4086	32. ARMSTRONG, HOWARD M. (Act.), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating.	Nov. 16	Nov. 18	462
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Nov. 18	Nov. 13	641
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Nov. 14	Nov. 14	321
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Oct. 3	Oct. 8	719
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Nov. 23	Nov. 30	266
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Oct. 21	Oct. 28	678
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Nov. 16	Oct. 24	368
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 28	Nov. 5	426
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 16	Oct. 16	1079
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Aug. 25	Sept. 14	467
5882	42. CUTTING, H. O., Electric Signaling	Nov. 7	Oct. 31	408
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Nov. 13	Nov. 13	623
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Oct. 15	Oct. 17	647
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Oct. 28	Oct. 17	586
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Oct. 28	Oct. 24	479
7600	47. BARKER, H., Clutches; Brakes	Nov. 14	Nov. 17	461
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Nov. 14	Nov. 14	532
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 27	Nov. 23	396
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Nov. 13	Nov. 13	583
5628	51. BACKUS, C. D., Radiant Energy	Nov. 16	Nov. 16	715
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Nov. 20	Nov. 21	645
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Oct. 2	Oct. 2	1018
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Nov. 18	Nov. 25	351
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 24	Sept. 24	741
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Oct. 30	Oct. 30	894
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Nov. 7	Oct. 30	527
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 14	Nov. 23	310
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	Nov. 18	Nov. 24	350
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Oct. 9	Oct. 6	613
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Nov. 16	Nov. 25	269
3876	62. PUGH, E. C., Games; Geometrical Instruments	Nov. 19	Nov. 18	435
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Nov. 5	Nov. 4	515
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Nov. 14	Nov. 14	783
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Sept. 9	Sept. 5	759
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND — Trade-Marks	†Jan. 11	†Jan. 29	1308
	Labels and Prints	†Jan. 18	†Feb. 1	246
2605	Designs, H. H. KALUPY	†Jan. 15	†Feb. 1	512

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE SAMIRAN

No. 3,704. Decided December 21, 1936

86 F.(2d) 756

PATENTABILITY—FLUID SEGREGATOR.

Claims for a fluid segregator *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. Sol Shappirio for Samiran.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the action of the Examiner in rejecting claims 17 and 18, being all of the claims of the appellant's application for patent on improvements in fluid segregator, filed April 29, 1930.

The improvements relate, as the application recites, to "fluid density responsive devices and more particularly to float means responsive to fluids having densities greater or less than a fluid of known density and is especially useful in connection with automatic valves controlled by the density of the fluid passing through it."

Claim 18 is illustrative of the subject matter involved, and is as follows:

18. Means for operating a valve including a float device adjustable to different mean densities corresponding to liquids of different densities, said float device comprising a container having an air chamber adapted to receive a liquid for weighting said float device, and means cooperating with said chamber and forming a part of said float for establishing a desired relation between the weight of the liquid and the volume of the float to obtain a float having a predetermined weight per unit volume such that said float will assume substantially the same buoyant position in any of the liquids to which it is adjustable, said float having a mean density such that it will displace a weight of said liquid to which it is adjusted that is less than the weight of the liquid displaceable by the entire volume of said float but greater than a similar volume of any medium having a lesser density than the density of the reference medium and being of sufficient volume to be capable of doing work required to actuate said valve.

As shown by the specification and drawings, the appellant has disclosed a float device in the form of a hollow symmetrical container having a cylindrical wall and similar spherical end portions. This float is constructed in half sectional units from any suitable material, preferably from sheets of copper. Two openings are in the upper spherical end portion which are fitted to receive plugs. By the removal of the plugs, the float device can be "adjusted" by placing weighting material in the interior of the float, so that the float will sink to the point in the sustaining fluid which is marked on the float by some "visual indication." No particular kind of ballast is provided, but, by this adjustment process, the float is so weighted that it will operate a valve at any point desired and permit the escape of some of the liquid within the container in which the float operates. It is said to be of much value in aircraft, where it is desired to separate water from gasoline which is being conducted to the engine. This device is also useful in the separation of other liquids. It operates upon the principle that the heavier the sustaining fluid, the less volume of liquid will be displaced by the float and the higher the float will rise. This principle of adjustment is used in weighting the float, whether the fluid above the float is a liquid or a gas.

The tribunals of the Patent Office were of opinion that the rejected claims lacked patentability in view of the patent to Whitney et al., of June 19, 1923, No. 1,459,486, and the patent to Fantz et al., of November 2, 1926, No. 1,605,105.

The Board of Appeals also made note of the fact that in Fantz et al. there would be required "some additional manipulation of the weight 57 but this necessity for manipulation may be offset somewhat by the ability to use a float having a lesser diameter." The Board also notes that in the patent to Whitney et al. extraneous balancing is required to effect final adjustment. The Board thought, however, that it would be obvious to balance a float either by interior or exterior weighting.

The patent to Whitney et al. discloses a float connected to a valve, which float has an opening in the top thereof, closed by a plug, and through which ballast may be supplied to keep the float in the position desired. The object of Whitney et al. device is to separate liquids so that when the float is raised to a certain point by the admission of liquid, such as water, the valve will be opened and liquid will be caused to flow outward until the float again sinks to the desired location.

The patent to Fantz et al. operates in a similar manner, and will permit the draining off of liquid and the consequent separation of two liquids. The float shown by Fantz et al. has an opening in the top through which necessary ballast may be admitted, and as this float rises and falls it causes a valve for the egress of liquids to be opened or closed.

The appellant argues, however, that neither Whitney et al. nor Fantz et al. anticipates his disclosure, because of the fact that both patents have weights ouside of the container and distinct from the float, which assist in opening the valves, and which are adjusted from the outside.

The patent to Whitney et al. shows a bar connected by a pivotal arrangement, and another arm to the float. A counterpoise provided with a pawl can be moved in any direction along the bar to further adjust the float. That it is intended to use the weight in combination with the float is evidenced by the claims of the patent, each of which claims both features.

In the Fantz et al. patent, a weighted arm is provided to aid in operating the valve and it is said, among other things in the specification,

"At the moment the weighted arm 46 passes its dead center line its movement is given added momentum by

reason of the weight 47. The moving arm 46 comes in contact with the valve operating arm 49 and the force of the moving weighted arm 46 operates to quickly turn the valve 21 • • •."

The Solicitor for the Patent Office makes this argument in his brief:

However, the fact that a reference contains elements over and above those called for by a claim obviously does not preclude the reference from being an anticipation, unless the claims are expressly drawn to exclude elements other than those enumerated. Appellant's claims here are not so drawn, because each includes the word "comprising", which means that the claim is intended to cover structures having elements in addition to those enumerated. *In re Gray et al.*, 19 C. C. P. A. (Patents) 745, 1932 C. D. 85; *In re Cox et al.*, 22 C. C. P. A. (Patents) 761, 1935 C. D. 125.

An examination of the rejected claims, however, seems to indicate that the claims are expressly limited to the particular elements therein mentioned. Claim 17, for instance, recites,

"said float comprising a container having an air chamber to receive an air displacing substance for weighting said float, and means cooperating with said chamber and *forming a part of said float* for establishing a desired relation between the weight of the air displacing substance," etc. [Italics ours.]

Claim 18 has similar language wherein it recites,

"and means cooperating with said chamber and *forming a part of said float*." [Italics ours.]

Here it appears that the float is self-contained and operates without assistance from the outside. The means which cooperates with the chamber is a part of the float itself, and hence it does not obtain outside assistance from a weight or lever, or any similar means.

It is true, as argued by the Solicitor for the Patent Office, that the language, "comprising a container having an air chamber," etc., may be broad enough to include other means, under the reasoning of the cases cited in the above excerpt. However, the meaning of the word "comprising" cannot be construed to extend so far as to eliminate the expressed limitations which the appellant has placed within his claims, and by which limitations he restricts his cooperating means to the float itself.

It may be obvious to so adjust the means of Whitney et al. or Fantz et al. as to accomplish applicant's purposes, as the Board of Appeals states. However, the prior art, as cited here, shows no such self-sufficient float valve, and it is thought that the applicant should have the benefit of the doubt.

In this view of the matter we conclude that the rejected claims should have been allowed, and the decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE MILLER

No. 3,703. Decided December 7, 1936

86 F.(2d) 408

PATENTABILITY—COMPOSITION OF ALCOHOL AND COFFEE AND PROCESS OF MAKING THE SAME.

Claims for a composition of alcohol and coffee and claims for a process of manufacturing same *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Gerald G. Barry for Miller.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting claims 1 to 8, inclusive, and 13 to 16, inclusive, of appellant's application for patent, upon the ground that the same are not patentable in view of the cited prior art.

Claims 3 and 14 are illustrative and read as follows:

3. In the process of manufacture herein described, the steps comprising introducing roasted coffee beans into water, then cooking with Cognac brandy, or the like, in such a manner that the deleterious portion of alcohol is released as a gas (but not other alcoholic constituents), and removed from the mass, then separating the roasted coffee beans, and withdrawing a water soluble extract composed of the cooked brandy and coffee solutions, substantially as described.

14. A composition of alcohol and coffee, substantially as set forth.

The references relied upon are: Collingridge et al. (British), 1,573, of 1878; Meyer (British), 6,453, of 1900; Page 196 of "Beasley's 3,000 Prescriptions"; Pages 181, 182, 163 of "Manual of Beverages" by Hiss.

The alleged invention is concisely described in the statement of the Examiner as follows:

The alleged invention resides in a medicinal composition in the form of a beverage to be used as a tonic and stimulant. In preparing the composition, freshly roasted coffee is extracted with hot water. To this coffee extract there is added a quantity of Cognac brandy, alcohol, or the like and the mixture is heated to a temperature below 175 degrees Fahrenheit in a vessel equipped with a water-cooled condenser for a period of 15 to 30 minutes, then cooled and bottled. The specification is not clear as to the relative proportions of coffee extract and alcohol used, but it is stated that when the mixture is to be added to other alcoholic liquids the coffee extract of the cooked preparation should be in excess of the alcoholic content of the Cognac or other brandy used in it. The end of the condenser is left open to the air and applicant states that from this opening during the cooking there evolves a "reek of very poisonous gas and condensate which should not be put back or allowed to get back into the preparation." The composition is to be used by itself or is to be mixed with other alcoholic beverages or may even be added to laxative oils such as castor oils. When added to alcoholic beverages or when used alone for its alcoholic stimulating effects the main object is to afford the patient or user the full stimulating effects of the alcohol without the intoxicating effects. A larger quantity of alcohol may therefore be consumed without the user becoming intoxicated.

The patent to Collingridge et al. shows a composition "of a nontoxicant and potable character" made by digesting tea leaves or roasted coffee berries with alcohol and water in a vessel at a temperature of 90 to 100 degrees Fahrenheit.

Page 163 of the "Manual of Beverages" contains the following formula:

III.

Coffee, freshly roasted and ground	av. oz.	16
Sugar	av. oz.	48
Brandy, best French	fl. oz.	2
Water, boiling		sufficient

Moisten the coffee with some hot water mixed with the brandy, pack in a percolator, pour on boiling hot water until 32 fluid ounces of percolate are obtained, and in this dissolve the sugar by agitation.

• • • • • • • • •

Pages 181 and 182 of the same manual disclose several formulae comprising coffee extracted with alcohol and water.

The patent to Meyer is for a mixture of powdered coffee beans and oil. The mixture is put up in capsules. The patent states:

• • • The black coffee produces a depressing effect counteracting that of the liquor, and the oil prevents the spirit from rising to the head. • • •

Page 196 of the Beasley publication states:

Roasted Coffee is exhilarant and antisoporific; and is used to counteract the effects of opium, alcohol, and other narcotic poisons. It is best prepared by percolation, with from 1 to 2 ounces of ground coffee to a pint of boiling water. • • •

Appellant's specification contains the following statement:

I prefer to work with the fresh hot extract that has been brought to the desired temperature to produce the proper combination, say to a temperature of between 140 degrees Fahrenheit and say 165 degrees F., but no ill effect results if the temperature is carried up to and slightly above 173 degrees Fahrenheit, more or less, *which is at or near the boiling point of grain and fruit alcohols and the ethyl alcohol of the U. S. Pharmacopeia.* To this hot coffee extract, and delivered through a tube under the surface of the said extract, I gradually add a quantity of Cognac, or other like brandy, in a proportion to the strength of the coffee extract used, as I find the neutralizing of the intoxicating qualities of the different percentages of alcohol, in the final compound or admixture to which my preparation may be combined, as well as in the preparation itself, depends upon the strength of the coffee extract. I find a weak coffee extract will take up and act upon a smaller percentage of alcohol, while a stronger coffee extract will change and fix the larger percentage of alcohol into the non-intoxicating variety. When all the Cognac has been added and stirred thoroughly, I prefer to then cook at an maintained elevated temperature, in a closed vessel, for a period of from one-quarter to one-half hour, before cooling the mixture (which has now made new combinations or changes within the mass) to a point where it can be put into glass bottles and sealed while still hot, and thereafter further and finally cooled for subsequent storage, shipment and use. [Italics ours.]

The specification further states:

It is the cooking together of these heated solutions which produces new results that are exact and uniform in action, depending upon the strength of the ingredients used. It is my belief that certain exploded starches and proteins in the extracts, at the critical temperature of the cooking, combine with both the coffee and the alcohol, and a gas, which is deleterious, is released and should be removed. This makes a new chain of chemical combinations, not fully known at this time, but which have the power of releasing intoxicating lethal gases from the alcohol mixture, combining perhaps with an exclusion of the excess of hydrogen, which excess of hydrogen in straight alcohol, without my invention, introduces an excess of hydrogen into the blood, and this causes intoxication. Or, it may be, that by the use of my process a release of ethylene gas is brought about, and the ethylene being no longer present to be taken into the blood or stomach, the cause of intoxication is eliminated.

We would observe at this point that it would appear that the precise character of the gases claimed to be released could be easily determined by chemical analysis, especially as it is stated in the specification that the gas released is very poisonous and that the by-product thus secured will be found of market value as an insecticide. There is nothing in the specification which enlightens us upon this point, and it will be observed that the claims recite that the gas thrown off is "the deleterious portion of alcohol." What is the deleterious portion of alcohol is a question upon which there is a wide divergence of opinion. Many people believe that all portions of alcohol are deleterious; others believe that, taken in moderate quantities, none are.

The Examiner declined to accept appellant's theory, and held that the removal of the gaseous substance is not patentably material and its omission from the Collingridge process does not avoid his patent as a reference. He further held that the heating process shown in Formula III of the "Manual of Beverages," hereinbefore quoted, is equivalent to appellant's cooking step.

The Board of Appeals affirmed these conclusions of the Examiner, and we find no error in its decision.

We think the process shown in said Formula III of the "Manual of Beverages" is equivalent to appellant's cooking process, especially as appellant's specification states that the temperature must be held below 175° F., which, it is stated, "is at or near the boiling point of grain and fruit alcohols and the ethyl alcohol of the U. S. Pharmacopeia."

In said Formula III of the "Manual of Beverages" boiling water is poured upon the mixture when packed in a percolator, and it seems obvious that, if appellant's so-called cooking process releases poisonous gases from the alcohol, the process set out in said formula would also do so. One of the definitions of the word *cook*, as found in Webster's New International Dictionary, is " * * * to prepare or treat (anything) by the action of heat." We regard the sugar in said formula immaterial insofar as the question before us is concerned.

Like the Examiner and the Board of Appeals, we are unable to see wherein appellant's process, or composition secured thereby, differs in any patentable respect from the references herein discussed.

For the reasons stated herein, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

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1,584,479. (See 1,584,150.) 1,593,339. (See 1,272,056.)

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1,971,248, J. C. Black, Process and apparatus for producing low boiling point hydrocarbons from high boiling point hydrocarbons; 1,456,419, same, Process and apparatus for the production of low boiling point hydrocarbons; 1,869,337, Howard & Loomis, Art of converting oil, D. C., N. D. Ill., E. Div., Doc. 15005, *Gasoline Products Co., Inc.*, v. *H. H. Cross Co.* Dismissed Oct. 23, 1936.

1,988,266. (See 1,479,864.)

1,994,933, J. Visser, Receptacle; Des. 97,171, same, Ash receiver, D. C., W. D. Mich., S. Div., Doc. E 2766, *F. L. Jacobs Co.* v. *Applied Arts Corp.* Consent decree; injunction Dec. 21, 1936.

2,021,097. (See 1,325,234.) Re. 17,031. (See 1,479,864.)

Re. 18,276. (See 1,272,056.)

Re. 19,083, C. H. Davis, Jr., Circuit breaker lever; 1,851,567, Davis & Riggs, Circuit breaker, appeal filed Dec. 23, 1936, C. C. A., 2d Cir., Doc. 15165, *General Motors Corp.* v. *Preferred Electric & Wire Corp.*

Re. 19,217. (See 1,325,234.) Des. 97,171. (See 1,994,933.)

T. M. 95,398, T. M. 95,990, Chevrolet Motor Co., Automobiles, and accessories and parts thereof; T. M. 190,028, General Motors Corp., Automobiles and similar motor driven vehicles and parts thereof; T. M. 216,070, same, Automobiles, D. C., N. D. Ill., E. Div., Doc. 13382, *General Motors Corp.* v. *G. E. Vallow.* Decree enjoining defendant from using any of plaintiff's "Chevrolet" trade-marks as shown in plaintiff's Exhibits 1, 2, and 3, Oct. 20, 1936.

T. M. 95,990. (See T. M. 95,398.)

T. M. 190,028. (See T. M. 95,398.)

T. M. 216,070. (See T. M. 95,398.)

T. M. 220,292. (See 1,560,361.)

T. M. 221,415. (See 1,560,361.)

Changes in Classification

Order No. 3,383, February 12, 1937, directs:

In *class 5, Beds* (Division 8), subclass 93, change the last search note following the definition to read:

> Pens for confining children are in class 256, Fences, subclass 25, unless claimed in combination with a crib bottom.

In *class 256, Fences* (Division 1), subclass 25, add to the definition under "Search Class" the following:

> **5**—BEDS, subclass 93, and indented subclass, for crib-type beds and for play-pens having a bottom wall even if the bottom and side members are not connected. The bottom may be a fabric and may rest directly on the floor.

In *class 5, Beds* (Division 8), subclass 344, add to the definition the following note:

> Note.—See class 155, CHAIRS AND SEATS, subclasses 166 and 167, for kneeling stools, and class 280, LAND VEHICLES, subclass 61.5, for repairman's creepers.

In *class 155, Chairs and Seats* (Division 8), subclass 167, change the second note under "Search Class", following the definition, to read:

> **5**—BEDS, subclass 344, for ground mats, and class 280, LAND VEHICLES, subclass 61.5, for repairman's creepers.

In *class 280, Land Vehicles* (Division 10), subclass 61.5, add to the definition under "Search Class" the following:

> **5**—BEDS, subclass 344, for ground mats, and class 155, CHAIRS AND SEATS, subclasses 166 and 167, for kneeling stools;

and in subclass 61, change the last note following the definition to read:

> **Search this class**, subclasses 35 and 61.5.

In *class 20, Wooden Buildings* (Division 33), subclass 1.6, change the note following the definition to read:

> Note.—For construction of counters, bins and shelving per se, see class 211, SUPPORTS, RACKS. For tables, see class 311, SUPPORTS, TABLES.

In *class 24, Buckles, Buttons, Clasps, Etc.* (Division 5), establish the following subclass and definition:

> **Clothespins**
> Wire
> 139.1 Plural clasp.
>
> 139.1. Devices under subclass 139 in which there is provided more than one clasp to grip the clothes and suspend them from the line.

The patents contained in this subclass have been taken for the most part from class 24, subclass 139.

In *class 24, Buckles, Buttons, Clasps, Etc.* (Division 5), add to the definitions of subclasses 73, 81 and 84 the following note:

> Note.—To complete the search, search this class, subclass 137, and indented subclasses;

change the definition of subclass 137 by changing the period at the end of the first sentence to a comma and adding the following:

> such, for instance, as means in addition to the clothes-clasp for securing the device to the line.

and after the definition of subclass 264 add the following note:

> Note.—Compare this class, subclass 138.

In *class 81, Tools* (Division 29), subclass 3.1, add to the definition under "Search Class" the following:

> **65**—KITCHEN AND TABLE ARTICLES, subclass 46, and indented subclasses, for tools per se which are capable of repeated use for removing caps and/or corks from bottle type receptacles.
>
> **215**—BOTTLES AND JARS, subclasses 46 and 55, and class 220, METALLIC RECEPTACLES, subclasses 43 and 47, and indented subclasses, for closure removing devices which are permanently attached to or which are claimed in combination with the closures or receptacles therein provided for.

In *class 215, Bottles and Jars* (Division 58), cancel the existing notes to subclass 46 and substitute therefor the following:

> Note.—For cap and/or cork removing tools for receptacles, see classes 81, TOOLS, subclass 3.1, and indented subclasses, and 65, KITCHEN AND TABLE ARTICLES, subclasses 46–51. Where such tools are permanently attached to, or claimed in combination with, the closures or receptacles, see also this class (215) subclass 55, and class 220, METALLIC RECEPTACLES, subclasses 43 and 47, and indented subclasses.

In *class 220, Metallic Receptacles* (Division 40), subclass 43, add to the definition the following note:

> Note.—See the search notes under this class, subclass 47;

and add to the definition of subclass 47 the following notes:

> Note.—For tools per se which are capable of repeated use for removing caps and/or corks from receptacles, search class 65, KITCHEN AND TABLE ARTICLES, subclasses 46–51, and class 81, TOOLS, subclass 3.1, and indented subclasses.
>
> Note.—For closure removing devices which are permanently attached to a bottle or jar type receptacle or which are claimed in combination therewith, search class 215, BOTTLES AND JARS, subclasses 46 and 55.

In *class 99, Foods and Beverages* (Division 63), subclass 220, give to the search note following the definition the number (1) and add the following notes:

> (2) Note.—See class 167, MEDICINES, POISONS, AND COSMETICS, subclass 14, for the contacting substances per se.
>
> (3) Note.—See class 210, LIQUID SEPARATION OR PURIFICATION, subclass 23, and indented subclasses, for purification of liquids in general by like processes.

In class 106, Plastic Compositions (Division 38), subclass 9, change the second note following the definition to read:

> Search this class, subclasses 11 and 24, and indented subclasses.

In *class 108, Roofs* (Division 33), add to the note following the definition of subclass 7, after "Search Class", the following:

> **91**—COATING, for miscellaneous coated or impregnated fabrics.

In *class 151, Nut and Bolt Locks* (Division 57), add to the main class definition the following:

> except locks of the key or combination type or combinations of such types, for which see class 70, LOCKS, subclass 229, and indented subclasses.

In *class 195, Chemistry, Fermentation* (Division 63), add the following as (2a) note to the main class definition:

> (2a) Note.—Ferments that are carbon compounds (enzymes) respectively and processes of making them are classifiable in this class, and such ferments and processes are controlling for classification over chemical compounds that are not ferments and processes of making them;

change the last lines of the titles of subclasses 3, 43 and 90 to read, respectively:

> 3 **Oils, fats, waxes, esters, or lipins;**
> 43 **Polyhydric or higher alcohols production;**
> 90 **With presence of non-yeast living organisms or extraneous enzymes;**

and in the definition of subclass 3 add the word *esters*, at the end of the third line.

In *class 260, Chemistry, Carbon Compounds* (Division 6), add as the last note in the main class definition the following:

> Note.—Ferments that are carbon compounds (enzymes) respectively and processes of making them are classifiable in class 195, CHEMISTRY, FERMENTATION, and such ferments and processes are controlling for classification over chemical compounds that are not ferments and processes of making them.

In *class 210, Liquid Separation or Purification* (Division 49), cancel the present main class definition and establish the following in lieu thereof:

> This class includes: (1) (a) separation of liquids from liquids or from solids by decantation or filtration or both; (b) purification (not mere sterilization) of water and sewage by chemical, bacterial, or fermental action, or by gases or heat; (c) sterilization of sewage, water, and liquids in general, by ozone, chlorine, antiseptics, germicides, or other chemicals, with or without heat; (d)

chemical modification of sewage that is not more specifically provided for elsewhere; (e) reduction of hardness of water by base exchange; (2) compositions and apparatus that are peculiar to use in the foregoing processes, except as noted below.

This class does not include separation or purification of liquids by distillation, for which see classes 23, Chemistry, 196, Mineral Oils, 202, Distillation, and 260, Chemistry, Carbon Compounds; nor by electrolytic means, for which see class 204, Electrochemistry; nor by formation of concentric liquid layers by centrifugal force, for which see class 233, Centrifugal-Bowl Separators; nor sterilization of water or liquids in general by mere heat, which is included mainly in classes 126, Stoves and Furnaces, and 257, Heat Exchange; nor sterilization of foods and beverages, for which see class 99, Foods and Beverages; nor mere sterilization of water and liquids in general in which the liquids are treated with substances used only for conveying heat or for agitation (e. g., for steam injection heaters, see classes 126, Stoves and Furnaces, 257, Heat Exchange, and 261, Gas and Liquid Contact Apparatus); nor mere drying of sewage, for which see class 34, Driers; nor processes for production of fertilizers for plants that include more than mere chemical or physical modification of sewage, for which see class 71, Chemistry, Fertilizers; nor mere separation of air or gas from liquids, for which see class 183, Gas Separation; nor mere compositions that are only antiseptics or germicides or associations of the same with filtering or adsorbent materials, for which see class 167, Medicines, Poisons and Cosmetics; nor compositions that contain materials that are adapted and designed for use as adsorbents, for which see class 252, Substance Preparation.

Class 21, Preserving, Disinfecting and Sterilizing, is the generic class for sterilization.

Search class—

195—CHEMISTRY, FERMENTATION, for making, separating, purifying, or treating materials by processes that include fermentations, and for compositions or apparatus for use therein, and for processes of making such compositions.

In *class 211, Supports, Racks* (Division 8), change the title of subclass 105 to read as follows:

Specially mounted or attached
Wall or window
Foldable
105 Lazy tongs:

and in the last line of the definition of this subclass change "crossed toggle links" to *lazy tongs*, and add the following notes:

Note.—For other supports utilizing lazy tongs, see class 248, SUPPORTS, subclass 157, for stands; subclass 277, for brackets, and subclass 324, for suspended supports.

Note.—See class 74, MACHINE ELEMENTS AND MECHANISMS, subclass 521, for lazy tong levers.

Note.—For the applications of lazy tongs, see the Index to the Classification of Patents, at the back of the Manual, under the title "Lazy tongs".

In *class 248, Supports* (Division 52), abolish the existing definition of subclass 41 and substitute therefor the following:

41. Staff supports of the bracket type which have a clamp for grasping the staff and also the supporting object.
(1) Note.—Compare with this class, subclass 229.
(2) Note.—See class 24, BUCKLES, BUTTONS, CLASPS, ETC., for fasteners per se. See line note for class 24 appended to the main class definition of this class.

In *class 308, Machine Elements, Bearings and Guides* (Division 45), establish the following subclass and definition:

Rotary
Plain
Radial
Lubricating
Rotary shaft
134.1 Vertical shaft.

134.1. Means for lubricating the radial bearing or bearings of a substantially vertical shaft.

Note.—For lubricated thrust bearings combined with lubricated radial bearings, see this class, subclasses 168–172.

The patents contained in this subclass have been taken from various subclasses in class 308, principally from subclasses 168 and 172.

In *class 308, Machine Elements, Bearings and Guides* (Division 45), add to the definition of subclass 168 the following note:

Note.—Bearings which take a substantial axial load and which are altered for lubrication are classified in this subclass and indented subclasses, whether or not a claimed lubricated radial bearing is attached to a thrust bearing.

In *class 308, Machine Elements, Bearings and Guides* (Division 45), change the last line of the titles of subclasses 57 and 172 to read as follows:

57 **Fastening means,**
172 **End thrust;**

abolish the existing definitions of subclasses 57, 170, and 172, and establish the following definitions in lieu thereof:

57. A top brass or half bearing in combination with means in contact with the brass for holding it in place in a journal box.

Note.—For means holding together two parts of a top bearing (e. g., two parts of a brass or a brass and its wedge), see this class, subclass 54; for cylindrical bushings with holding means not involving alteration of the box other than a hole, see this class, subclass 237; for railroad cylindrical bearings in combination with journal box structure, see this class, subclass 38, and indented subclasses.

170. Lubricant is forced between the bearing surfaces under pressure higher than the ordinary pressure produced by relative rotation of the bearing surfaces and/or the head of lubricant in an ordinary lubricant reservoir that is built in the bearing. This subclass includes pump systems and bearings grooved or otherwise altered to be lubricated only under substantial pressure.

172. Thrust bearings for the end of a shaft with or without attached radial bearings and means for lubricating the same.

Adjudicated Patent

(C. C. A. Wis.) Oster patent, No. 1,956,042, for hair clipper, claims 3, 4, 6, 10, and 11 *Held* not infringed. *John Oster Mfg. Co.* v. *Allover Mfg. Co.*, 86 F.(2d) 807.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,901,305, Albert Knowles, Concrete mixer blade, decided December 9, 1936, claim 3.

Pat. 1,999,864, E. A. Capilion and F. E. Carter, Alloy, decided February 5, 1937, claims 1 and 2.

Pat. 2,036,967, N. S. Lundberg and C. B. De Vlieg, Milling machine, decided December 12, 1936, claim 7.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 2, 1937

[VOL. 476. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 382,972. YORK AND COMPANY, Grand Rapids, Mich. Filed Sept. 5, 1936.

KENSTOKE

For Coal.
Claims use since July 15, 1936.

Ser. No. 384,400. A. ARCHER CROSS, doing business as Chelsea Coal Company, Atlantic City, N. J. Filed Oct. 16, 1936.

PARCO COAL

The word "Coal" is disclaimed apart from the mark.
For Bituminous Coal, Semi-Bituminous Coal, and Semi-Anthracite Coal.
Claims use since Oct. 5, 1936.

Ser. No. 386,220. OAKWOOD SMOKELESS COAL CORPORATION, Bluefield, W. Va. Filed Dec. 2, 1936.

OAKWOOD SMOKELESS COAL

The words "Smokeless Coal" are disclaimed apart from the mark as shown.
For Coal.
Claims use since Apr. 1, 1936.

Ser. No. 386,236. SURPASS LEATHER COMPANY, Philadelphia, Pa. Filed Dec. 3, 1936.

Surpass Kid.

Phantom Kid.

The word "Kid" is disclaimed apart from the mark.
For Dull Sheen Kid Leather.
Claims use since Aug. 29, 1936.

Ser. No. 386,837. ABRAMS & LINDEN, INC., New York, N. Y. Filed Dec. 17, 1936.

MAJESTIC SEAL

The word "Seal" is disclaimed.
For Furs in the Piece.
Claims use since July, 1936.

CLASS 2

Receptacles

Ser. No. 387,655. CARPENTER PAPER CO., Omaha, Nebr. Filed Jan. 11, 1937.

SWAN

For Paper Cups.
Claims use since Nov. 16, 1936.

Ser. No. 387,796. PAPER CUP CORPORATION, Chicago, Ill. Filed Jan. 14, 1937.

PYRAMID

For Paper Cups.
Claims use since Jan. 23, 1934.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 371,949. BIRMINGHAM TRUNK FACTORY, Birmingham, Ala. Filed Nov. 25, 1935.



For Trunks, Including Wardrobe Trunks, Sample Trunks, and Auto Trunks; Traveling Cases, Including Ladies' Hat Boxes, Gladstones, Suit Cases, Zipper Bags, Sample Cases, Week-End Cases, and Wardrobe Cases; Portfolios, Including Brief Cases, Zipper Envelopes, Catalog Cases, and Zipper Ring Binders; and Small Leather Goods, Comprising Ladies' Hand Bags, Bill Folders, Pocket Books, Purses, Wallets, Key Cases, Toilet Cases, and Dressing Sets.
Claims use since Apr. 5, 1905.

Ser. No. 386,826. UNITED CHROMIUM, INCORPORATED, New York, N. Y., and Waterbury, Conn. Filed Dec. 16, 1936.

ELECTROCOLOR

For Pocket Books and Frames.
Claims use since Aug. 6, 1936.

Ser. No. 387,156. TUROFF-HODES, INC., New York, N. Y. Filed Dec. 24, 1936.



mam'selle bags

The word "Bags" is disclaimed apart from the mark shown.
For Ladies' Handbags.
Claims use since Dec. 7, 1936.

CLASS 5

Adhesives

Ser. No. 387,178. MAURICE FOX, doing business as Consolidated Industries, Bridgeport, Conn. Filed Dec. 28, 1936.

CASKET-AID

For Joint Sealing Material.
Claims use since Dec. 5, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 370,474. MODERN HEALTH PRODUCTS, INC., Milwaukee, Wis. Filed Oct. 17, 1935.

SEA GREENS

For Dried Sea Vegetables in Tablet Form to Supply Iodine and Other Mineral Salts Present in Sea Vegetables and Absent in Adequate Quantities in the Normal Diet.
Claims use since Apr. 21, 1933.

Ser. No. 375,451. A. M. MEINCKE & SON, INC., Chicago, Ill. Filed Mar. 2, 1936.

OPACITONE

For Pigment Filler for Paper Filling.
Claims use since June 30, 1932.

Ser. No. 383,450. HARRY RYBERG, Palo Alto, Calif. Filed Sept. 19, 1936.

DERMAGENIC

For Hair Tonic.
Claims use since Jan. 2, 1936.

Ser. No. 383,464. BIENAIME, INC., doing business as Marcel Rochas, New York, N. Y. Filed Sept. 21, 1936.

AVENUE MATIGNON

For Perfumes, Toilet Water.
Claims use since Sept. 5, 1936.

Ser. No. 383,517. HABEEB CASSATLY, doing business as Ibnusina Medicine Preparation Company, Brooklyn, N. Y. Filed Sept. 23, 1936.



The figure is that of an ancient character known as "Ibn Sina" in Arabic or "Avicenna" in English, and known for his works on medicine.
For Preparation for the Treatment of Piles.
Claims use since Sept. 18, 1936.

Ser. No. 383,864. ADDEE MORIN, doing business as Mother Morin's Medicine Company, Manchester, N. H. Filed Sept. 30, 1936.



The picture is that of Mrs. Morin. All wording except "Mother Morin", "Morin's", and "The Mother Morin's Medicine Co." is disclaimed.
For Salve.
Claims use since 1913.

Ser. No. 384,016. WALTER B. SELLMER, doing business as Selmolene Manufacturing Co., San Rafael, Calif. Filed Oct. 5, 1936.

Selmolene SUPER Rub

The word "Rub" is disclaimed apart from the mark.
For Preparation for the Treatment of Sprains, Swellings, Sore Muscles, Stiff Neck, Rheumatic Pains, Muscular Lumbago, Irritated Nerves, Minor Cuts and Bruises, Tired and Swollen Feet, Insect Bites, Frost Bites, Athlete's Foot, Itching, Poor Circulation, Cold Feet, Chest Colds, Coughs and Throat Irritations Due to Colds.
Claims use since July 27, 1936.

Ser. No. 384,565. HANS JOSEPH SCHMUTTERMAIER, doing business as Phera Products Sales, Chicago, Ill. Filed Oct. 19, 1936.

PHERA-KALVIT

For Preparation for Use as an Animal Conditioner.
Claims use since June, 1931.

Ser. No. 384,655. THE EYECHANT COMPANY, Chicago, Ill. Filed Oct. 22, 1936.

Enchant WITH EYECHANT

For Eyebrow and Eyelash Makeup.
Claims use since June 20, 1936.

Ser. No. 384,958. ROSI DI PACE, Palisades Park, N. J. Filed Oct. 30, 1936.

Rosi Dipace

The trade-mark is a facsimile of applicant's signature.
For Preparation Used as an Ointment for Cuts, Pimples, and Sunburn.
Claims use since Oct. 1, 1936.

Ser. No. 385,523. LENTHERIC, INCORPORATED, New York, N. Y. Filed Nov. 14, 1936.

MAZURKA RUSSE

For Perfumes and Cosmetic Creams.
Claims use since Oct. 16, 1936.

Ser. No. 385,599. LYDIA O'LEARY, INC., New York, N. Y. Filed Nov. 16, 1936.

Lydia O'Leary

The trade-mark is the facsimile signature of the president of the applicant company.

For Cosmetic Preparation for Obliterating Birth Marks and Other Skin Blemishes Put up in Liquid, Cream, and Stick Forms, Liquid-Thinning Lotion, Face Powder, Lipstick, Dry and Cream Rouge.
Claims use since 1930.

Ser. No. 385,600. LYDIA O'LEARY, INC., New York, N. Y. Filed Nov. 16, 1936.

Lydia O'Leary's

COVERMARK

The trade-mark consists of the facsimile signature of Lydia O'Leary, president of applicant's company, together with the notation "Covermark", which latter feature is subject of Registration No. 291,566 issued February 16, 1932, and is claimed here only as therein claimed.

For Cosmetic Preparation for Obliterating Birth Marks and Other Skin Blemishes Put up in Liquid, Cream, and Stick Forms.
Claims use since 1930.

Ser. No. 385,752. ROCK PRODUCTS CO., Beloit, Wis. Filed Nov. 19, 1936.

BIG CHIEF
KILL-EM-QUICK



The words "Kill-Em-Quick" are claimed only in association with the other features of the mark as shown.

For Fly Spray.
Claims use since June, 1930.

Ser. No. 385,819. ALUMINUM ORE COMPANY, Pittsburgh, Pa. Filed Nov. 21, 1936.



The drawing is lined for red and blue.

For Alumina, Aluminum Fluorides, Sodium Fluorides, Zinc Fluorides, Lead Fluorides, Magnesium Fluorides, Barium Fluorides, Calcium Oxide, Hydrated Calcium Oxide, Hydrated Calcium Sulfate, and Bauxite Ore Concentrates Such as Mono-Hydrates of Alumina, Di-Hydrates of Alumina, and Tri-Hydrates of Alumina.
Claims use since July 23, 1936.

Ser. No. 386,090. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Nov. 30, 1936.

ALL DAY

For Lipstick, Rouge, Face Powder, Eyelash and Eyebrow Mascara, Creams for the Hands and Face, Preparations for Skin, Hair, and Fingernails, and Perfumes.
Claims use since Nov. 20, 1936.

Ser. No. 386,248. H. BRYAN DUFFY, doing business as F. S. Duffy Medicine Co., New Bern, N. C. Filed Dec. 3, 1936.

Ex-A-Cold

The word "Cold" is disclaimed apart from the mark shown.

For Liquid Preparation for Treatment of Persons Suffering from Colds.
Claims use since Nov. 19, 1936.

Ser. No. 386,672. A. P. BABCOCK COMPANY, Rutherford, N. J., and New York, N. Y. Filed Dec. 12, 1936.

La Romance

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream, and Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth

Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, Eau de Cologne, and Toilet Waters.
Claims use since Nov. 5, 1920.

Ser. No. 386,704. EDWIN J. BACKUS, Chicago, Ill. Filed Nov. 21, 1936.

Haemo-Bovitone

For Iron Preparation for Increasing the Red Blood Corpuscles, Being a Combination of Iron and Beef and Peptones.
Claims use since Sept. 1, 1936.

Ser. No. 386,910. A. H. ROBINS COMPANY, INC., Richmond, Va. Filed Dec. 18, 1936.

ENTHEORATE

For Medicinal Preparation Used for the Treatment of the Cardio-Vascular System and as a Diuretic.
Claims use since Nov. 27, 1936.

Ser. No. 386,959. PARFUMERIE ST. DENIS, New York, N. Y. Filed Dec. 19, 1936.

LOYALTY

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deororants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Dec. 16, 1936.

Ser. No. 386,962. JOSEPH ROBINSON, New York, N. Y. Filed Dec. 19, 1936.

THERMOBALM

For Medication Used in the Treatment of Colds, Catarrh, Sinus Infection, Hay Fever, and Other Disturbances of the Respiratory Organs.
Claims use since July, 1931.

Ser. No. 386,970. TOWNS & JAMES, INC., Brooklyn, N. Y. Filed Dec. 19, 1936.

PERCOMALT

For Internal Preparation Containing Vitamins A, B, D, and G and Used as a General Tonic for Child and Adult as an Aid to Build up the Bone and Tissues of the Body, and Also as an Aid in Making up for the Nutritional Deficiencies Thus Promoting Growth and Repair of the Body.
Claims use since Dec. 10, 1936.

Ser. No. 387,001. GEORGE P. MANUS, doing business as Mylaine Parfum, Chicago, Ill. Filed Dec. 21, 1936.

MYLAINE

For Perfumes, Cologne, Face Creams, and Face Powders.
Claims use since Nov. 20, 1936.

Ser. No. 387,076. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Dec. 23, 1936.

LIMITED
I
EDITION

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.
Claims use since Oct. 29, 1936.

Ser. No. 387,077. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Dec. 23, 1936.

LIMITED
III
EDITION

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Denti-

frices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Oct. 29, 1936.

Ser. No. 387,078. MAISON JEURELLE-SEVENTEEN, LTD., New York, N. Y. Filed Dec. 23, 1936.

LIMITED IV EDITION

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Oct. 29, 1936.

Ser. No. 387,079. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Dec. 23, 1936.

LIMITED VI EDITION

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Oct. 29, 1936.

Ser. No. 387,080. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Dec. 23, 1936.

LIMITED VII EDITION

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Oct. 29, 1936.

Ser. No. 387,081. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Dec. 23, 1936.

LIMITED VIII EDITION

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Oct. 29, 1936.

Ser. No. 387,082. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Dec. 23, 1936.

LIMITED IX EDITION

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Oct. 29, 1936.

Ser. No. 387,083. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Dec. 23, 1936.

LIMITED X EDITION

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Oct. 29, 1936.

Ser. No. 387,084. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Dec. 23, 1936.

LIMITED XII EDITION

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Oct. 29, 1936.

Ser. No. 387,085. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Dec. 23, 1936.

LIMITED XIII EDITION

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Oct. 29, 1936.

Ser. No. 387,086. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Dec. 23, 1936.

LIMITED XV EDITION

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs; Skin Whitener in Liquid, Cream, or Solid Form; Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Oct. 29, 1936.

Ser. No. 387,087. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Dec. 23, 1936.

LIMITED XVI EDITION

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs; Skin Whitener in Liquid, Cream, or Solid Form; Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Oct. 29, 1936.

Ser. No. 387,120. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Dec. 24, 1936.

MAJ-I-CAL

For Insecticides and Preparations for Control of Plant Pests.
Claims use since Oct. 9, 1936.

Ser. No. 387,122. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Dec. 24, 1936.

ZINTOX

For Insecticides and Preparations for Control of Plant Pests.
Claims use since Nov. 10, 1936.

Ser. No. 387,142. B. G. PRATT CO., New York, N. Y. Filed Dec. 24, 1936.

DX

For Insecticides.
Claims use since Sept. 11, 1936.

Ser. No. 387,217. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Dec. 28, 1936.

TANNOTEX

For Chemical Product for Use as Auxiliary Agent in the Textile Industry.
Claims use since Mar. 3, 1933.

Ser. No. 387,218. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Dec. 28, 1936.

ULTRAVON

For Chemical Product for Use as Auxiliary Agent in the Textile Industry.
Claims use since Jan. 20, 1934.

Ser. No. 387,221. SPECIAL CHEMICALS CORP., New York, N. Y. Filed Dec. 28, 1936.

SPEC

For Chemical Mixtures Used in Plating and Finishing of Metals.
Claims use since Apr. 6, 1935.

Ser. No. 387,239. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Dec. 29, 1936.

HALO

For Shampoo.
Claims use since Jan. 4, 1915.

Ser. No. 387,267. IDA LILY BROWARD, doing business as I. L. Broward, Jacksonville, Fla. Filed Dec. 30, 1936.

LB YENDAL

For Liquid Hair and Scalp Preparation.
Claims use since March, 1935.

Ser. No. 387,283. HARRY MORTON LECHAN, doing business as Lechan Products Company, Fall River, Mass. Filed Dec. 30, 1936.

EXTO

For Insecticides.
Claims use since Feb. 2, 1934.

Ser. No. 387,394. THE PURE OIL COMPANY, Chicago, Ill. Filed Jan. 2, 1937.

Purol

For Denatured Alcohol and Radiator Anti-Freeze Compositions.
Claims use since Oct. 26, 1936.

CLASS 11

Inks and Inking Materials

Ser. No. 387,199. THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill. Filed Dec. 28, 1936.



For Carbon Paper and Typewriter Ribbons.
Claims use since Nov. 24, 1936.

Ser. No. 387,231. TYBON CORPORATION, Philadelphia, Pa. Filed Dec. 28, 1936.

DOMITOR



For Inked Typewriter Ribbons and Typewriter Carbon Paper.
Claims use since July, 1932.

Ser. No. 387,232. TYBON CORPORATION, Philadelphia, Pa. Filed Dec. 28, 1936.

X-ELAR

For Inked Typewriter Ribbons, Typewriter Carbon Paper and Ink for All Types of Duplicating Machines.
Claims use since July, 1931.

Ser. No. 387,292. STANDARD PRINTING AND PUBLISHING COMPANY, Huntington, W. Va. Filed Dec. 30, 1936.

CARB-O-SPOT

For Carbon Paper.
Claims use since Dec. 3, 1936.

Ser. No. 387,441. WM. KORN, INC., New York, N. Y. Filed Jan. 4, 1937.



For Lithographic Rubbing Ink, Lithographic Liquid Tusche, Lithographic Transfer Ink, Autographic Ink, Music Plate Transfer Ink, and Lithographic Stick Tusche.
Claims use since 1897.

CLASS 12

Construction Materials

Ser. No. 332,215. AMERICAN SUN TEXTURE PRODUCTS CORPORATION, Jamaica, N. Y. Filed Nov. 17, 1932.



For Plastic Wall Finish.
Claims use since March, 1929.

Ser. No. 372,278. ROBERT HUNTER GRANITE COMPANY, Milbank, S. Dak. Filed Dec. 5, 1935.



The words "Royal Purple" and "Trade Mark" are disclaimed apart from the mark.
For Finished Granite.
Claims use since November, 1932.

Ser. No. 385,793. KEASBEY & MATTISON COMPANY, Ambler, Pa. Filed Nov. 20, 1936.

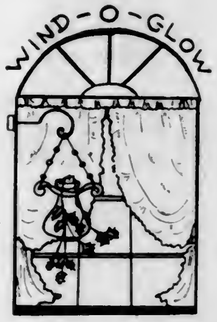
MONOBESTOS

For Asbestos Boards, Asbestos Sheets, Asbestos Lumber, and Asbestos Building Materials in Flat and Sheet Form.
Claims use since Oct. 31, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 384,756. EDWARD J. MILLER, Springfield Gardens, N. Y. Filed Oct. 24, 1936.



The representation of the goods is disclaimed apart from the mark.
For Decorative Glass Vase Suspended from an Artistic Metal Bracket by Means of a Metal Chain and Two Yokes of Similar Design and Material.
Claims use since September, 1935.

Ser. No. 385,883. PAUL DICKINSON, INC., Chicago, Ill. Filed Nov. 23, 1936.

FERROCAST

For Steam Exhaust Heads, Roof and Deck Drains for Buildings, and Wall Scuppers.
Claims use since Jan. 1, 1935.

Ser. No. 386,657. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Dec. 11, 1936.

SMART-SET

For Salt and Pepper Shakers.
Claims use since Nov. 15, 1936.

Ser. No. 387,004. NATIONAL METAL PRODUCTS CORP., Chicago, Ill. Filed Dec. 21, 1936.



For Automatic Air Valves.
Claims use since June 21, 1913.

Ser. No. 387,319. FLEXIBLE STEEL LACING COMPANY, Chicago, Ill. Filed Dec. 31, 1936.



For Belt Couplings or Fasteners, Known as Steel Belt Lacing.
Claims use since Mar. 25, 1916.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 380,722. SOLVAL LIMITED, Montreal, Quebec, Canada. Filed July 7, 1936.

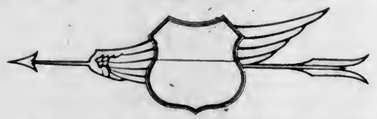
Solval

For Soldering Compositions.
Claims use since December, 1935.

CLASS 15

Oils and Greases

Ser. No. 366,308. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed June 17, 1935.



For Benzine, Heating Oil, Illuminating Oil, Kerosene, Naphtha, Gasoline, and Other Internal Combustion Engine Fuels, Lubricating Oils, Tempering Oils, Black Oils Used as Lubricants, and Lubricating Greases.
Claims use since September, 1928.

Ser. No. 372,687. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Dec. 16, 1935.

PUL-MOR-IZED

For Refined, Semi-Refined, and Unrefined Oils and Greases Made from Petroleum, Both With and Without Admixture of Animal, Vegetable, or Mineral Substances for Illuminating, Burning, Power, Fuel, and Lubricating Purposes.
Claims use since Nov. 12, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 384,344. JOHN J. TONER, New York, N. Y. Filed Oct. 14, 1936.

SANI

For Furniture Polish Having Incidental Cleansing and Disinfecting Properties.
Claims use since Aug. 1, 1936.

Ser. No. 387,013. PINOL MANUFACTURING CO., INC., Philadelphia, Pa. Filed Dec. 21, 1936.



For Paint Enamels, Ready Mixed Paints.
Claims use since May 11, 1934.

CLASS 17

Tobacco Products

Ser. No. 386,284. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936.

AIR CORPS

For Cigarettes.
Claims use since Nov. 5, 1936.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 381,555. CANADA CYCLE & MOTORS COMPANY, LIMITED, Weston, Ontario, Canada. Filed July 29, 1936.

'FLYTE'

For Bicycles and Structural Parts Therefor.
Claims use since Oct. 15, 1935.

Ser. No. 384,929. THE METROPOLITAN BODY CO., Bridgeport, Conn. Filed Oct. 29, 1936.

METRO

For Commercial Motor Vehicles.
Claims use since March, 1936.

Ser. No. 386,336. BEL-PARK MOTORS, INC., Chicago, Ill. Filed Dec. 5, 1936.

SCOOTMOBILE

For Motor Vehicle on Two or Three Wheels (Similar to Children's Scooters).
Claims use since July 1, 1936.

Ser. No. 386,934. THE CLEVELAND WELDING COMPANY, Cleveland, Ohio. Filed Dec. 19, 1936.

ALL AMERICAN

For Bicycles.
Claims use since Dec. 7, 1936.

Ser. No. 386,935. THE CLEVELAND WELDING COMPANY, Cleveland, Ohio. Filed Dec. 19, 1936.

FLEETWING

For Bicycles.
Claims use since Dec. 7, 1936.

Ser. No. 386,936. THE CLEVELAND WELDING COMPANY, Cleveland, Ohio. Filed Dec. 19, 1936.

TRAIL BLAZER

For Bicycles.
Claims use since Dec. 7, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 374,041. CARLTON LAMP CORPORATION, Union City, N. J. Filed Jan. 24, 1936.

BALANCED-LIGHT

For Incandescent Lamps and Photoelectric Cells.
Claims use since Oct. 25, 1935.

Ser. No. 380,813. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed July 8, 1936.

CRYSTALUX

For Luminaires.
Claims use since May 15, 1936.

Ser. No. 382,784. AVON LAMP WORKS, INC., Newark, N. J. Filed Sept. 1, 1936.

AVON

The word "Avon" and the representation of the lamp bulb are disclaimed apart from the mark shown.
For Electric Bulbs.
Claims use since Aug. 14, 1936.

Ser. No. 386,262. LEHR AUTO SUPPLY COMPANY, INC., New York, N. Y. Filed Dec. 3, 1936.

Bond

For Electrical Automotive Supplies and Accessories—Namely, Wires, Sockets, Fuses, Spark Plugs, Switches, Cigar Lighters, Horns, Fans, Heaters, Defrosters, Defrosting and Ventilating Fans, Lamps, Ignition Points, Distributors, Magnetos, and Hot Water Heaters.
Claims use since June 5, 1935.

Ser. No. 386,674. CENTURY LIGHTING, INC., New York, N. Y. Filed Dec. 12, 1936.

FRESNELITE

For Electrically Operated Light Projectors for Indoor and Outdoor Illumination.
Claims use since Nov. 11, 1936.

Ser. No. 386,753. KARL A. ZIMMERER MANUFACTURING CO., Detroit, Mich. Filed Dec. 14, 1936.

SILECTRO

For Electric Beer Coil Cleaners.
Claims use since Apr. 10, 1936.

Ser. No. 387,374. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Jan. 2, 1937.

AQUANOL

For Electrical Wires, Cables, and Conductors.
Claims use since Dec. 12, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 373,351. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Jan. 6, 1936.



"Old Faithful"

For Plastic Modeling Sets and Toy Coloring Sets for Children, Containing Modeling Clay, Crayons, Etc., Sold as a Unit.
Claims use since Mar. 11, 1935.

Ser. No. 385,561. FRANK H. CAVIGNAC-ASSOCIATES, Glendale, Long Island, N. Y. Filed Nov. 16, 1936.

"PLACO"

For Golf Balls, Golf Clubs, and Golf Bags.
Claims use since Sept. 1, 1936.

Ser. No. 387,153. WERTS NOVELTY COMPANY, INCORPORATED, Muncie, Ind. Filed Dec. 24, 1936.

POK-er-Bok

For Games of Chance Played with Concealed Numbers.
Claims use since Aug. 18, 1936.

Ser. No. 387,585. ROBERT KESLER, New Hope, Pa. Filed Jan. 8, 1937.

LAUGH



For Cards Bearing Numbers and Adapted for Use in Playing a Game Like Lotto.
Claims use since Nov. 18, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 378,874. BALKAMP MANUFACTURING CORPORATION, Indianapolis, Ind. Filed May 26, 1936.

BALKAMP

For Cylinder Heads, Manifolds, Axle Shafts, Clutches, Clutch Housings, Clutch Plates, Differential Gears, Transmissions, Transmission Cases, Transmission Gears, Transmission Shafts, Universal Joints, Fuel Pumps, Pistons, Piston Pins.
Claims use since Mar. 15, 1936.

Ser. No. 380,792. PLASTIC BINDING CORPORATION, Chicago, Ill. Filed July 8, 1936.

Plastic

For Machines for Applying Bindings to Stacks of Paper or the Like.
Claims use since June 3, 1935.

Ser. No. 386,135. WIZARD, INC., Chicago, Ill. Filed Nov. 30, 1936.

WIZARD



For Insecticide Sprayers.
Claims use since Mar. 29, 1934.

Ser. No. 386,197. BLAIZE BLUE RAZOR BLADE CO., Detroit, Mich. Filed Dec. 2, 1936.



The words "Blue Razor Blade" are disclaimed apart from the mark. The drawing is lined for red and blue.
For Single and/or Double Edge Safety Razor Blades.
Claims use since Oct. 31, 1932.

Ser. No. 386,671. AMERICAN SAW & MFG. CO., Springfield, Mass. Filed Dec. 12, 1936.

Mo-Speed

The word "Speed" is disclaimed apart from the mark.
For Hack Saw Blades.
Claims use since Nov. 15, 1936.

Ser. No. 387,393. PROGRESSIVE RAZOR & BLADE CO., Maplewood, N. J. Filed Jan. 2, 1937.

MARCY

For Safety Razor Blades.
Claims use since Oct. 2, 1935.

Ser. No. 387,452. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Jan. 5, 1937.

ALVEDO

For Safety Razor Blades.
Claims use since Dec. 29, 1936.

Ser. No. 387,454. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Jan. 5, 1937.

BEAVER

For Safety Razor Blades.
Claims use since Dec. 29, 1936.

Ser. No. 387,459. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Jan. 5, 1937.

PLEBE

For Safety Razor Blades.
Claims use since Dec. 29, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 387,478. UNITED DRUG COMPANY, Boston, Mass. Filed Jan. 5, 1937.

Therm-O-Rex

For Thermometers.
Claims use since Dec. 29, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 384,188. BARKER BROS., INCORPORATED, Los Angeles, Calif. Filed Oct. 10, 1936.

WINDSOR HOUSE

For Living-room Furniture—Namely, Couches, Chairs, Book-Cases, Cabinets, Tea-Wagons, Benches, Book-Racks, Partitioning Screens, Stands, Tabourettes, Pedestals, Davenports; Dining-room Furniture—Namely, Tables, Chairs, Side-Boards, Buffets, Servers, Picture-Frames, Mirrors; Bed-room Furniture—Namely, Beds, Dressers, Chiffoniers, Chests, Night-Stands, Dressing-Tables, Vanities, Costumers, Bureaus, Sewing-Stands; Office Furniture—Namely, Desks, Chairs, Hat-Racks, Book-Ends; Garden Furniture—Namely, Chairs, Tables, Benches, Porch-Sets, Sun-Shades.
Claims use since Sept. 29, 1936.

Ser. No. 387,398. REMINGTON RAND INC., Buffalo, N. Y. Filed Jan. 2, 1937.

ARISTOCRAT

For File Cabinets and Parts Thereof.
Claims use since March, 1924.

Ser. No. 387,411. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y. Filed Jan. 2, 1937.

BRIGADIER

For File Cabinets, Drawers, and Parts Thereof.
Claims use since Nov. 25, 1936.

Ser. No. 387,412. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y. Filed Jan. 2, 1937.

CAPTAIN

For File Cabinets, Drawers, and Parts Thereof.
Claims use since Nov. 25, 1936.

Ser. No. 387,413. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y. Filed Jan. 2, 1937.

COLONEL

For File Cabinets, Drawers, and Parts Thereof.
Claims use since Nov. 25, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 383,748. GUY PASCHAL, New York, N. Y. Filed Sept. 28, 1936.

NORTH WIND

For Air Conditioning Units.
Claims use since Aug. 14, 1936.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 386,250. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 3, 1936.



For Tires Composed Wholly or Principally of Rubber.
Claims use since Nov. 25, 1936.

CLASS 36

Musical Instruments and Supplies

Ser. No. 387,308. ACCORDIANA, INC., New York, N. Y. Filed Dec. 31, 1936.

Accordiana

For Piano Accordions.
Claims use since Oct. 25, 1936.

CLASS 37

Paper and Stationery

Ser. No. 384,591. KIRCH-TRUMBULL CORPORATION, Alden, N. Y. Filed Oct. 20, 1936.

KITCO

For Paper Toilet Articles—Namely, Paper Towels and Paper Toilet Seat Covers.
Claims use since Apr. 1, 1935.

Ser. No. 386,501. SCOTCH PRODUCTS INCORPORATED, New York, N. Y. Filed Dec. 8, 1936.

SAV-A-THUM

For Rubber Thumb and Finger Protectors.
Claims use since Nov. 26, 1936.

CLASS 38

Prints and Publications

Ser. No. 372,032. STROOCK & WITTENBERG CORP., New York, N. Y. Filed Nov. 26, 1935.

RESINEWS

For House Organ.
Claims use since Nov. 20, 1935.

Ser. No. 384,180. JOSEPH FRANKLIN MONTAGUE, New York, N. Y. Filed Oct. 8, 1936.

Health Parade

A magazine devoted to all matters of health

The words "A Magazine Devoted to All Matters of Health" are disclaimed apart from the mark.
For Magazine Devoted to All Matters of Health to be Published from Time to Time.
Claims use since May 1, 1936.

Ser. No. 385,213. THE CHEK-CHART CORPORATION, Chicago, Ill. Filed Nov. 6, 1936.

Photo-Chek
Chek-Chart

For Automotive Lubrication and Accessory Equipment Information in Chart and Pamphlet Form Published at Intervals.
Claims use since Sept. 15, 1936.

Ser. No. 386,047. ED REED, Des Moines, Iowa. Filed Nov. 27, 1936.

"LAFF IT OFF"

For Cartoons.
Claims use since Nov. 15, 1936.

Ser. No. 386,603. SIMMONS-BOARDMAN PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 10, 1936.

AMERICAN BUILDER
AND BUILDING AGE

For Periodical.
Claims use since November, 1936.

CLASS 39

Clothing

Ser. No. 379,654. WAMSUTTA MILLS, New Bedford, Mass. Filed June 12, 1936.



The word "Shirts" is disclaimed apart from the mark as shown.
For Men's Negligee Shirts, Shorts, and Pajamas.
Claims use since Feb. 26, 1936.

Ser. No. 382,033. BOGOS & BUHL, Pittsburgh, Pa. Filed Aug. 11, 1936.



The drawing is lined for brown. The words "Square Cut" are disclaimed apart from the mark.
For Ladies' and Misses' Fur Coats.
Claims use since Jan. 14, 1936.

Ser. No. 383,788. KENNETH M. TRENCHER, Brooklyn, N. Y. Filed Sept. 29, 1936.



The words "Dry", "Manhattan", "Exclusive with us", "Weather Proof", and "Double Service" are disclaimed apart from the mark.
For Ladies' Sport Coats.
Claims use since 1931.

Ser. No. 384,927. LYTTLE BROS. INC., New York, N. Y. Filed Oct. 29, 1936.

Fashion Committee Frocks

"Fashion" and "Frocks" apart from the complete mark "Fashion Committee Frocks" are specifically disclaimed.
For Women's and Misses' Dresses and Frocks of All Kinds, Character, and Description.
Claims use since Aug. 1, 1936.

Ser. No. 385,119. HANNAH BELLE, New York, N. Y. Filed Oct. 30, 1936.

BELLSHIRE
TAILORED

The word "Tailored" is disclaimed apart from the mark.
For Men's Suits, Top Coats, and Overcoats.
Claims use since Dec. 15, 1934.

Ser. No. 386,174. PHILIP SCHLANSKY & BRO., INC., New York, N. Y. Filed Dec. 1, 1936.



The words "Featherweight Fleece" are disclaimed apart from the mark.
For Women's and Misses' Coats and Suits.
Claims use since Sept. 21, 1935.

Ser. No. 386,271. ROGERS PEET COMPANY, New York, N. Y. Filed Dec. 3, 1936.



For Men's and Boys' Outer Suits and Overcoats.
Claims use since Nov. 19, 1936.

Ser. No. 386,272. ROGERS PEET COMPANY, New York, N. Y. Filed Dec. 3, 1936.



For Men's and Boys' Outer Suits and Overcoats.
Claims use since Nov. 19, 1936.

Ser. No. 386,312. MAX MATUSOW, doing business as The Matusow Mfg. Co., Philadelphia, Pa. Filed Dec. 4, 1936.

SAVANNA

For Boys' and Young Men's Trousers, Shorts, Knickers, and Suits.
Claims use since Dec. 4, 1936.

Ser. No. 386,485. DEVINE & YUNGEL SHOE MFG. CO., Harrisburg, Pa. Filed Dec. 8, 1936.



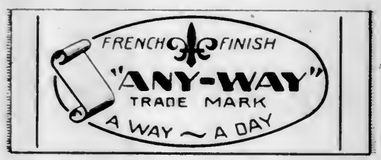
For Shoes Made of Leather, Rubber, Fabric, and Combinations Thereof.
Claims use since June 1, 1936.

Ser. No. 386,628. GEORGE J. BARUCH, INC., New York, N. Y. Filed Dec. 11, 1936.



The word "Furs" is disclaimed apart from the mark as shown.
For Fur Coats, Fur Scarfs, and Fur Neck Pieces.
Claims use since Aug. 1, 1936.

Ser. No. 386,964. SAM-WAY HAT CO. INC., New York, N. Y. Filed Dec. 19, 1936.



All wording is disclaimed apart from the mark.
For Hats, and Particularly Ladies' Hats.
Claims use since Dec. 16, 1936.

Ser. No. 387,017. WILLIAMSBRIDGE MILLS, INC., New York, N. Y. Filed Dec. 22, 1936.

Native

For Women's and Misses' Blouses, Dresses, and Culottes and Skirts.
Claims use since Apr. 8, 1935.

Ser. No. 387,073. KAHN TAILORING COMPANY, Indianapolis, Ind. Filed Dec. 23, 1936.

Riverside Tailoring Co.

For Men's Coats, Vests, Trousers, and Overcoats.
Claims use since July 1, 1926.

Ser. No. 387,113. BURMEL HANDKERCHIEF CORPORATION, New York, N. Y. Filed Dec. 24, 1936.

HANDKERCHIEF OF THE MONTH

The word "Handkerchief" is disclaimed apart from the mark.
For Handkerchiefs.
Claims use since Nov. 17, 1936.

Ser. No. 387,133. KING CLOTHING COMPANY, Flint, Mich. Filed Dec. 24, 1936.

KINGSHIRE

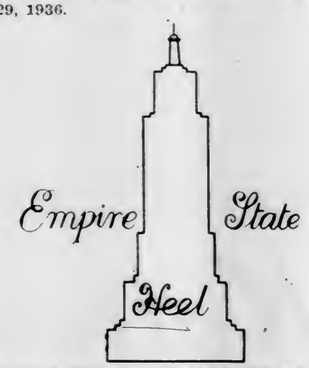
For Men's and Boys' Suits.
Claims use since Nov. 26, 1936.

Ser. No. 387,158. CHAS. GLANZROCK & Co., New York, N. Y. Filed Dec. 24, 1936.

Abbott Sq. Clothes

The word "Clothes" is disclaimed apart from the mark as shown.
For Men's Clothing—Namely, Suits, Topcoats, and Overcoats.
Claims use since Sept. 10, 1935.

Ser. No. 387,238. MILO D. BURKE, New York, N. Y. Filed Dec. 29, 1936.



The words "Empire State" and "Heel" are disclaimed except as shown.
For Ladies' Hosiery.
Claims use since Nov. 2, 1936.

Ser. No. 387,551. GIMBEL BROTHERS, INC., New York, N. Y. Filed Jan. 7, 1937.

ROYAL GRENADIER

For Men's and Boys' Underwear—Namely, Shirts and Shorts.
Claims use since Dec. 23, 1936.

Ser. No. 387,552. HUT NECKWEAR CO. INC., New York, N. Y. Filed Jan. 7, 1937.

DRILLARD

For Neckties and Cravats.
Claims use since Aug. 1, 1936.

Ser. No. 387,558. POIRETTE CORSETS, INC., New York, N. Y. Filed Jan. 7, 1937.

"Nudette"

For Foundation Garments, Corsets, Brassières, and Combinations of the Same.
Claims use since May 25, 1929.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 379,655. WAMSUTTA MILLS, New Bedford, Mass. Filed June 12, 1936.



For Cotton Piece Goods—Pillow Cases and Sheets.
Claims use since Feb. 26, 1936.

Ser. No. 381,809. ALFRED L. HELWITH, New York, N. Y. Filed Aug. 4, 1936.

BAMBOO

For Cotton, Rayon, and Silk Fabrics in the Piece.
Claims use since July 23, 1936.

Ser. No. 383,083. BRAND & OPPENHEIMER, INC., New York, N. Y. Filed Sept. 10, 1936.

COOLA CLOTH

The word "Cloth" is disclaimed apart from the mark.
For Fabric Made of Acetate and Tussah Silk Yarn and Used in the Manufacture of Men's, Women's and Children's Onterwear Garments.
Claims use since July 23, 1936.

Ser. No. 383,285. ROSS & OBERLEDER SILK CORP., New York, N. Y. Filed Sept. 16, 1936.

ROLEDA

For Rayon Textile Fabrics.
Claims use since Apr. 9, 1936.

Ser. No. 385,404. THE HOPEVILLE MANUFACTURING COMPANY, INC., Worcester, Mass. Filed Nov. 11, 1936. Under 10-year proviso.

Hopeville Mills

For Woolen Textile Fabrics (Piece Goods).
Claims use since Apr. 4, 1892.

Ser. No. 385,475. COHN-HALL-MARX CO., New York, N. Y. Filed Nov. 13, 1936.

Fabrikule

For Cotton, Rayon, Acetate, and Silk Piece Goods Sold as Such.
Claims use since July 27, 1936.

Ser. No. 385,691. JULIUS KAYSER & CO., New York, N. Y. Filed Nov. 18, 1936.

Kaysport

For Fabrics in the Piece of Artificial Silk, Cotton, or Combinations Thereof.
Claims use since Nov. 4, 1936.

Ser. No. 386,212. THE KENDALL COMPANY, Walpole, Mass. Filed Dec. 2, 1936.



For Diapers and Nursery Pads Made Partly or Wholly of Fabric.
Claims use since Aug. 20, 1936.

Ser. No. 386,304. ALEXANDER BRICK, Los Angeles, Calif. Filed Dec. 4, 1936.

Krause Kloth

The word "Kloth" is disclaimed apart from the mark.
For Mixed Rayon and Wool Piece Goods.
Claims use since Nov. 23, 1936.

Ser. No. 386,795. EMPIRE SILK COMPANY, Paterson, N. J. Filed Dec. 16, 1936.

Empire Loomcraft Fabrics

The word "Fabrics" is disclaimed apart from the mark.
For Silk Piece Goods, Artificial Silks, Rayon, Wool, and Mixtures of the Same.
Claims use since Oct. 31, 1935.

Ser. No. 386,817. PROGRESSIVE SILK FINISHING CO., Hoboken, N. J. Filed Dec. 16, 1936.

RUSTLE TAFFETA FINISH

The words "Taffeta Finish" are disclaimed apart from the mark.
For Taffeta in the Piece.
Claims use since October, 1935.

Ser. No. 386,819. JULIUS ROSENTHAL, INC., New York, N. Y. Filed Dec. 16, 1936.

"Season-Round" PRINTS

The word "Prints" is disclaimed apart from the mark.
For Textile Fabrics in the Piece, of Cotton, Silk, Rayon, and Combinations Thereof.
Claims use since Aug. 10, 1936.

Ser. No. 386,989. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Dec. 21, 1936.

Fairymist

For Piece Goods of Cotton, Rayon, Silk, Wool, and/or Combinations Thereof.
Claims use since Oct. 1, 1936.

Ser. No. 386,990. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Dec. 21, 1936.

Kordocleer

For Piece Goods of Cotton, Rayon, Silk, Wool, and/or Combinations Thereof.
Claims use since Oct. 1, 1936.

Ser. No. 386,991. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Dec. 21, 1936.

Linovella

For Piece Goods of Cotton, Rayon, Silk, Wool, and/or Combinations Thereof.
Claims use since Oct. 1, 1936.

Ser. No. 387,000. R. H. MACY & CO., INC., New York, N. Y. Filed Dec. 21, 1936.

Marguery

For Silk Crepe and Satin Piece Goods.
Claims use since Sept. 22, 1936.

Ser. No. 387,040. A. D. JUILLIARD & CO., INC., New York, N. Y. Filed Dec. 22, 1936.

FEATHEROY

For Corduroys in the Piece.
Claims use since Apr. 17, 1934.

Ser. No. 387,168. BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn. Filed Dec. 28, 1936.



For Woven Textile Rugs and Carpets.
Claims use since Nov. 30, 1936.

Ser. No. 387,201. GEO. MCARTHUR & SONS COMPANY, Baraboo, Wis. Filed Dec. 28, 1936.

Super-Turk

For Knitted Bath Towels.
Claims use since October, 1934.

Ser. No. 387,249. HERBERT LEHMANN, INC., New York, N. Y. Filed Dec. 29, 1936.

HONEYCOMB

For Piece Goods Made of Wool, Cotton, Rayon, Silk, Artificial Silk, Artificial Fibers, and Combinations of the Same.
Claims use since Dec. 2, 1936.

Ser. No. 387,276. HAMILTON PRINT WORKS, Paterson, N. J. Filed Dec. 30, 1936.

TAFFETONE

For Textile Fabrics in the Piece—Namely, Silk, Cotton, Wool, Rayon, Artificial Silk, and Combinations of the Same.
Claims use since Nov. 15, 1936.

Ser. No. 387,379. INTERNATIONAL LOOMS, INC., New York, N. Y. Filed Jan. 2, 1937.

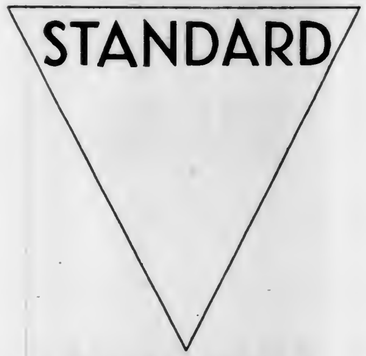
SILVERPOINT

For Carpets, Rugs, and Upholstery Fabrics.
Claims use since Mar. 17, 1934.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 376,456. ASHER CHARLESTON, Philadelphia, Pa. Filed Mar. 27, 1936.



The word "Standard" is disclaimed apart from the triangle.
For Dental Instruments, Materials, and Appliances.
Claims use since Mar. 2, 1932.

Ser. No. 384,391. THE REALISTIC PERMANENT WAVE MACHINE CO., Cincinnati, Ohio. Filed Oct. 15, 1936.

SILAER

For Electrical Permanent Waving Heaters, Electrical Hair Waving Apparatus—Namely, Machines, Supports, and Stands, Parts and Equipment Therefor, Chemically Treated Pads and Flannels for Use upon the Hair.
Claims use since August, 1936.

Ser. No. 385,286. J. P. FISCHER, INC., New York, N. Y. Filed Nov. 9, 1936.

"Circulair"

For Electrical Hair Dryers.
Claims use since Sept. 20, 1936.

Ser. No. 385,626. THE DENTISTS' SUPPLY COMPANY OF NEW YORK, New York, N. Y. Filed Nov. 17, 1936.

FAMOUS

For Artificial Teeth.
Claims use since Feb. 1, 1921.

Ser. No. 386,441. NU-DENT PORCELAIN STUDIO INC., New York, N. Y. Filed Dec. 7, 1936.

NU-DENT

For Dentures, Dental Supplies—Namely, Porcelain Jacket Crowns, Porcelain Bridges, Porcelain Inlays, All Types of Dental Gold-Work, Dental Rubber-Work, Dental Porcelain Work, and Dental Stain.
Claims use since 1933.

Ser. No. 386,754. GEORGE D. ZIELINSKI, doing business as Novo Dental Products Co., Chicago, Ill. Filed Dec. 14, 1936.

Coelastic Colloid

The word "Colloid" is disclaimed apart from the mark shown.
For Hydrocolloid Material for Dental Purposes.
Claims use since June, 1936.

Ser. No. 386,982. C. & W. MANUFACTURING CO., Chicago, Ill. Filed Dec. 21, 1936.

DICTATOR

For Electric Permanent Hair Waving and Hair Drying Machines.
Claims use since Nov. 5, 1936.

Ser. No. 387,132. KELLY-BURROUGHS LABORATORY INC., Chicago, Ill. Filed Dec. 24, 1936.



For Dental Impression Paste.
Claims use since June 1, 1934.

Ser. No. 387,313. CONSOLIDATED DENTAL MANUFACTURING COMPANY, INC., Brooklyn, N. Y. Filed Dec. 31, 1936.



For Dental Alloy, Dental Gold Foil, Molding Compounds for Making Impressions, Amalgams Dental Tin Foil, Artificial Teeth, Inlays, and Bridge Work.
Claims use since June 20, 1933.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 382,552. B. T. FOOKS, doing business as B. T. Fooks Mfg. Co., Camden, Ark. Filed Aug. 25, 1936.

ARKOLA

For Soft Drink.
Claims use since Feb. 15, 1936.

Ser. No. 385,516. H. S. GILE & Co., Salem, Oreg. Filed Nov. 14, 1936.



The words "State Prize" are disclaimed apart from the mark.
For Fruit Juices for Beverage Purposes.
Claims use since Sept. 22, 1936.

Ser. No. 385,961. AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Nov. 25, 1936.

HI-HO

For Prune Juice for Beverage Purposes.
Claims use since Oct. 1, 1936.

Ser. No. 386,794. THE DOUBLE EAGLE BOTTLING CO., Cleveland, Ohio. Filed Dec. 16, 1936.

"66"

For Lithiated Lemon Soda Used as a Beverage.
Claims use since Oct. 27, 1936.

Ser. No. 386,846. HOMER F. BUERKLE, Batavia, Ohio. Filed Dec. 17, 1936.

HI-PORT "ZIP"

The word "Port" is disclaimed apart from the mark as shown.
For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since March, 1934.

Ser. No. 387,266. EDWARD BROUGH, Cleveland, Ohio. Filed Dec. 30, 1936.

Rocky Rz

For Non-Alcoholic, Non-Cereal, Maltless Beverage, Sold as a Soft Drink and Sirup and Extract for Making the Same.
Claims use since Oct. 5, 1936.

Ser. No. 387,287. STEPHEN T. ROMINIECKI, doing business as White Eagle Bottling Works, Philadelphia, Pa. Filed Dec. 30, 1936.

BLUE MONDAY

For Lithiated Lemon Beverage Sold as a Soft Drink and Sirup and Extract for Making the Same.
Claims use since Aug. 12, 1935.

Ser. No. 387,401. LOTTIE SKRABSKY, doing business as Cohasset Club Beverage Co., Youngstown, Ohio. Filed Jan. 2, 1937.

COHASSET CLUB

For Nonalcoholic, Carbonated Beverages.
Claims use since June 10, 1936.

Ser. No. 387,403. LOTTIE SKRABSKY, doing business as Cohasset Club Beverage Co., Youngstown, Ohio. Filed Jan. 2, 1937.

"Dr. Don"

For Nonalcoholic, Carbonated Beverages.
Claims use since June 10, 1936.

Ser. No. 387,405. LOTTIE SKRABSKY, doing business as Cohasset Club Beverage Co., Youngstown, Ohio. Filed Jan. 2, 1937.

"Dr. Up"

For Nonalcoholic, Carbonated Beverages.
Claims use since June 10, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 342,679. WADHAMS & CO. INCORPORATED, Portland, Oreg. Filed Oct. 19, 1933.

Pheasant

The applicant is the owner of registration No. 77,588.
For Canned Fruits, Particularly Apricots, Pears, Peaches, Pineapples, Cherries, Broken Grapefruit; Canned Peas, Tomatoes, Corn, Green Beans, Cut String Beans, Tomatoes with Puree Trimmings; Vanilla Flavor Extract for Foods, Lemon Flavor Extract for Foods; Canned Oysters; and Blended Coffee.
Claims use since November, 1897.

Ser. No. 352,163. THE EMULSOL CORPORATION, Chicago, Ill. Filed June 2, 1934.

EMULSOL

For Nitrogen-Containing Yeast Foods Used in Yeast Leavened Bread.
Claims use since Jan. 1, 1929.

Ser. No. 368,663. JOSEPH ROSENBLUM, doing business as The Rosenbloom Company, New York, N. Y. Filed Aug. 24, 1935.



For Cheese.
Claims use since Jan. 1, 1935.

Ser. No. 374,229. CAROSINI & PARODI, Genoa, Italy, Filed Jan. 29, 1936.



For Herrings, Pilchards, Small Pilchards, Cod-Fish, Stock-Fish, Tunny-Fish, Breast of Tunny, Striped Tunny, Albacore or Yellowfin, Anchovies, Sardines, Dogs-Teeth (Fish), Mackerel, Filleted Mackerel, Filleted Anchovies and Sardines, Shad, Lobster, Craw-Fish, Crabs, Fat Backs (Hogs), Lard, Tomato-Extract, Hors d'Oeuvres, Olives, Pure Olive Oil, Fish-Meal (Used as a Cattle Food), and Sardines in Sauce and Anchovy Paste, (the Various Fish Products Named Being Canned).
Claims use since Jan. 1, 1925.

Ser. No. 384,672. RAINBO BAKING COMPANY OF CINCINNATI, Cincinnati, Ohio. Filed Oct. 22, 1936.

RAINBO

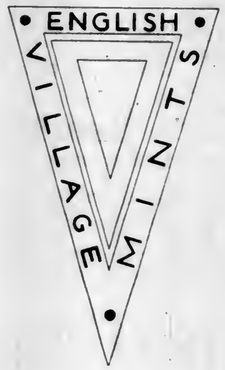
Applicant is the owner of trade-mark registration No. 229,388.
For Bread.
Claims use since Nov. 12, 1935.

Ser. No. 384,683. CHARLES H. WISSEMANN & CO. INC., Richmond Hill, N. Y. Filed Oct. 22, 1936.

ISLAND KING

For Baking Powder, Jellies, Jams, Sugar, Molasses, Honey, Chocolate, Cocoanut, Milk Powder, Nuts, Canned Fruits, Edible Oils and Shortenings for Food Purposes; Corn Products—Namely, Glucose, Yellow Meal, White Meal, and Starch for Food Purposes; Flour—Namely, Cake, Clear, Patent, Rye, Whole Wheat and Rye Meal; Extracts and Flavors for Food Purposes.
Claims use since Sept. 30, 1936.

Ser. No. 384,995. RICHARD EDWARDS, Oak Park, Ill. Filed Oct. 31, 1936.



The words "Mints" is disclaimed apart from the mark shown.
For Candy.
Claims use since Feb. 5, 1936.

Ser. No. 385,142. THE INTERSTATE RICE SALES CO., INC., Crowley, La. Filed Nov. 4, 1936.

INTERSTATE'S

First Prize

The words "First Prize" are disclaimed.
For Rice.
Claims use since June, 1935.

Ser. No. 386,057. VAL VITA FOOD PRODUCTS, INC., Los Angeles, Calif. Filed Nov. 27, 1936.



The representation of a label is disclaimed apart from the mark shown.
For Canned Vegetables, Canned Soups, Canned Vegetable Juices for Food Purposes, Canned Fruit Juices for Food Purposes, Canned Beans and Chili, Canned Tomatoes with Puree, Canned Tomato Sauce, Canned Tomato Paste and Canned Tomato Catsup.
Claims use since December, 1934.

Ser. No. 386,072. BRIONES & CO., INC., New York, N. Y. Filed Nov. 28, 1936.

TRAPPETO

For Olive Oil.
Claims use since August, 1931.

Ser. No. 386,402. CAIRO PICKLE COMPANY, Cairo, Ga. Filed Dec. 7, 1936.

Cairo Beauties

For Pickles, Peanut Butter, Pickle Relish, and Table Syrup.
Claims use since Aug. 26, 1936, on pickles and relish; since Oct. 20, 1936, on peanut butter; and since Nov. 4, 1936, on syrup.

Ser. No. 386,433. KING CITRUS FRUIT CORPORATION, Tampa, Fla. Filed Dec. 7, 1936.

King Citrus

The word "Citrus" is disclaimed apart from the mark.
For Fresh and Canned Citrus Fruits.
Claims use since Apr. 1, 1936.

Ser. No. 386,449. W. B. RODDENBERY CO., Cairo, Ga. Filed Dec. 7, 1936.

HAPPY KIDS

For Table Syrups, Peanut Butter, and Pickles and Pickle Relish.
Claims use since Oct. 3, 1924, on syrup; since Aug. 26, 1936, on pickles and relish; since Oct. 3, 1936, on peanut butter.

Ser. No. 386,763. FANT MILLING COMPANY, Sherman, Tex. Filed Dec. 15, 1936.



The drawing is lined for red.
For Wheat Flour with High Gluten Content.
Claims use since July, 1936.

Ser. No. 386,913. J. R. SHORT MILLING COMPANY, Chicago, Ill. Filed Dec. 18, 1936.

Wytola

For Shortening Preparation Used as an Ingredient of Bread or Other Dough Products for the Purpose of Whitening the Dough.
Claims use since Dec. 1, 1936.

Ser. No. 387,162. WILLIAM A. SHENTON, doing business as W. A. Shenton & Co., Jersey City, N. J. Filed Dec. 28, 1936.

DENT-L-SAVER

For Chewing Gum.
Claims use since Nov. 30, 1936.

Ser. No. 387,375. GENERAL MILLS, INC., Minneapolis, Minn. Filed Jan. 2, 1937.

FAST FLYER

For Flour, Particularly Wheat Flour.
Claims use since Dec. 18, 1936.

Ser. No. 387,425. THE ACME FLOUR MILLS CO., Oklahoma City, Okla. Filed Jan. 4, 1937.

Favorite Son

For Wheat Flour.
Claims use since Dec. 1, 1936.

Ser. No. 387,565. F. L. SKINNER, Dunedin, Fla. Filed Jan. 7, 1937.

Beach River

For Fresh Citrus Fruit.
Claims use since Nov. 5, 1936.

Ser. No. 387,584. E. F. KEMP, INC., Somerville, Mass. Filed Jan. 8, 1937.

CUTLETS

For Nut Candies, Particularly Nut Brittle.
Claims use since Dec. 28, 1936.

CLASS 47

Wines

Ser. No. 344,232. MARQUES DEL REAL TESORO Y CIA, Jerez de la Frontera, Spain. Filed Nov. 28, 1933.



No claim is made to the wording except "Marques del Real Tesoro" apart from the mark shown.
For Sherry Wines.
Claims use since 1900.

Ser. No. 384,870. ALEX D. SHAW & CO., INC., New York, N. Y. Filed Oct. 27, 1936.

Convalescent

Applicant is the owner of the trade-mark evidenced by registration No. 111,512, dated July 18, 1916, which registration applicant failed to renew through inadvertence.
For Wines.
Claims use since Mar. 23, 1915.

Ser. No. 386,307. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y. Filed Dec. 4, 1936.



For Wines.
Claims use since Nov. 24, 1936.

Ser. No. 386,598. ALEX D. SHAW & CO. INC., New York, N. Y. Filed Dec. 10, 1936.

No 25

For Wines.
Claims use since 1908.

Ser. No. 386,599. ALEX D. SHAW & CO. INC., New York, N. Y. Filed Dec. 10, 1936.

No 85

For Wines.
Claims use since 1908.

Ser. No. 386,600. ALEX D. SHAW & CO. INC., New York, N. Y. Filed Dec. 10, 1936.

No 100

For Wines.
Claims use since December, 1933.

Ser. No. 386,601. ALEX D. SHAW & CO. INC., New York, N. Y. Filed Dec. 10, 1936.

No 150

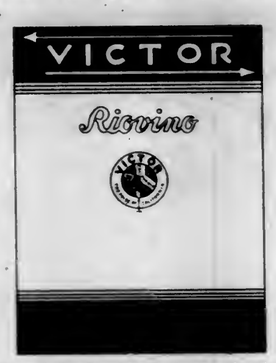
For Wines.
Claims use since 1908.

Ser. No. 386,778. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J. Filed Dec. 15, 1936.

RENAULT
FRENCH 75

For Wines.
Claims use since Dec. 2, 1936.

Ser. No. 386,847. CALIFORNIA GRAPE PRODUCTS COMPANY, San Francisco, Calif., and New York, N. Y. Filed Dec. 17, 1936.



The outline of the label and the word "California" are disclaimed apart from the mark shown.
For Wines.
Claims use since Oct. 21, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 381,749. ATLAS BREWING COMPANY, Chicago, Ill. Filed Aug. 3, 1936.

THRIFTY

For Beer.
Claims use since July 1, 1936.

Ser. No. 385,167. JAX ICE & COLD STORAGE COMPANY, Jacksonville, Fla. Filed Nov. 6, 1936.



For Beer.
Claims use since June, 1936.

Ser. No. 385,842. G. HEILEMAN BREWING CO., La Crosse, Wis. Filed Nov. 21, 1936.



For Beer.
Claims use since Nov. 2, 1936.

Ser. No. 386,021. FITZGERALD BROS. BREWING CO., Troy, N. Y. Filed Nov. 27, 1936.



For Ale.
Claims use since Nov. 16, 1936.

Ser. No. 386,595. THE PATENT CEREALS COMPANY, Geneva, N. Y. Filed Dec. 10, 1936.



For Wheat Product Used in the Manufacture of Malt Beverages and Liquors.
Claims use since Jan. 1, 1890.

Ser. No. 387,274. GALLATIN BREWING COMPANY, Bozeman, Mont. Filed Dec. 30, 1936.



For Beer.
Claims use since Sept. 1, 1933.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 385,647. S. E. RYKOFF & COMPANY, Los Angeles, Calif. Filed Nov. 17, 1936.

RAVENSWOOD

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since June 27, 1934.

Ser. No. 386,043. PARK, BENZIGER & CO., INC., New York, N. Y. Filed Nov. 27, 1936.



The words "Jamaica Rum" are disclaimed apart from the mark.
For Rum.
Claims use since Sept. 3, 1935.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 382,981. MARTHA WILKS, doing business as Southport Manufacturing Co., New York, N. Y. Filed Aug. 27, 1936.

SHEQUA

For Processed Piece Goods—Namely, Silk, Cotton, and Rayon, Treated with a Combination of Oils, Rosin, and Lacquer Through Impregnating and Waterproofing the Same.
Claims use since Nov. 1, 1935.

Ser. No. 384,800. LUBBERS & BELL MANUFACTURING COMPANY, Clinton, Iowa. Filed Oct. 26, 1936.

CELLUFYBER

For Fly Swatters.
Claims use since Oct. 16, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 2, 1937

343,634. SURGICAL, CHIRURGICAL, AND MEDICAL INSTRUMENTS, ETC. KNY-SCHEERER CORPORATION, New York, N. Y.

Filed June 5, 1931. Serial No. 315,461. PUBLISHED AUGUST 4, 1931. Class 44.

343,635. WHISKEY, GIN, RUM, RYE, BRANDY, AND CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.

Filed November 22, 1933. Serial No. 343,968. PUBLISHED FEBRUARY 18, 1936. Class 49.

343,636. PETROLEUM PRODUCTS CONSISTING IN GASOLINE, LUBRICATING OILS, AND LUBRICATING GREASES. BULK SERVICE STATIONS, INC., Chicago, Ill.

Filed September 8, 1934. Serial No. 355,827. PUBLISHED DECEMBER 8, 1936. Class 15.

343,637. LIQUEURS OR CORDIALS. BENEDIKTINER-ABTEI ETTAL, Ettal, Germany.

Filed April 17, 1935. Serial No. 363,787. PUBLISHED DECEMBER 15, 1936. Class 49.

343,638. OLIVE OILS, OLIVES, DRY COD FISH, SAUSAGES, MARMALADES, CHEESE, AND EGGS. CORTE & CO., Jersey City, N. J.

Filed May 18, 1935. Serial No. 365,062. PUBLISHED DECEMBER 22, 1936. Class 46.

343,639. GLASS DRINKING NOVELTIES—NAMELY, BOTTLES, DECANTER SETS, AND LIQUOR SETS, COMPRISING LIQUOR DECANTERS, BOTTLES, DRINKING GLASSES, GLASS JARS, GLASS STEINS, LIQUOR GLASSES, GLASS SPOONS, GLASS SIPPERS, AND GLASS JIGGERS. THE BAER & WILDE COMPANY, Attleboro, Mass., assignor to Swank Products, Inc., Attleboro, Mass, a corporation of Delaware.

Filed June 19, 1935. Serial No. 366,352. PUBLISHED DECEMBER 22, 1936. Class 33.

343,640. LUBRICATING OIL AND GREASE. DITTO, INCORPORATED, Chicago, Ill.

Filed July 12, 1935. Serial No. 367,187. PUBLISHED DECEMBER 8, 1936. Class 15.

343,641. BUILDING CONSTRUCTION MATERIALS—NAMELY, WALLS AND PARTITIONS, HOLLOW TILE, CONCRETE BLOCK, FIRED BRICK, STRUCTURAL STEEL, TIE RODS, AND SLACKED LIME. WALTER R. SIMONS, Los Angeles, Calif.

Filed September 3, 1935. Serial No. 368,958. PUBLISHED DECEMBER 22, 1936. Class 12.

343,642. WASH NECKTIES. M. BERZER CO., INC., New York, N. Y.

Filed September 21, 1935. Serial No. 369,561. PUBLISHED DECEMBER 22, 1936. Class 39.

343,643. FISH PRODUCTS—NAMELY, PICKLED FISH, SALTED FISH, COOKED FISH, SMOKED FISH, CURED FISH, AND FISH ROE, PROPERLY CUT AND PACKED IN EITHER JARS OR PACKAGES. SCHERLIS & KATZ FISH CO., INC., Baltimore, Md.

Filed September 27, 1935. Serial No. 369,782. PUBLISHED DECEMBER 15, 1936. Class 46.

343,644. WRAPPING PAPER AND KRAFT PAPER. SOUTHERN KRAFT CORPORATION, New York, N. Y.

Filed October 28, 1935. Serial No. 370,902. PUBLISHED DECEMBER 22, 1936. Class 37.

343,645. ALCOHOLIC BITTERS. ELBY EXTRACT CO., INC., New York, N. Y.

Filed October 28, 1935. Serial No. 370,918. PUBLISHED DECEMBER 15, 1936. Class 49.

343,646. INSTRUMENT FOR CONTROLLING HUMIDITY AND TEMPERATURE WHEREIN HUMIDITY AND TEMPERATURE ACTUATE THE INSTRUMENT TO CONTROL HUMIDITY AND HEAT GENERATING OR ABSORBING DEVICES. JULIEN P. FRIEZ & SONS, INC., Baltimore, Md.

Filed November 2, 1935. Serial No. 371,094. PUBLISHED DECEMBER 22, 1936. Class 26.

343,647. TIRE-REPAIR GUM MATERIALS IN SHEET FORM—NAMELY, CAMEL-BACK-TREAD GUM OR RUBBER STOCK FOR USE IN TIRE REPAIRING. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.

Filed November 6, 1935. Serial No. 371,261. PUBLISHED JANUARY 7, 1936. Class 35.

343,648. WHISKEY. LOS ANGELES BREWING CO., Los Angeles, Calif.

Filed December 11, 1935. Serial No. 372,522. PUBLISHED DECEMBER 15, 1936. Class 49.

343,649. TOP PATCHES FOR AUTOMOBILES, FAN BELTS, HOT PATCHES FOR REPAIRING TUBES, REPAIR KITS FOR APPLYING HOT PATCHES TO TUBES, AUTOMOBILE TUBE REPAIR KITS, BLOWOUT BOOTS FOR AUTOMOBILE TIRES, AND RADIATOR HOSE. THE PURE OIL COMPANY, Chicago, Ill.

Filed December 23, 1935. Serial No. 372,992. PUBLISHED DECEMBER 22, 1936. Class 35.

343,650. FRICTION TAPE FOR ELECTRICAL, AUTOMOBILE, BICYCLE, AND HOUSEHOLD USE, AND GASKET AND RIM CEMENT. THE PURE OIL COMPANY, Chicago, Ill.

Filed December 23, 1935. Serial No. 372,993. PUBLISHED DECEMBER 15, 1936. Class 5.

343,651. BATTERIES AND BATTERY CABLES. THE PURE OIL COMPANY, Chicago, Ill.

Filed December 23, 1935. Serial No. 372,994. PUBLISHED DECEMBER 22, 1936. Class 21.

343,652. WATCH CHAINS, WATCH CHAIN FINDINGS, WATCH BRACELETS, AND EARRINGS. H. SEGAL, New York, N. Y.

Filed January 27, 1936. Serial No. 374,163. PUBLISHED DECEMBER 15, 1936. Class 28.

343,653. FABRICS IN THE PIECE MADE OF RAYON. H. R. MALLINSON & COMPANY, INC., New York, N. Y., assignor to Mallinson Fabrics Corporation, a corporation of New York.

Filed February 11, 1936. Serial No. 374,722. PUBLISHED APRIL 7, 1936. Class 42.

343,654. LUBRICATING OIL. SCIENTIFIC OIL CORPORATION, Indianapolis, Ind.

Filed February 15, 1936. Serial No. 374,909. PUBLISHED DECEMBER 22, 1936. Class 15.

343,655. CHOCOLATE FLAVORED SYRUP TO BE MIXED WITH MILK OR MALTED MILK AND THE BEVERAGE MADE THEREFROM. PRESTON G. WOOLF, doing business as The Buddie Co., Indianapolis, Ind.

Filed February 27, 1936. Serial No. 375,309. PUBLISHED DECEMBER 22, 1936. Class 46.

343,656. STOCK FEEDS. BEWLEY MILLS, Fort Worth, Tex.

Filed March 2, 1936. Serial No. 375,420. PUBLISHED DECEMBER 22, 1936. Class 46.

343,657. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING SAME. SCOTCH PRODUCTS, INC., New York, N. Y.

Filed March 6, 1936. Serial No. 375,670. PUBLISHED AUGUST 4, 1936. Class 45.

343,658. METAL SEALS. SACHS-LAWLOR CO., Denver, Colo.

Filed March 17, 1936. Serial No. 376,104. PUBLISHED DECEMBER 22, 1936. Class 25.

343,659. NUT-LIKE EDIBLE PRODUCT CONSISTING OF SOY BEANS ROASTED IN OIL. SOY BEAN PRODUCTS CO., Chicago, Ill.

Filed March 23, 1936. Serial No. 376,305. PUBLISHED MAY 26, 1936. Class 46.

343,660. COMBS FOR COMBING THE HAIR. FOREIGN SPECIALTIES, INC., New York, N. Y.

Filed April 9, 1936. Serial No. 376,990. PUBLISHED DECEMBER 22, 1936. Class 40.

343,661. COATED PAPERS, SUCH AS COATED SULPHITE SHEETS AND COATED RAG PAPER, THE COATINGS BEING SUCH THAT THEY LEND THEMSELVES TO HECTOGRAPH DUPLICATING PURPOSES, ETC., DITTO, INCORPORATED, Chicago, Ill.

Filed April 11, 1936. Serial No. 377,102. PUBLISHED DECEMBER 22, 1936. Class 37.

343,662. COCOA, CHOCOLATE, CHOCOLATE CANDY, CHOCOLATE PUDDING POWDER. CHOCOLAT SUCHARD SOCIETE ANONYME, Neuchatel, Switzerland.

Filed April 17, 1936. Serial No. 377,300. PUBLISHED DECEMBER 15, 1936. Class 46.

343,663. LUBRICATING OIL. PARAGON OIL COMPANY, INC., Brooklyn, N. Y.

Filed April 20, 1936. Serial No. 377,415. PUBLISHED DECEMBER 1, 1936. Class 15.

343,664. APPARATUS FOR THE TREATMENT OF SOLIDS SUSPENDED IN LIQUIDS AND MORE PARTICULARLY FOR SEDIMENTATION APPARATUS SUCH AS THICKENERS AND CLARIFIERS. THE DORR COMPANY, INC., New York, N. Y.

Filed April 21, 1936. Serial No. 377,460. PUBLISHED DECEMBER 22, 1936. Class 23.

343,665. ALL MANNER AND KINDS OF RAZORS, SHEARS, SCISSORS, KNIVES OF BASE METAL, AND HAIR CLIPPERS. BRESDUCK, INC., New York, N. Y.

Filed May 5, 1936. Serial No. 378,033. PUBLISHED DECEMBER 22, 1936. Class 23.

343,666. VEHICULAR ACCESSORIES—NAMELY, VEHICLE SAFETY REFLECTING SIGNAL LENSES AND REAR VIEW MIRRORS. ELMA PRODUCTS COMPANY, Norwalk, Conn.

Filed May 7, 1936. Serial No. 378,134. PUBLISHED DECEMBER 15, 1936. Class 19.

343,667. SPECIALLY TREATED SKIMMED MILK PREPARATION IN PASTE FORM USED IN BREAD MAKING. LACTOL CORPORATION, San Francisco, Calif.

Filed May 8, 1936. Serial No. 378,210. PUBLISHED DECEMBER 15, 1936. Class 46.

343,668. PORTLAND CEMENT. SAN ANTONIO PORTLAND CEMENT COMPANY, San Antonio, Tex.

Filed May 8, 1936. Serial No. 378,234. PUBLISHED DECEMBER 15, 1936. Class 12.

343,669. MEDICINAL PREPARATION FOR EXTERNAL AND INTERNAL TREATMENT OF VARIOUS AILMENTS SUCH AS COLDS, COUGHS, HOARSENESS, AND THROAT IRRITATION, RHEUMATISM, MUSCULAR SORENESS, ATHLETE'S FOOT, BOILS, AND CHAPPED HANDS AND LIPS. RADIEX LABORATORIES, Baltimore, Md.

Filed May 14, 1936. Serial No. 378,452. PUBLISHED NOVEMBER 24, 1936. Class 6.

343,670. WOVEN FABRICS IN THE PIECE OF ALL TYPES AND STYLES, MADE OF SILK, WOOL, OR ARTIFICIAL SILK, EXCLUSIVE OF VELVETS, AND LINING FABRICS, AND WOVEN SHEETS, PILLOW CASES, BED SPREADS, QUILTS, AND COVERLETS. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.

Filed May 20, 1936. Serial No. 378,673. PUBLISHED OCTOBER 27, 1936. Class 42.

343,671. PARKING METER. HOWARD MASTERSON, Burbank, Calif.

Filed June 5, 1936. Serial No. 379,278. PUBLISHED DECEMBER 22, 1936. Class 26.

343,672. CRAVATS. SAMUEL GLASER, doing business as True Value Neckwear Company, New York, N. Y.

Filed June 13, 1936. Serial No. 379,699. PUBLISHED DECEMBER 22, 1936. Class 39.

343,673. STERLING SILVER FLATWARE, HOLLOWWARE; GOLD AND SILVER PLATED WARE—NAMELY, SALT AND PEPPER SETS, CANDLE STICKS, JEWEL CABINETS, PHOTO FRAMES, PAPER WEIGHTS, CIGARETTE AND CIGAR BOXES, HOLDERS, AND ASH TRAYS, TROPHIES, TABLE ORNAMENTS, SPORT STATUETTE FIGURES AND PLAQUES. THE WEIDLICH BROS. M'F'G. CO., Bridgeport, Conn.

Filed June 15, 1936. Serial No. 379,776. PUBLISHED DECEMBER 8, 1936. Class 28.

343,674. RUM. WEST INDIES RUM DISTILLERIES INC., Playa Ponce, P. R.

Filed June 16, 1936. Serial No. 379,925. PUBLISHED DECEMBER 15, 1936. Class 49.

343,675. LADIES' AND CHILDREN'S GARMENTS—NAMELY, SLIPS, GOWNS, DANCETTES, CHEMISES, CAMISOLES, AND PANTIES. LAROS TEXTILES COMPANY, Bethlehem, Pa.

Filed July 3, 1936. Serial No. 380,578. PUBLISHED DECEMBER 22, 1936. Class 39.

343,676. COMPOSITION WALL BOARDS, GYPSUM WALL BOARDS, AND GYPSUM LATH, AND FIBRE WALL BOARDS AND LATH AND THE LIKE. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y.

Filed July 10, 1936. Serial No. 380,860. PUBLISHED DECEMBER 15, 1936. Class 12.

343,677. HAMBURGER SANDWICHES. THE KRYSTAL COMPANY, Chattanooga, Tenn.

Filed July 13, 1936. Serial No. 380,952. PUBLISHED DECEMBER 22, 1936. Class 46.

343,678. WORCESTERSHIRE SAUCE. NORMAN W. STEWART, doing business as Windsor Products Company, New York, N. Y.

Filed August 6, 1936. Serial No. 381,883. PUBLISHED DECEMBER 15, 1936. Class 46.

343,679. FLAVORS IN POWDERED FORM FOR MAKING PUNCHES AND SOFT DRINKS. MINUTE FOODS LTD., Los Angeles, Calif.

Filed August 7, 1936. Serial No. 381,915. PUBLISHED DECEMBER 22, 1936. Class 45.

343,680. COAL. ISLAND CREEK COAL SALES COMPANY, Cincinnati, Ohio.

Filed August 22, 1936. Serial No. 382,477. PUBLISHED DECEMBER 22, 1936. Class 1.

343,681. LUMBER TREATED WITH A CHEMICAL PREPARATION AS PROTECTION AGAINST FIRE, MARINE BORER, TERMITE, AND VARIOUS OTHER INSECTS AND FUNGI. AARON GORDON, Berkeley, Calif.

Filed August 24, 1936. Serial No. 382,512. PUBLISHED DECEMBER 15, 1936. Class 12.

343,682. BOTTLED WATER, BOTH STILL AND CARBONATED. MINERAL WATERS, INC., Portland and Harrison, Maine.

Filed August 24, 1936. Serial No. 382,516. PUBLISHED DECEMBER 22, 1936. Class 45.

343,683. COMPOSITION CONSTRUCTION AND BUILDING MATERIAL WHICH IS EITHER MOLDED OR PRESSED INTO BLOCKS OR SLABS FOR MAKING WALLS, FLOORS, OR CEILINGS AND OTHER PARTS OF BUILDINGS. THE ROMAN COMPANY, INC., Garden City, N. Y.
Filed August 24, 1936. Serial No. 382,525. PUBLISHED DECEMBER 8, 1936. Class 12.

343,684. VERMOUTH. ETABLISSEMENTS PERNOD, MAISONS PERNOD FILS, HEMARD & PERNOD PERE & FILS REUNIES (SOCIETE ANONYME), Paris, France.
Filed August 27, 1936. Serial No. 382,624. PUBLISHED DECEMBER 22, 1936. Class 47.

343,685. CANNED HAWAIIAN PINEAPPLE. THE HASEROT COMPANY, Cleveland, Ohio.
Filed August 27, 1936. Serial No. 382,647. PUBLISHED DECEMBER 15, 1936. Class 46.

343,686. ORNAMENTAL MANTEL PIECES COMPLETE IN THEMSELVES AND MADE OF COMPOSITION MATERIALS OTHER THAN PRECIOUS-METALWARE OR GLASS, STATUETTES, AND STATUARY FIGURES. GEORGE B. COLLIS, doing business as Armor Bronze Company, Taunton, Mass.
Filed September 1, 1936. Serial No. 382,788. PUBLISHED DECEMBER 22, 1936. Class 50.

343,687. FEEDS FOR POULTRY AND LIVESTOCK. NEW ENGLAND RETAIL GRAIN DEALERS CO-OPERATIVE ASSOCIATION, Springfield, Mass.
Filed September 4, 1936. Serial No. 382,926. PUBLISHED DECEMBER 22, 1936. Class 46.

343,688. DIAMONDS AND PRECIOUS STONES. TRABERT & HOEFFER INC., New York, N. Y.
Filed September 4, 1936. Serial No. 382,934. PUBLISHED DECEMBER 15, 1936. Class 28.

343,689. NECKWEAR—NAMELY, CRAVATS. EISENSTAEDT BROS. CO., INC., Chicago, Ill.
Filed September 5, 1936. Serial No. 382,975. PUBLISHED DECEMBER 22, 1936. Class 39.

343,690. MILKING MACHINES AND PARTS THEREOF. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed September 8, 1936. Serial No. 383,018. PUBLISHED DECEMBER 22, 1936. Class 23.

343,691. MILKING MACHINES AND PARTS THEREOF. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed September 8, 1936. Serial No. 383,021. PUBLISHED DECEMBER 22, 1936. Class 23.

343,692. MILKING MACHINES AND PARTS THEREOF. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed September 8, 1936. Serial No. 383,022. PUBLISHED DECEMBER 22, 1936. Class 23.

343,693. CANNED VEGETABLE CONSOMMÉ. FRANCIS H. LEGGETT & COMPANY, New York, N. Y.
Filed September 9, 1936. Serial No. 383,065. PUBLISHED DECEMBER 22, 1936. Class 46.

343,694. PEANUTS AND POPCORN IN ITS NATURAL STATE. CARBON PEANUT COMPANY, INC., also doing business as Atkins Popcorn Company, Dallas and Carbon, Tex.
Filed September 10, 1936. Serial No. 383,085. PUBLISHED DECEMBER 15, 1936. Class 46.

343,695. AUTOMOBILE SAFETY REFLECTING AND SIGNAL LENSES AND BUTTONS. GLOBE SPECIALTY COMPANY, Chicago, Ill.
Filed September 11, 1936. Serial No. 383,128. PUBLISHED DECEMBER 22, 1936. Class 19.

343,696. AIR CONDITIONING UNITS. APEX MANUFACTURING COMPANY, Kansas City, Mo.
Filed September 14, 1936. Serial No. 383,202. PUBLISHED DECEMBER 22, 1936. Class 34.

343,697. FRESH CRANBERRIES AND CRANBERRY SAUCE. C. & E. CANNERS, Hammonton, N. J.
Filed September 15, 1936. Serial No. 383,253. PUBLISHED DECEMBER 22, 1936. Class 46.

343,698. THERMAL INSULATING CEMENT. THE PHILIP CAREY MANUFACTURING COMPANY, Lockland, Ohio.
Filed September 15, 1936. Serial No. 383,256. PUBLISHED DECEMBER 15, 1936. Class 12.

343,699. LUBRICATING OILS AND GREASES. VALVOLINE OIL COMPANY, Cincinnati, Ohio, and New York, N. Y.
Filed September 15, 1936. Serial No. 383,277. PUBLISHED DECEMBER 15, 1936. Class 15.

343,700. STRINGS FOR BANJOS, GUITARS, MANDOLINS, VIOLINS, AND SIMILAR MUSICAL INSTRUMENTS. NATIONAL MUSICAL STRING CO., New Brunswick, N. J.
Filed September 16, 1936. Serial No. 383,321. PUBLISHED DECEMBER 22, 1936. Class 36.

343,701. PINEAPPLE JUICE AS A BEVERAGE OR A BEVERAGE INGREDIENT. JOSEPH TRINER CORPORATION, Chicago, Ill.
Filed September 16, 1936. Serial No. 383,333. PUBLISHED DECEMBER 22, 1936. Class 45.

343,702. CRAYONS AND PASTE USED FOR MARKING THE SKIN PREPARATORY TO TAKING X-RAYS, SUCH MARKING BEING IMMUNE TO THE EFFECT OF THE X-RAY. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed September 18, 1936. Serial No. 383,381. PUBLISHED DECEMBER 22, 1936. Class 44.

343,703. PAINTS IN READY MIXED AND PASTE FORM, VARNISHES, PAINT ENAMELS. THE PAYSON VARNISH CO., New York, N. Y.
Filed September 18, 1936. Serial No. 383,404. PUBLISHED DECEMBER 22, 1936. Class 16.

343,704. CHOCOLATE. WILBUR-SUCHARD CHOCOLATE COMPANY, Lititz, Pa.
Filed September 18, 1936. Serial No. 383,413. PUBLISHED DECEMBER 22, 1936. Class 46.

343,705. CANNED SOUP. ARTHUR J. SLINGERLAND, doing business as Chef's Choice Products Company, Chicago, Ill.
Filed September 17, 1936. Serial No. 383,419. PUBLISHED DECEMBER 22, 1936. Class 46.

343,706. FRESH PEARS. ROSENBERG BROTHERS, Medford, Oreg.
Filed September 19, 1936. Serial No. 383,445. PUBLISHED DECEMBER 15, 1936. Class 46.

343,707. BAKERY PRODUCTS—NAMELY, CAKES. HELMS BAKERIES, Los Angeles, Calif.
Filed September 22, 1936. Serial No. 383,505. PUBLISHED DECEMBER 22, 1936. Class 46.

343,708. WATCHES. THE WATERBURY CLOCK COMPANY, Waterbury, Conn.
Filed September 22, 1936. Serial No. 383,513. PUBLISHED NOVEMBER 24, 1936. Class 27.

343,709. RICE. KAPLAN RICE MILL, INC., Kaplan, La.
Filed September 23, 1936. Serial No. 383,532. PUBLISHED DECEMBER 15, 1936. Class 46.

343,710. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed September 24, 1936. Serial No. 383,588. PUBLISHED DECEMBER 15, 1936. Class 46.

343,711. BOX-LIKE METALLIC (OR OTHER RIGID MATERIAL) CONTAINERS FOR BREAD, CAKE, AND THE LIKE. ZIGNE M. ANGELIN, Santa Monica, Calif.
Filed September 25, 1936. Serial No. 383,615. PUBLISHED DECEMBER 22, 1936. Class 2.

343,712. PREPARATION FOR THE TREAMENT OF THE THROAT. JOHN HENRY MILLER, New York, N. Y.
Filed September 25, 1936. Serial No. 383,633. PUBLISHED DECEMBER 15, 1936. Class 6.

343,713. REFINED PETROLEUM OIL FOR HEATING, LIGHTING, AND POWER PURPOSES. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed September 25, 1936. Serial No. 383,654. PUBLISHED DECEMBER 8, 1936. Class 15.

343,714. CUT OR FINISHED GRANITE. ALLEN GRANITE COMPANY, Elberton, Ga.
Filed September 28, 1936. Serial No. 383,709. PUBLISHED DECEMBER 22, 1936. Class 12.

343,715. DOG FOOD. ALLIED MILLS, INC., Chicago, Ill.
Filed September 28, 1936. Serial No. 383,710. PUBLISHED DECEMBER 15, 1936. Class 46.

343,716. CANNED FRUITS, CANNED VEGETABLES, APPLE SAUCE. THE GREENCASTLE PACKING COMPANY, Greencastle, Pa.
Filed September 28, 1936. Serial No. 383,734. PUBLISHED DECEMBER 15, 1936. Class 46.

343,717. CANDLES, VOTIVE, SANCTUARY, AND TABERNACLE LIGHTS MADE OF OILS, FATS, AND/OR WAXES SIMILAR TO CANDLES. A. GROSS CANDLE COMPANY, INC., Baltimore, Md.
Filed September 28, 1936. Serial No. 383,735. PUBLISHED DECEMBER 8, 1936. Class 15.

343,718. CANNED FRUITS. MOR-PAK PRESERVING CORPORATION, Stockton, Calif.
Filed September 28, 1936. Serial No. 383,745. PUBLISHED DECEMBER 22, 1936. Class 46.

343,719. BARBERS' SUPPLIES—NAMELY, RAZORS, RAZOR BLADES, AND SCISSORS. RICHARD C. WALSH, New York, N. Y.
Filed September 30, 1936. Serial No. 383,832. PUBLISHED DECEMBER 22, 1936. Class 23.

343,720. LUMBER AND WOOD PRODUCTS, AS FOLLOWS: FLOORING, PANELLING, PARQUETRY, DOORS, CASINGS, SASH, FRAMES, TRIM, BOARDS, BASEBOARDS, MOULDINGS, WALLBOARD, FIBREBOARD, COMPOSITION BOARD, PLASTER BOARD, PLYWOOD, AND VENEER. M AND M WOOD WORKING COMPANY, Portland, Oreg.
Filed October 1, 1936. Serial No. 383,843. PUBLISHED DECEMBER 8, 1936. Class 12.

343,721. PLYWOOD. M AND M WOOD WORKING COMPANY, Portland, Oreg.
Filed October 1, 1936. Serial No. 383,844. PUBLISHED DECEMBER 8, 1936. Class 12.

343,722. PLYWOOD. M AND M WOOD WORKING COMPANY, Portland, Oreg.
Filed October 1, 1936. Serial No. 383,845. PUBLISHED DECEMBER 8, 1936. Class 12.

343,723. DEVICE FOR MEASURING FOODS, THE DEVICE ADAPTED TO BE ATTACHED TO THE FOOD CONTAINER. PETER G. SCHREUDERS, Tacoma, Wash.
Filed October 1, 1936. Serial No. 383,859. PUBLISHED DECEMBER 22, 1936. Class 26.

343,724. CANDY. COOK SPECIALTY COMPANY, Cleveland, Ohio.
Filed October 2, 1936. Serial No. 383,874. PUBLISHED DECEMBER 22, 1936. Class 46.

343,725. OIL BURNING LANTERNS AND THE BURNERS AND METAL PARTS THEREOF. R. E. DIETZ COMPANY, New York, N. Y.
Filed October 2, 1936. Serial No. 383,876. PUBLISHED DECEMBER 22, 1936. Class 34.

343,726. OIL FILTERS USED AS ACCESSORIES OF INTERNAL COMBUSTION ENGINES. DELUXE PRODUCTS CORPORATION, La Porte, Ind.
Filed October 3, 1936. Serial No. 383,915. PUBLISHED DECEMBER 22, 1936. Class 23.

343,727. FLAT-WARE, HOLLOW-WARE, AND CUTLERY, PLATED ENTIRELY OR IN PART WITH SILVER. INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed October 3, 1936. Serial No. 383,928. PUBLISHED DECEMBER 8, 1936. Class 28.

343,728. OPHTHALMIC LENSES. VIRGINIA LENS CO., INC., Petersburg, Va.
Filed October 3, 1936. Serial No. 383,966. PUBLISHED DECEMBER 22, 1936. Class 26.

343,729. WINES. CALIFORNIA VINEYARDS, INC., Los Angeles, Calif.
Filed October 5, 1936. Serial No. 383,980. PUBLISHED DECEMBER 22, 1936. Class 47.

343,730. WINE. EUROPEAN WINE EXPORTERS & GROWERS AGENCIES, INC., New York, N. Y.
Filed October 5, 1936. Serial No. 383,993. PUBLISHED DECEMBER 22, 1936. Class 47.

343,731. MACHINERY PACKING CONSISTING IN THE GREATER PART OF METAL BUT WITH A SMALL PORTION OF ORGANIC MATERIAL, POWER TRANSMISSION BELTING, AND BRAKE LINING. HAROLD CASE, doing business as The Marlo Company, New York, N. Y.
Filed October 6, 1936. Serial No. 384,028. PUBLISHED DECEMBER 22, 1936. Class 35.

343,732. BREAD. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio.
Filed October 7, 1936. Serial No. 384,088. PUBLISHED DECEMBER 22, 1936. Class 46.

343,733. LUBRICATING OILS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed October 7, 1936. Serial No. 384,102. PUBLISHED DECEMBER 8, 1936. Class 15.

343,734. LUBRICATING OILS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed October 7, 1936. Serial No. 384,103. PUBLISHED DECEMBER 8, 1936. Class 15.

343,735. GERMAN WINES. B., M. & J. STRAUSS LTD., London, England.
Filed October 8, 1936. Serial No. 384,143. PUBLISHED DECEMBER 22, 1936. Class 47.

343,736. CONVEYING FANS FOR CONVEYING SHAVINGS, SAW DUST, EMERY DUST, COTTON, WOOL, AND OTHER MATERIALS IN A CURRENT OF AIR. B. F. STURTEVANT COMPANY, Hyde Park, Boston, Mass.
Filed October 8, 1936. Serial No. 384,144. PUBLISHED DECEMBER 22, 1936. Class 23.

343,737. INTER-COMMUNICATING SOUND AMPLIFYING AND TRANSMITTING SYSTEMS COMPRISING SPEAKERS, AMPLIFIERS, MICROPHONES, INTER-CONNECTING CIRCUITS, AND ENERGIZING DEVICES WHEREBY CONVERSATION AT EITHER POINT MAY BE HEARD AT THE OTHER POINT OF COMMUNICATION. WEBSTER ELECTRIC COMPANY, Racine, Wis.
Filed October 8, 1936. Serial No. 384,146. PUBLISHED DECEMBER 22, 1936. Class 21.

343,738. POTATOES AND ONIONS. HELEN C. BUTTNER, doing business as The Kwality Kids, Twin Falls, Idaho.
Filed October 10, 1936. Serial No. 384,189. PUBLISHED DECEMBER 15, 1936. Class 46.

343,739. WOMEN'S UNDERWEAR. AMERICAN MANUFACTURING CORPORATION, INC., New Orleans, La.
Filed October 12, 1936. Serial No. 384,230. PUBLISHED DECEMBER 22, 1936. Class 39.

343,740. ICE CREAM. URGEL F. ASSELIN, doing business as Asselin Creamery Co., Norway, Mich.
Filed October 12, 1936. Serial No. 384,233. PUBLISHED DECEMBER 22, 1936. Class 46.

343,741. WINE. BISCEGLIA BROS., San Jose, Calif.
Filed October 12, 1936. Serial No. 384,235. PUBLISHED DECEMBER 22, 1936. Class 47.

343,742. WINE. BISCEGLIA BROS., San Jose, Calif.
Filed October 12, 1936. Serial No. 384,237. PUBLISHED DECEMBER 22, 1936. Class 47.

343,743. COFFEE. BUSTELO COFFEE ROASTING CO., INC., New York, N. Y.
Filed October 12, 1936. Serial No. 384,243. PUBLISHED DECEMBER 22, 1936. Class 46.

343,744. HORSE AND COW FEED. JOHN MORRELL & Co., Ottumwa, Iowa.
Filed October 13, 1936. Serial No. 384,297. PUBLISHED DECEMBER 22, 1936. Class 46.

343,745. COFFEE. AMERICAN STORES COMPANY, Philadelphia, Pa.
Filed October 15, 1936. Serial No. 384,364. PUBLISHED DECEMBER 15, 1936. Class 46.

343,746. BISCUITS. BURRY BISCUIT CORPORATION, Chicago, Ill., and Linden, N. J.
Filed October 17, 1936. Serial No. 384,447. PUBLISHED DECEMBER 22, 1936. Class 46.

343,747. WARRANTED PURE LINEN IN THE PIECE. CARLETON SCHALLER & Co., INC., New York, N. Y.
Filed October 17, 1936. Serial No. 384,480. PUBLISHED DECEMBER 22, 1936. Class 42.

343,748. BRANDY. GIMBEL BROTHERS, INC., New York, N. Y.
Filed October 20, 1936. Serial No. 384,586. PUBLISHED DECEMBER 15, 1936. Class 49.

343,749. WOMEN'S HOSIERY. GIMBEL BROTHERS, INC., New York, N. Y.
Filed October 20, 1936. Serial No. 384,587. PUBLISHED DECEMBER 15, 1936. Class 39.

343,750. RUM. SUCS. DE JOSÉ FERNÁNDEZ, S. EN C., San Juan, P. R.
Filed October 20, 1936. Serial No. 384,601. PUBLISHED DECEMBER 15, 1936. Class 49.

343,751. SHEETS AND PILLOWCASES. WOLOVNICK & NUSBLATT, New York, N. Y.
Filed October 20, 1936. Serial No. 384,607. PUBLISHED DECEMBER 22, 1936. Class 42.

343,752. COTTON PIECE GOODS. RICE-STIX DRY GOODS CO., St. Louis, Mo.
Filed October 21, 1936. Serial No. 384,631. PUBLISHED DECEMBER 22, 1936. Class 42.

343,753. HOSIERY. WISE SHOE COMPANY, INC., New York, N. Y.
Filed October 21, 1936. Serial No. 384,639. PUBLISHED DECEMBER 22, 1936. Class 39.

343,754. SAUCE FOR BARBECUED MEATS. HOWARD SNYDER, Albion, Mich.
Filed October 22, 1936. Serial No. 384,677. PUBLISHED DECEMBER 22, 1936. Class 46.

343,755. FERTILIZER AND FERTILIZER MATERIALS. KOPPEL INDUSTRIAL CAR AND EQUIPMENT CO., Koppel, Pa.
Filed October 23, 1936. Serial No. 384,711. PUBLISHED DECEMBER 22, 1936. Class 10.

343,756. FOOD PRODUCTS—NAMELY, CANNED SPANISH STYLE HOT SAUCE. NATIONAL PACKING COMPANY, Isleton, Calif.
Filed October 24, 1936. Serial No. 384,758. PUBLISHED DECEMBER 22, 1936. Class 46.

343,757. BEER. THE STANTON BREWERY, INC., Troy, N. Y.
Filed October 24, 1936. Serial No. 384,766. PUBLISHED DECEMBER 22, 1936. Class 48.

343,758. MEN'S COATS, TROUSERS, VESTS, AND OVERCOATS. SOX MILLER, INC., Philadelphia, Pa.
Filed October 26, 1936. Serial No. 384,810. PUBLISHED DECEMBER 22, 1936. Class 39.

343,759. ALE. FREE STATE BREWERY CORPORATION, Baltimore, Md.
Filed October 27, 1936. Serial No. 384,848. PUBLISHED DECEMBER 22, 1936. Class 48.

343,760. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME. JOHN F. LASSER, Chicago, Ill.
Filed October 27, 1936. Serial No. 384,855. PUBLISHED DECEMBER 22, 1936. Class 45.

343,761. CUT PIECE GOODS, GENERALLY A MIXTURE OF COTTON AND WOOL THREADS OR YARNS WITH AN ELASTIC THREAD OR YARN. PASSAIC WOOLFLEX MANUFACTURING COMPANY, Paterson, N. J.
Filed October 27, 1936. Serial No. 384,862. PUBLISHED DECEMBER 22, 1936. Class 42.

343,762. TEXTILE FABRICS IN THE PIECE OF ALL TYPES AND STYLES, MADE OF COTTON, SILK, RAYON, ARTIFICIAL SILK, ETC. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed October 27, 1936. Serial No. 384,864. PUBLISHED DECEMBER 22, 1936. Class 42.

343,763. PHOTOGRAPHIC, MICROPHOTOGRAPHIC, PROJECTING, AND MICROSCOPE OBJECTIVES. CARL ZEISS, Jena, Germany.
Filed October 28, 1936. Serial No. 384,914. PUBLISHED DECEMBER 22, 1936. Class 26.

343,764. LENSES, EYEGLASSES, READING GLASSES, MAGNIFYING GLASSES, FIELD GLASSES, TELESCOPES, MICROSCOPES, PHOTOGRAPHIC CAMERAS, SPECTACLES, SPECTACLE-GLASSES, SPECTACLE-LENS SYSTEMS, GOGGLES. CARL ZEISS, Jena, Germany.
Filed October 28, 1936. Serial No. 384,915. PUBLISHED DECEMBER 22, 1936. Class 26.

343,765. DOUBLE V-SHAPED BELTS. THE GATES RUBBER COMPANY, Denver, Colo.
Filed October 29, 1936. Serial No. 384,945. PUBLISHED DECEMBER 22, 1936. Class 35.

343,766. ELECTRICALLY OPERATED DUPLICATING MACHINES. DITTO, INCORPORATED, Chicago, Ill.
Filed October 30, 1936. Serial No. 384,959. PUBLISHED DECEMBER 22, 1936. Class 21.

343,767. WOMEN'S, MISSES', AND CHILDREN'S COATS, SUITS, AND DRESSES. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed October 30, 1936. Serial No. 384,975. PUBLISHED DECEMBER 22, 1936. Class 39.

343,768. WHISKEY. SILVER SWAN LIQUOR CORPORATION, San Francisco, Calif.
Filed October 30, 1936. Serial No. 384,978. PUBLISHED DECEMBER 15, 1936. Class 49.

343,769. CHILDREN'S DRESSES, SUITS, PLAYSUITS, ROMPERS, PANTS, AND BLOUSES. ROSENAU BROS. INC., Philadelphia, Pa.
Filed October 31, 1936. Serial No. 385,008. PUBLISHED DECEMBER 22, 1936. Class 39.

343,770. DRY GIN. OLDETYME DISTILLERS, INC., New York, N. Y.
Filed November 2, 1936. Serial No. 385,057. PUBLISHED DECEMBER 15, 1936. Class 49.

343,771. WHISKY. SEAGER EVANS & CO. LIMITED, London, England.
Filed November 3, 1936. Serial No. 385,111. PUBLISHED DECEMBER 15, 1936. Class 49.

343,772. DISTILLED GIN. SIBONEY DISTILLING CORPORATION, Philadelphia, Pa.
Filed November 3, 1936. Serial No. 385,114. PUBLISHED DECEMBER 15, 1936. Class 49.

343,773. MEN'S, WOMEN'S, AND/OR CHILDREN'S CLOTHING—NAMELY, TOPCOATS AND OVERCOATS. S. WEITZ & COMPANY, INC., Cleveland, Ohio.
Filed November 4, 1936. Serial No. 385,163. PUBLISHED DECEMBER 22, 1936. Class 39.

343,774. CARD GAMES. JOHN WILLIAM WOLF, South Croydon, England.
Filed November 5, 1936. Serial No. 385,206. PUBLISHED DECEMBER 22, 1936. Class 22.

343,775. RUM. PHILIP BLUM & COMPANY, INC., Chicago, Ill.
Filed November 6, 1936. Serial No. 385,209. PUBLISHED DECEMBER 15, 1936. Class 49.

343,776. GAME PLAYED WITH LARGE DESCRIPTIVE CARDS. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed November 6, 1936. Serial No. 385,232. PUBLISHED DECEMBER 22, 1936. Class 22.

343,777. GAME PLAYED WITH LARGE DESCRIPTIVE CARDS. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed November 6, 1936. Serial No. 385,233. PUBLISHED DECEMBER 22, 1936. Class 22.

343,778. GAME PLAYED WITH DESCRIPTIVE CARDS. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed November 6, 1936. Serial No. 385,234. PUBLISHED DECEMBER 22, 1936. Class 22.

343,779. FISH HOOKS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed November 10, 1936. Serial No. 385,349. PUBLISHED DECEMBER 22, 1936. Class 22.

343,780. TOY BANKS. EDWARD K. LINCOLN, New York, N. Y.
Filed November 12, 1936. Serial No. 385,442. PUBLISHED DECEMBER 22, 1936. Class 22.

343,781. TOY BANKS. EDWARD K. LINCOLN, New York, N. Y.
Filed November 12, 1936. Serial No. 385,443. PUBLISHED DECEMBER 22, 1936. Class 22.

343,782. BOARD GAMES PLAYED WITH CARDS AND DICE. SELCHOW & RIGHTER COMPANY, New York, N. Y.
Filed November 14, 1936. Serial No. 385,539. PUBLISHED DECEMBER 22, 1936. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

343,783. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) McMACKIN-BLAIR COMPANY, Ridgway, Pa. Filed Mar. 10, 1936. Serial No. 375,808.

BLO-KLEEN

A Keen Cleanable Product

For Tobacco Smoking Pipe.
Claims use since Jan. 17, 1936.

343,784. (CLASS 48. MALT BEVERAGES AND LIQUORS.) THE WATERBURY BREWING CO., INC., Waterbury, Conn. Filed Mar. 18, 1936. Serial No. 376,151.

Leary's

For Malt Beverages—Viz., Beer.
Claims use since Jan. 1, 1936.

343,785. (CLASS 15. OILS AND GREASES.) PULLMAN CHEMICAL COMPANY, Camden, N. J. Filed Sept. 25, 1936. Serial No. 383,639.

Pullman

For Cup Grease, Pressure Gun Grease, Transmission Grease, Universal-Joint and Wheel-Bearing Grease, Water Pump Grease, Extreme Pressure Lubricant, Graphite Lubricant, Graphite Penetrating Oil, Fine Parts Lubricating Oil.
Claims use since Nov. 15, 1932.

343,786. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. ARON & COMPANY, INC., New Orleans, La. Filed Nov. 11, 1936. Serial No. 385,386.

CRESCENT CITY

Applicant is the owner of Trade-Mark No. 113,001. For Rice.
Claims use since March, 1916.

343,787. (CLASS 43. THREAD AND YARN.) CRAIGLEITH WOOLLEN COMPANY, New York, N. Y. Filed Nov. 14, 1936. Serial No. 385,955.

CRAIGLEITH WOOLLEN

For Thread and Yarn.
Claims use since Sept. 1, 1935.

343,788. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) STONE & MURPHY, INC., Middletown, Conn. Filed Dec. 16, 1936. Serial No. 386,822.

NO-FREEZE

For Chemical Feeding Fittings for Roof Drains.
Claims use since July 11, 1935.

TRADE-MARK REGISTRATIONS RENEWED

114,884. CERTAIN NAMED MUSICAL INSTRUMENTS. Registered January 9, 1917. HEINRICH TH. HEBERLEIN JR., Markneukirchen, Germany. Renewed January 9, 1937, to Carl Fischer Musical Instrument Co. Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

114,913. CLOCKS AND WATCHES. Registered January 9, 1917. WESTERN CLOCK CO., Peru, Ill. Renewed January 9, 1937, to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

114,973. AN ARTIFICIAL STONE WHICH POSSESSES THE PROPERTY OF ABSORBING SOUND. Registered January 16, 1917. H. W. JOHNS-MANVILLE CO., New York, N. Y. Renewed January 16, 1937, to R. Guastavino Company, Boston, Mass., a corporation of Massachusetts, assignee.

115,058. VELVETS, VELVETEENS, SATEENS, CORDS, MOLESKINS, AND FUSTIAN CLOTH. Registered January 23, 1917. BALSTONE COOKE & CO. LD. Renewed January 23, 1937, to Balstone Cooke & Rayonese Limited, Manchester, England, a corporation of Great Britain, by change of name.

115,237. CANNED FRUITS AND VEGETABLES. Registered January 30, 1917. JOHN SEXTON & CO., Chicago, Ill., a corporation of Illinois. Renewed January 30, 1937.

115,332. FERTILIZERS. Registered February 6, 1917. HAMPTON GUANO COMPANY, Norfolk, Va. Renewed February 6, 1937, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

115,430. COTTON PIECE GOODS. Registered February 13, 1917. AMOSKEAG MANUFACTURING COMPANY. Renewed February 13, 1937, to Amoskeag Industries, Inc., Manchester, N. H., a corporation of New Hampshire, assignee by mesne assignments.

115,444. TABLETS FOR USE BY DENTISTS IN THE TREATMENT OF TEETH. Registered February 13, 1917. JOSEPH A. GARDNER, Memphis, Tenn. Renewed February 13, 1937.

115,486. PAPER BAGS. Registered February 20, 1917. CAPITAL PAPER COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed February 20, 1937.

115,584. PLUSH LAP-ROBES. Registered February 27, 1917. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y., a corporation of New York. Renewed February 27, 1937.

115,955. BUTTER. Registered March 27, 1917. F. H. GEORGE & COMPANY, Fort Wayne, Ind., a corporation of Indiana. Renewed March 27, 1937.

116,755. ELECTRIC SUCTION-CLEANERS. Registered May 22, 1917. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 22, 1937.

116,908. DYEWOOD EXTRACTS. Registered June 5, 1917. MACANDREWS & FORBES COMPANY, Camden, N. J. Renewed June 5, 1937, to American Dyewood Company, New York, N. Y., a corporation of Pennsylvania, assignee.

116,921. HOSIERY. Registered June 5, 1917. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed June 5, 1937.

116,938. HATS FOR MEN. Registered June 5, 1917. F. BERG & CO., Orange, N. J. Renewed June 5, 1937, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware, assignee by mesne assignments.

116,945. SHOE STRINGS AND LACINGS, TAPES, AND GALLOONS. Registered June 5, 1917. CORDO-HYDE COMPANY. Renewed June 5, 1937, to Cordo-Hyde Company, Brockton, Mass., a corporation of Massachusetts, assignee.

116,960. MONTHLY PERIODICALS. Registered June 5, 1917. MCKESSON & ROBBINS, INCORPORATED. Renewed June 5, 1937, to Topics Publishing Co. Inc., New York, N. Y., a corporation of New York, assignee.

117,045. CERTAIN KNITTED, NETTED, AND TEXTILE FABRICS. Registered June 12, 1917. LESHER, WHITMAN & CO., INC., New York, N. Y. Renewed June 12, 1937, to Goodall Worsted Co., Sanford, Maine, a corporation of Maine, successor.

117,060. UNDERWEAR, AS FOLLOWS: SHIRTS, DRAWERS, AND UNION-SUITS. Registered June 12, 1917. ROBERT REIS & CO., New York, N. Y., a corporation of New York. Renewed June 12, 1937.

117,118. CERTAIN NAMED DENTAL, MEDICAL, AND SURGICAL APPLIANCES. Registered June 19, 1917. DAVOL RUBBER COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed June 19, 1937.

117,249. ELECTRICAL INSULATING MATERIAL. Registered June 26, 1917. THE CONTINENTAL FIBRE COMPANY. Renewed June 26, 1937, to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware, assignee.

117,265. ORANGES AND LEMONS. Registered June 26, 1917. RANDOLPH MARKETING COMPANY, INC., Los Angeles, Calif., a corporation of California. Renewed June 26, 1937.

117,294. CERTAIN NAMED KNITTED, NETTED, AND TEXTILE FABRICS. Registered July 3, 1917. L. C. CHASE & COMPANY, Boston, Mass. Renewed July 3, 1937, to Sanford Mills, Sanford, Maine, a corporation of Maine, assignee.

117,340. A DRESS FABRIC WITH COTTON WARP AND FILLING OF CERTAIN MATERIALS, EITHER ALONE OR COMBINED. Registered July 3, 1917. LESHER, WHITMAN & CO., INC., New York, N. Y. Renewed July 3, 1937, to Goodall Worsted Co., Sanford, Maine, a corporation of Maine, successor.

117,353. CERTAIN NAMED CHEMICAL AND PHARMACEUTICAL PREPARATIONS. Registered July 3, 1917. Northam Warren Corporation, New York, N. Y., a corporation of New York. Renewed July 3, 1937.

117,358. UNDERWEAR AS FOLLOWS: SHIRTS, DRAWERS, AND UNION-SUITS IN BOTH KNIT AND TEXTILE FABRICS. Registered July 3, 1917. ROBERT REIS & CO., New York, N. Y., a corporation of New York. Renewed July 3, 1937.

117,373. A TREATMENT FOR COUGHS, BRONCHITIS, PHTHISIS, ASTHMA, LARYNGITIS, PNEUMONIA, AND WHOOPING-COUGH. Registered July 3, 1917. MARTIN H. SMITH CO., New York, N. Y., a corporation of New York. Renewed July 3, 1937.

117,383. SAND-BLAST SAND. Registered July 3, 1917. UNITED STATES SILICA CO., Chicago, Ill. Renewed July 3, 1937, to Ottawa Silica Company, Ottawa, Ill., a corporation of Delaware, assignee.

117,392. FIRE-EXTINGUISHERS, DRILLS, TAPS, AND REAMERS. Registered July 3, 1917. THE WIRTHLIN-MANN COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed July 3, 1937.

117,416. ARTIFICIAL LEATHER, COATED TEXTILE FABRICS, AND A LEATHER SUBSTITUTE. Registered July 10, 1917. L. C. CHASE & COMPANY, Boston, Mass. Renewed July 10, 1937, to Sanford Mills, Sanford, Maine, a corporation of Maine, assignee.

117,422. CLOSURES FOR BOTTLES AND THE LIKE. Registered July 10, 1917. THE CROWN CORK AND SEAL COMPANY OF BALTIMORE CITY. Renewed July 10, 1937, to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York, assignee.

117,436. COATS, VESTS, TROUSERS, HATS, CAPS, OUTER SHIRTS, UNDERSHIRTS, DRAWERS, UNION-SUITS, COLLARS, AND CUFFS. Registered July 10, 1917. GOLDENBERG'S. Renewed July 10, 1937, to The Goldenberg Co., Washington, D. C., a corporation of Maryland, successor.

117,483. CERTAIN FOODS FOR ANIMALS, GAME-BIRDS, AND POULTRY. Registered July 10, 1917. SPRATT'S PATENT (AMERICA) LIMITED, London, England, and Newark, N. J., a corporation of England. Renewed July 10, 1937.

LABELS

REGISTERED MARCH 2, 1937

49,026.—*Title:* SARGENT HEALTH SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 6, 1936.

49,027.—*Title:* SUPREME QUALITY. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published October 7, 1936.

49,028.—*Title:* VEL-VE-TA-ENAMEL-HIGH LUSTRE. For Ready Mixed Enamel Paint. COLONIAL WORKS, Brooklyn, N. Y. Published January 6, 1937.

49,029.—*Title:* VEL-VE-TA-ENAMEL-EGGSHELL FINISH. For Ready Mixed Enamel Paint. COLONIAL WORKS, Brooklyn, N. Y. Published January 6, 1937.

49,030.—*Title:* SPEAR. For Fresh Fruits. FORT OGDEN CITRUS GROWERS ASSN., Fort Ogden, Fla. Published March 1, 1936.

49,031.—*Title:* PREFERRED STOCK. For Coffee. MARTIN L. HALL COMPANY, Boston, Mass. Published January 12, 1937.

49,032.—*Title:* OLD BOSTON. For Coffee. MARTIN L. HALL COMPANY, Boston, Mass. Published December 29, 1936.

49,033.—*Title:* HONEST VALUE TACKS. For Sterilized Carpet Tacks. THE HOLLAND MANUFACTURING COMPANY, Baltimore, Md. Published January 5, 1937.

49,034.—*Title:* JOHNSON'S QUICK DRYING ENAMEL. For Quick Drying Enamel. S. C. JOHNSON & SON, INC., Racine, Wis. Published September 11, 1936.

49,035.—*Title:* PIKESVILLE. For Maryland Straight Rye Whiskey. MARYLAND-PIKESVILLE DISTILLERY, INC., Baltimore, Md. Published March 5, 1935.

49,036.—*Title:* RELAX NITEWEAR. For Nightwear. DAVID MATHIOS, New York, N. Y. Published October 1, 1936.

49,037.—*Title:* GOLDEN POPPY. For Eggs. C. R. McBRIDE, North Hollywood, Calif. Published September 24, 1936.

49,038.—*Title:* RECOLAC POWDERED. For a Food for Infants. MEAD JOHNSON & COMPANY, Evansville, Ohio. Published January 15, 1937.

49,039.—*Title:* LINDY LOU BREAD. For Bread. SANIWAX PAPER CO., Kalamazoo, Mich. Published January 19, 1937.

49,040.—*Title:* JIFFY SHOE CLEANER BAG. For Bags for Cleaning Shoes. E. S. SAUL CO., INC., Seattle, Wash. Published November 13, 1936.

49,041.—*Title:* GRISTEDE'S FAMILY LOAF. For Bread. SCOTLAND BAKERIES OF NEW YORK, INC., Mount Vernon, N. Y. Published October 23, 1936.

49,042.—*Title:* WYTOLA. For a Shortening Which Serves to Whiten Bread. J. R. SHORT MILLING COMPANY, Chicago, Ill. Published December 1, 1936.

49,043.—*Title:* SPARKLETS. For Beverage Charging Bulbs. SPARKLETS CORPORATION, New York, N. Y. Published December 31, 1936.

49,044.—*Title:* ROYAL. For Chocolate Flavor Pudding. STANDARD BRANDS INCORPORATED, New York, N. Y. Published January 15, 1937.

49,045.—*Title:* CHASE AND SANBORN TEXAS BLEND. For Coffee. STANDARD BRANDS INCORPORATED, New York, N. Y. Published December 16, 1936.

49,046.—*Title:* TENDER LEAF. For Tea. STANDARD BRANDS INCORPORATED, New York, N. Y. Published December 29, 1936.

49,047.—*Title:* ROYAL. For Vanilla Pudding. STANDARD BRANDS INCORPORATED, New York, N. Y. Published January 15, 1937.

49,048.—*Title:* TWO FRIENDS. For Fresh Citrus Fruits. A. D. SYMONDS & SON, Orlando, Fla. Published July 30, 1935.

49,049.—*Title:* RHINELAND. For Lager Beer. YOUGH BREWING CO., Connellsville, Pa. Published May 27, 1936.

PRINTS

REGISTERED MARCH 2, 1937

16,097.—*Title:* THE NEW AUTOGRAPHIC REGISTER. For Manifolding Devices and Manifolding Supplies. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Published December 22, 1936.

16,098.—*Title:* MY 100% HAND-DIPPED CHOCOLATES. ASSORTED CREAMS, CHEWS. For Candy, Chocolates, Chocolate Nuts and Salted Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published December 11, 1936.

16,099.—*Title:* IT'S "TOUGH" TO BE A LITTLE CHAP! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published January 25, 1937.

16,100.—*Title:* $4.00 MEDALITY SERVICE PLATTER FOR $1.00. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published January 19, 1937.

16,101.—*Title:* WÜRZBURGER HOFBRÄU. For Imported Wurzburger Hofbrau Beer. LUCHOW IMPORTING CORPORATION, New York, N. Y. Published October 15, 1936.

16,102.—*Title:* GENUINE IMPORTED WÜRZBURGER HOFBRÄU EDELQUELL. For Imported Wurzburger Hofbrau Beer. LUCHOW IMPORTING CORPORATION, New York, N. Y. Published October 15, 1936.

16,103.—*Title:* THE MODERN COLD STORAGE LOCKER SYSTEM. For Cold Storage Lockers and Cold Storage Locker Systems. NEBRASKA APPLIANCE COMPANY, Lincoln, Nebr. Published January 6, 1937.

16,104.—*Title:* HEY, PROFESSOR. For a Milk Product. NESTLE'S MILK PRODUCTS, INC., New York, N. Y. Published January 4, 1937.

20,279
WITHDRAWN

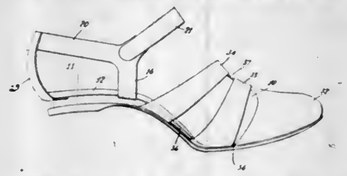
20,280
METHOD OF MAKING SHOES

Charles Miller and Albert Leone, Long Island City, N. Y.; said Leone assignor to I. Miller & Sons, Incorporated, a corporation of New York

Original No. 1,878,876, dated September 20, 1932, Serial No. 544,118, June 13, 1931. Application for reissue April 9, 1934, Serial No. 719,813

6 Claims. (Cl. 12—142)

1. The method of making shoes which comprises assembling shank and counter portions including exposed upper material on a first last, assembling a forward portion including an outsole and vamp including the exposed upper material on a second last, withdrawing the second



last, turning said forward portion, and joining said first mentioned portions and said forward portions together.

PATENTS

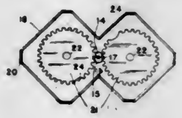
GRANTED MARCH 2, 1937

2,072,076

LOCKING MECHANISM FOR PURSES AND THE LIKE

Adam Awiszus, Detroit, Mich.

Application July 15, 1935, Serial No. 31,487
8 Claims. (Cl. 70—297)



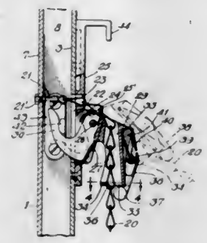
1. In a locking device, a pair of relatively rotatable discs having peripheral recesses registrable in one relative position of the discs to form an opening, a keeper having a portion receivable in the opening and having another portion cooperating with the discs upon relative rotation of the discs to move the recesses out of registration to prevent withdrawing the keeper, and means preventing relative rotation of the discs during the application of any force tending to withdraw the keeper.

2,072,077

CASEMENT WINDOW OPERATING MEANS

Henry Bianco, Baltimore, Md., assignor to Campbell Metal Window Corporation, New York, N. Y., a corporation of Maryland

Application April 30, 1936, Serial No. 77,075
4 Claims. (Cl. 268—117)



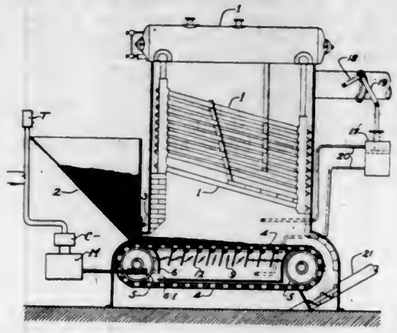
1. In a casement window, a window casing, a sash hinged to said casing to turn between open and closed position, means tending to turn said sash away from and opposing its return to its closed position, a flexible window operating element connected at one end to said sash and having its other end at the inner side of the window, a sash locking lever pivotally mounted on said casing to turn into and out of locking engagement with said sash and formed with a guide passage receiving an intermediate portion of said element and adapted to be turned into and out of locking engagement with said sash by lateral movements of the portion of the element extending away from said passage at the inner side of the window, and means mounted on said lever and rendered operative and inoperative to hold said element against longitudinal movement in said passage by the said lateral movements.

2,072,078

IMPROVED STOKER AND PROCESS OF BURNING SOLID FUEL

Ralph A. Bloomsburg, Albany, N. Y., and Marvin S. Bloomsburg, Westfield, N. J.

Application September 13, 1933, Serial No. 689,222
8 Claims. (Cl. 110—40)



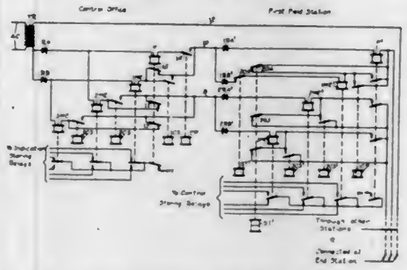
1. In a stoker having an advancing fuel bed, the combination which comprises a plurality of air inlet compartments, each adapted to supply air to a corresponding section of the fuel bed, and means associated with each inlet compartment for controlling the air supply to its corresponding section, said means being responsive to the emission of energy of its corresponding section of fuel bed.

2,072,079

CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Edwin O. Blodgett, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application October 13, 1933, Serial No. 693,484
9 Claims. (Cl. 177—353)



1. In a remote control system, a plurality of locations including a control office and a plurality of field stations connected by a plurality of line circuits, a plurality of code sending relays at said office and at each of said stations, a plurality of code receiving relays at each of said stations, means controlled by the code sending relays at any of said locations for positioning the code receiving relays at all of said stations over said line circuits, and means controlled by the

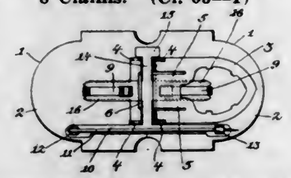
correspondence between the contacts of said code sending relays and said code receiving relays at a particular station for selecting said station.

2,072,080

BROOCH ASSEMBLAGE

Marcel Boucher, Eltingville, N. Y.

Application November 23, 1936, Serial No. 112,323
8 Claims. (Cl. 63—1)



1. A brooch assemblage comprising twin clips each having an ornamental front jaw and a back jaw hinged thereto, the front jaws being provided on their underside with suitable guides and a resilient formation in line with but separate and independent of each of the guides, and a pin-carrying plate slidable in the aforesaid guides into interlatching engagement with the resilient formations of the front jaws to secure the clips in assembled relation to form a brooch.

2,072,081

PLASTIC HEAT INSULATING COMPOSITION

Oscar A. Brandt and Duluth Dalenius, Bellingham, Wash.

No Drawing. Application April 27, 1936, Serial No. 76,606
1 Claim. (Cl. 106—18)

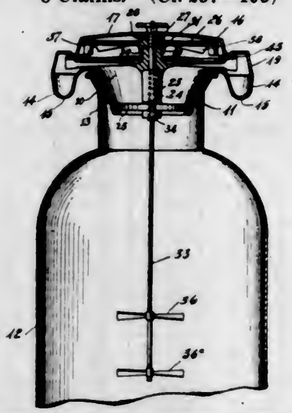
A plastic composition consisting of about 40 pounds of blue clay, about 15 pounds of flax-seed meal, about 22 pounds of green tow, about 5 pounds of hemp waste, about 5 pounds of pulverized charcoal and about 10 gallons of waste sulphite liquor.

2,072,082

LIQUID COOLER

Richard R. Butts, Saginaw, Mich., assignor to Hargett-Butts Corporation, Richville, Mich., a corporation of Michigan

Application February 27, 1936, Serial No. 66,026
8 Claims. (Cl. 257—103)



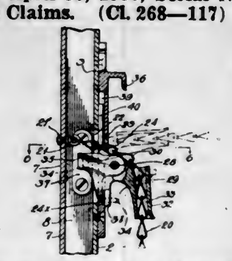
1. A liquid cooler comprising a frame adapted to be mounted on a container and formed with a circular trough section, having a plurality of discharge openings therein, a cover section mounted thereon, a hydraulically actuated impeller, means for distributing and discharging the liquid from the impeller into said trough, and means operable with said impeller for agitating and aerating the liquid in the container.

2,072,083

CASEMENT WINDOW OPERATING MEANS

Harry E. Campbell, Baltimore, Md., assignor to Campbell Metal Window Corporation, New York, N. Y., a corporation of Maryland

Application April 30, 1936, Serial No. 77,114
13 Claims. (Cl. 268—117)



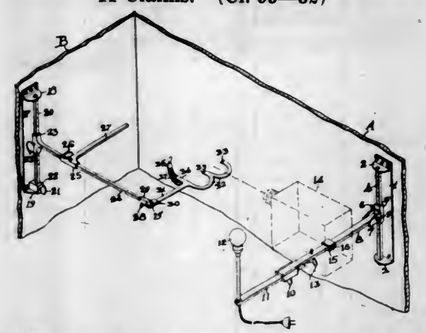
1. In a casement window, a window casing, a window sash hinged to said casing to turn between open and closed positions, means tending to turn said sash away from, and opposing its return to its closed position, a flexible window operating element connected at one end to said sash and extending therefrom to the inner side of the window, sash locking means mounted on said casing and rendered operative and inoperative by movements of a portion of said element at the inner side of the window in directions transverse to the length of said portion and adapted, when rendered operative, to provide a locking connection between said casing and sash which is independent of said element, and means mounted on said casing for holding said element against longitudinal movement and adapted to be rendered operative and inoperative by said transverse movements of said element portion.

2,072,084

PHOTOGRAPHIC APPARATUS

Clarence W. Carey, San Jose, Calif.

Application May 25, 1936, Serial No. 81,629
11 Claims. (Cl. 95—82)



1. Photographic apparatus of the kind described comprising a pair of vertical brackets mounted at predetermined points on adjoining side walls; a horizontal camera support adjustably mounted on one of the brackets; a camera mounted on the support; an adjustable horizontal

rod mounted on the other bracket, the said rod being capable of vertical adjustment and positioned in a horizontal plane which is parallel to the axis of the camera's lens; a head positioning horizontal bar secured to and extending at right angles to the adjustable rod; a U-shaped horizontal member secured to the bar in a position whereby a straight line passing through the axis of the camera's lens bisects the U-shaped member; and an adjustable member on the bar for engaging with a certain point on the head of the subject to be photographed.

2,072,085

PROCESS FOR BREAKING EMULSIONS

Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri

No Drawing. Application February 17, 1936, Serial No. 64,350
20 Claims. (Cl. 196—4)

1. A process for breaking a petroleum emulsion of the water-in-oil type which consists in subjecting the emulsion to the action of a demulsifying agent comprising a chemical compound of the formula type:

$$\begin{array}{l} Z\cdot SO_3\cdot CH\cdot COO\cdot Z \\ \quad\quad\quad\quad | \\ \quad\quad\quad CH_2\cdot COO\cdot Z \end{array}$$

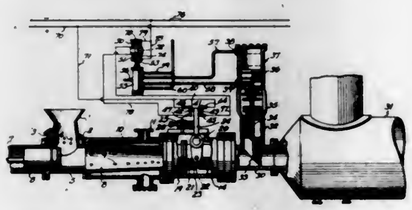
in which Z represents an ionizable hydrogen atom, a metallic atom, an ammonium radical, a substituted ammonium radical, or an organic radical obtained by dehydroxylation of an alcoholiform hydroxyl-containing organic compound.

2,072,086

DIGESTING METHOD AND APPARATUS

Joaquin Julio de la Roza, Sr., Great Neck, N. Y., assignor to de la Roza Corporation, Wilmington, Del., a corporation of Delaware

Application December 3, 1934, Serial No. 755,687
10 Claims. (Cl. 92—7)



1. In a digesting apparatus having a digesting chamber, an inlet passage to said chamber, means for forcing material to be digested through said passage; a valve in said passage and means in said passage responsive to the density of the material in said passage for controlling said valve.

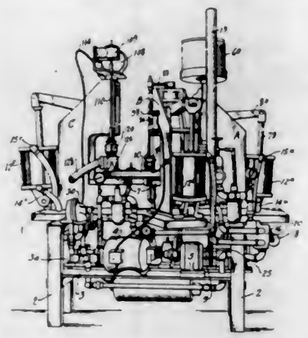
2,072,087

SPARK PLUG ASSEMBLING MACHINE

Charles E. Dewar, Toledo, Ohio, assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware

Application August 6, 1936, Serial No. 94,650
16 Claims. (Cl. 29—84)

1. In a machine of the class described, means to releasably support a loosely assembled spark plug shell and core with an annular space therebetween, means to introduce a charge of packing material into said space, means to tamp said charge of material, means to introduce a second



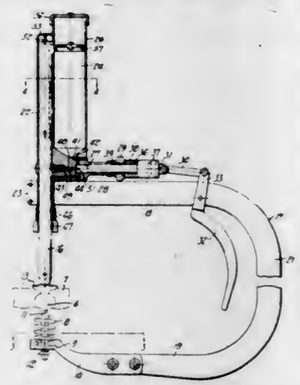
charge of material into said space, and means to tamp said second charge to form a gas-tight seal between said core and shell.

2,072,088

VALVE LIFTER

Edward Dysart, Visalia, Calif.

Application April 4, 1935, Serial No. 14,581
1 Claim. (Cl. 29—86.3)



A valve lifter for engaging portions of a poppet valve assembly for compressing the spring thereof for permitting access to the spring keeper comprising, a support, means on said support for engaging one of said portions, a cylinder mounted on said support, a ram slidably mounted in said cylinder and extendible therefrom to engage said other valve assembly portion, a fluid reservoir mounted on said support, pump means including a cylinder and piston for forcing fluid from said reservoir into said first cylinder for extending said ram, a lever arranged for grasping jointly with said frame with a single hand of the operator for actuating said pump piston, a passage communicating said reservoir and pump cylinder, a check-valve in said passage opening in the direction of flow towards said pump cylinder, a passage connecting said pump cylinder and first cylinder, a check valve in said last passage opening in the direction of fluid flow towards said first cylinder, a passage communicating said first cylinder and reservoir, and valve means in said last passage and positioned for engagement and displacement by said pump piston on movement of the latter by said lever beyond a normal pumping position for permitting fluid flow from said first cylinder to said reservoir to thereby enable retraction of said ram from said valve assembly portion.

2,072,089

METHOD OF OBTAINING AND ISOLATING FINELY DISPERSED SUBSTANCES, POSSESSING AN ELECTRICAL CHARGE, FROM STRONGLY DILUTED SOLUTIONS

Hermann Fink, Munich, Germany

No Drawing. Application June 25, 1934, Serial No. 732,306. In Germany June 26, 1933
4 Claims. (Cl. 210—62)

1. A method to obtain and isolate from highly diluted solutions finely dispersed substances having solubility and dissociation characteristics being variable with the pH value of the solution, which substances in small amounts produce highly physiological effects and possess an electrical charge, when brought to the point of minimum solubility and dissociation, and consist of one of the following groups as alkaloids, hormones or ferments, comprising said solutions being adjusted to a pH value corresponding to the minimum of solubility and dissociation of said substances, said solutions being then passed through a filter containing adsorbents, said adsorbents possessing an electrical charge sign opposed to the electrical charge sign of the substances to be isolated.

2,072,090

DOUBLE UNIVERSAL JOINT ASSEMBLY

Milton Anderson, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application October 10, 1935, Serial No. 44,326
8 Claims. (Cl. 64—1)



1. A universal joint assembly comprising a pair of universal joints connected by a shaft and a tube in telescoping relation, the shaft being splined from its free end back to a medial point and the remaining portion of the shaft being finished to provide an annular bearing surface, and widely separated bearings fixed in the tube, one bearing having a sliding fit on the annular bearing portion and the other having a sliding spline fit on the splined portion, said bearings supporting the shaft and tube in alignment and maintaining constant, wide-spread bearing during all conditions of extension and compression of the assembly.

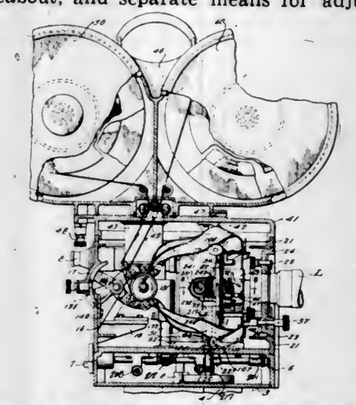
2,072,091

CINEMATOGRAPHIC CAMERA

Joseph A. Ball and Gerald F. Rackett, Los Angeles, Calif., assignors, by mesne assignments, to Technicolor, Inc., New York, N. Y., a corporation of Delaware

Application August 20, 1931, Serial No. 558,193
29 Claims. (Cl. 88—16.4)

1. A mount for an optical system comprising means mechanically defining an axis substantially parallel to an optical axis of said system, means for laterally adjusting said axis, means for rigidly positioning said optical system with reference to said axis excepting for rotation thereabout, and separate means for adjustably



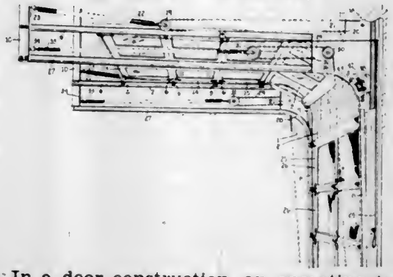
positioning said system with respect to said rotation.

2,072,092

VERTICALLY SLIDING DOOR CONSTRUCTION

Herbert C. Blodgett, Hartford City, Ind., assignor to Overhead Door Corporation, Hartford City, Ind.

Application October 10, 1935, Serial No. 44,319
12 Claims. (Cl. 20—20)



4. In a door construction, an operating track, a pair of supporting tracks, a pair of doors associated with said tracks and selectively movable into said operating track to close a doorway or retractable into one or another of said supporting tracks, and a switch controlling access of said doors to said supporting tracks, said switch being actuated by said doors.

2,072,093

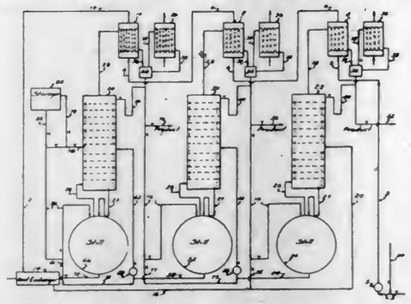
PROCESS AND APPARATUS FOR THE FRACTIONAL DISTILLATION OF LIQUIDS

Angus R. Blakey, Orange, N. J., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware

Application June 1, 1929, Serial No. 367,739
26 Claims. (Cl. 196—73)

20. The process of separating a relatively high and relatively low boiling point material from a mixture thereof which is lacking in liquid material boiling between the boiling points of said materials, which comprises heating the mixture and passing the same into a fractionating zone, withdrawing the unvaporized material from the fractionating zone and mixing therewith a substantial proportion of a substance having a boiling point between the boiling points of the said

materials, heating the mixture above the boiling point of the added substance and passing the vapors therefrom into the fractionating zone, whereby vapors of the said added substance rise



through the fractionating zone and strip the said lower boiling material from the said higher boiling material, and removing vapors of the lower boiling material overhead from the fractionating zone.

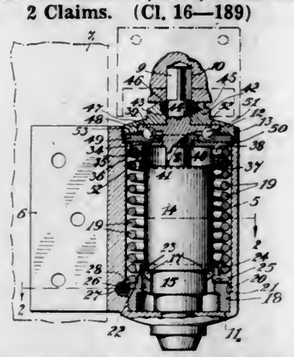
2,072,094

SPRING HINGE

Emil Bommer, Brooklyn, N. Y.; Gustav Bommer, John F. Voelkel, and Charles F. Gehrmann executors of said Emil Bommer, deceased

Application December 26, 1934, Serial No. 759,171

2 Claims. (Cl. 16—189)



1. In a hinge of the class described, the combination of a door supporting spindle, a jamb fixture in the form of a vertical casing having a closed bottom and an open screw-threaded upper end, a seat formed in the interior casing wall contiguous said upper end, a door closing spring connection in the casing having means for engaging the spindle, a screw-threaded cap closure for engaging the screw-threaded upper end of the casing, having therethrough a central journal opening receiving the spindle for rotation and a supporting bearing for the spindle receivable in said seat for rotatably supporting the spindle therein, said closure, when applied, adapted to force compression of the spring in the casing below the seat and to entirely enclose the bearing and confine the same in its seat against upward displacement.

2,072,095

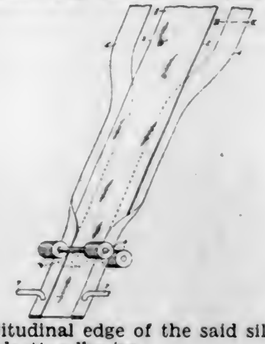
RIBBON

Adolph H. Cohn, New York, N. Y., assignor to Du-Tone Ribbon Corp., New York, N. Y., a corporation of New York

Application November 4, 1935, Serial No. 48,175

3 Claims. (Cl. 154—52)

3. A decorative ribbon comprising a strip of cut silk fabric having a strip of regenerated cellulose longitudinally folded over and bonded to



each longitudinal edge of the said silk fabric by a thermoplastic adhesive.

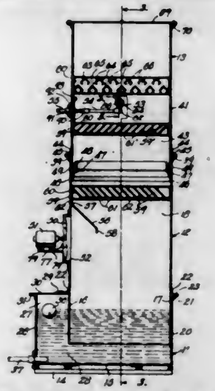
2,072,096

COOLING TOWER

Daniel J. Collins and Kenneth V. Wright, Kansas City, Kans., assignors, by direct and mesne assignments, to The Bahnson Company, Winston-Salem, N. C., a corporation of North Carolina

Application October 19, 1932, Serial No. 638,592

15 Claims. (Cl. 261—111)



1. In a cooling tower of the character described, said tower having an air inlet opening spaced from the bottom thereof, a downwardly inclined deflector adjacent said opening, two sets of vertically spaced inclined louvers above said deflector, a spray head, directing a spray downwardly toward said louvers mounted in the upper portion of said tower above said louvers and a plurality of moisture extractor members mounted above said spray head comprising inverted V-shaped members having inclined lips thereon, said tower having an air outlet adjacent the top thereof.

2,072,097

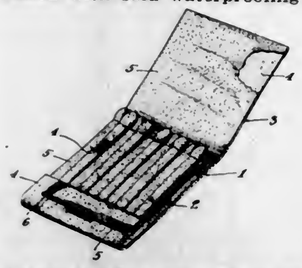
WATERPROOFING FRICTIONAL TYPE MATERIAL

Thomas L. Cunningham, New York, N. Y., assignor to Drigard Products Corporation, a corporation of Delaware

Application December 6, 1934, Serial No. 756,371

9 Claims. (Cl. 44—42)

4. A waterproof match card comprising a plurality of waterproof paper matches impregnated and thinly coated with a waterproofing composition comprising a water insoluble aluminum soap, hydrogenated fish oil and rubber, a strip of waterproof paper attached to and forming a cover for said matches, said paper being impregnated and thinly coated with said waterproofing composi-



tion, said waterproofing composition being capable of maintaining said matches and paper strip in a dry condition and said thin coat being of such nature that it is broken down by the friction or pressure normally applied when striking a match.

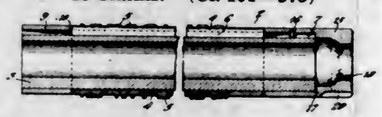
2,072,098

IDENTIFICATION AND RECORDING DEVICE

Elmer W. Davis, Newton Center, Mass., and Arthur H. Maynard, Warwick, R. I., assignors to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine

Application October 10, 1931, Serial No. 568,048

15 Claims. (Cl. 101—375)



1. A printing roller comprising a cylindrical core having longitudinal slots on its periphery, printing elements mounted on the core and having flanges engaging the slots, a bearing collar at one end of the core, a driving collar at the opposite end of the core having means engaging one of the slots, and connecting means on the driving collar for engagement with a driving element, said bearing and driving collars being adapted to rotatably support the roller.

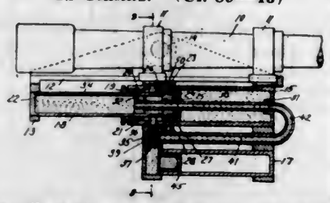
2,072,099

ORDNANCE

Gregory C. Davison, Lyme, Conn.; Alice Lydia Shepard Davison, executrix of said Gregory C. Davison, deceased, assignor, by mesne assignments, to American Ordnance Corporation, New London, Conn., a corporation of Delaware

Application April 7, 1934, Serial No. 719,465

12 Claims. (Cl. 89—43)



1. Recoil and counter-recoil mechanism for guns comprising a stationary counter recoil cylinder, a recoil cylinder fixed to the gun slidable over the counter-recoil cylinder during the recoil of the gun, a piston fixed to the counter-recoil cylinder and disposed in the recoil cylinder, a piston fixed to the recoil cylinder and disposed in the counter-recoil cylinder, a recuperator cylinder, and conduits establishing communication between the inner end of the recoil cylinder and recuperator cylinder, said conduits establishing communication to the inner end of the recoil cylinder throughout the recoil of the gun and during the counter-recoil of the gun between the recuperator cylinder and counter-recoil cylinder and means for establishing communication between the counter-recoil cylinder to the recoil cylinder.

2,072,100

SPINNING OF ARTIFICIAL FILAMENTS

Camille Dreyfus, New York, N. Y., and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application November 27, 1929, Serial No. 410,247

10 Claims. (Cl. 18—54)

1. Method of forming fine filaments, which comprises forming a solution of an organic derivative of cellulose in a suitable solvent mixture containing an ether of a polyhydric alcohol in an amount equal to 2–20% on the weight of the organic derivative of cellulose, forming said solution into filaments by extruding it through orifices into a setting medium which causes solidification of the extruded filaments without removing said ether, and stretching the filaments thus formed.

2,072,101

MANUFACTURE OF ORGANIC COMPOUNDS

Henry Dreyfus, London, England

No Drawing. Application August 25, 1933, Serial No. 686,737. In Great Britain September 1, 1932

6 Claims. (Cl. 260—54)

1. Process for the manufacture of cyclic ethers, which comprises subjecting a glycol to the action of temperatures between 150 and 200° C. in the presence of hydrogen chloride.

2,072,102

SPINNING OF ARTIFICIAL FILAMENTS

Camille Dreyfus, New York, N. Y., and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application May 31, 1934, Serial No. 728,288

3 Claims. (Cl. 18—54)

1. Method of forming fine filaments comprising forming a solution of cellulose acetate in a suitable solvent, said cellulose acetate having a viscosity between 5 and 15 units as defined, incorporating in the solution a quantity of a compound of the polyhydric alcohol class which is a non-solvent for the cellulose acetate to increase the viscosity of the solution and extruding the resulting solution through orifices into a medium that causes solidification of the filaments.

2,072,103

PROCESS OF MANUFACTURING CORING SPOONS

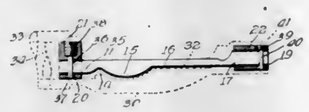
Mark Ewald, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg., a corporation of Oregon

Application February 15, 1934, Serial No. 711,355

9 Claims. (Cl. 76—104)

1. The herein described process of manufacturing a coring spoon and comprising the steps

of deforming a blank of sheet metal to effect a channel member of arcuate cross section having outwardly flared longitudinal edges, and removing material from the outer periphery of the

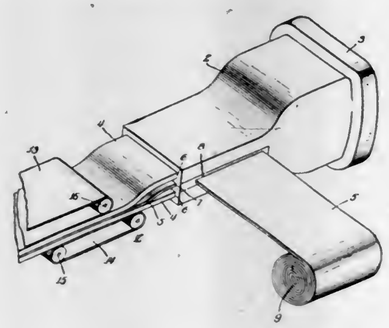


channel member to sharpen at least one of such edges and to render the periphery circular with respect to the longitudinal axis of the channel member lying in a plane common to the sharpened edges.

2,072,104
HYDROCARBON OIL TREATMENT
Seymour W. Ferris, Aldan, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application April 1, 1933, Serial No. 664,030
4 Claims. (Cl. 196—13)

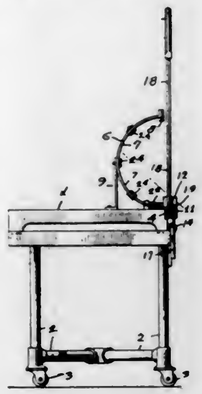
1. In the art of refining mineral oils, the process which comprises bringing an aliphatic chlorhydrin into intimate contact with a viscous hydrocarbon oil of a quality other than that of a Pennsylvania type viscous oil, and containing paraffinic and naphthenic components, thereby to dissolve from the oil substantial amounts of its naphthenic components, thereafter removing the solvent and oil dissolved therein from that portion of the oil which remains undissolved, thereby to produce an oil such as is normally obtained from Pennsylvania type crude by distillation.

2,072,105
APPARATUS AND METHOD FOR MAKING COMPOSITION STRIPS
Albert C. Fischer, Chicago, Ill.
Application February 19, 1930, Serial No. 429,556
9 Claims. (Cl. 154—2)



6. The method of fabricating a composition sheet characterized by feeding a plurality of plastic masses in a given direction but spaced apart, feeding a reinforcing sheet at an angle to said direction to pass between said plastic masses forming a plastic sheet from each of said masses, carrying said plastic sheets and said reinforcing sheet farther in a single direction and applying said plastic sheets to opposite faces of said reinforcing sheet.

2,072,106
MATRIX TRIMMER
James W. Fitzsimmons, Oakland, Calif.
Application January 20, 1936, Serial No. 59,940
8 Claims. (Cl. 164—59)



1. A matrix trimmer comprising a holder having a cylindrical concavity identical with the cylindrical concavity of a casting mold for stereotype plates and having a shearing edge on one longitudinal edge thereof; a limiting stop mounted upon the opposite longitudinal edge of said holder; pressure means mounted in spaced relation with the shearing edge of said concavity for bending a matrix to be trimmed against said stop and in conformation with said concavity; and shearing means mounted for movement between said pressure means and shearing edge and operating in conjunction with said shearing edge for trimming a matrix bent into said concavity to the edge thereof whereby said matrix may be accurately fitted, circumferentially, within a casting mold.

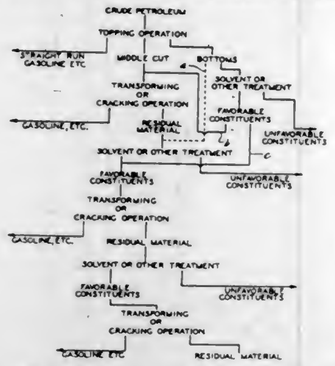
2,072,107
PROCESS FOR PRODUCING HIGH BOILING POLYMERS USEFUL FOR BLENDING AND OTHER PURPOSES
Stewart C. Fulton and Louis A. Mikeska, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 6, 1933, Serial No. 674,520
13 Claims. (Cl. 87—9)

1. A lubricating composition comprising a hydrocarbon base oil containing in solution a thickening polymer of the non-asphaltic chain type comprising alternate aromatic rings and aliphatic chains.

2,072,108
PRODUCTION OF LIGHT HYDROCARBONS
Eugene J. Houdry, Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application September 16, 1933, Serial No. 689,694
4 Claims. (Cl. 196—52)

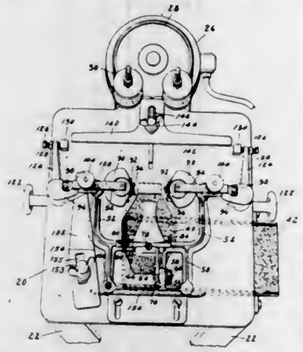
1. The process of producing light or low boiling hydrocarbons from crude oil or the equivalent which comprises topping the crude oil to remove the straight run gasoline and dividing the remainder by fractionation into a middle cut and bottoms, removing from the bottoms at least a part of the asphaltic and tarry aromatic constituents, adding the remaining or favorable parts to

the middle cut, transforming the resulting middle cut mixture to produce the desired light products and a residual oil, removing from the residual oil at least some of the more aromatic constituents



thereof, unfavorable to further transformations, and transforming the remaining or favorable parts from the residual oil into the desired light products and a residual oil suitable for a further removing and transforming operation.

2,072,109
METHOD OF AND APPARATUS FOR SPOOLING HEELS
Merton W. Howard, Haverhill, Mass., assignor to Pope Machinery Corporation, Haverhill, Mass., a corporation of Massachusetts
Application May 9, 1936, Serial No. 78,891
17 Claims. (Cl. 12—47.1)



1. In a heel-spooling machine, a table, a pair of spaced rotary cutters mounted above said table, guide elements above said cutters engageable by a heel to limit the approach of the heel to each cutter, and a heel-supporting jack freely slidable on said table to carry a heel between said cutters.

8. In a heel-spooling machine, a table having an aperture therein adapted to receive a heel, and a pair of spaced rotary cutters adjacent to said aperture.

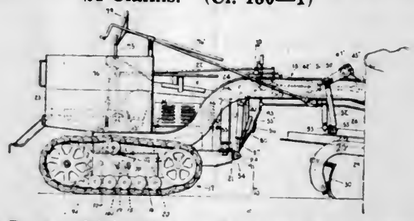
15. A method of spooling heels, which comprises presenting one flank of a heel to one of a pair of rotary cutters, moving the heel in one direction when so presented to complete a spooling cut on said flank, shifting the heel to present the other flank to the other cutter, and moving the heel in the opposite direction to complete the spooling cut on said other flank.

2,072,110
METHOD OF MAKING AND BRUSH FOR CLEANING TUBES
Arvah A. Jennings, Vallejo, Calif.
Application May 29, 1934, Serial No. 728,150
10 Claims. (Cl. 300—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of applying rope, having tightly laid wire strands tending to unlay where severed, to the bristle unit holes in a brush body, comprising progressively holding portions near and more remote from an end of a supply of rope to keep its strands from unlaying while passing the same into each bristle unit opening in the brush body, severing from the rope supply the length thereof desired for a bristle unit, and holding the portion of the rope supply adjacent the point of severance while the bristle unit length is being severed and until said supply is inserted into the next bristle unit opening.

2,072,111
ROAD GRADER
Raymond W. Keeler, Galion, Ohio, assignor to The Galion Iron Works and Manufacturing Company, a corporation of Ohio
Application August 8, 1933, Serial No. 684,183
21 Claims. (Cl. 180—1)



1. In a vehicle, the combination with a supporting frame, of a tractor unit pivoted thereto on a horizontal axis, spaced-apart vertical hangers depending from the sides of said frame and each comprising a rod guided into a tube, and flexible connections between the upper ends of said hangers and said frame and between the lower ends of said hangers and the front portion of said tractor unit, said flexible connections being on horizontal axes permitting swinging of said hangers in planes extending longitudinally of said frame and vertical movements of the front end of said tractor unit relatively to said frame but restricting lateral movement of such front end relatively to said frame.

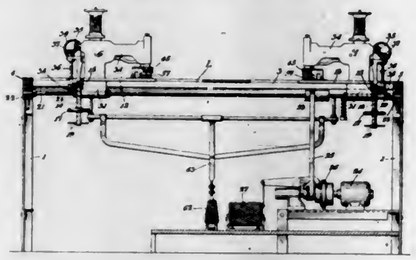
2,072,112
IGNITION SYSTEM
William B. King, Needham, Mass.
Application July 28, 1932, Serial No. 625,363
8 Claims. (Cl. 200—30)



1. In a high tension ignition system for internal combustion engines, a pair of relatively movable contact members with substantially flat opposed contact surfaces of substantial area, one

of said contact members having a vent through which atmospheric air may pass to and from the space between the contact surfaces upon each separating and each approaching movement, respectively, of the contact members and means to move said contact members relatively to and from each other a plurality of times per second.

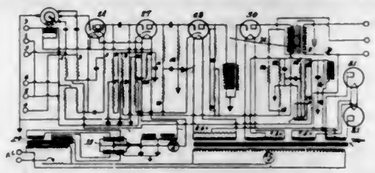
2,072,113
DUPLEX SEWING MACHINE
David W. Klau, New York, N. Y.
Application February 24, 1933, Serial No. 658,367
1 Claim. (Cl. 112—2)



In a duplex sewing machine adapted for the making of two parallel lines of stitching lengthwise of a piece of work, the combination including two separate sewing machines spaced apart, a supporting table upon which said machines are mounted so as to be relatively movable adjustably toward and away from each other, a single drive shaft carried by said table extending common to said sewing machines, means for rotating said shaft, connections between said shaft and said sewing machines for operating said sewing machines simultaneously by power derived from said shaft and regardless of adjustable movement of the sewing machines toward and away from each other, a rack bar carried by the table extending longitudinally thereof, and means carried by at least one of said sewing machines engaging said rack bar manually operable to move the mentioned sewing machine along the table, said means including a spindle rotatably mounted in a bearing part of the mentioned sewing machine, a pinion fixed to said spindle at one end of said bearing part, a hand wheel slidably connected with the spindle at the opposite end of said bearing part but fixed to rotate with the spindle so that rotation of said hand wheel will cause the pinion and consequently the mentioned sewing machine to travel along the rack bar, and a member engaging the spindle beyond said hand wheel manually operable to press the hand wheel and the pinion in opposite directions against said bearing part of the sewing machine thereby to lock the pinion, and hence the sewing machine, against travel along said rack bar.

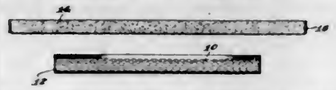
2,072,114
AUDIO FREQUENCY AMPLIFICATION
Alwyn D. Lassiter, Philadelphia, Pa.
Application December 9, 1931, Serial No. 579,972
Renewed May 22, 1936
2 Claims. (Cl. 179—100.3)

1. In an amplifying unit in combination with a transformer, rectifier and choke coil adapted to convert alternating current into substantially smooth, direct current, a radio tube having its filament connected to said source of direct current, a potentiometer, a switch associated with said potentiometer automatically operable thereby, an exciter lamp connected through said switch



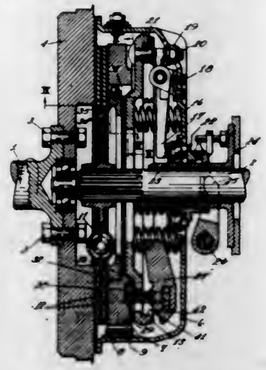
to said source of direct current, and a light-sensitive cell connected to said direct current source and to the input of said tube by a circuit including said potentiometer.

2,072,115
LUMINESCENT SCREEN
Humboldt W. Leverenz, Collingswood, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 30, 1932, Serial No. 631,028
4 Claims. (Cl. 250—34)



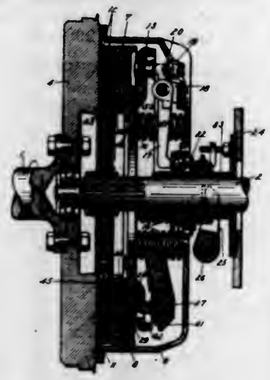
2. Screen structure of the character described comprising a shallow pan, a uniform layer of a vitreous material disposed in said pan, and a uniform layer of a luminescent material disposed on the surface of said first-named layer, the adjacent faces of said layers being interlocked.

2,072,116
CLUTCH MECHANISM
Robert P. Lewis, Toledo, Ohio, assignor to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia
Application January 10, 1934, Serial No. 706,109
20 Claims. (Cl. 192—105)



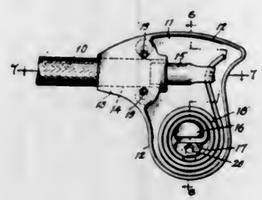
1. In a power transmitting mechanism, a driving element; a driven element; speed responsive means for establishing a driving connection between said elements; and means operable to transmit power between said elements independently of the operation of said speed responsive means, and at speeds below the driving-connection-establishing speed of said speed responsive means, when one of said elements is given an acceleration of predetermined magnitude.

2,072,117
CLUTCH MECHANISM
Robert P. Lewis, Toledo, Ohio, assignor to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia
Application September 5, 1935, Serial No. 39,327
9 Claims. (Cl. 192—105)



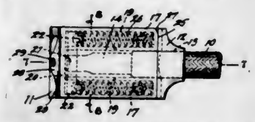
1. In a clutch, driving means, driven means, means for coupling said means, means for establishing a power transmitting connection between said driving and driven means independently of the operation of said coupling means when an acceleration of predetermined magnitude is imparted to said driving means, said last means being self-operable to augment its power transmitting action when said driving means tends to operate at a speed in excess of said driven means, and means for limiting the power transmitting operation of said last-named means.

2,072,118
AUTOMOBILE ROBE SUPPORT AND BRACKET THEREFOR
Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application August 26, 1935, Serial No. 37,792
3 Claims. (Cl. 24—123)



1. A bracket for an automobile robe support, comprising a casing adapted to receive the eye clip member of a robe supporting cord, said casing having a cylindrical passage for said cord provided with a shoulder at its inner end, and a pocket open at the inner side of said casing and in communication with said passage, a spiral spring secured at its inner end within said pocket at one side of the axis of said passage, the outer end of said spring being engaged with the eye of said eye clip member, outward movement of said cord being limited through engagement of said outer end of said spring with said shoulder.

2,072,119
AUTOMOBILE ROBE SUPPORT AND BRACKET THEREFOR
Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application August 26, 1935, Serial No. 37,793
5 Claims. (Cl. 24—123)

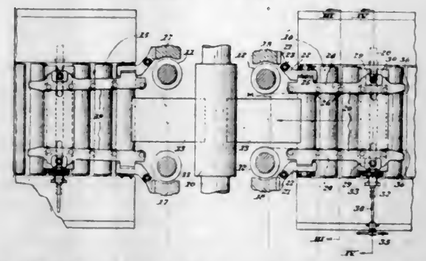


1. A bracket for an automobile robe support comprising a casing adapted to receive the end member of a robe supporting cord, spring means arranged in said casing to act between said end member and said casing to normally draw said cord toward said bracket, said casing comprising a base member adapted to be secured to a seat back or the like, before assembly of said cord, and a cover member adapted to be secured to said base after assembly of said cord to retain said cord in assembled relation.

2,072,120
RESINOUS MATERIAL
Louis A. Mikeska and Stewart C. Fulton, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 6, 1933, Serial No. 674,519
24 Claims. (Cl. 260—2)

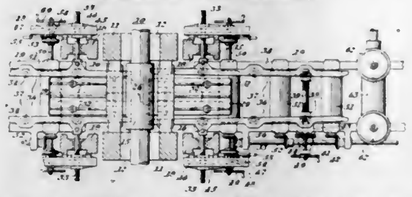
1. Process for preparing improved resinous material soluble in hydrocarbon oils, comprising alkylating a resinous material containing a reactive aromatic group.

2,072,121
METHOD AND APPARATUS FOR GUIDING MATERIAL
Alonzo B. Montgomery, Youngstown, Ohio, assignor to The Cold Metal Process Company, Youngstown, Ohio, a corporation of Ohio
Application October 21, 1933, Serial No. 694,590
3 Claims. (Cl. 80—51)



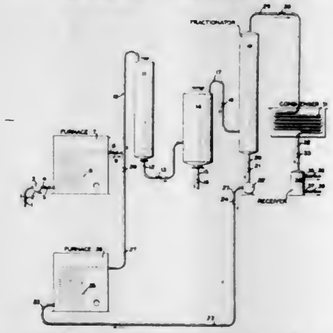
1. Guides for a rolling mill including main housings having horizontal rolls journaled therein, laterally movable housings on opposite sides of said rolls having vertical rolls journaled therein, said guides comprising bars extending outwardly on both sides of the mill, said bars being pivoted adjacent their inner ends to said laterally movable housings, and means providing fixed pivotal bearings for the outer ends of the bars, whereby the inner ends of the guides on one side of the mill move with their vertical roll housings independently of the inner ends of the guides on the other side of the mill.

2,072,122
ROLLING MILL
Alonzo B. Montgomery, Youngstown, Ohio, assignor to The Cold Metal Process Company, Youngstown, Ohio, a corporation of Ohio
Application December 4, 1934, Serial No. 755,886
20 Claims. (Cl. 80—32)



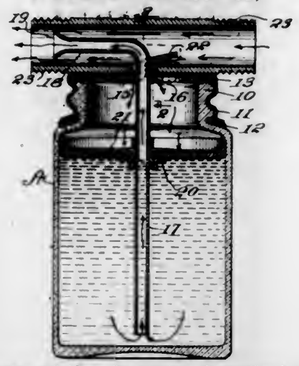
1. In a rolling mill, side guides extending therefrom, pivoted supports for the outer ends of the guides, means for adjusting said supports toward or away from each other, a roll table for feeding material to and from the mill, and means driven from a roll of said table for moving the inner ends of the guides toward and away from each other.

2,072,123
CONVERSION OF HYDROCARBON OILS
Edwin F. Nelson, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 8, 1932, Serial No. 591,475
1 Claim. (Cl. 196—48)



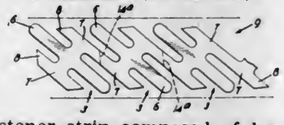
A process for producing anti-knock motor fuel which comprises passing crude petroleum containing a substantial quantity of natural gasoline through a heating zone and heating the same therein to cracking temperature under superatmospheric pressure, discharging the thus heated crude, including its natural gasoline content, into the upper portion of an enlarged vertical reaction zone maintained under cracking conditions of temperature and superatmospheric pressure and passing both vaporous and liquid reaction products downwardly therethrough, removing the vaporous and liquid reaction products as a mixture from the lower portion of the reaction zone and separating the same into vapor and residue under a reduced pressure, fractionating the vapors to condense heavier fractions thereof, heating resultant reflux condensate under superatmospheric pressure in a second heating zone to higher cracking temperature than the crude petroleum in the first-mentioned heating zone and thence introducing the same to the upper portion of the reaction zone at a temperature and in sufficient amount to heat said natural gasoline to reforming temperature, retaining the natural gasoline in the reaction zone for a time period adequate to enhance its anti-knock value, and finally condensing the fractionated vapors.

2,072,124
FERTILIZER SPRAY
Herman C. Neuman, Dearborn, Mich.
Application May 7, 1936, Serial No. 78,459
3 Claims. (Cl. 299—85)



1. A device of the character described comprising a receptacle, a closure on said receptacle, a water flow conduit attached to said closure and having communication with the receptacle, a delivery pipe extended into the receptacle and into the conduit through said communication thereof with the receptacle, and a piston working upon said delivery pipe within the receptacle and operated by pressure from a portion of the flow through said conduit for dispersing fertilizer solution content within the receptacle through the delivery pipe.

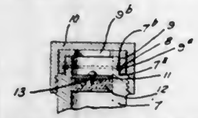
2,072,125
FASTENER STRIP
Abraham Novick, Flushing, N. Y., assignor, by mesne assignments, to United States Envelope Company, Worcester, Mass., a corporation of Maine.
Application February 14, 1931, Serial No. 515,793
Renewed January 4, 1935
9 Claims. (Cl. 85—17)



1. A fastener strip composed of leg and arm fasteners connected leg to leg, and having the arm and leg portions disposed obliquely of the length of the strip, the legs being spaced from the arms at opposite sides thereof and extended in spaced parallel relation thereto and each adapted to provide a pair of prongs, the prongs being all bendable in one direction along a pair of parallel lines, and the arms being bendable in the opposite direction along a pair of intervening parallel lines.

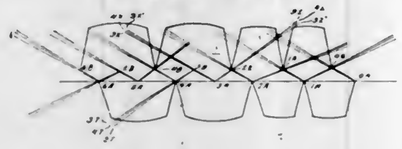
2,072,126
DETECTABLE REFILLED AND PREMIUM BOTTLE
Paul E. Oliver, San Diego, Calif.
Application April 15, 1935, Serial No. 16,379
5 Claims. (Cl. 215—8)

1. A detectable refilled and premium bottle consisting of, a bottle neck provided with a reduced smooth end portion with a circumferential channel therein, a perforate cap member with a conforming channel and with an orifice smaller than



the opening in the bottle neck, a spring ring fitted in said channels and a solid cap member arranged to fit over said perforate cap member and screw-threaded on the bottle neck.

2,072,127
ARTIFICIAL TEETH AND METHOD OF FORMING THE SAME
Ernest L. Pilkington and Joseph F. Turner, Detroit, Mich.
Application August 15, 1932, Serial No. 628,932
14 Claims. (Cl. 32—8)





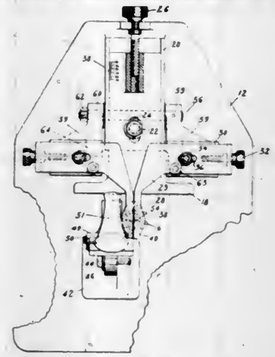
2. A model form for a series of artificial posterior teeth comprising buccal and lingual trihedral cusps having aligned transverse ridges and transverse grooves therebetween with the buccal and lingual portion of each groove in alignment, two of the faces of each trihedral cusp being generated by a transverse movement from a common center on the same side of the jaw and the third face being generated by a transverse movement from a common center on the opposite side of the jaw.

9. A model form for a series of artificial posterior teeth comprising opposed upper and lower teeth on both sides of the jaw, all provided with positive trihedral cusps and negative trihedral recesses therebetween, all the positive trihedral angles of the cusps simultaneously engaging the corresponding negative trihedral recesses on the opposed teeth and the positive trihedral angle being slightly less than the negative trihedral angle not to exceed a maximum of approximately five degrees to provide freedom of jaw movement in directions forward and rear and laterally.

12. Model forms for artificial posterior teeth, having blended into the occlusal anatomical surfaces, small grooves carved in the center of the mesial and distal marginal ridges of all teeth, so positioned that when the teeth are assembled they serve as land-marks, which are in alignment in adjacent teeth, when set correctly.

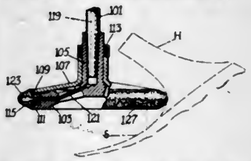
2,072,128
MACHINE FOR OPERATING ON HEELS
William R. Pope, Haverhill, Mass., assignor to Pope Machinery Corporation, Haverhill, Mass., a corporation of Massachusetts
Application March 20, 1936, Serial No. 69,897
8 Claims. (Cl. 12—47.1)

1. In a heel-spooling machine, a flat work table, a rotatable spindle projecting through said table, a form cutter mounted on said spindle above said table, a heel jack slidable in any direc-



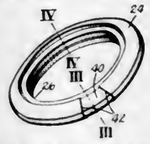
tion on said table, and stationary means above said table engageable by a heel held in said jack to guide the movements of said heel relative to said cutter.

2,072,129
ABRADING TOOL
Fred Ricks and Ernest Hope, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 4, 1934, Serial No. 755,962
In Great Britain February 6, 1934
2 Claims. (Cl. 51—194)



1. An abrading tool comprising a wheel having a hub adapted for attachment to a rotary spindle, an inflatable tubular ring mounted upon the rim of said wheel for carrying an abrasive cover, a clamping disk having a hub which fits over the hub of said wheel, said inflatable ring having an inwardly extending annular dove-tail adapted to be clamped between the rim of said wheel and the peripheral portion of said clamping disk, and means for retaining said clamping disk in clamping position.

2,072,130
ABRADING TOOL
William Roderick Barclay, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 4, 1934, Serial No. 755,972
In Great Britain June 5, 1934
5 Claims. (Cl. 51—194)



1. An abrading tool comprising a supporting member and a cover of abrasive sheet material mounted upon said supporting member, said abra-

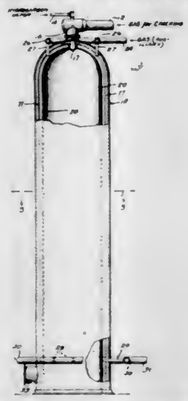
sive cover having its ends adhesively secured together to form a lapped joint, and said supporting member being recessed at the locality of the joint to prevent undue bulkiness at that locality.

2,072,131

PROCESS OF AND APPARATUS FOR CONVERTING HYDROCARBON OILS IN THE VAPOR PHASE

Albert P. Sachs, Brooklyn, N. Y., assignor to Petroleum Conversion Corporation, New York, N. Y., a corporation of Delaware

Application February 18, 1932, Serial No. 593,723
6 Claims. (Cl. 196—62)



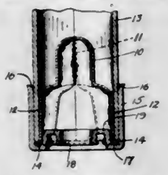
1. In the method of converting hydrocarbons in the vapor phase, the steps which consist in establishing a reaction zone, admitting to said zone the vapor of the oil to be converted, also admitting to said zone the heated heat-carrier gas containing sufficient heat units to accomplish the conversion of the vapors so admitted, permitting the conversion reaction to take place throughout the length of the reaction zone and supplying heat to said zone in a quantity not substantially greater than that necessary to compensate for loss by radiation by maintaining metal heating surfaces in said zone at a slightly higher temperature than the temperature of the reacting materials said reaction zone being otherwise non-externally heated.

2,072,132

CASTER SOCKET

Marshall R. Scott, Ripon, Wis., and Walter F. Herold, Bridgeport, Conn., assignors to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application November 10, 1934, Serial No. 752,411
2 Claims. (Cl. 16—43)



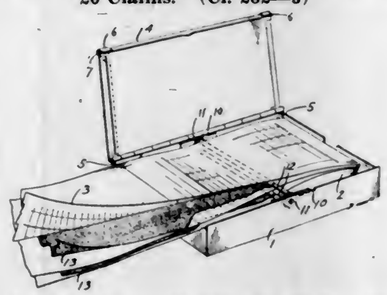
1. A caster mounting socket for tubular legs, comprising a socket member adapted to be inserted within the leg and having outwardly bent lateral flange means at its lower end adapted to extend beneath the lower end of the leg to limit upward movement, the lateral dimension of said flange means being no greater than the wall thickness of said leg, and a retaining member, non-permanently attached to said socket member and separable therefrom in a vertical direction, comprising a circumferentially continuous side wall adapted to engage the outer surface of said leg with a force fit and a base disposed beneath said flange means to retain said socket member within said leg against downward movement, and an upwardly extending abutment formed in said base having a side wall inwardly spaced from said first mentioned side wall adapted to engage the inner surface of the lower end of said socket member with a force fit through upward movement of said retaining member relative to said socket member to prevent inward lateral displacement of said lower end of said socket member with respect to said leg.

2,072,133

PORTABLE MANIFOLDING DEVICE

John Q. Sherman, Dayton, Ohio

Application May 27, 1933, Serial No. 673,207
26 Claims. (Cl. 282—3)



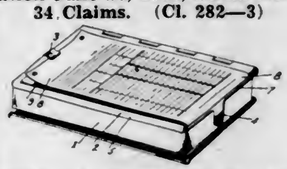
8. An autographic register for use with superimposed printed strips having succeeding forms printed on the opposite sides thereof so that when the strips are stacked in zigzag relation they all face the same direction, said register including a container for said stack of strips, a tablet associated with said container having passages underneath either end thereof so that the forms may be drawn over either end so as to present the printed surface and permit the alignment of the forms at the folds against the edge of the tablet when in closed position, and a carbon sheet holder mounted in said container for supplying transfer material to the strips.

2,072,134

PORTABLE MANIFOLDING DEVICE

John Q. Sherman, Dayton, Ohio

Application June 26, 1933, Serial No. 677,629
34 Claims. (Cl. 282—3)



1. In a manifolding device, a box-like container for a packet of superposed portions of record material from which the material may be progressively withdrawn, a cover for the container forming a writing tablet over which the withdrawn record material may be extended, and means located beneath the writing tablet for engaging

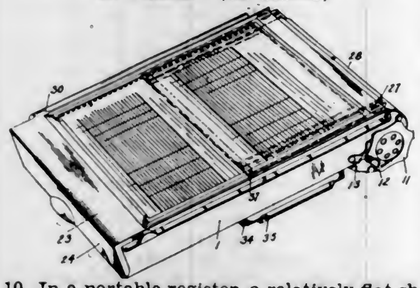
sheets of transfer material interposed between the superposed portions of record material and adapted to hold such sheets from movement with the strips, said sheets being extended thence exteriorly of the container and in reverse direction over the top thereof between the withdrawn portions of record material.

2,072,135

PORTABLE REGISTER

John Q. Sherman and Albert W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman

Application September 11, 1933, Serial No. 688,935
34 Claims. (Cl. 282—3)



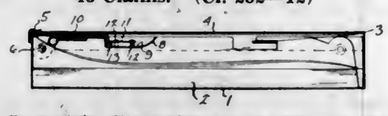
10. In a portable register, a relatively flat shallow magazine for a supply of folded superposed strips of record material, from one end of which the record material is withdrawn over the top of the magazine which serves as a writing tablet, a transversely disposed compartment at one end of the magazine of greater depth than the magazine for record material feeding means, revoluble pin wheel units mounted in said compartment and engageable with the record material withdrawn from the magazine, locating means for additional record material on top of the magazine and overlaid by the record material supplied from the magazine, said locating means being accessible intermediate the pin wheel units for insertion of record material in a direction reversely to the direction of feeding action of the pin wheel units and independently thereof, and stationary supporting means for transfer material interposed between superposed portions of record material from which sheets of transfer material extend in the direction of travel movement of the strips of record material.

2,072,136

STRIP DISPENSING APPARATUS

John Q. Sherman and Albert W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman

Application June 4, 1934, Serial No. 729,034
43 Claims. (Cl. 282—12)



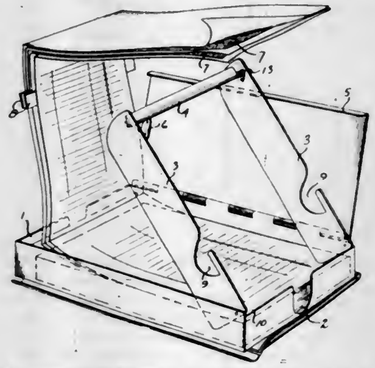
1. In a strip dispensing apparatus, a container for a packet of continuous series connected detachable record forms folded into zig-zag formation, and a writing tablet over which successive forms withdrawn from the container may be disposed to receive written inscriptions thereon, a guide means within the container around which the forms are drawn in their passage from the container to the writing tablet, said guide means including a stationary member and a superposed movable member the edge of which normally projects beyond the stationary member for engagement in successive folds of the zig-zag forms to yieldingly arrest the movement of the forms when a predetermined length has been withdrawn and normally holding the strips out of engagement with the stationary member, and a spring against the tension of which the movable member is retractable relative to the stationary member by the pulling strain upon the forms thereby permitting engagement of the strips with the stationary member to effect dislodgment of the fold of the forms from said movable member.

2,072,137

STRIP DISPENSING APPARATUS

John Q. Sherman and Albert W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman

Application August 27, 1934, Serial No. 741,578
20 Claims. (Cl. 282—12)



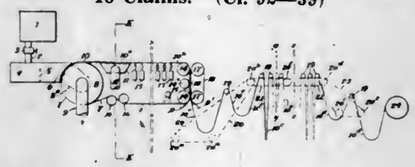
4. A strip dispensing apparatus wherein a strip of record material folded into zigzag formation is advanced from a source of supply to a writing position through a prescribed path of travel wherein it abruptly reverses its direction of travel, characterized by a bar mounted for rocking motion and having a relatively sharp edge engageable in the succeeding folds of the strip to retard the advancement thereof, an actuating plunger therefor having both longitudinal and lateral motion and operatively connected with the bar during its longitudinal motion to effect rocking movement of the bar out of engaging relation with the engaged fold of the strip, and disconnected therefrom by its lateral motion to permit independent return rocking motion of the bar into strip engaging position, and a retracting spring for said bar.

2,072,138

MAKING OF PULP ROVINGS, YARNS, AND TWINES

John C. Sherman, Attleboro, Mass.

Application March 4, 1936, Serial No. 66,986
18 Claims. (Cl. 92—39)



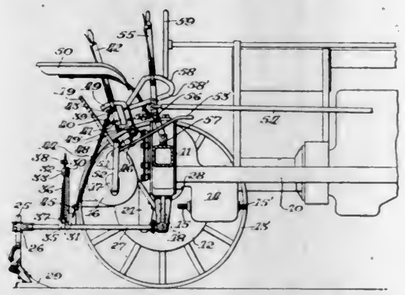
1. A method of forming a pulp roving for conversion into yarn consisting in first forming upon a foraminous carrier a ribbon of pulp with a wa-

ter-to-fibre ratio of at least nine to one, in then dewatering this ribbon by suction to a water-to-fibre ratio of about three to one, in then further dewatering the ribbon by exposure to naked flame until its water-to-fibre ratio drops to about one to one, in then rubbing the ribbon laterally to form a roving, and in then further dewatering the roving.

2,072,139
CULTIVATOR ATTACHMENT FOR TRACTORS

Hiram P. Smith, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application April 3, 1936, Serial No. 72,625
15 Claims. (Cl. 97—47)



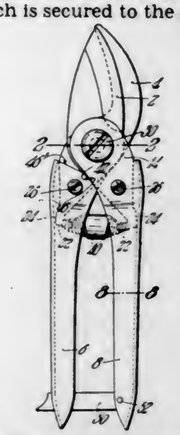
1. The combination with a motor propelled vehicle, of a plurality of implement gangs mounted on the front and rear ends of said vehicle for vertical movement, manually actuated means for adjusting the rear implement gangs separately, manually actuated means for adjusting the front implement gangs separately, said adjusting means for the front implement gangs comprising a reciprocatory member mounted on the vehicle and connected to the front implement gangs, an adjusting quadrant pivotally connected to said rear adjusting means, and an adjusting lever pivotally mounted on said adjusting quadrant and connected to said reciprocatory member; whereby, upon the operation of the adjusting lever the front implement gangs are adjusted.

2,072,140
CUTTER

Justin L. Smith, Watertown, Conn., assignor to Seymour Smith & Son, Inc., Oakville, Conn., a corporation of Connecticut

Application December 15, 1934, Serial No. 757,667
3 Claims. (Cl. 30—11)

2. A tool of the class described, a pair of handles having spaced side walls at their upper ends, blade members having inner portions rigidly secured between said walls of the handles and outer working portions provided with substantially flat inner faces, the inner edges of said outer working portions constituting co-operating working edges, each of said handles having the one of its said walls which is adjacent the outer side face of the blade member which is secured thereto extending outwardly beyond the plane of the upper marginal edge of the other of its walls to provide ears adjacent the outer side faces of said blade members, and a pivot pin extending through said ears and blade members to permit relative swinging of the same between open and closed positions, the upper marginal edge of said other wall of one of the handles being formed to provide a shoulder against which the rear edge of the blade member which is secured to the other handle may

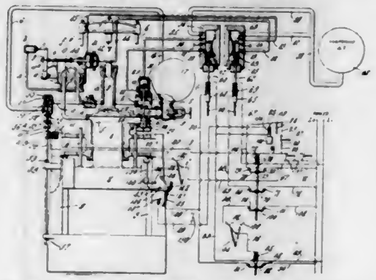


abut whereby the swinging movement of the handles to an open position is limited.

2,072,141
PRESS SYSTEM

Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Co., Piqua, Ohio

Application May 15, 1933, Serial No. 671,197
27 Claims. (Cl. 60—52)



1. In a hydraulic press system, a main ram, a pull back ram, a platen operated by said rams, a source of fluid, a reversible pump, connections between said rams, said source and said pump, by which fluid may be delivered under pressure in either direction between said rams selectively to cause operation of said platen in either direction, and automatic means free of control by the pressure of fluid in either ram and rendered effective by the platen as the platen leaves a predetermined adjustable position during a pressing operation, for reversing said pump and causing operation of said rams a selected interval of time thereafter.

2,072,142
SYNTHETIC RESINS

Richard T. Ubben, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 24, 1934, Serial No. 727,283
10 Claims. (Cl. 260—4)

1. The process which comprises reacting an aldehyde-polynuclear phenol resin with hydrogen in the presence of a hydrogenating catalyst at a temperature within the range of 140–225° C. and a pressure within the range of 150–4000 lbs. per sq. in.

2,072,143
SYNTHETIC RESINS AND COMPOSITIONS CONTAINING THE SAME

Richard T. Ubben, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

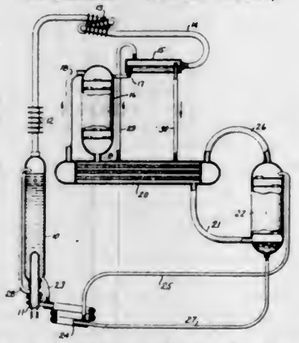
No Drawing. Application May 24, 1934, Serial No. 727,284
15 Claims. (Cl. 260—4)

1. The process which comprises hydrogenating an aldehyde-phenol resin in the presence of a hydrogenating catalyst at a temperature of at least 140° C.

2,072,144
ABSORPTION REFRIGERATING SYSTEM

Hugo M. Ullstrand, Evansville, Ind., and Harry K. Bergholm, Larchmont, N. Y., assignors, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware

Application April 5, 1933, Serial No. 664,462
Renewed August 4, 1934
18 Claims. (Cl. 62—119.5)

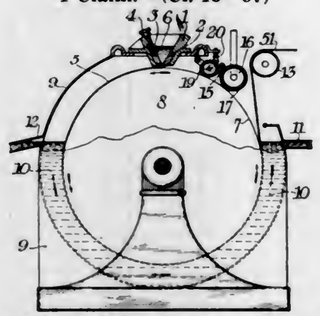


1. In an absorption refrigerating system including an evaporator and an absorber, the method which includes circulating an auxiliary gas between the evaporator and the absorber, evaporating liquid refrigerant by diffusion in the evaporator, and circulating only a portion of the rich gas flowing from the evaporator to the absorber in contact with liquid refrigerant before entrance of the latter into said evaporator.

2,072,145
PROCESS OF MAKING SHEETING

Jackson B. Wells, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application February 15, 1932, Serial No. 593,147
1 Claim. (Cl. 18—57)



The method of forming a continuous, clear, transparent sheet from a mass of plastic material containing a solvent therefor which consists in passing the plastic mass in web-like form into a bath of aqueous alcoholic precipitating liquid containing a solvent and a non-solvent for the plastic material and adjusting the ability of the liquid to precipitate the plastic material by continuously coordinating and regulating the concentration of solvent in the liquid with respect to the temperature of the liquid and with respect to the speed of movement of the bath in relation to the movement of the web, the ratio of solvent to non-solvent in the bath, the temperature and speed being so selected as to produce an initially clear sheet and to continuously maintain the sheet in clear, transparent condition during precipitation.

2,072,146
ABRASIVE ARTICLE AND METHOD OF MANUFACTURING THE SAME

Charles E. Wooddell, Frederick A. Upper, and Charles S. Nelson, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

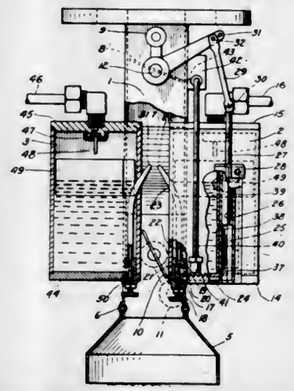
No Drawing. Application September 23, 1935 Serial No. 41,684
10 Claims. (Cl. 51—278)

5. Abrasive grain for use in the manufacture of organic bonded abrasive articles consisting of a loose mass of abrasive grains each encapsuled in a film comprising a heat-hardened mixture of crude rubber liquefied solely by heating at about 400–450° F. and a synthetic resin.

2,072,147
CARBURETOR

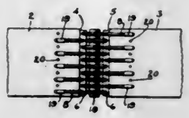
Martin Winter, New York, and Vito D'Amato, Corona, N. Y.; said D'Amato assignor to said Winter

Application August 14, 1934, Serial No. 739,722
7 Claims. (Cl. 261—18)



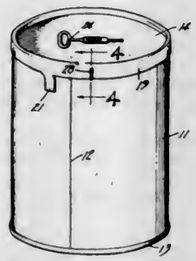
1. A carburetor of the type having a vertical mixing chamber with tanks positioned at the sides of and projecting into the said mixing chamber, means connecting one of said tanks to a fuel supply, means connecting the other of said tank to a water supply, said tanks storing quantities of fuel and water and adapted to supply fuel and water, respectively, simultaneously, to said vertical mixing chamber, butterfly valves in said vertical mixing chamber, and means increasing the injection of fuel into said vertical mixing chamber as one of the butterfly valves is opened with a comparatively quick movement.

2,072,148
BELT LACING
August F. Wydeen, Minneapolis, Minn.
Application March 30, 1935, Serial No. 13,913
12 Claims. (Cl. 24—33)



1. A belt lacing comprising a bar having a plurality of apertures therein, wire elements having oppositely disposed legs, one leg of each element being threaded through adjacent apertures and bent in opposite directions, thereby to permanently secure the elements to the bar, and said legs being disposed in offset relation lengthwise of the bar, and having their terminals bent inwardly and normally spaced apart to receive the end of a belt.

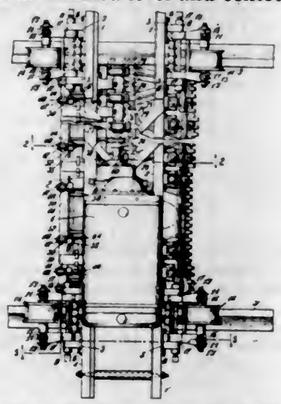
2,072,149
CONTAINER
John M. Young, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 23, 1933, Serial No. 653,035
8 Claims. (Cl. 220—53)



1. The combination in a container, a container body having a sealing area of predetermined diameter, a cover for said container having a depending flange of predetermined smaller diameter than said sealing area, and having a portion providing a tearing strip, said flange being adapted to be tensioned within the limits of its elasticity about said sealing area to form a permanent seal with the container, said flange also being bent to form passages for the escape of air during its application to the container.

2,072,150
FINE GRADING MACHINE
Robert D. Baker, Birmingham, Mich.
Application May 6, 1935, Serial No. 20,004
11 Claims. (Cl. 37—108)

1. A fine-grading machine comprising a carriage for travel on side forms bordering a pavement strip, power actuated mechanism at the front of said carriage for cutting away surplus earth disposed upon the strip to a level and contour substantially parallel with but disposed slightly above the predetermined ultimate level and contour of said strip, and power actuated earth tamping and smoothing mechanism disposed behind the first-named mechanism for reducing the level and contour of the strip to the ultimate predetermined level and contour, and a



single actuating shaft common to both mechanisms.

2,072,151
METHOD OF OXIDIZING OIL
Robert D. Bonney, Glen Ridge, and Walter S. Egge, East Orange, N. J., assignors to Congoleum-Nairn, Inc., a corporation of New York
No Drawing. Application November 19, 1931, Serial No. 576,204
22 Claims. (Cl. 87—12)

15. In a process for the treatment of drying or semi-drying oil to produce oxidized oil in liquid phase, the steps comprising subjecting to oxidizing treatment with oxygen containing gas at an elevated temperature not substantially below about 60° C. a drying or semi-drying oil having therein a small amount of an agent that is in the form of an acid and is substantially non-volatile at said elevated temperature for retarding coagulation of oxidized constituents of the oil under the oxidizing conditions, continuing the oxidation of the oil until the degree of oxidation thereof exceeds that at which coagulation would otherwise occur, limiting the oxidation treatment substantially to the formation of liquid products of oxidation, separating and removing from the liquid oxidized oil unoxidized oil constituents and non-hardening oil constituents of the oxidized oil and thereby producing from the oil treated a large fraction of liquid oxidized oil capable of hardening without substantial further oxidation.

2,072,152
HEAT INSULATING MATERIAL
Kenneth B. Blake, Ardsley, N. Y., and Cornelius S. Kemp, Upper Montclair, N. J.
Application November 27, 1934, Serial No. 755,074
3 Claims. (Cl. 139—384)



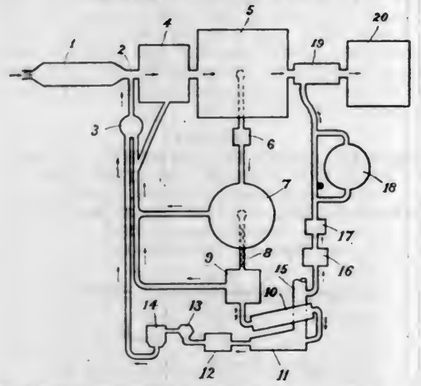
1. A fabric heat insulating blanket or sheet, said fabric being composed of a plurality of parallel closely woven sheets which are substantially spaced apart by an interwoven warp which has been woven alternately with the weft of the different sheets, said warp forming a series of closely spaced struts extending longitudinally and laterally and extending between said sheets and maintaining said sheets spaced apart, whereby collapse thereof together is prevented and said struts also being arranged in a series of spaced rows longitudinally and laterally to form a series of substantially separate air pockets in the space between the sheets, whereby dead air, heat insulating chambers are formed between said sheets.

2,072,153
SULPHONATED CONDENSATION PRODUCT
Herman A. Bruson, Elkins Park, and Otto Stein, Lansdowne, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application February 16, 1935, Serial No. 6,808
8 Claims. (Cl. 260—159)

1. A water soluble sulphonate of a condensation product of naphthalene and a polymer of isobutylene.

8. A process which comprises condensing naphthalene with tetraisobutylene in the presence of an acidic condensing agent as a catalyst and then sulphonating the product.

2,072,154
CYCLIC PROCESS OF SEWAGE TREATMENT AND SLUDGE DISPOSAL
Elmore E. Butterfield, Forest Hills, N. Y.
Application September 6, 1930, Serial No. 480,145
7 Claims. (Cl. 210—2)

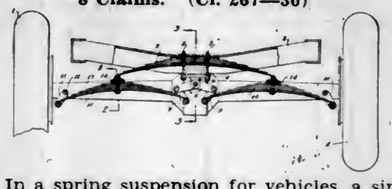


6. The method of handling sewage, which comprises combining sewage constituents with lime forming a sludge and an effluent to be separately treated, the sludge treatment comprising continuously filtering the sludge, continuously drying the filter cake, calcining the dried filter cake to regenerate the lime, passing hot gases from the calcining operation in heat exchange relationship with said filter cake to dry the same and employing the regenerated lime in further sewage handling, and the effluent treatment comprising the extracting from the gases from the calcining operation carbon dioxide, and mixing the carbon dioxide with the effluent to reduce its alkalinity.

2,072,155
COMPOSITIONS AND PROCESSES FOR SOAKING SILK AND TEXTILE MATERIALS
Dale S. Chamberlin, Bethlehem, Pa., assignor to Warwick Chemical Co., West Warwick, R. I., a corporation of Rhode Island
No Drawing. Application February 14, 1936, Serial No. 63,863
16 Claims. (Cl. 28—1)

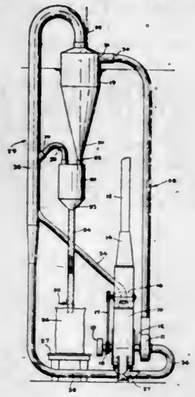
1. A process of soaking silk and rayon which comprises immersing said silk in a bath containing a soaking oil as a disperse phase and a discharging agent therefor including a water soluble carboxylated hydroxy aliphatic organic compound in the form of a water soluble salt.

2,072,156
SPRING SUSPENSION
Frank V. Cooke, Detroit, Mich., assignor to The Translever Spring Corporation, Detroit, Mich., a corporation of Michigan
Application April 27, 1936, Serial No. 76,553
8 Claims. (Cl. 267—36)



1. In a spring suspension for vehicles, a single leaf spring assembly adapted to be secured at its midportion to the bottom of a vehicle body, and two leaf spring assemblies between said single assembly and the wheels of the vehicle, each end of said single assembly being secured to the midportion of one of said two assemblies, the outer end of each of said two assemblies being anchored to the axle housing associated with said wheels, the other end of each of said two assemblies being anchored to a common hanger, said hanger being pivotally connected to said body.

2,072,157
GRINDING MACHINE
Harry G. Day, Columbia Heights Station, Minn.
Application May 17, 1933, Serial No. 671,491
10 Claims. (Cl. 83—11)



1. A grinding machine comprising a grinding element, a casing for said grinding element, a blower, a casing for said blower, a collector for ground material above said blower, a conveyor for air and ground material leading upwardly from said blower casing to said collector, and a conveyor for air leading downwardly from said collector and including branches one of which feeds into said grinding element casing and the other of which feeds into said blower casing at the side thereof opposite said first mentioned conveyor, said grinding element casing opening to said branch feeding into said blower casing at the side of said grinding element opposite said branch feeding into said grinding element casing,

and the portion of said air conveyor between said collector and said branch feeding into said grinding element casing being of sufficiently great capacity to transport air at velocity and under pressure lower than the velocity at which and the pressure under which air and ground material are transported by said air and ground material conveyor.

2,072,158

WEFT INSERTING APPARATUS FOR LOOMS WITH FIXED WEFT BOBBINS

Raymond Dewas, Amiens, France

Application February 3, 1933, Serial No. 655,021
In Germany February 19, 1932
1 Claim. (Cl. 139—126)



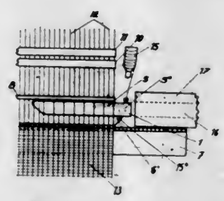
A device for inserting the weft as single threads by a pirnless shuttle or weft feeder for weaving looms having fixed weft bobbins, more particularly for vertical looms, said device comprising a weft feeder of bifurcated form, said weft feeder comprising a pair of prongs; and an elastic clip having the shape of a hairpin and situated between the prongs of said weft feeder, said clip comprising a pair of elastic prongs; the prongs of said clip extending in the same direction as the prongs of said weft feeder and being in contact with the prongs of said weft feeder, the ends of the prongs of said clip being bent outwardly to facilitate the insertion of the weft-thread.

2,072,159

WEAVING LOOM FOR CONTINUOUS WEAVING IN WHICH THE WEFT IS INSERTED BY MEANS OF PIRNLESS SHUTTLES

Raymond Dewas, Amiens, France

Application May 31, 1933, Serial No. 673,672
In France June 3, 1932
10 Claims. (Cl. 139—125)



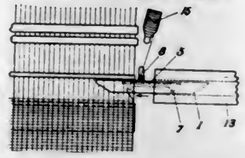
2. In a single-weft-inserting device, a weft inserter comprising a body having the shape of a two-pronged rider, said body being angular in cross-section, and a resilient clamp having the shape of a hairpin and situated between the prongs of said body, said clamp having prongs extending in the direction of the prongs of said body and being in contact with each other for a large part of their length, and a head which is bent with respect to the last-mentioned prongs, a rear surface of said body being provided with a central groove.

2,072,160

WEAVING LOOM FOR CONTINUOUS WEAVING IN WHICH THE WEFT IS INSERTED BY MEANS OF PIRNLESS SHUTTLES

Raymond Dewas, Amiens, France

Application June 17, 1933, Serial No. 676,251
In France June 23, 1932
10 Claims. (Cl. 139—125)



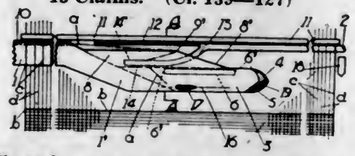
1. In shuttleless looms for continuously feeding the weft shots, in combination with a shed, and a pair of bobbins placed on both sides of the loom, the weft threads fed from said bobbins being stretched in front of both ends of the shed from the selvedges of the last pick at the fell of the cloth to said bobbins: a device for inserting single wefts and weaving from both sides of the loom, said device comprising a weft inserter for alternately gripping said threads, cutting means carried by said weft inserter, that part of each weft thread which alternately stands between the weft inserter and the selvedge being bent into the shed by the weft inserter while said weft inserter enters the shed, the part of the weft situated between its bobbin and the weft inserter being passed by said weft inserter through said shed as a single weft, and means for releasing the last-mentioned part of the weft from said weft inserter after it has passed through the shed.

2,072,161

THREAD CARRYING APPARATUS FOR WEAVING LOOMS AND THE LIKE

Raymond Dewas, Amiens, France

Application May 16, 1934, Serial No. 725,885
In France June 2, 1933
13 Claims. (Cl. 139—127)



1. Thread carrying apparatus comprising a conveyor member and a pulling member, one end of said conveyor member extending to a pair of prongs forming an intermediate slot, a clamping member in said slot, said clamping member comprising a pair of parallel flexible blades normally in resilient contact with each other at least over a portion of their length, the free ends of said blades being bent outwardly and embedded in the walls of said slot, and means for supporting the thread held by said clamp, at least a portion of said means being mounted on the face of said conveyor member facing the reed between said clamp and said reeds.

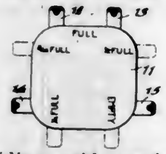
2,072,162

SPECIFIC GRAVITY INDICATING DEVICE

Joe Emil George Eurich, West Didsbury, Manchester, England, assignor to USL Battery Corporation, Niagara Falls, N. Y., a corporation of New York

Application April 24, 1935, Serial No. 18,063
In Great Britain April 24, 1934
2 Claims. (Cl. 265—45)

1. A specific gravity indicating device comprising a disk bearing spaced indicia thereon corresponding to variations in gravity of the liquid to be tested, a plurality of pivotally mounted members associated with said disk, one member being provided for each indicium, the center of mass and the center of volume of each of said



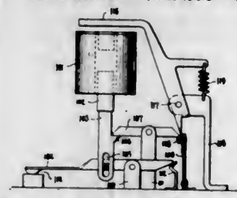
members coinciding, said members constituting arms or pointers each of a different predetermined specific gravity so that the several members move separately into registration with their respective indicium when and only when the existing gravity of the liquid corresponds to any particular member.

2,072,163

CIRCUIT CONTROLLING MEANS

William H. Frank and Joseph Messing, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia

Application November 7, 1934, Serial No. 751,834
24 Claims. (Cl. 200—88)



1. Circuit breaker holding and releasing means including magnetically actuated circuit controlled means for causing breaker release, and thermally responsive circuit controlled means for inhibiting the releasing action of the magnetically actuated means, and magnetically actuated circuit controlled means energized on the arising of an excessive circuit abnormality for causing instantaneous release of said thermal means and thereby permitting the first mentioned magnetically actuated circuit controlling means held thereby to cause instantaneous release.

2,072,164

SPECIFIC GRAVITY INDICATING DEVICE

Joe Emil George Eurich, West Didsbury, Manchester, England, assignor to U S L Battery Corporation, Niagara Falls, N. Y., a corporation of New York

Application April 24, 1935, Serial No. 18,064
In Great Britain April 24, 1934
6 Claims. (Cl. 265—45)



1. A specific gravity indicating device adapted to be immersed in a battery electrolyte, comprising a scale, and an elongate displacement member pivotallly supported at one end by said scale, said member being symmetrical with respect to the longitudinal axis thereof and having a chamber formed therein eccentric to and above said longitudinal axis adapted to receive a fluid of a specific gravity different from that of said member, whereby variations in the specific gravity of said electrolyte will cause said member to assume positions of equilibrium intermediate of two extreme positions.

2,072,165

PLANT FEEDER AND SUPPORT

Raymond S. C. Fow, Newark, N. J., assignor to En-Der-Company, Inc., Newark, N. J., a corporation of New Jersey

Application December 12, 1935, Serial No. 54,138
2 Claims. (Cl. 47—47)



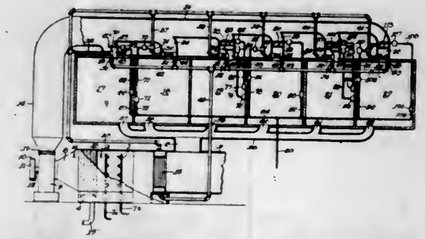
1. A combined feeder and support for plants comprising a conical receptacle with a slot and a lip, said receptacle adapted to receive plant-benefiting material, said slot extending substantially from the base to the point of the cone and being of sufficient width to pass said plant-benefiting material slowly to the plant's roots, said lip upstanding from the cone's base diametrically opposite said slot and having means to receive and hold the lower end of said support.

2,072,166

AIR CONDITIONING SYSTEM

William Goodman, Chicago, Ill., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application July 11, 1932, Serial No. 621,944
Renewed August 10, 1935
35 Claims. (Cl. 257—9)



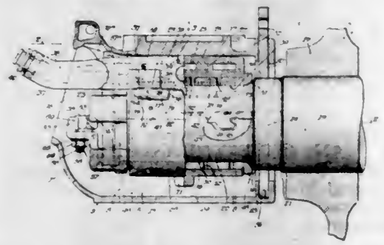
24. Air conditioning apparatus for a space to be conditioned including a volatile secondary refrigerant evaporator, a primary refrigerant air super-cooler and a volatile secondary refrigerant condenser in thermal exchange relationship with air for said space, said evaporator and condenser forming a substantially constant pressure system, and means responsive to relative humidity conditions controlling the effect of said condenser on air in said space.

2,072,167
COMBINED PICTURE FRAME AND MERCHANDISE MAGAZINE
Arthur Graham, New York, N. Y., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware
Application September 22, 1936, Serial No. 102,044
7 Claims. (Cl. 40—152.1)



1. A device of the class described including a picture frame, a merchandise magazine attached to the picture frame at the back thereof, a picture, and a merchandise recciving tray including a bottom, side walls and a hinged top, said tray being initially placed within the magazine with its bottom in position to support the picture in displaying position framed by the picture frame.

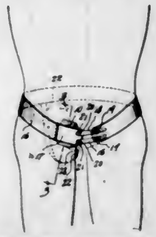
2,072,168
JOURNAL BEARING
William Hunter Heckman, Chicago, Ill.
Application July 15, 1932, Serial No. 622,692
21 Claims. (Cl. 308—79)



21. In a journal bearing, in combination, a box or housing adapted to receive a journal, a bearing block in said box, a rotatable bushing comprising a plurality of sections surrounding said journal and having interlocking portions, and means for moving said sections relatively with respect to each other whereby said portions interlock to retain said bushing sections in engagement with said journal.

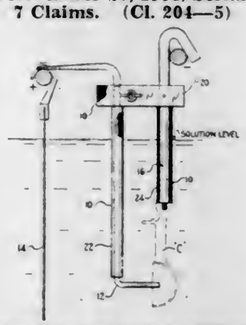
2,072,169
TRUSS
Albert C. Herzberg, Memphis, Tenn.
Application July 6, 1935, Serial No. 30,094
6 Claims. (Cl. 128—106)

1. A truss, comprising a free pad body of easily compressible resilient material in combination with a body belt having a pad backing plate of less vertical dimension than that of said pad body, whereby said pad body may be initially disposed in desired position relative to said plate and thereafter held against shifting displacement relative thereto merely by reason of the plate sinking into the compressible resilient mass of the pad body intermediate its ends when the belt is tightened into place around the wearer's person.



6. A truss pad comprising a body of sponge rubber having substantial thickness and of more or less rectangular shape, and a plurality of hollow outwardly open suction cups having air impervious walls, said cups being imbedded in spaced apart relation within the mass of said body with the marginal lips of their open mouths adjacent to the effective contact face of said body.

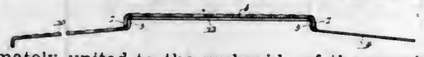
2,072,170
ELEMENTS FOR USE IN THE ELECTRO-DEPOSITION OF CHROMIUM
George K. Herzog, New Rochelle, N. Y., assignor to United Chromium, Incorporated, New York, N. Y., a corporation of Delaware
Application November 20, 1934, Serial No. 753,827
7 Claims. (Cl. 204—5)



1. An element or part of a chromium plating installation which is in contact with a solution containing chromic acid and has insulating properties, consisting essentially of a conjoint polymerization resin which does not hydrolyze and does not react with such a plating solution, containing a vinyl compound of the "hard" resin forming type (consisting of the group vinyl halides, styrene) and a vinyl compound of the "soft" resin forming type (consisting of the group of esters of a lower aliphatic acid) the range of the proportions of the two types of compounds in the conjoint polymerization product (calculated as the monomeric compounds however present in the resin) being 50 to 95 parts of vinyl compound of the "hard" resin forming type to 50 to 5 parts of the vinyl compound of the "soft" resin forming type.

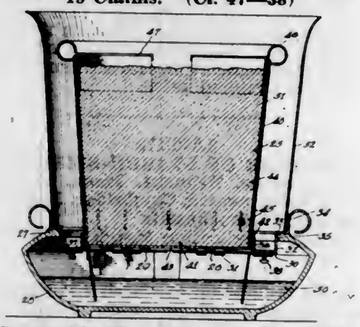
2,072,171
CAR ROOF RUNNING BOARD
George E. Knepper and William E. Frank, Altoona, Pa.
Application December 17, 1935, Serial No. 54,813
1 Claim. (Cl. 108—5)

A car roof structure comprising side roof sheets with upwardly turned inner edges, a heavy girder-like running board with downwardly turned edges fitting over and outside said roof sheet edges and intimately united to said roof sheets, said running board being composed of relatively long sections, and juncture plates in-



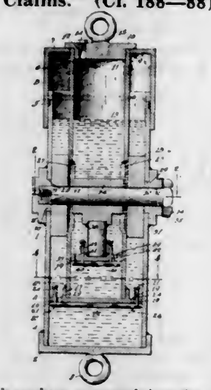
timately united to the underside of the running board at section joints, said juncture plates bracing the upwardly turned edges of said roof sheets against the downwardly turned edges of the running board.

2,072,172
COMBINATION FLOWERPOT
Robert H. Lockyer, San Francisco, Calif.
Application December 16, 1935, Serial No. 54,603
15 Claims. (Cl. 47—38)



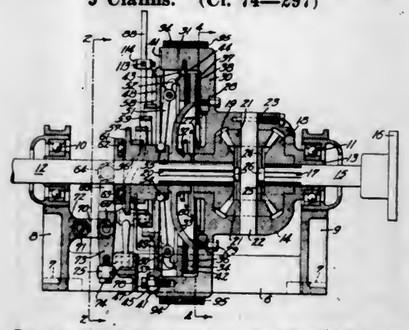
14. In combination, a saucer-shaped base, an earth-holding receptacle, means for supporting the receptacle above the base bottom for providing a well for receiving water draining from the receptacle, and a wick leading from the well and extending along the outer surface of the receptacle, said wick projecting into the earth, whereby the water will be fed from the well to the earth by capillary attraction.

2,072,173
SHOCK ABSORBER
William Lottritz, San Francisco, Calif.
Application August 3, 1936, Serial No. 93,979
5 Claims. (Cl. 188—88)



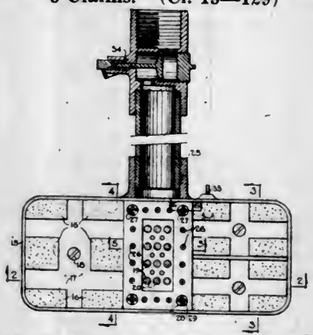
1. A shock absorber comprising two telescoping members, one member carrying a piston slidable in the other member, a liquid trapped in the said other member when the two members are moved toward each other, means carried by the piston for allowing the liquid to slowly bleed thereby for retarding the movement of the members toward each other, the other member carrying a piston slidable in the first member, a liquid trapped in the first member by the second piston when the two members are moved apart, and means carried by the second piston for allowing the liquid to slowly bleed thereby for retarding the movement of the members apart.

2,072,174
REVERSE GEAR
Carroll E. Marshall, Richmond, Calif.
Application February 10, 1936, Serial No. 63,047
5 Claims. (Cl. 74—297)



1. In a reverse gear, a pair of shafts, gears fixed for rotation with each of said shafts, a housing journaled on said shafts, a pinion journaled in said housing and meshing with each of said gears, a drum comprising a disk fixed to said housing for rotation therewith and provided with a cylindrical peripheral rim and an axial bore, a clutch disk rotatably mounted with one of said shafts and slidable axially thereof, a ring slidably mounted in said bore, a plurality of levers pivotally mounted on said drum and having one end thereof in contact with said ring, a sleeve slidably mounted on one of said shafts and pivotally engaging the other end of said levers, a plurality of engageable elements on a surface of said clutch disk and on a surface of said drum disk, a lever operatively connected with said sleeve and provided, at one end thereof, with a roller, and a member engageable with, and movable relatively with respect to, said roller for moving said sleeve lever.

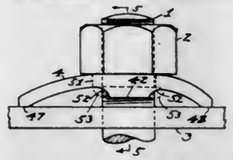
2,072,175
BRUSH IMPLEMENT
Philip Mednick, Brooklyn, N. Y.
Application September 28, 1934, Serial No. 746,014
8 Claims. (Cl. 15—129)



1. In a brush implement, a base member formed with a central water chamber therein

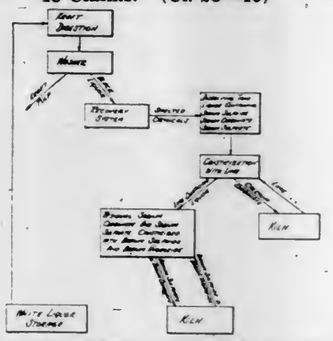
opening on one face thereof, a plate covering said water chamber and having bristles set in the center thereof, bristles set in a socket on one face of the base proper, the edge portion of the cover plate being formed with perforations for the outlet of water among the bristles.

2,072,176
SPRING NUT LOCK
George E. Monroe, Detroit, Mich.
Refiled for abandoned application Serial No. 743,952, September 14, 1934. This application July 8, 1936, Serial No. 89,577
6 Claims. (Cl. 151—38)



2. In combination with a bolt receiving element and a bolt having a nut, an arcuate apertured spring washer having an arc of single curvature interposed between the nut and the bolt receiving element with the nut bearing against the convex face of the washer, said washer having a length greater than its width, each arcuate end portion bearing against the bolt receiving element at an acute angle, and stop means disposed on opposite sides of said aperture intermediate said end portions and extending below the lower face of the intermediate part of the washer, said means being adapted to contact the bolt receiving element only following flexure of the end portions thereagainst.

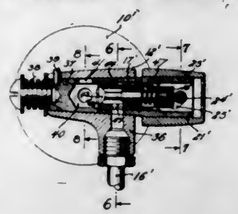
2,072,177
MANUFACTURE AND REFINEMENT OF CHEMICAL PULPS AND REGENERATION OF THE SPENT CHEMICAL LIQUORS
Hugh K. Moore, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
Application October 24, 1933, Serial No. 694,996
18 Claims. (Cl. 23—46)



2. A process which comprises first causticizing a solution of sodium carbonate with calcium hydroxide, and then treating the solution with barium hydrosulphide to convert residual carbonate into hydrosulphide.

3. A process which comprises treating a solution containing dissolved organic matter with barium hydrosulphide, thereby coagulating the dissolved organic matter, said organic matter being that dissolved from cellulosic material and being present in sufficient concentration to be susceptible of the aforesaid coagulation.

2,072,178
AUTOMATIC LIGHTER
Stephen W. Neldner, Milwaukee, Wis., assignor to George G. Bohn, Milwaukee, Wis.
Application December 23, 1929, Serial No. 415,969
6 Claims. (Cl. 158—115)

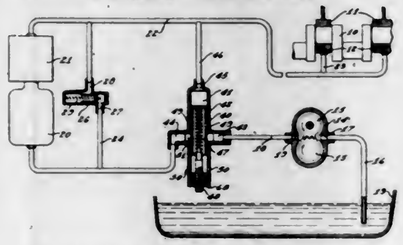


1. The combination of a burner regulating valve, an element for operating said valve and movable independently thereof, a lighter control valve, and cam mechanism operated by said independent movement of said element for operating said last named valve.

2,072,179
MANUFACTURE OF STARCH-SIZED PAPERS
Oscar F. Neitzke, Belmont, Mass., assignor to Bennett Incorporated, Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application March 23, 1935, Serial No. 12,732
7 Claims. (Cl. 92—21)

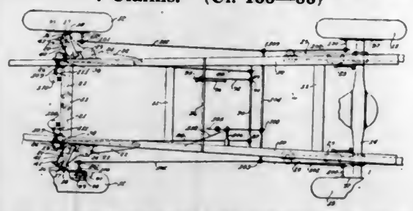
1. In the production of starch-sized papers involving the incorporation of an aqueous starch composition into the paper, that practice, prior to incorporation of the composition into the paper, which comprises alkalinizing the composition to swell the starch granules therein and to form a gelatinous solution of high starch content, diluting the solution with water to a starch content not less than about ½%, and adding an acidic reagent in amount substantially to neutralize the solution while it is at a starch content not less than about ½%.

2,072,180
INTERNAL COMBUSTION ENGINE
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 13, 1933, Serial No. 697,722
5 Claims. (Cl. 184—6)



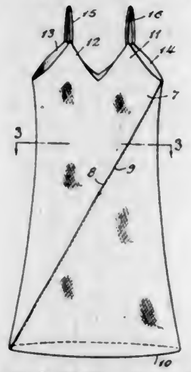
1. In a lubricating system, the combination with a pressure feed oil line including an oil treating means and a shunt line around the oil treating means controlled entirely by the differential in pressure on opposite sides of said means, of a relief in the line in advance of the oil treating means, and a control for the relief responsive to pressure in the portion of the line beyond the oil treating means.

2,072,181
SHOCK ABSORBER CONTROL MECHANISM
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application July 26, 1934, Serial No. 737,027
7 Claims. (Cl. 188—88)



1. In a road vehicle, the combination with a fluid shock absorber flow control valve, of actuator means for the valve comprising spring means to normally hold the valve open, and inertia means, said inertia means being effective during vehicle deceleration to move the valve in a direction to reduce the flow thereby.

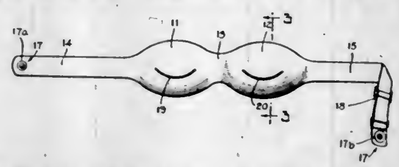
2,072,182
SLIP
Michael Polsky, Brooklyn, N. Y.
Application June 4, 1935, Serial No. 24,842
1 Claim. (Cl. 2—73)



A feminine undergarment in the form of a slip extending from the arm pits to substantially the knees and suspended from the shoulders by shoulder straps, said garment being formed of a single panel or piece of substantially stretchable textile material of trapezoidal shape, the base of the trapezoid forming the lower edge of the garment, the top of the trapezoid forming the top of the garment, and the two sides of the trapezoid extending substantially in the direction of the warp and being joined together to form a single seam, said seam extending diagonally across the garment from one side adjacent the top and adjacent an arm pit to the other side adjacent the bottom, the bias of the material extending substantially circumferentially of the body.

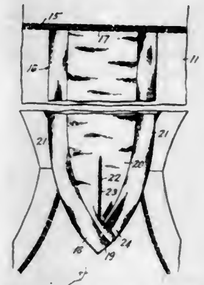
2,072,183
SUN MASK
Frances A. Rentchler, Mamaroneck, N. Y.
Application December 30, 1935, Serial No. 56,644
1 Claim. (Cl. 2—12)

A device for shielding the eyes, comprising a mask-like portion having two eye members and a nose bridge integral with the two eye members and interconnecting the same, each of said eye members being configurated to substantially conform to an eye socket of the wearer for shielding the eye with a minimum of facial coverage, and further being concavo-convex to engage, along its edges, the face of a wearer proximate the eyebrows and the cheek-bones and for affording



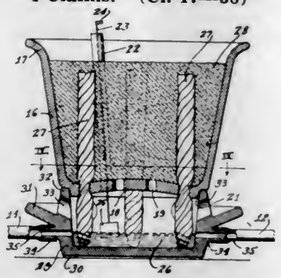
clearance for eyelash extension and movement; the said mask-like portion consisting of wholly integral, flexible, water resistant material; slit openings, very small in total area compared to the total area of the eye members, disposed in the respective eye members for registry with the eyes of a wearer; and means for securing the mask-like portion in place over the eyes of a wearer.

2,072,184
COMBINED BATHING TRUNKS AND SUPPORTER
Daniel Rheinauer, New York, N. Y., assignor to New York Knitting Mills, Inc., New York, N. Y., a corporation of New York
Application February 4, 1935, Serial No. 4,748
2 Claims. (Cl. 128—159)



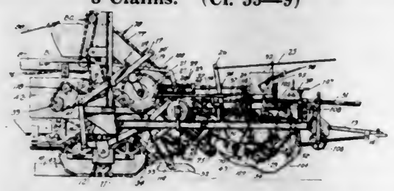
2. In combination with a pair of knitted trunks having a waist band and a crotch, a one-piece knitted supporter comprising a knitted main body portion and side portions integrally knitted with and at each respective longitudinal edge of the body portion, said side portions comprising a knitted double thread, one of which is elastic and the other of which is a plating thread of the same yarn as that of the main body portion to cover and conceal the elastic thread, said main body portion being fulled out to form a pocket, yieldable and elastic, but of sufficient strength to serve as an adequate support and conforming to the contour of the body, and said side portions being stretchable to a greater extent than the main body portion but offering greater resistance to stretching, and holding the supporter firmly to the contour of the wearer's body, said supporter being normally of greater length than the vertical distance between the waist band and the crotch and of less length than that of the trunks between the waist band and the crotch, and stitching for attaching the respective ends of said supporter to the interior portion of said trunks at said waist band and crotch.

2,072,185
FLOWERPOT WATERING SYSTEM
August P. Schein, Chicago, Ill.
Application November 16, 1935, Serial No. 50,094
4 Claims. (Cl. 47—38)



1. A flower pot watering system comprising a water supply tank, a plurality of flower pot units, means for connecting the water supply tank and said flower pot units in series, said flower pot units each comprising a base having ventilating apertures therein, passaged stud members integrally formed on the base whereby the bases may be connected one to another, a pot having a grooved apertured bottom for removably seating the pot on the apertured base, asbestos wicks in the pot and projecting through openings in the bottom of the pot into the base, and gauge means in the base and pot for indicating the amount of water in the base.

2,072,186
BEET DIGGING AND TOPPING MACHINE
Julius Sishc, Torrington, Wyo.
Application February 4, 1936, Serial No. 62,261
8 Claims. (Cl. 55—9)



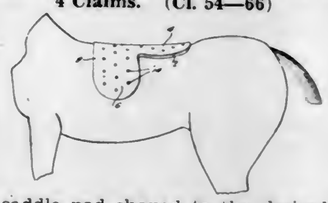
1. A beet digging and topping device comprising: a rotary knife positioned to top beets while the latter are in the ground; a lifting plow following said knife to lift the beets from the ground; an inclined beet elevator positioned to the rear of said plow to receive the lifted beets from said plow; a clamping chain extending rearwardly over said elevator so as to clamp the beets between said elevator and said chain during the elevating operation; and means for positively driving said clamping chain so that the lower reach there will move in the same direction as the upper reach of said elevator.

2,072,187
REFRIGERATING APPARATUS
Carl A. Stickel, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application June 30, 1933, Serial No. 678,449
12 Claims. (Cl. 62—4)

1. Refrigerating apparatus including a refrigerant liquefying means and a refrigerant evaporating means, means for normally controlling the apparatus for maintaining said evaporating means at predetermined temperatures, chronometric means for periodically acting upon the control means to modify the action of the control means for varying the temperature of the evaporating means, means operable at will for temporarily varying the temperature of the evaporating means, and mechanical means rendered effective by said means operable at will for rendering the chronometric means ineffective to vary the temperature of the evaporating means.

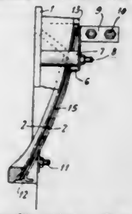


2,072,188
SADDLE PAD
Louis Tauber, Jamaica, N. Y.
Application March 2, 1935, Serial No. 8,971
4 Claims. (Cl. 54—66)



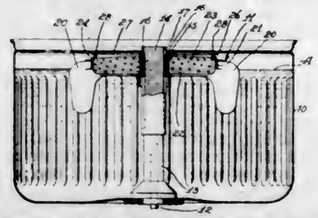
1. A saddle pad shaped to the desired saddle supporting contour and comprising, in combination, a rubber cushion made up of a sponge-like structure of intercommunicating cells, substantially free from occluded cells and also free from chemicals not constituting elements of the rubber composition itself, and a sheet rubber backing for said sponge rubber arranged to interpose resilient resistance to distortion of the saddle-supporting contour of said pad, said pad being provided at intervals throughout its area with ventilating openings extending through said sheet rubber and communicating with said intercommunicating cells.

2,072,189
TUNING INDICATOR
Johannes Bernardus Lambertus Vollenbroek and Alexandre Horowitz, Eindhoven, Netherlands; assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application December 19, 1935, Serial No. 55,160
In the Netherlands February 1, 1935
3 Claims. (Cl. 116—124.1)



1. Means for indicating the position of a tuning device comprising a panel having an opening therein, guide members mounted at the opposite sides of said opening said members being concave, a flexible graduated scale held in engagement with said guide members and a pointer connected to said tuning device and movable behind said scale.

2,072,190
AGITATOR
Walter K. Voss, Davenport, Iowa
Application May 25, 1936, Serial No. 81,570
1 Claim. (Cl. 259—101)



An agitator of the buoyant type comprising a metal frame provided with water-agitating blades and means for connecting the agitator to a drive member, and a cork disk for rendering the agitator as a whole buoyant, said frame comprising a ring member fitting snugly around the periphery of the cork disk and having radial arms supporting one face of the disk, and a clamping ring secured to the ring member and fitting over the opposite face of the disk at the periphery thereof to clamp the disk firmly in place.

2,072,191
COIN WRAPPING DEVICE
Albert N. Wagner, Evanston, Ill.
Application March 30, 1934, Serial No. 718,271
4 Claims. (Cl. 93—5)

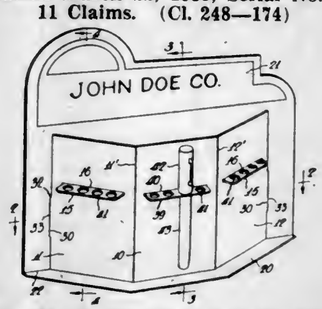


1. A coin wrapping device comprising a substantially cylindrical tube open at both ends, a bracket mounted upon one end of said tube and presenting a stop formation spaced from said end of said tube and adapted to be engaged by one extremity of a paper tube disposed within said first-named tube when the other extremity of said paper tube is disposed for projection from the other end of the first-named tube, and a coin stack supporting member mounted upon said bracket and adapted to be received within a portion of said paper tube projecting from the adjacent end of said first-named tube, said stop formation and the end of the first-named tube farthest removed therefrom being spaced from each other a distance appreciably less than the length of a paper tube adapted for wrapping a given stack of coins of diameter substantially equal to that of said tubes.

2,072,192
PROCESS OF TREATING SOUR MILK PRODUCTS
Herman D. Wendt, West Chester, Pa., assignor to Milk Processes, Inc., of Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 24, 1934, Serial No. 745,366
9 Claims. (Cl. 99—62)

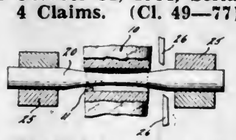
1. In the manufacture of creamery products from a liquid milk product containing butter fat in the dispersed phase, the steps comprising subjecting the liquid milk product to a centrifugal separating treatment to effect concentration of the butter fat and production of a cream containing over 65% butter fat in the dispersed phase, diluting the cream so produced with other liquid and finally subjecting the diluted product at a temperature substantially above 100° F. to a second centrifugal separating treatment to effect re-concentration thereof and removal of undesired constituents with removed liquid.

2,072,193
DISPLAY DEVICE
Felix Wierzbicki, New York, N. Y., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application March 22, 1935, Serial No. 12,367
11 Claims. (Cl. 248—174)



1. A display device comprising an upstanding panel having an extension flap at one of the edges thereof folded inward and behind said panel, the extremity of said flap extending outward through a corresponding slot in said panel, the articles to be displayed being held on said exposed extremity of the flap in front of the panel and blocking the return of said extremity through its slot.

2,072,194
METHOD OF FORMING CANALS IN GLASSWARE
Charles G. Anastor, Vineland, N. J., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application October 31, 1934, Serial No. 750,752
4 Claims. (Cl. 49—77)

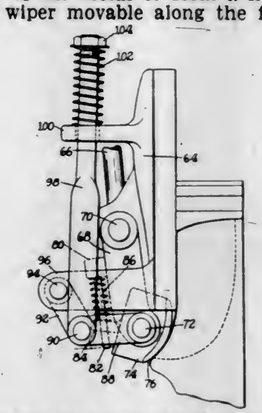


1. The method of forming a canal through a glass body which consists in forming the glass body with a core formed of extensible material extending through the same, stretching the core to reduce the cross sectional area thereof and removing the core from the body.

2,072,195
COUNTER MOLDING MACHINE
Leslie Hugh Bennion, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 30, 1935, Serial No. 42,855
In Great Britain October 19, 1934
11 Claims. (Cl. 12—66)

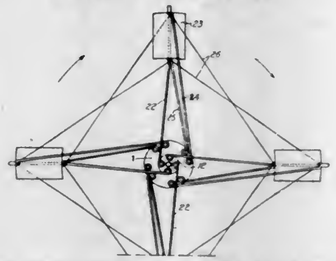
1. A counter molding machine comprising molds for shaping the side and rear portions of

a counter blank and having faces portions of which are curved, a flange former movable across the faces of the molds to form a flange on the blank, a wiper movable along the faces of the



molds to shape wing portions of the blank, means for forcing the wiper toward the faces of the molds, and means for limiting to an approximately constant amount the pressure exerted by the wiper upon the curved portions thereof.

2,072,196
AERIAL PROPELLER
Emile Claude Berger, Orsay, France
Application September 25, 1935, Serial No. 42,135
In France November 9, 1934
3 Claims. (Cl. 170—167)



1. An aerial propeller of the kind described, having a hub structure comprising two rigidly connected co-axial rings of different diameter axially spaced from each other, a plurality of rigid blades of substantially rectangular shape arranged equidistant from the hub and with uniform peripheral distribution, arms extending from the smaller hub ring and pivotally supporting the blades, flexible rudder means on each blade for individually and automatically controlling the angle of incidence of the blade, pairs of crossed braces connecting the arms at the inner and outer edges of adjacent blades, and a pair of stays connecting the periphery of the larger hub ring with each arm at the inner and outer edges of the blade thereon.

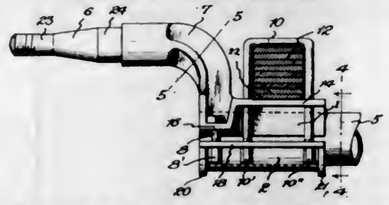
2,072,197
AUTOMATIC FIREARM
Theodor Emil Bergmann, Rotenfels (Murgtal), Baden, Germany
Application July 1, 1933, Serial No. 678,685
In Germany July 6, 1932
8 Claims. (Cl. 42—4)

1. A machine gun comprising, a breech casing with unslotted wall, an inertia closed breech block slidable therein, a firing pin in the breech block, a spring for effecting the closing movement of the breech block and also driving the firing pin, a non-recoiling end sleeve slidable manually in the casing, means carried by said sleeve operative in its backward stroke to retract the breech block along with its aforesaid spring in uncocked



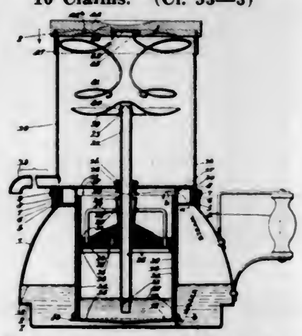
condition to its rearmost position, said sleeve in its forward stroke cocking the said spring, a trigger pawl for holding the breech block when it is thus retracted, means for locking the end sleeve to the casing at the end of its forward stroke to hold the spring cocked, and a handle carried by said end sleeve externally of the casing.

2,072,198
SPRING AND SPINDLE BRACKET
William Edwin Davis, Macon, Ga.
Application May 26, 1936, Serial No. 81,927
5 Claims. (Cl. 301—124)



1. A spring and spindle bracket for use with a vehicle having an axle and a spring, comprising a bracket composed of two members, a spindle integral with one of the members, means for securing the spring to one of said members and for securing the two bracket members together with the end portion of the axle clamped therebetween.

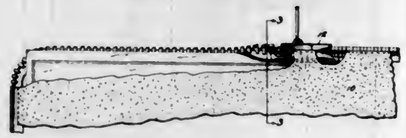
2,072,199
COFFEEPOT
José de Ayala, San Juan, P. R.
Application April 11, 1935, Serial No. 15,906
10 Claims. (Cl. 53—3)



1. A coffee pot comprising a water receptacle, a coffee tray and a storage vessel attached to it, a cylinder spaced around said vessel, a compartment and means by which it is attached to the receptacle, said compartment having a bottom forming a closure for the receptacle and a place of connection for the cylinder, a cover for the compartment, and means carried by said bottom

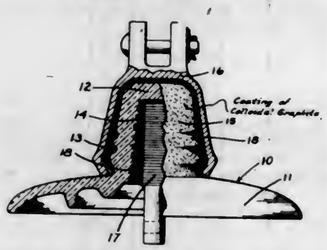
for simultaneously supporting the tray and storage vessel in a suspended position and for conducting fluids from the receptacle side of the bottom into the compartment.

2,072,200
SLIDE FASTENER
Raymond E. De Vore, Meadville, Pa., assignor to Joy Manufacturing Company, Franklin, Pa., a corporation of Delaware
Application January 24, 1935, Serial No. 3,357
11 Claims. (Cl. 24—205)



11. A fastener of a type having flexible rows of cooperating fastener elements, a slider having diverging channels for the reception and passage of the fastener elements, and a deflecting plow carried by the slider and having a leading portion extending above the plane of the bottom of said channels and beneath the fastener elements in lifting association therewith to raise the same.

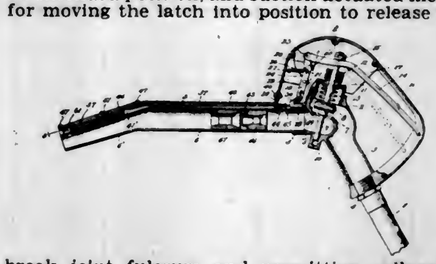
2,072,201
INSULATOR AND METHOD OF MAKING IT
Clarence H. Dibble, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application July 28, 1933, Serial No. 682,682
1 Claim. (Cl. 173—318)



An insulator comprising a dielectric body having a head and a pin-hole, a coating of colloidal graphite on the head and the wall of the pin-hole, a cap enclosing the head, a pin in the pin-hole and a fusible alloy filling the space between the head and the cap and the pin and pin-hole.

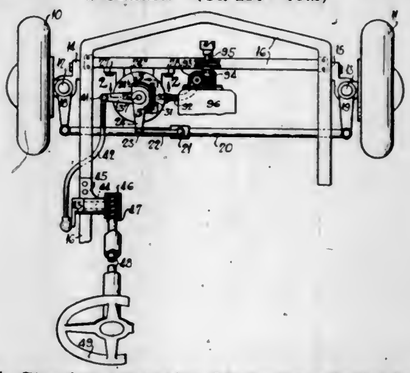
2,072,202
AUTOMATIC FILLING NOZZLE
Henry K. Flinchbaugh, West Manchester Township, York County, Pa., assignor of one-half to Alonzo E. Smith, Springettsbury Township, York County, Pennsylvania
Application March 28, 1935, Serial No. 13,551
6 Claims. (Cl. 226—127)

3. A nozzle comprising a valve body having an inlet and an outlet, a discharge spout extending from the outlet, a valve in said body yieldably held closed, a break joint fulcrum pivotally mounted externally of the valve body, a lever pivoted to the break joint fulcrum and connected with the valve, a latch for engaging the break joint fulcrum and securing the fulcrum in an extended position, and suction actuated means for moving the latch into position to release the



break joint fulcrum and permitting collapsing thereof and automatic closing of the valve.

2,072,203
POWER STEERING APPARATUS FOR VEHICLES
William W. Fuller, Norfolk, Va.
Application June 28, 1935, Serial No. 28,918
2 Claims. (Cl. 180—79.2)

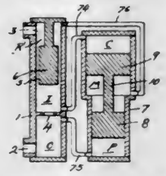


1. Steering apparatus for motor vehicles having pilot wheels and manual steering means comprising a casing, a shaft rotatably mounted in the casing, a pair of pump housings fixedly mounted on said shaft, a planetary gear pump mounted in each housing, means for driving both planetary gear pumps in opposite directions, said casing being adapted to be filled with a suitable fluid for the pumps, inlet and outlet ports for the pumps normally held in open position, and means controlled by movement of the manual steering means in one direction for closing the outlet port for one of the two pumps to cause rotation of the shaft and movement of the steering apparatus in one direction, and means controlled by the movement of the manual steering means in a reverse direction for closing the outlet to the other of said pumps to cause rotation of the shaft in a reverse direction.

2,072,204
MEASUREMENT AND CONTROL OF THE FLOW OF VISCOUS FLUIDS
Harry G. Geissinger, Detroit, Mich.
Application August 23, 1934, Serial No. 741,173
14 Claims. (Cl. 137—139)

1. The combination of a passageway for a viscous fluid, said passageway having a constricted area, means in said passageway for creating a resistance to flow of said viscous fluid, said resistance being a function of length, a movable element having pressure responsive faces of dif-

ferent areas and means for urging said element in opposite directions by the pressures within said



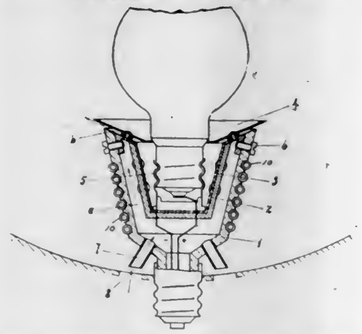
passageway on opposite sides of said constricted area on the one hand and on opposite sides of said resistance means on the other hand.

2,072,205

COMBINED LIGHT AND HEAT RADIATOR WITH REFLECTOR FOR MEDICAL PURPOSES

Adolf Halpern, Vienna, Austria

Application July 9, 1932, Serial No. 621,684. Renewed July 15, 1936. In Austria July 14, 1931
8 Claims. (Cl. 250—34)



1. In a combined heat and light radiator, the combination of a refractory body having centrally thereof a chamber, an electrical heat producing element carried by said refractory body, a light holder mounted within said chamber and so disposed therein as to define an insulating space between the said holder and the refractory body, said chamber having an opening therein to enable a light to be engaged with said light holder.

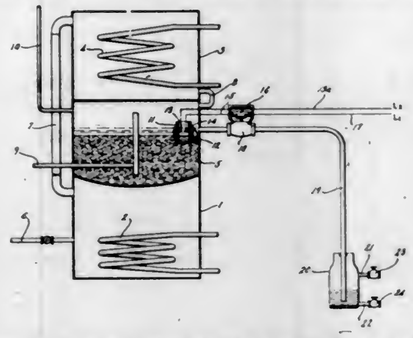
2,072,206

WATER SEPARATING DEVICE

Russell A. Hetzer, Madeira, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio

Application May 3, 1935, Serial No. 19,689
2 Claims. (Cl. 210—51)

1. An apparatus for separating water from solvents having a greater specific gravity than water and from which the water will stratify comprising a vessel for holding the liquids in superimposed relationship, means for supplying solvent containing water to said vessel and means for draining solvent from the vessel including a vertical conduit extending from a position above the normal level of the liquid in the vessel to a point adjacent the bottom of the vessel and a horizontally extending conduit connected to the vertical conduit at a point a short distance above its lower orifice, a pair of spaced electrodes connected to a source of current, said electrodes being located a substantial distance above the bottom of the receptacle, whereby an electric circuit is established when the water rises or falls to such a position that it makes contact with the electrodes, a conduit leading from the vessel, the orifice of which is positioned in substantially the



same horizontal plane as the electrodes, a valve for said conduit, and means responsive to the flow of current in said circuit for opening said valve whereby water may be drained from the surface of said solvent.

2,072,207

HEAT RESISTING FLUORIDE BOROSILICATE GLASS

Harrison P. Hood, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application March 19, 1934, Serial No. 716,419
19 Claims. (Cl. 106—36.1)

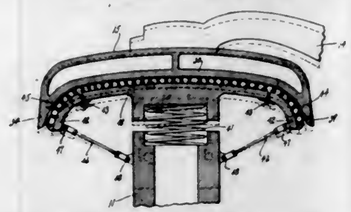
1. A transparent heat resisting borosilicate glass containing fluorine and chlorine and between 80% and 90% of silica.

2,072,208

PRESSING MACHINE AND BUCK

George W. Johnson, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio

Application July 18, 1934, Serial No. 735,798
13 Claims. (Cl. 38—20)



1. In a press of the class described, the combination of coacting elongated head and bed members each having a central pressing portion and side pressing portions, the side portions of said bed member being movable laterally outward relative to the central portion thereof, supports for said members, said bed member being movable relative to its support, means for causing pressure engagement between the central portions of said members, and means operable upon movement of said bed member relative to its support by pressure on the central portion of said bed member for moving the side portions thereof laterally into engagement with the side portions of said head member.

2,072,209

MEANS FOR AND METHOD OF PRODUCING KNITTED FABRICS

Thomas Henry Jones, Woodthorpe, England

Application May 8, 1935, Serial No. 20,489
In Great Britain July 7, 1934
11 Claims. (Cl. 66—119)



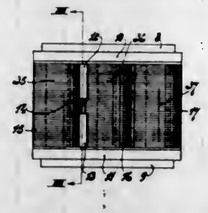
1. A method of knitting with a needle having a shank and a spring beard which is extended and turned inwardly towards the shank to form a subsidiary hook which is shaped as a complete loop, characterized by the following sequence of operations, namely, clearing an already formed stitch loop on to the needle shank below the double hook, feeding new thread into the looped extension of the main hook, passing said thread around said looped extension and back into the bend or bight of the main hook and thereby forming a twisted loop of said new thread, and passing the old thread loop along the needle over the double hook and casting same off over said new loop.

2,072,210

THREE-PHASE TRANSFORMER AND PROTECTIVE DEVICE THEREFOR

Hendrik Abraham Wijnand Klinkhamer, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application February 7, 1935, Serial No. 5,440
In Germany February 12, 1934
4 Claims. (Cl. 175—294)



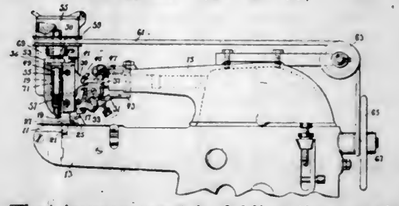
1. In combination, a three-phase transformer comprising a core having three legs and two yokes, a secondary winding on each of said legs, a partial magnetic circuit formed between said yokes, said magnetic circuit having an interruption, and a protective device comprising a movable magnetic member actuated by the leakage field set up when the sum of the currents in the secondary windings differs from zero, to substantially bridge said interruption of the magnetic circuit.

2,072,211

METHOD OF AND MACHINE FOR FOLDING SHEET MATERIAL

Clifford K. MacDonald, Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application December 24, 1932, Serial No. 648,807
11 Claims. (Cl. 12—55)



1. That improvement in folding the margin of a piece of sheet material which comprises progressively folding the margin thereof over upon the body portion, pressing said margin into place, and continuously flowing upon the work in the locality of the fold line, prior to the pressing operation, a ribbon of thick cement.

2,072,212

EMBEDDING MASS

Walter Moosdorf, Cologne, and Paul Wolski, Leverkusen-Wiesdorf, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application July 26, 1935, Serial No. 33,387. In Germany August 15, 1934
6 Claims. (Cl. 18—47)

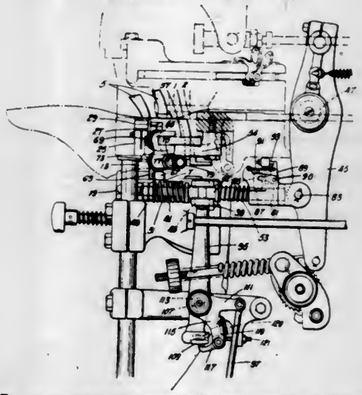
1. An embedding mass comprising a ceramic substance hardening on burning, a substance capable of forming a hardening phosphate with phosphoric acid ions, and a practically alkali-free substance yielding phosphoric acid ions in the presence of a solvent.

2,072,213

LASTING MACHINE

John William Pratt and Harold Lane, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

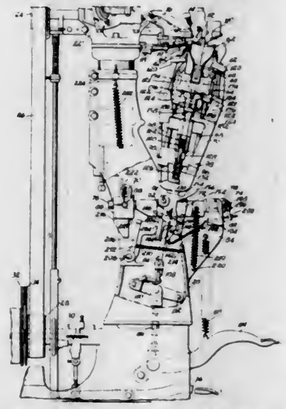
Application May 4, 1936, Serial No. 77,730
In Great Britain July 19, 1935
15 Claims. (Cl. 12—4)



1. In a power-operated lasting machine, the combination with means for clamping an upper about the heel end of a last, of members ar-

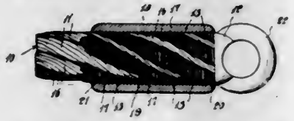
ranged to clamp the upper against the sides of the last in locations forwardly of but near said end-clamping means, said members being movable inwardly into engagement with each shoe prior to the starting of the power operation of the machine, and power-operated means automatically operative thereafter in a cycle of operations of the machine to force said members more firmly against each shoe at substantially the same time and with substantially the same pressure in each cycle of operations regardless of the positions to which the members are moved prior to the starting of the machine.

2,072,214
METHOD AND MEANS FOR USE IN LASTING SHOES
Charles F. Pym, deceased, late of Beverly, Mass., by Arthur Frederick Pym, executor, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 5, 1935, Serial No. 14,880
52 Claims. (Cl. 12—2)



3. In a lasting machine, a flexible apron for working an upper heightwise of a last substantially into lasted relation to the last by engaging it frictionally in locations opposite the sides of the last substantially from its toe-end portion to its heel-end portion at one operation, and means for thereafter tensioning the upper by gripping and pulling its margin heightwise of the last in locations between its toe and heel-end portions.

2,072,215
WIRE CABLE END CLAMP
Leslie Robinson, Hedley, British Columbia, Canada
Application February 14, 1935, Serial No. 6,604
4 Claims. (Cl. 24—124)



3. In a wire cable end clamp, a head, a plurality of individual fingers each substantially triangular in cross section and arranged circumferentially of said head, each individual finger being spiral and having its inner surfaces curved to conform to the shape of the outer coils of a cable in a single groove thereof and said surfaces provided with grooves to receive the outer strands of said coils, and a sleeve screw threaded to said fingers.

2,072,216
SHOE AND METHOD OF MAKING IT
Simon G. Ross, Cincinnati, Ohio, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 23, 1934, Serial No. 721,874
15 Claims. (Cl. 12—142)



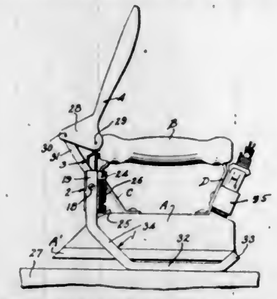
2. That improvement in methods of making shoes which consists in securing a welt to the forepart portions only of the insole and upper of a shoe, extending the welt rearwardly in unsecured condition into the shank portion of the shoe bottom, and securing the rear portions of the welt together in overlapping relation between the overlasted margins of the upper.

11. A shoe comprising an upper, an insole, a shank stiffener, a welt secured to the upper at the forepart of the shoe and having its rear portions extending beneath and held in place by the forward portion of the shank stiffener, and an outsole secured to the welt at the forepart of the shoe and to the upper and insole in the shank part.

15. An insole having a lip extending parallel to the edge of the insole around the forepart forward of the ball line, the end portions of the lip extending obliquely inward relatively to the adjacent portions of the sole edge rearwardly of the ball line but terminating without extending any substantial distance into the shank portion of the insole.

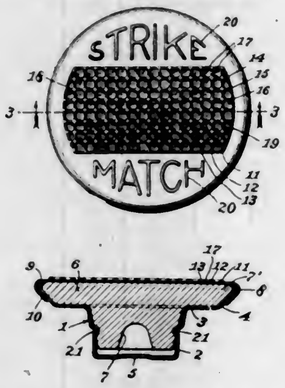
2,072,217
LIFT FOR SADIRONS
Thomas L. Reed, Los Angeles, Calif.
Application April 8, 1935, Serial No. 15,223
18 Claims. (Cl. 38—79)

1. A sad iron having a handle and a lift bodily attachable thereto as a unit and including: a pair of supporting arms disposed longitudinally on opposite sides of the iron and having vertical portions extending over and substantially above the body of the iron, means fixed to an end of and depending from said handle for slidably supporting said vertical portions, and an operating member pivotally supported on said iron at a point adjacent an end at said handle and operatively connected with said arms whereby said operating member will be normally extended above said handle when said arms engage a supporting surface and when depressed will overlie said handle, and means for tensioning said arms and said operating member so as to lift said iron



from a supporting surface, the entire lift being free from engagement with the body of the iron.

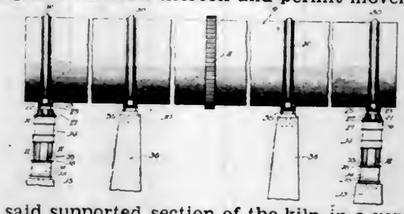
2,072,218
NOVELTY BUTTON
Horace W. Richardson, Tucker, Ga., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application June 7, 1935, Serial No. 25,521
2 Claims. (Cl. 44—48)



1. A tack button including a shell, an anvil fitted therein and adapted to deform the prong of a tack when the latter is driven into said shell, to thereby hold the button in position, a metal cap crimped about the upper edge of said shell, said cap having stamped therein a multiplicity of raised surfaces which intercept and cross each other in a geometrical manner to form a frictional surface on which to strike a match, said raised surfaces extending above the normal plane of the rim of the button.

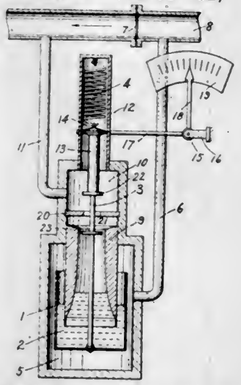
2,072,219
FLEXIBLE SUPPORT FOR ROTARY KILNS
Sidney J. Robison, Chicago, Ill.
Application March 16, 1935, Serial No. 11,490
7 Claims. (Cl. 308—203)

1. A rotary kiln including a cylindrical shell having a plurality of tires thereon, a pair of rollers in engagement with each tire supporting the tire and therefore the kiln for rotation, members mounting certain pairs of rollers for bodily vertical movement, a counter-weight, and means connecting the ends of the counter-weight with said members respectively, whereby said rollers are urged upwardly to yieldingly support the weight of the kiln thereon and permit movement



of said supported section of the kiln in a vertical direction.

2,072,220
FLUID FLOW METER
Alexander Greswolde Seymour Sandison, Kelda, Baltasound, Shetland, Great Britain
Application August 18, 1934, Serial No. 740,511
In Great Britain September 25, 1933
2 Claims. (Cl. 73—31)

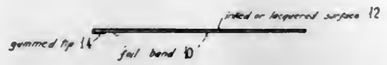


1. In a fluid flow meter of the type wherein the flow is measured by measuring the pressure difference produced by an obstruction in the path of flow, the combination of a chamber subject to the pressure on one side of said obstruction, a movable container located within said chamber and containing a sealing liquid, a second chamber subject to the pressure on the other side of said obstruction, a bell forming an extension of said second chamber and extending into said container and sealed by said sealing liquid, a magnet located in said second chamber, securing means passing through said bell to secure said magnet to said container, a spring located in said second chamber having one end fixed and the other end attached to said magnet to give resilient support to said magnet and container so that said magnet and container may move on change of said pressure difference, an armature movably mounted external to said second chamber registering with and following the movement of said magnet, and means operated by said armature for making known the flow of fluid.

2,072,221
METAL CIGAR BAND
Henry F. Scheetz, Jr., Pittsburgh, Pa., assignor to Fuller Label & Box Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 17, 1936, Serial No. 96,514
5 Claims. (Cl. 40—21)

3. A cigar band consisting of a lamination of non-resilient metallic foil provided on a surface

adjacent one end with remoistening gum, whereby

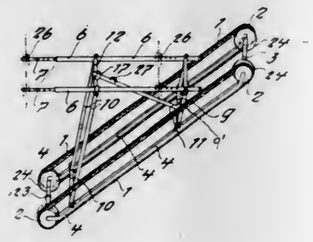


the tendency of the overlapped ends to separate during drying of the gum is minimized.

2,072,222

DEVICE FOR CONVEYING LOADS OVER INCLINED OR STEPPED SURFACES

Richard Arthur Schüttkus, Hamburg, Germany
Application July 20, 1935, Serial No. 32,452
In Germany April 27, 1935
4 Claims. (Cl. 280—29)



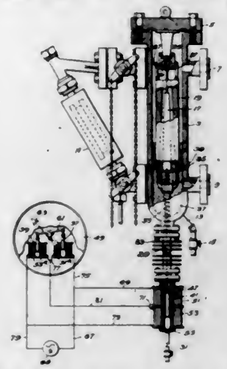
1. In a device for conveying loads over inclined surfaces, a frame, pairs of wheels rotatably mounted in said frame and endless tracks movably carried by said pairs of wheels, a second frame comprising telescopically extensible tubular members, a pair of longer oscillatory links and a pair of shorter oscillatory links, each of said pairs of oscillatory links pivotally attached to each of said frames and rods connecting the links of each pair at their lower and at their upper ends, a locking link pivoted on the rod connecting the lower end of the shorter links and having means to secure its free end to the rod connecting the upper ends of the longer oscillatory links.

2,072,223

LIQUID LEVEL INDICATOR

Robert C. Scott, Cambridge, Mass.
Application October 15, 1931, Serial No. 569,010
3 Claims. (Cl. 177—351)

1. A water level indicating device comprising a water column for connection with a boiler or the like, wherein the water level is subject to a considerable range of fluctuation, having a leg depending from the bottom thereof to provide a dead end, a displacement member received in said column to operate in line with said leg, counteracting displacement means cooperating with said member to produce in said member a resultant differential movement proportional in reduced ratio to changes of liquid level in the column, a core of magnetizable material in said depending leg, connected to said displacement members to be moved at the reduced ratio, and means including a remote indicator for exhibiting the position of said core, comprising an impedance balance having a pair of coils exterior to the depending leg at the location of the core, whereby the movement of the core is substantially less than that of the water level and is

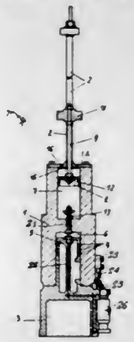


within the effective range of the adjacent coils of the impedance balance.

2,072,224

IMPACT DEVICE

Karl Seidl, Munich, Germany, assignor to Firm Menck & Hambrock G. m. b. H., Altona-Hamburg, Germany
Application January 7, 1935, Serial No. 803
In Germany March 4, 1933
3 Claims. (Cl. 61—76)



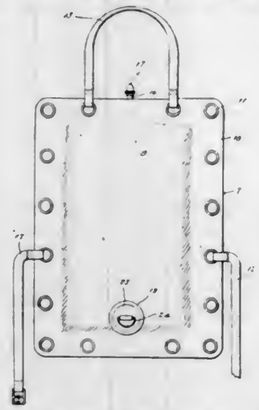
1. An impact device driven by the explosive force of liquid combustibles, the ignition of which is effected by compression thereof, for driving piles, comprising an impact plate adapted to fit on a pile, a piston secured to the upper face of said impact plate, guiding means on the impact plate, a movable ram provided with a cylindrical bore at the lower end thereof and slidably mounted on said guiding means and engageable periodically with said piston to form a combustion chamber, and means for introducing an explosive charge into said chamber.

2,072,225

MULTIPLE PURPOSE RUBBER ACCESSORY

Albert G. Slater, Miles City, Mont.
Application March 11, 1935, Serial No. 10,546
2 Claims. (Cl. 150—2.1)

1. A bag of the class described comprising a resilient body composed of a pair of comparatively thin walls and a marginal flange having a thickened inner portion joined to the walls, with the flange gradually decreasing in thickness outwardly from said thickened portion, a plurality of spaced eyelets passing through the flange and spaced inwardly from the outer edge thereof, said flange being of considerable width, with the eye-



lets spaced outwardly from the thickened portion thereof in a row, said row extending entirely around the flange, and said eyelets being of sufficient diameter to receive straps.

2,072,226

MATERIAL FOR COMBATING PESTS

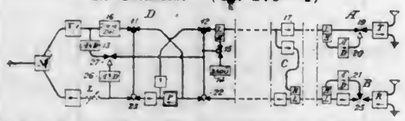
Paul Stricker, Monthey, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 22, 1935, Serial No. 32,636. In Switzerland August 14, 1934
1 Claim. (Cl. 167—35)

A pest-combating agent comprising peat having hydrocyanic acid absorbed thereon.

2,072,227

SIGNALING SYSTEM FOR VOICE AND TELEGRAPH OPERATION

Edmund Randolph Taylor, Mount Vernon, N. Y., and Doren Mitchell, Bound Brook, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application October 18, 1935, Serial No. 45,654
12 Claims. (Cl. 179—4)



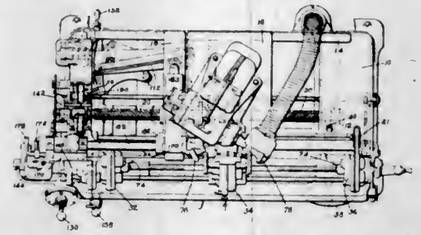
1. In a carrier frequency signaling system adapted for speech signaling operation and telegraph signaling operation with different circuit connections, a transmitting channel and a receiving channel, means whereby during the speech operation one channel is always disabled and the other channel enabled, means at one point for disconnecting the speech source and connecting a source of telegraph signals, and a contact at the same point controlled thereby to rearrange the circuit for telegraph operation.

2,072,228

LAST LATHE

Laurence E. Topham, Wenham, and Clyde L. Knott, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 28, 1934, Serial No. 759,580
20 Claims. (Cl. 142—15)

5. In a copying lathe, a work holder, a model holder, a tool carrier and a model wheel carrier, driving mechanism for effecting relative traversing movements between them in pairs, said driving mechanism comprising a main driving gear member, and a differential gear member operatively located between the main driving gear member and one of the carriers.



14. In a copying lathe, a pivoted model holder, a model wheel carrier pivoted to swing toward and from a model in the model holder in order to effect transverse grading movements, and a transverse grading linkage connecting the holder and the carrier, arranged to effect grading movements of the model wheel in response to movements of the pivoted model holder.

2,072,229

TINNING METHOD AND COMPOSITION THEREFOR

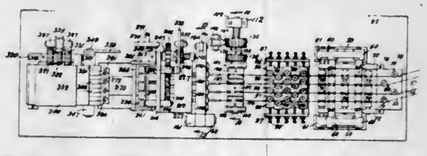
Louie Waitman, Detroit, Mich.
No Drawing. Application April 18, 1934, Serial No. 721,161
4 Claims. (Cl. 91—68.3)

4. The method of tinning a metallic surface consisting in cleaning said surface and rubbing it with an applicator dipped, immediately before use, in a mixture of stannous chloride and potassium borotartrate or acid potassium tartrate and in dry pulverized zinc from a separate receptacle.

2,072,230

METHOD AND APPARATUS FOR MAKING WIRE FRAMES FOR CANDLE HOLDERS

Leo Weiss, Brooklyn, N. Y., assignor of one-twentieth to N. D. Q. Specialty Corporation, Brooklyn, N. Y., a corporation of New York
Application March 8, 1935, Serial No. 9,990
9 Claims. (Cl. 140—71)

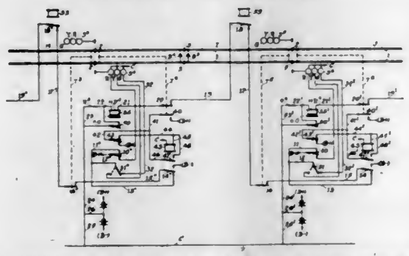


1. In a feeding device for an apparatus the combination of a rotating drum, a shaft parallel to the longitudinal axis of the drum and rotating therewith, discs having circumferential grooves in their end faces fastened to the shaft, pairs of adjustable discs supported on the shaft and having circumferential grooves coacting with the grooves of the other discs, connections between each adjustable disc and one of the other discs, the circumferential surface of the drum adjacent to the circumferential surfaces of the discs and flexible means between the pairs of adjustable discs, the grooves of the discs adapted to grip wires of various diameters to feed them through the feeding device.

2,072,231
ARTIFICIAL TEXTILE MATERIAL
William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 29, 1934, Serial No. 733,000
7 Claims. (Cl. 106—40)

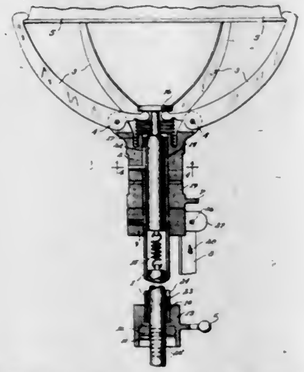
1. In a method of manufacturing products containing organic derivatives of cellulose by processes involving the formation of a solution of an organic derivative of cellulose in a solvent, the step of incorporating in said solution catalytically oxidized oil selected from the group consisting of olive oil, peanut oil, cotton seed oil and castor oil.

2,072,232
SIGNALING SYSTEM FOR RAILROADS
Joseph E. Willing, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 17, 1932, Serial No. 593,549
12 Claims. (Cl. 246—41)



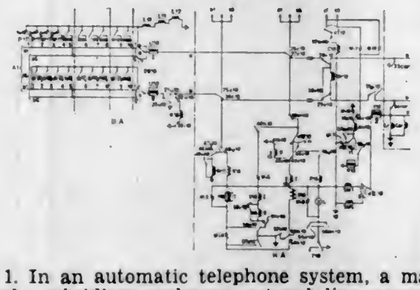
5. In combination, in an A. P. B. system employing light signals, at each location, a home-distant relay having an energizing circuit controlled in accordance with traffic, a directional stick relay energized in accordance with traffic and through a contact of the home-distant relay, and current limiting means in the energizing circuit for the home-distant relay to make it slow to pick up.

2,072,233
DISCONNECTER
Wesley Wilson, Chicago, Ill.
Application June 6, 1934, Serial No. 729,206
5 Claims. (Cl. 294—20)



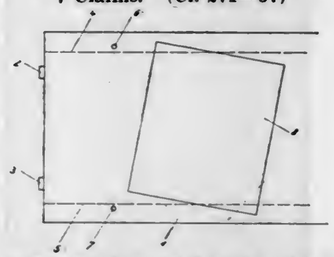
1. A fixture disconnecter comprising a pole, fixture gripping means mounted on the upper end of the pole, means for closing the gripping means on the fixture and retaining the gripping means in gripping position comprising manually operable means carried by the pole adjacent the lower end thereof, means for transmitting manually exerted force from said manually operable means simultaneously with the exertion of said force for closing the gripping means and for retaining the gripping means in closed position when said manual exertion is discontinued, and means for releasing the gripping means from the fixture against the action of said retaining means comprising manually operable means carried by the pole adjacent the fixture gripping means.

2,072,234
TELEPHONE METERING SYSTEM
Eduard Wochinger, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application July 15, 1935, Serial No. 31,355
In France July 26, 1934
13 Claims. (Cl. 179—9)



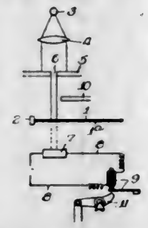
1. In an automatic telephone system, a main and a subsidiary exchange, a trunk line connecting said exchanges together, means controlled by a calling subscriber in the subsidiary exchange for establishing a connection over said trunk line with a subscriber in the main exchange, a meter at the main exchange individual to said calling subsidiary subscriber, means for operating said meter responsive to the calling subscriber replacing his receiver to terminate the established connection, a relay at the main exchange, and means controlled by said relay for maintaining said connection established during the operation of said meter.

2,072,235
METHOD OF AND MEANS FOR DETECTING MISFED SHEETS
Arthur Wormser, Offenbach, near Frankfort-on-the-Main, Germany
Application February 18, 1935, Serial No. 6,949
In Germany March 1, 1934
7 Claims. (Cl. 271—57)



1. In sheet feeding mechanism, the combination of sheet registering means, and sheet detecting means offset from the normal lateral limit of the side edges of fed sheets.

2,072,236
SHEET DETECTOR
Arthur Wormser, Offenbach, near Frankfort-on-the-Main, Germany
Application December 26, 1935, Serial No. 56,186
In Germany October 7, 1933
7 Claims. (Cl. 271—57)



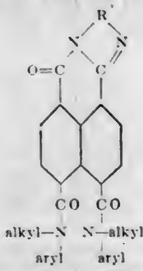
1. Sheet detecting means, having in combination a source of light arranged to direct a beam of rays through one or more sheets of material, a light sensitive element adapted to be energized by rays of light penetrating through a predetermined plurality of sheets for the purpose of interrupting the advance of sheets in the event that more than said predetermined plurality of sheets pass said beam of rays simultaneously.

2,072,237
MANUFACTURE OF AROMATIC CARBOXYLIC DERIVATIVES
Max Wyler and Arnold Kershaw, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 4, 1935, Serial No. 454. In Great Britain January 5, 1934
15 Claims. (Cl. 260—108)

1. Process for the manufacture of carboxylic derivatives which comprises condensing a polycyclic aromatic compound capable of being condensed with acid chlorides by the Friedel-Crafts reaction, with an alkylarylurea chloride in the presence of an aluminium halide condensing agent.

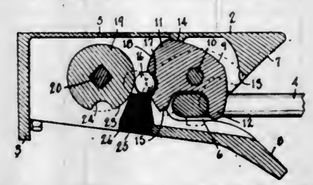
2,072,238
MANUFACTURE OF NAPHTHALENE DERIVATIVES
Max Wyler and Arnold Kershaw, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 2, 1935, Serial No. 34,452. In Great Britain August 8, 1934
4 Claims. (Cl. 260—44)

3. Compounds of the following general formula:



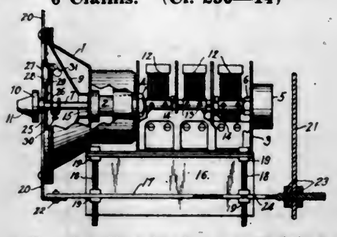
wherein R represents an arylene radical of the benzene and naphthalene series, and wherein the aryl radicals are of the benzene and naphthalene series.

2,072,239
TRUCK AND TRAILER COUPLING
Werner Zeindler, Albion, Mich., assignor to Service Caster & Truck Company, Albion, Mich.
Application January 20, 1936, Serial No. 59,828
16 Claims. (Cl. 280—33.15)



16. In a coupling, the combination of a head member, a coupling hook, a translatable detent acting when engaged to hold said coupling hook in coupling position, a keeper operatively associated with said detent to receive the same when in one position and when in another position to retain the detent in engagement with said hook, said hook when in disengaged position acting to hold said detent in engagement with said keeper, and means supporting said detent for bodily translation between the keeper and hook.

2,072,240
RADIO CIRCUIT ACTUATING DEVICE
Charley Jacob Zigler, Chicago, Ill.; Millard K. Zigler, administrator of said Charley Jacob Zigler, deceased, assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 13, 1932, Serial No. 622,269
6 Claims. (Cl. 250—14)

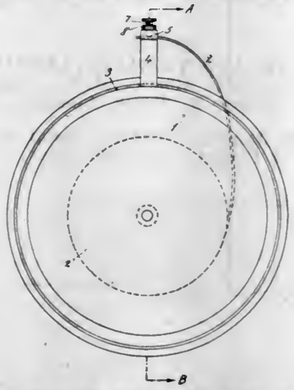


1. A radio circuit actuator, comprising a radio loud speaker having a field magnet, said field magnet having an aperture, a circuit tuning condenser, an electric circuit switch, a circuit volume control, said condenser, switch and volume control members having concentric operating shafts, said shafts aligned to pass through said aperture in said radio loud speaker field magnet aperture.

2,072,241
MEANS FOR CARRYING COILS OF WIRE OR TAPE-SHAPED BODIES
Semi Begun, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application June 6, 1935, Serial No. 25,355
In Germany July 5, 1934
4 Claims. (Cl. 206—53)

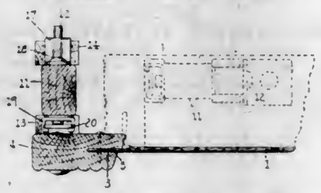
1. A device for fixing a resilient wire coiled on a rigid spool, which comprises a spring clip

adapted to be clamped to the outside of the spool and displaceable around the circumference thereof, and wire holding means including a clamp-



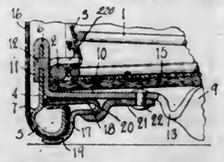
ing screw through which the wire is displaceable and in which the wire may be fixed by said clamping screw.

2,072,242
TABLE AND METHOD OF MANUFACTURING SAME
John W. Beiger, Ludington, Mich.
Application May 27, 1935, Serial No. 23,595
7 Claims. (Cl. 311—106)



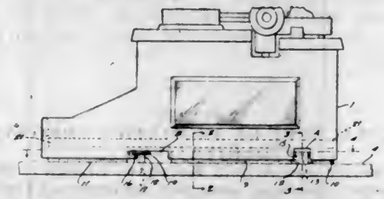
7. The method of making a table, consisting in forming a side rail for each side with a longitudinal kerf in the top of the rail, forming a table top with projecting flexible extensions at each of its four sides with the corners cut away, assembling the side rails with the top extensions by inserting the extensions in the kerfs of the side rails, securing the extensions in place, folding the side rails to the under side of the table top, and securing the same together.

2,072,243
SPRING STRUCTURE
William A. Clark, Detroit, Mich., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich.
Application September 17, 1934, Serial No. 744,295
9 Claims. (Cl. 155—180)



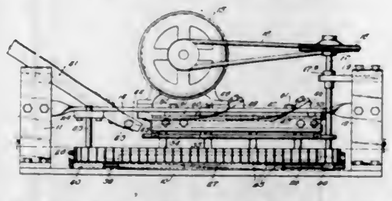
2. In a spring cushion structure, the combination of a border frame having a bottom portion of channel section facing upwardly and an upright web portion, cross bars secured to the top portion of the border frame, a body spring unit arranged above said cross bars, upholstery having its edge disposed around the bottom portion of said border frame and over the edge of the inner arm thereof, a clamping strip of U-cross section, the edge of the upholstery being folded around the upper arm of the clamping strip which is disposed above the inner arm of the border frame, the upholstery being held thereby in binding engagement with the upper edge of the inner arm and the web portion of the border frame and the cross bars, the lower arm of the binding strip clamping the upholstery upon the inner side and bottom of the bottom portion of the border frame and constituting a wear member for the structure, and means securing the clamping strip in clamping engagement with the upholstery.

2,072,244
DEADENING MEANS FOR OFFICE MACHINES AND LIKE SHOCK AND NOISE GENERATING UNITS
Walter L. Coursen, New Rochelle, N. Y.
Application December 28, 1934, Serial No. 759,465
6 Claims. (Cl. 248—22)



6. A mounting for a mechanical unit that emits both air-borne vibrations and vibrations in the structure thereof, comprising a supporting frame for said unit having recesses in its lower side adjacent opposite edges and a central recess in its upper side, a mass of incompressible, elastic, compliant solid positioned in each of said recesses at the lower side of said frame and protruding therefrom to support the frame on a base structure, said incompressible, elastic, compliant solid having high internal energy losses whereby it is so slowed down in rebound as to deaden vibrations and shocks transmitted thereto by said frame, and an expanse of material of good sound-absorbing qualities positioned in said upper, central recess for intercepting air-borne vibrations.

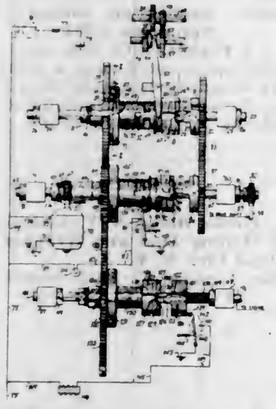
2,072,245
BOTTLE CAPPING MACHINE
William R. Cuthbert and Paul Mundell, Fort Madison, Iowa, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application August 14, 1933, Serial No. 685,012
16 Claims. (Cl. 226—88)



1. In a device for capping bottles or other containers provided with threads at the openings thereof for engagement with threaded caps,

means for positioning said caps on said bottles for threaded engagement, frictional means for holding said caps against rotation, and frictional means for rotating said bottles to provide relative movement of said caps and bottles when engaged in a direction to tighten said caps.

2,072,246
SPEED RESPONSIVE CONTROL MECHANISM
Henry S. Davis, West Haven, Conn.
Application September 4, 1935, Serial No. 39,118
14 Claims. (Cl. 264—9)



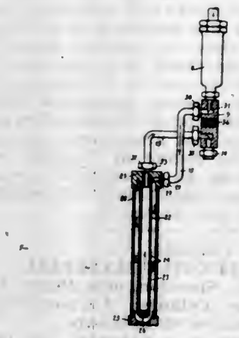
1. A speed-responsive control-device including in combination: two coacting rotary control-units, one at least of which is axially movable toward and away from the other; driving-means serving to rotate the said control-units but at varying relative speeds; one of the said control-units being provided with a cam-surface and the other control-unit being provided with a portion coacting with the said cam-surface and serving in conjunction therewith, when the speed of one control-unit exceeds that of the other, to effect the axial movement of one of the said control-units with respect to the other; means controlled by the relative rotary movement between the two said control-units and serving to render the cam-surface of one of said control-units continuously ineffective during a series of complete revolutions of one control-unit with respect to the other; and a controlled-device operatively associated with the axially-movable control-unit for being actuated by the axial movement thereof.

2,072,247
PROCESS FOR THE PRODUCTION OF METHYLAMINE
Henry Dreyfus, London, England
No Drawing. Application February 11, 1933, Serial No. 656,365. In Great Britain March 9, 1932
13 Claims. (Cl. 260—127)

1. Process for the manufacture of methylamine which comprises subjecting a mixture of hydrogen and hydrogen cyanide to reaction in the vapor phase in presence of a cyanide of a hydrogenating metal.

2. Process for the manufacture of methylamine which comprises subjecting a mixture of hydrogen and hydrogen cyanide to reaction in the vapor phase in presence of a cyanide of a hydrogenating metal and a cyanide of a metal at least as electro-positive as calcium.

2,072,248
PRODUCTION OF ARTIFICIAL FILAMENTS AND LIKE MATERIALS
Henry Dreyfus, London, England
Application May 18, 1934, Serial No. 726,275
In Great Britain May 24, 1933
7 Claims. (Cl. 18—8)



1. Apparatus for the production of extruded artificial materials by the evaporative method comprising a spinning chamber, means in said chamber for heating evaporative medium in said chamber, a spinning jet for the extrusion of a spinning solution into such evaporative medium, and a filter member connected in series before said jet, and disposed in a position removed from the neighbourhood of said jet, and in the neighbourhood of said heating means.

2,072,249
MANUFACTURE OF CELLULOSE DERIVATIVES
Henry Dreyfus, London, England
No Drawing. Application May 22, 1934, Serial No. 726,953. In Great Britain May 26, 1933
11 Claims. (Cl. 260—101)

1. In a process for the manufacture of an organic ester of cellulose with the aid of an organic acid anhydride the steps of pretreating cellulose with a medium comprising a lower fatty acid and a small proportion of a strong mineral acid, at least partially neutralizing the mineral acid and admixing the pretreated cellulose with the said anhydride under such conditions that no substantial rise in temperature occurs, and proceeding with the esterification process in the presence of a catalyst comprising said mineral acid.

2,072,250
TREATMENT OF FILAMENTS, FILMS, AND SIMILAR MATERIALS CONTAINING ORGANIC DERIVATIVES OF CELLULOSE
Henry Dreyfus, London, England
No Drawing. Application March 14, 1935, Serial No. 11,077. In Great Britain March 20, 1934
8 Claims. (Cl. 8—20)

1. In a process for stretching artificial filaments, threads, yarns, foils, films and similar materials containing organic derivatives of cellulose, the step of swelling the materials by treatment at above room temperature with a water-insoluble organic compound which, at room temperature, has no substantial swelling action thereon.

2,072,251

MANUFACTURE OR TREATMENT OF ARTIFICIAL MATERIALS

Henry Dreyfus, London, England

No Drawing. Application March 14, 1935, Serial No. 11,079. In Great Britain March 28, 1934
4 Claims. (Cl. 8—20)

1. Process for the treatment of artificial filaments, yarns, films and similar materials containing organic derivatives of cellulose, which comprises subjecting the materials to a stretching operation while they are softened under the influence of a medium which is at super-atmospheric pressure and consists of an organic softening agent for the cellulose derivative diluted with a diluent which has no softening action upon the cellulose derivative at atmospheric pressure and temperature, the degree of dilution being such that the mixture at atmospheric pressure and temperature has substantially no softening action upon the cellulose derivative.

2,072,252

COLORING TEXTILE MATERIAL

George Holland Ellis, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 25, 1933, Serial No. 658,670. In Great Britain March 12, 1932
8 Claims. (Cl. 8—5)

1. Process for the production of colorations on materials comprising an organic derivative of cellulose, comprising applying in substance to the materials compounds having the general formula

$$R_1—N=N—R_2—N=N—R_3OH$$

in which R_1, R_2 and R_3 are residues of the benzene series each containing a single benzene nucleus, the azo groups being the sole chromophores and the hydroxyl group the sole salt-forming auxochrome, said compounds being free from carboxylic and sulphonic acid groupings.

2,072,253

TREATMENT OF TEXTILE MATERIALS MADE OF OR CONTAINING CELLULOSE ESTERS

George Holland Ellis and Alexander James Wesson, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application May 19, 1933, Serial No. 671,826. In Great Britain June 4, 1932
12 Claims. (Cl. 8—20)

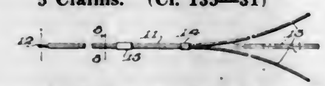
1. Process for increasing the resistance to heat of materials containing cellulose esters, which comprises subjecting the cellulose ester to surface saponification and incorporating, in the saponified surface layer under such conditions that swelling of the cellulose ester part of the material is avoided, a substance which is solid at the highest temperature at which cellulose may be ironed without substantial scorching.

2,072,254

UMBRELLA FRAME

Wayne S. Evans, Philadelphia, Pa., assignor to S. W. Evans & Son, Philadelphia, Pa., a corporation of Pennsylvania

Application June 19, 1935, Serial No. 27,333
5 Claims. (Cl. 135—31)



1. An umbrella rib, comprising a plurality of initially flexible wire elements, secured together throughout a portion of their common extent, to provide a relatively rigid primary section and a plurality of relatively flexible terminal sections.

2,072,255

METHOD OF MANUFACTURING RUBBER CHLORIDE

Erich Gebauer-Fuelnegg, deceased, late of Evanston, Ill., by Marie Gebauer-Fuelnegg, Evanston, Ill., administratrix, and Eugene W. Moffett, Gary, Ind., assignors, by mesne assignments, to Marbo Patents, Inc., a corporation of Delaware

No Drawing. Application January 28, 1935, Serial No. 3,804
3 Claims. (Cl. 260—1)

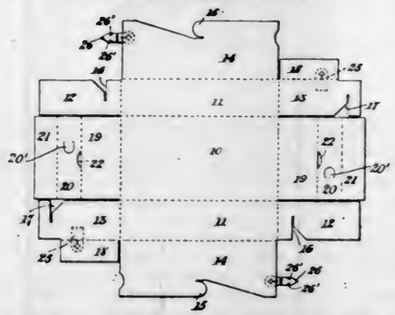
1. In a process for producing a compound of a polymerized butadiene body and chlorine, the step of reacting the polymerized butadiene body with liquid chlorine at a temperature not above —33.6° C.

2,072,256

CARTON

Herman L. Greve, Hollis, N. Y., assignor to International Mailing Tube and Wrapper Company, Long Island City, N. Y.

Application January 17, 1935, Serial No. 2,229
5 Claims. (Cl. 229—47)



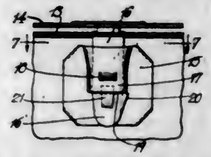
1. A box or carton of the character described comprising a bottom portion, a cover portion, and walls extending between said portions, one of said walls comprising a plurality of layers, the outer of said layers extending inwardly under said cover portion, a lock located between said layers, and means carried by the cover and extending thru the inwardly extending part of said outer layer and between said layers for engagement with said lock.

2,072,257

LOCK FOR CARTONS

Herman L. Greve, Hollis, N. Y., assignor to International Mailing Tube and Wrapper Company, Long Island City, N. Y., a corporation

Application April 9, 1936, Serial No. 73,403
5 Claims. (Cl. 292—91)



3. A lock comprising a body portion of thin resilient material comprising an offset portion provided with a slot and having an indent which extends inwardly from the outer surface thereof to serve as an abutment, and a latch portion formed with a tongue of less width than the length of the slot and having a lip which extends beyond the end of said slot, and also having an offset portion the upper end of which is located on a plane above the lip and is adapted to abut the lower end of said indent when the lip is in abutment with the edge of said slot.

2,072,258

METHOD OF PURIFYING GONADOTROPIC HORMONAL SUBSTANCES

Edwin L. Gustus, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich.

No Drawing. Application April 29, 1935, Serial No. 18,917
5 Claims. (Cl. 167—74)

1. The method of preparing for parenteral injection the gonadotropic hormonal substances occurring in the blood or uterine tissue of animals of the equine group during early pregnancy comprising diluting blood plasma or serum made from the blood of an animal of the equine group during early pregnancy with from 5 to 9 times its volume of water, adjusting the pH of the diluted plasma to from approximately 2 to approximately 4.5, separating the hormonal substances from the diluted plasma by adding thereto aluminum hydroxide having from 17% to 38% of bound water to adsorb the hormonal substances, separating the aluminum hydroxide with the adsorbed hormonal substances, and separting the hormonal substances from the aluminum hydroxide.

2,072,259

ANTHRAQUINONE DYESTUFFS

Norman Hulton Haddock, Frank Lodge, and Colin Henry Lumsden, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 11, 1935, Serial No. 49,323. In Great Britain November 14, 1934
3 Claims. (Cl. 260—59)

1. A compound of the group consisting of 1,4-diaminoanthraquinone and its sulfonation products, which carries in the 2-position a group of the class consisting of alkylphenoxy, alkoxyphenoxy, alkylthiolphenoxy, alkylphenylthiol, alkoxyphenylthiol or alkylthiolphenylthiol and which carries in the 3-position a substituent of the class consisting of those mentioned above and alkylthiol, in which the alkyl groups in all cases contain from 4 to 7 carbon atoms.

2,072,260

CHEMICAL STABILIZATION OF CELLULOSE ESTERS

Clifford I. Haney, Drummondville, Quebec, Canada, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application September 29, 1934, Serial No. 746,262
15 Claims. (Cl. 260—102)

1. Process for stabilizing organic acid esters of cellulose which have been prepared by esterification in the presence of a sulphur-containing catalyst, which comprises intimately mixing the ester with a liquid medium comprising a substantial proportion of a solvent for the cellulose ester, and precipitating in the medium a water-insoluble salt of basic character.

2,072,261

ESTERIFICATION OF CELLULOSE

Clifford I. Haney, Drummondville, Quebec, Canada, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application September 29, 1934, Serial No. 746,263
8 Claims. (Cl. 260—101)

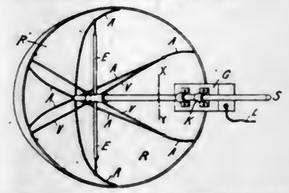
1. A method of producing a stable cellulose ester of an organic acid, which comprises esterifying cellulose in the presence of less than 10% of a sulphur-containing catalyst, together with 2% to 15% of a halogen-containing inorganic acid, the catalyst and the halogen-containing inorganic acid being present throughout the esterification, said ester requiring no stabilization step.

2,072,262

REFLECTING STRUCTURE FOR ELECTRIC WAVES

Robert Herzog, Berlin, and Walter Max Hahnemann, Berlin-Marienfelde, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany

Application February 2, 1933, Serial No. 654,848
In Germany February 8, 1932
9 Claims. (Cl. 250—11)



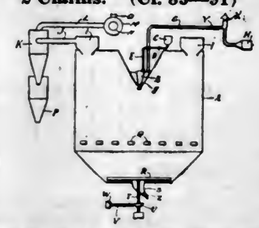
1. A reflecting structure for short electric waves comprising a foldable reflecting member and a collapsible framework on which said foldable member is mounted so that the collapsing of the framework folds up said member.

2,072,263

PROCESS AND APPARATUS FOR PRODUCING COMMINUTED SULPHUR

Arthur B. Jones, New York, N. Y., assignor to Industrial Associates, Inc., New York, N. Y., a corporation of New York

Application January 13, 1933, Serial No. 651,512
2 Claims. (Cl. 83—91)



1. An apparatus of the class described comprising a chamber having inlet ports in its lower portion, a centrifugal sprayer in the upper portion of said chamber, a casing surrounding the major portion of said sprayer, means for supplying molten material to said sprayer, means for supplying hot gases to said casing, and exhaust means connected to the upper portion of said chamber and including a duct surrounding said casing.

2. The process of preparing sulphur and like material in comminuted form which comprises centrifugally spraying molten material, passing

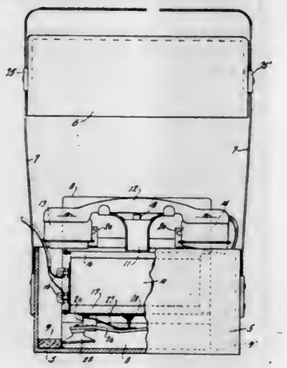
the sprayed particles into contact with hot gas in a first zone surrounding said spray source and then into contact with cool gas in a second zone surrounding said first zone, continuously supplying hot gas to said first zone to maintain said zone substantially at the melting temperature of said material, continuously supplying cool gas to said second zone to maintain said zone at the solidifying temperature of said material and continuously withdrawing gas simultaneously from both zones thereby maintaining each zone at substantially constant temperature.

2,072,264

COMBINED FIELD TELEPHONE AND TELEGRAPH ASSEMBLY

Harry H. Ide, La Grange, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application January 29, 1934, Serial No. 708,786
7 Claims. (Cl. 179—4)



1. In a combined telephone and telegraph assembly, a telegraphing key, telephone circuits and telegraph circuits, means for pivoting said key for oscillation through one plane, contacts controlled by said key when moved in one plane to control said telegraphic circuit, means for pivotally securing said key to enable its movement in another plane, and contacts controlled by said key when moved in said other plane for modifying said telephone and telegraph control circuits.

2,072,265

MANUFACTURE OR TREATMENT OF TEXTILE AND OTHER MATERIALS

Edgar Bertie Johnson and Robert Pierce Roberts, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application January 23, 1934, Serial No. 707,929. In Great Britain February 8, 1933
13 Claims. (Cl. 18—54)

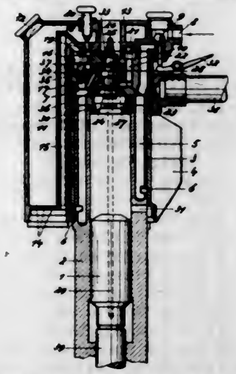
1. Method of producing filaments, threads, yarns, fabrics and other materials, comprising an organic derivative of cellulose, of low lustre, which comprises subjecting such materials, while containing an oleaginous substance and in a substantially dry condition, to the action of heat until a loss of lustre occurs at least after standing the heat treatment being insufficient to vaporize the oleaginous substance from the materials.

2,072,266

PERCUSSIVE TOOL DRIVEN BY AN INTERNAL COMBUSTION ENGINE

Max Kiecksee, Wilmersdorf, Berlin, Germany, assignor to Knorr-Bremse Aktiengesellschaft, Lichtenberg, Berlin, Germany, a joint-stock company of Germany

Application August 3, 1934, Serial No. 738,195
In Austria July 5, 1934
12 Claims. (Cl. 123—7)



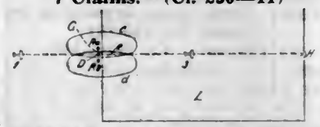
1. A hammer motor of the character described, comprising the combination, with a cylinder having a bore and a working piston reciprocable in said bore, of a valve casing mounted on said cylinder and having a valve chest, channel means in the walls of the cylinder providing communications from the forward and rear ends of the cylinder to the valve chest, fuel channel means in the valve casing for connecting the valve chest with a liquid fuel supply, an exhaust port in said casing, gas channel means communicating with said valve chest and opening into the same for conducting elastic pressure medium containing oxygen to said valve chest from a compressed gas supply, further channel means communicating with said exhaust port and thereby with the atmosphere, operable control means interposed in the gas channel means serving to control admission of pressure medium into said valve chest, a piston valve reciprocable in and occupying said valve chest, said valve piston having a surface portion receiving pressure medium from said gas channel means so as to move said piston valve in one direction, and a plurality of distinct means upon said valve piston serving as closure means individually supervising the communications of all of the channel means with the valve chest.

2,072,267

SYSTEM FOR LANDING AIRCRAFT

Ernst Kramar, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application August 12, 1933, Serial No. 684,790
In Germany September 22, 1932
7 Claims. (Cl. 250—11)



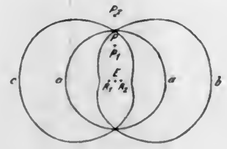
1. In a system for landing aircraft by means of electromagnetic waves, the combination of a transmitter of electromagnetic waves including an antenna operable with vertical polarization positioned on the line above which landing should be commenced, and means co-operating with said transmitter to cause said antenna to so emit waves as to produce two distinguishable signal indicating conditions, one being an elongated zone of equal field intensity thereby to indicate to the pilot of the aircraft the direction in which landing thereof should be effected, and the other serving to indicate to said pilot when the aircraft arrives at the point in space from which landing should be commenced.

2,072,268

TRANSMITTER FOR ELECTROMAGNETIC WAVES

Ernst Kramar, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application April 2, 1935, Serial No. 14,212
In Germany April 6, 1934
1 Claim. (Cl. 250—11)



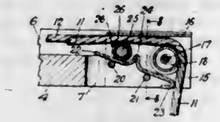
A radio transmitting arrangement comprising, a main antenna, a high frequency generator coupled thereto, a reflecting antenna on either side of said main antenna and so disposed with respect thereto as to produce a zone common to the radiations reflected from said reflecting antennae, means for rendering said reflecting antennae alternately effective and ineffective so that one is ineffective whilst the other is effective to reflect the radiations from said main antenna thereby to produce in said zone a field of equal intensity, said reflecting antennae being in such relation to said main antenna that in a desired direction from the main antenna through said zone the amplitude of the wave radiated from the main antenna when assisted by either of the reflecting antennae is equal to the amplitude of the radiation in said direction from the main antenna acting alone.

2,072,269

LATCH

Henry J. Mackin, Kankakee, Ill.

Application January 10, 1936, Serial No. 58,451
14 Claims. (Cl. 156—17)



1. In a fastener, a housing, a cord guiding part, a loosely mounted locking member positioned within said housing, a setter member, adapted to be moved bodily to carry the locking member into cord-engaging position, and a cord portion extending through said housing, engaging said guide, said cord portion moving said setter into position to move said locking member into position to engage said cord.

2,072,270

METHOD OF MAKING ORGANIC ESTERS OF CELLULOSE

Herbert E. Martin, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application January 13, 1934, Serial No. 706,537
12 Claims. (Cl. 260—101)

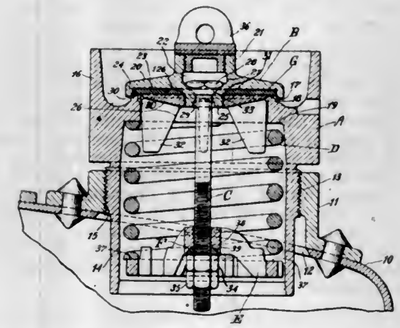
1. The process of preparing cellulose esters comprising esterifying cellulose by means of an esterifying agent in the presence of an organic acid and a catalyst, adding thereto a neutralizing agent for the catalyst and an organic non-solvent liquid and subjecting the resulting mixture to distillation to remove the organic acid and the organic non-solvent liquid from the cellulose ester.

2,072,271

SAFETY VALVE

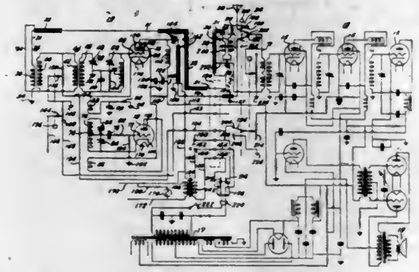
Claude C. Meadows, Tulsa, Okla.

Application December 22, 1932, Serial No. 648,376
1 Claim. (Cl. 137—53)



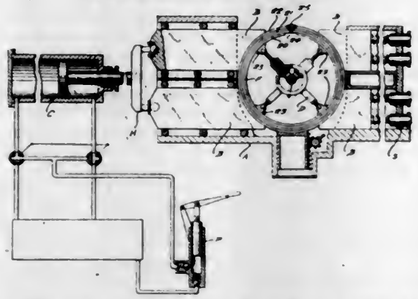
In a safety valve, the combination with a valve casing provided with a valve opening; of a ringlike upstanding flange surrounding said valve opening, said flange having a flat upper surface forming a valve seat member, said casing also having an interior spring abutment shoulder; a valve head having a depending annular flange, said flange being of greater external diameter than said upstanding flange of the casing; a central depending boss on said valve head, said boss being threaded and having a central opening therethrough; a ringlike gasket seated on said valve head between said boss and said depending flange, said gasket having a flat bottom surface inset with respect to the lower edge of said depending flange; a clamping ring threaded on said boss, and in clamping engagement with said gasket, said ring having the periphery thereof spaced from the inner edge of the depending flange of the head and also spaced from the upstanding flange of the casing, the portion of said gasket between said ring and said depending flange being normally seated on said flat valve seat; a valve stem swiveled at its upper end to said head; a bearing ring anchored to the lower end of said stem; a spring follower swiveled on said bearing ring; and a spring interposed between the spring follower and the abutment shoulder of said casing.

2,072,272
RADIO RECEIVING SYSTEM
Harry J. Nichols, Henry C. Forbes, and Walter S. Harmon, Dayton, and Homer J. Loftis, Ironton, Ohio, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 4, 1932, Serial No. 596,732
6 Claims. (Cl. 250—20)



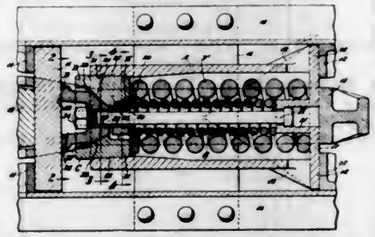
1. A system for receiving broadcast signals transmitted within a band of frequencies, said system including a radio receiver having an antenna, said receiver having a selective input resonant to a frequency below the broadcast range, a remote control unit, means for transmitting all of the incoming signals received by the antenna to the remote control unit, said means comprising a transmission line electrically connected between the antenna and the remote control unit through means acting to match substantially the impedance of the antenna to the impedance of the line in the vicinity of one end of the band of frequencies to be received, means at the remote control unit for selecting a predetermined signal for amplification, a device in the remote control unit for changing the frequency of the selected signal to a fixed frequency equal to said first frequency, and means for transmitting the fixed frequency signal to the radio receiver, whereby the radio receiver amplifies such predetermined fixed frequency.

2,072,273
PRESSURE VESSEL SHELL AND METHOD OF FORMING THE SAME
Casin W. Obert, Mount Vernon, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application April 26, 1933, Serial No. 667,982
19 Claims. (Cl. 29—148.2)



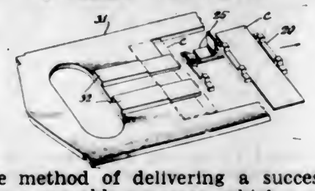
1. The method of making a pressure vessel shell which comprises forming a plurality of metal sheets; superimposing one sheet upon the other; applying substantially uniform pressure both externally and internally of the superimposed sheets to hold them tightly together; and joining the sheets together along their respective seams while such pressure is maintained.

2,072,274
FRICTION SHOCK ABSORBING MECHANISM
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application June 12, 1936, Serial No. 84,921
12 Claims. (Cl. 213—32)



5. In a friction shock absorbing mechanism, the combination with a friction casing having interior friction surfaces extending lengthwise thereof; of a plurality of friction shoes slidable lengthwise on said surfaces; a wedge block having wedging engagement with said shoes, the wedging engagement between said wedge and certain of said shoes being at an angle which is blunter than the angle of engagement between said wedge and the remaining shoes; spring means opposing inward movement of said remaining shoes; and additional spring means yieldingly opposing inward movement of said shoes which have engagement with the wedge at said blunter angle.

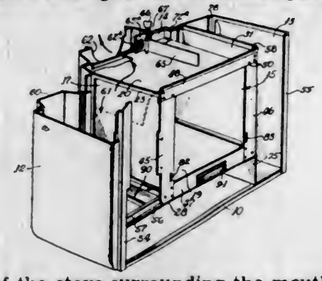
2,072,275
METHOD OF AND MEANS FOR FEEDING ARTICLES
Joseph Peyser, Mount Vernon, N. Y.
Original application March 15, 1935, Serial No. 11,269. Divided and this application November 5, 1935, Serial No. 48,280
3 Claims. (Cl. 271—9)



1. The method of delivering a succession of blanks to a movable conveyer, which consists in simultaneously delivering a first and a fourth blank to said conveyer; in advancing said conveyer a distance equal to two adjacent blank spaces; and in continuing to simultaneously deliver a first and a fourth blank to said conveyer every time said conveyer has advanced two adjacent blank spaces.

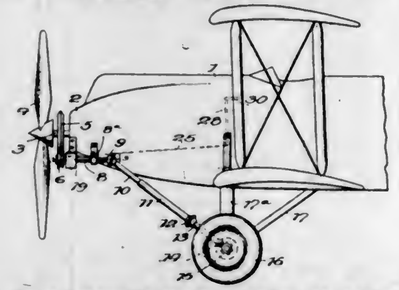
2,072,276
COOKING STOVE
George E. Pickup, Newark, Ohio, assignor, by mesne assignments, to Florence-Wehrle Stove Co., Newark, Ohio, a corporation of Ohio
Application June 11, 1934, Serial No. 729,966
5 Claims. (Cl. 126—1)

5. In a stove construction, comprising, in combination, an oven including spaced side walls and top and bottom walls connected in sealed relation, the front margins of said side and bottom walls having flanges formed integrally thereon extending laterally in substantially the same plane and serving as a substantial part of the



front of the stove surrounding the mouth of the oven, each of said flanges on said side walls having an aperture therein adjacent its lower end, and an oven door supported by the flange on said lower wall and having parts extending into said apertures.

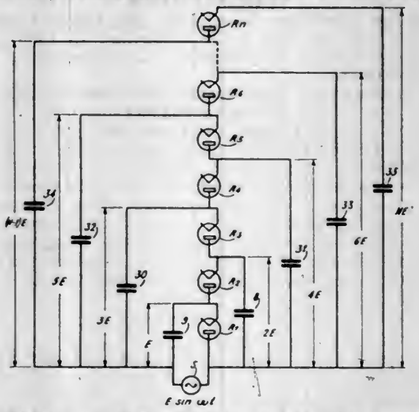
2,072,277
AEROPLANE
Charles Nelson Pogue, Norwood, Winnipeg, Manitoba, Canada
Application March 2, 1935, Serial No. 9,090
2 Claims. (Cl. 244—50)



1. In an aeroplane, a propeller, a source of power, a propeller shaft for transmitting power from said source of power to said propeller, a driving gear driven from said propeller shaft, a pair of driveable gears, a driving and mounting shaft for each of said driveable gears, means for transmitting power from each of said driving and mounting shafts to one of the ground-engaging elements, and means operable by the pilot for bodily shifting said driving and mounting shafts independently of one another for causing either or both of said driveable gears to be brought into driving engagement with said driving gear, whereby either or both of said ground-engaging elements may be driven simultaneously with the propeller.

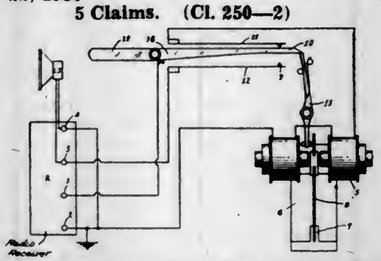
2,072,278
VOLTAGE MULTIPLIER CIRCUIT
Otto H. Schade, West Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 9, 1933, Serial No. 670,069
8 Claims. (Cl. 250—27)

1. In combination, a voltage multiplier circuit comprising, a direct current closed path including a plurality of rectifiers and a load circuit in series, a source of alternating current, a circuit including one of said rectifiers and a condenser in series across said source, means for alternately energizing said circuit for causing a current to flow through said rectifier thereby producing a potential difference across said condenser which is approximately equal to the potential of said source, a second condenser connected across said load, a series circuit comprising said two condensers and the other of said rectifiers connected across said source and means for periodically impressing said source potential and the potential difference across the first named



condenser in aiding phase across the second named condenser whereby the potential difference developed across the second named condenser is approximately equal to twice the source potential, said load including at least one space discharge device provided with an indirectly heated cathode, a heater circuit for said cathode connected to said source and means for maintaining the cathode of said space discharge device at substantially the same alternating current potential as the heater circuit thereof.

2,072,279
OPERATION OF RADIO BROADCAST STATIONS
Paul Scharrer, Staaken, near Spandau, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application December 15, 1931, Serial No. 581,167. Renewed June 15, 1935. In Germany December 22, 1930
5 Claims. (Cl. 250—2)



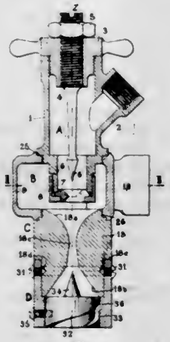
1. In a radio communication system wherein just prior to the beginning of the transmission of each particular program from a transmitter a characteristic signal is transmitted, a receiver including a translating device, a relay, means for connecting said relay across the output of the receiver comprising a settable double throw switch adapted to be manually set to render the

translating device inoperative and the relay in condition to be operated by the incoming characteristic signal, and means responsive to the receipt of the characteristic signal for tripping said switch thereby disconnecting said relay from said output and rendering the translating device operative.

2,072,280
SHEET MATERIAL AND METHOD OF MAKING SAME
George Schneider, Montclair, and Bjorn Andersen, Maplewood, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 16, 1934, Serial No. 753,302
5 Claims. (Cl. 18—48)

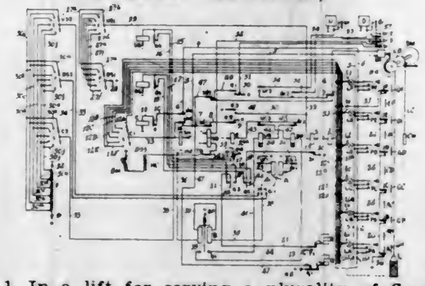
1. In the method of preparing articles of thermoplastic compositions, containing derivatives of cellulose, wherein the composition is subjected to heat and pressure to convert same, the steps of applying a temperature higher than that required for conversion to raise the temperature of the interior of the mass and reducing the applied temperature to that required for conversion.

2,072,281
MIXING AND ATOMIZING APPARATUS FOR HYDROCARBONS AND OTHER FLUID MATERIALS
Raymond Félix Simonin, Dijon, France, assignor to Societe d'Etudes des Procedes Simonin, Dijon, France
Application September 23, 1936, Serial No. 102,136
In France October 17, 1935
10 Claims. (Cl. 299—114)



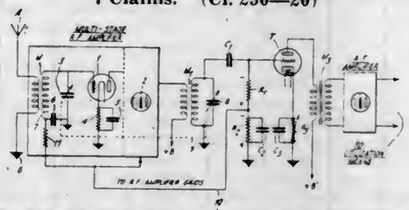
1. In a mixing and atomizing apparatus for hydrocarbons and other fluid materials, the combination of a hollow body, a connecting branch for the admission of a driving fluid on said hollow body and opening in the same, a washer, having a calibrated hole, on this hollow body, for the issue of said driving fluid, an annular hollow body adapted to surround said washer, a connecting branch for the admission of a driven fluid on this annular hollow body and arranged to open tangentially in the latter, a nozzle having a Venturi passageway on this annular hollow body and in alignment with the axis of said hollow washer, and means on this nozzle allowing to distribute, in the form of a thin sheet, the mixture of driving and driven fluids issuing from said nozzle.

2,072,282
LIFT AND LIKE CONTROLLING MECHANISM
Norman Carol Smart, Binley, near Coventry, and Benjamin Francis Moss, Coventry, England, assignors to The General Electric Company Limited, London, England
Application October 9, 1934, Serial No. 747,540
In Great Britain October 5, 1933
9 Claims. (Cl. 187—29)



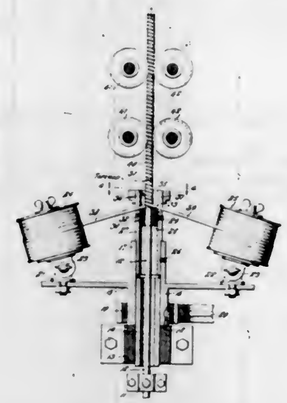
1. In a lift for serving a plurality of floors, a push button and indicating lamp with cooperating circuits, for each floor, a stepping call registering wiper switch having contacts corresponding to the floors served, a stepping magnet automatically operated for stepping said wiper switch, the circuit of said magnet being completed by operation of a floor push button, circuit connections from the contacts of said wiper switch arranged to form part of the respective lamp circuits, said circuits being completed by the operated floor push button and a relay in said wiper switch lamp circuit arranged to be operated simultaneously with lighting of the lamp when the stepping wiper switch reaches the contact corresponding to the floor of the operated push button, said relay operating to stop the stepping of said wiper switch.

2,072,283
AUTOMATIC GAIN CONTROL
Harold A. Snow, Mountain Lakes, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 23, 1932, Serial No. 624,254
7 Claims. (Cl. 250—20)



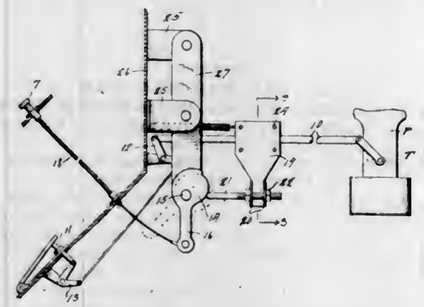
2. A method of operating a radio receiver including a multi-stage radio frequency amplifier, a power detector and an audio frequency amplifier in such a manner that the output of the audio frequency amplifier is maintained at a uniform signal intensity level, which consists in amplifying collected signal energy in said radio frequency amplifier, impressing the amplified energy upon the input of the power detector, adjusting the detector so that it draws grid current only at signal inputs which exceed said level, and causing said grid current to control the amplification characteristic of said multi-stage radio frequency amplifier in such a manner that said level is maintained.

2,072,284
MACHINE FOR MAKING SPIRAL WINDINGS
Harris Watson Voorhees, Morrisville, Pa., assignor to John A. Roebling's Sons Company, Trenton, N. J., a corporation of New Jersey
Application November 30, 1935, Serial No. 52,292
6 Claims. (Cl. 153—65)



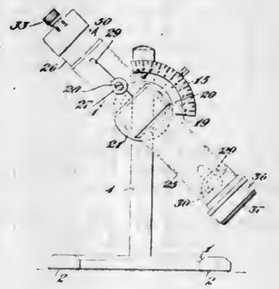
4. In a machine for making spirally wound flexible wire casings from a pair of relatively flat wires forming alternate turns of the casing, a rotatable reel carrier, a pair of wire supply reels oppositely arranged thereon, a stationary spindle having a smooth tapered end, means for pushing formed turns of alternate wires off the tapered end of said spindle comprising a push-off cam rotatable with respect to said spindle, a guide member rotatable with said cam and having wire guiding slots adjacent said cam between said cam and said wire supply reels, and means for rotating the reel carrier.

2,072,285
THROTTLE CONTROLLING ATTACHMENT FOR MOTOR CARS
Harry M. Walker, New Orleans, La.
Application December 12, 1935, Serial No. 54,146
2 Claims. (Cl. 74—482)



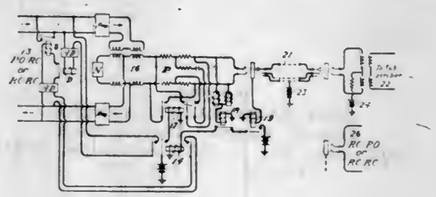
1. The combination with a throttle valve, a valve operating element, a spring urging the element in a direction to close the valve and an accelerator pedal operatively connected to the element and when depressed opening the valve; of an oscillatably mounted cam having an edge face extending from a point relatively close to the pivotal center of the cam to a point radially further from said pivotal center and there being provided with a stop lug, a member mounted upon the operating element and adapted to be operatively engaged by the edge face of said cam, and manually operable means for oscillating the cam from one position to the other; said cam when shifted in one direction forcing the operating rod in a direction to slightly open the throttle valve and retain the throttle valve open against the action of the spring and when oscillated in the other direction gradually permitting the closing of the throttle valve under the action of the spring.

2,072,286
PROJECTING DEVICE
Barrett R. Wellington, Troy, N. Y.
Application December 7, 1935, Serial No. 53,377
12 Claims. (Cl. 33—46)



1. Projection device comprising a casing, a concentrated light source therein, a shield supported by the casing, said shield having a substantially opaque field and a transparent ring through which light rays from the light source pass to define a hollow cone of light.

2,072,287
TELEPHONE TRANSMISSION CIRCUIT
Sumner Bisbee Wright, South Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application October 17, 1934, Serial No. 748,765
12 Claims. (Cl. 179—170)



10. In a communication system calling for the series connection of two or more four-wire links, each link being of such character as not to require echo suppressors when used alone, terminal suppressors present in each link but normally disconnected and means associated with the links whereby the suppressors are connected for service when two links are connected at that point.

2,072,288

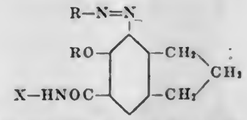
WATER INSOLUBLE AZODYESTUFFS

Werner Zerweck and Max Schubert, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application October 23, 1935, Serial No. 46,344. In Germany November 8, 1934

4 Claims. (Cl. 260—86)

1. Water insoluble azodyestuffs of the general formula:



wherein R stands for a radicle of the group consisting of the benzene and diphenyl series not containing a group which renders the azodyestuff water soluble and X means a radicle of the group consisting of the benzene and naphthalene series which dyestuffs are suitable for the manufacture of valuable color lakes and particularly adapted for production on the fiber according to the ice color method or to one of the usual printing processes.

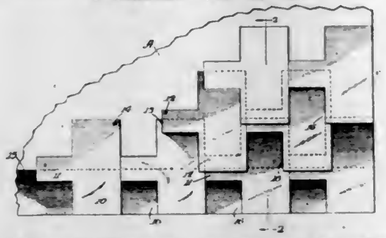
2,072,289

WALL COVERING

Chester A. Barth, Cicero, Ill., assignor to Interstate Roofing & Supply Co., a corporation of Illinois

Application February 8, 1936, Serial No. 62,891

3 Claims. (Cl. 20—5)



1. A wall covering comprising shingles of oblong form arranged with their longer dimension extending upwardly, each shingle having a lateral wing intermediate of its ends and the shingles of each course being spaced apart by the lateral dimension of the wings, the shingles of the successive courses overlapping the side margins of the shingles of the next course below and the upper portions only of the wings of the shingles thereof.

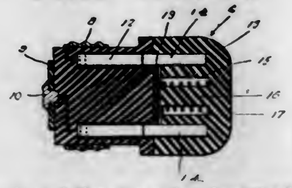
2,072,290

AUTOMATIC EJECTING FUSE

Heinz P. Bauman, Detroit, Mich.

Application May 5, 1936, Serial No. 78,044

1 Claim. (Cl. 200—130)



A fuse plug of the character described comprising a plug section, a cap section, said plug section being provided with pockets, contacts in the pockets, contact prongs on the cap section adapted to engage into the pockets and with the contact in the said pockets, a fusible element connected at its end to the contact prongs, and a coiled compressible spring interposed between the cap and the fuse normally held compressed by said fusible element, said fusible element having a circular central portion provided with a peripheral flange within the confines of which one end convolution of the spring is normally located.

2,072,291

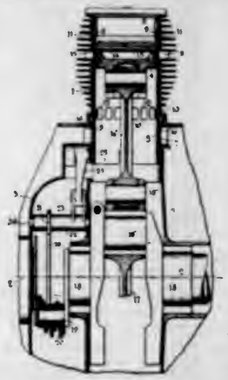
VALVE GEAR FOR INTERNAL COMBUSTION ENGINES

Bernhard Bischof, Winterthur, Switzerland

Application August 22, 1935, Serial No. 37,405

In Switzerland August 24, 1934

11 Claims. (Cl. 123—65)



1. The combination with a two cycle internal combustion engine comprising cylinder, piston, interposed valve sleeve, crank shaft and a driving connection between said crank shaft and piston, of driving means for the valve sleeve comprising a crank pin revolving with the crank shaft; a member mounted to rock on a fixed axis outside the orbit of said pin; driving connections between the said rocking member and valve sleeve whereby rocking of this member causes reciprocation of the sleeve; and a sliding block and lever connection between said pin and member whereby rotation of the shaft causes rocking of the member.

2,072,292

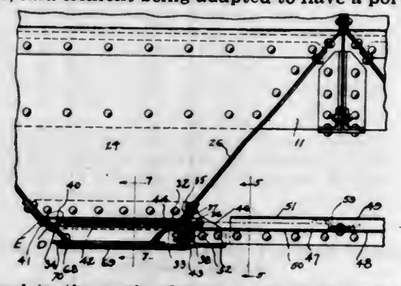
LOAD DISCHARGING CAR

Argyle Campbell, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Application June 23, 1933, Serial No. 677,231

10 Claims. (Cl. 105—282)

2. In a railway car, the combination with a discharge hopper; of a frame at the lower portion of the hopper; a sliding gate mounted in said frame and said frame having a discharge outlet; supporting horizontal walls on the inner side of the frame for supporting the sliding gate; vertical wall means formed integral with the said frame on either side of the sliding gate; supplementary guiding and supporting walls attached to said frame for supporting the gate when in open position; rack means on the underside of the gate; rotatably mounted pinions for moving the rack means; and a pivotally mounted element pivoted above the plane of the gate to swing on an axis substantially parallel with the axis of the pinions, said element being adapted to have a portion



moved in the path of movement of the gate for retaining said gate in closed position.

2,072,293

NITRO DERIVATIVE OF TERTIARY BUTYL PSEUDOCUMENE AND PROCESS FOR PREPARING SAME

Marion Scott Carpenter, Nutley, N. J., assignor to Givaudan-Delawanna, Inc., New York, N. Y., a corporation of New York

No Drawing. Application December 23, 1935, Serial No. 55,848

6 Claims. (Cl. 260—142)

1. 4,6-dinitro-2,3,5-trimethyl 1-tert-butyl benzene, comprising yellow crystals of M. P. 136–136.5° and having a musk-like odor.

3. Process of preparing a dinitro derivative of tert-butyl pseudocumene which comprises nitrating tert-butyl pseudocumene.

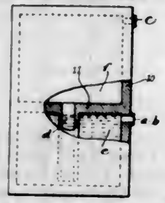
2,072,294

CONSTANT PRESSURE GAS REGULATOR

Ezra Jay Clemons, Los Angeles, Calif.

Application February 25, 1935, Serial No. 7,944

1 Claim. (Cl. 137—53)



A constant pressure gas regulator having two closed chambers, one above the other, the side walls of one chamber being continuations of the side walls of the other, the size of the upper chamber being greater than that of the lower chamber and provided in its upper portion with a normally open vent, a liquid sealing agent which, when at rest, completely fills the lower chamber, a duct leading from the bottom of the upper chamber to the lower portion of the lower chamber and said lower chamber having formed in the side wall of its upper portion an inlet opening and an outlet opening.

2,072,295

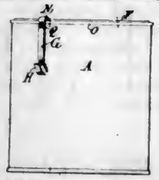
RECEPTACLE

Nicholas P. Courtney, Passaic, N. J.

Application March 17, 1932, Serial No. 599,397

3 Claims. (Cl. 220—43)

1. The combination with a friction top can of an opener therefor adapted to pry the cover from the can, the can being formed with a groove in its top and the cover being formed with a similar groove, and the opener being provided with a hook-shaped end adapted to engage the periphery of the cover and the top of the can



body for detachably connecting the opener to the can, the hook-shaped end having resilient means assisting in such connection.

2,072,296

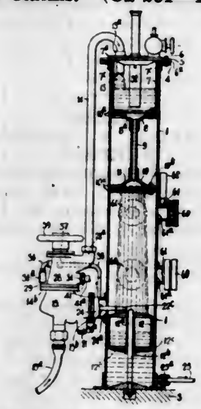
MACHINE FOR CARBONATING LIQUIDS

Leonard Eugene Cowey, Richmond, England

Application April 12, 1935, Serial No. 16,020

In Great Britain April 10, 1934

5 Claims. (Cl. 261—19)



5. In apparatus of the kind referred to for aerating liquids, a closed tower-like aerating vessel, means for admitting aerating gas under pressure into said vessel, a cistern located in the upper portion of said vessel, means to admit water into said cistern, said cistern having a cone bottom with an opening at its apex, a relatively long pipe connected to said bottom at said opening, a flared member on the lower end of said pipe, a screen over the flared end of said member, all being arranged so that the water from the cistern is forced through said screen by the head or pressure developed in said pipe.

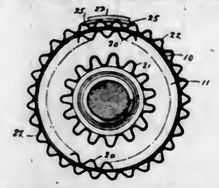
2,072,297

PRINTING ROLLER

Samuel F. Damm, Niagara Falls, N. Y.

Application March 20, 1935, Serial No. 11,991

9 Claims. (Cl. 101—375)



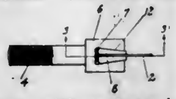
1. A printing roller comprising a roller body of sheet metal, heads for said body, a corrugated sleeve for reinforcing the body, and an outer corrugated sleeve for receiving and holding the printing designs.

2,072,298

COMBINED DRAWBOLT AND CLAMP FOR SAW BLADES

Robert L. Fitzsimmons, Indianapolis, Ind., assignor to E. C. Atkins and Company, Indianapolis, Ind., a corporation of Indiana

Application January 2, 1936, Serial No. 57,150
1 Claim. (Cl. 145—33)



The combination with a draw bolt, a head at one end thereof having a recess therein the corner portions thereof being rounded, a ledge at one extremity of said recess, and a pin extending transversely through said head and recess, of a pair of clamping jaws adapted to enter said recess and rest on said ledge; the inner ends of said jaws having aligning elongated slits open at one end, the outer corners of said jaws having rounded portions for cooperation with the rounded corners of said recess, whereby said jaws may be pivoted on said pin for entering the jaws into or removing the same from said recess.

2,072,299

AIRPLANE HAVING A VARIABLE LIFTING SURFACE

Jacques Gerin, Boulogne-sur-Seine, France

Application February 15, 1935, Serial No. 6,737
In France February 20, 1934
4 Claims. (Cl. 244—43)



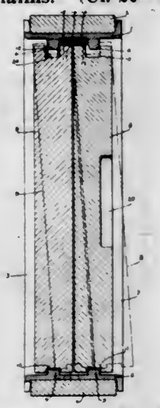
1. In an airplane construction having a main wing, the combination therewith of a series of longitudinal ribs comprising front, central, rear and trailing elements pivotally connected with each other, the central rib elements being provided with means for transverse displacement with regard to said main wing, a flexible covering for said rib elements normally streamlined in direction of advance.

2,072,300

SLIDING DOOR SEAL FOR REFRIGERATING APPARATUS

Albert L. Goetzmann, Minneapolis, Minn., assignor to Puffer-Hubbard Mfg. Co., Minneapolis, Minn., a corporation of Minnesota

Application November 25, 1935, Serial No. 51,487
10 Claims. (Cl. 20—19)



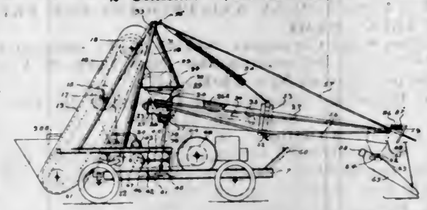
1. A sliding door structure for refrigerating apparatus including, a door, a frame having means for guiding the door, and resilient highly compressible material interposed and compressed between the frame and door and serving as sealing means, said door-guiding means, frame and compressible material being so related that said door can be moved to further compress said resilient material sufficiently to allow the door to be released from its guiding means and swung free of said guiding means and frame while the resilient material is under compression, while said guiding means remains immovable in the original guiding position.

2,072,301

CEMENT GROUT MIXING AND DISTRIBUTING MACHINE

George Wentworth Grayson, Darling Point, near Sydney, Australia, assignor to John Thomas McKee, Sydney, Australia

Application January 6, 1934, Serial No. 705,489
In Australia January 16, 1933
2 Claims. (Cl. 83—73)



1. In a cement grout mixing and distributing machine, a frame, a movably mounted bearing, an adjustable support for the bearing pivotally connected to the frame, a rotatably mounted frusto-conical mixing and distributing drum having an inlet opening at its larger end and a discharge opening at the smaller end journaled in said bearing, adjustable guy rods connecting the discharge end of the drum and pivotally secured to the frame coaxially with the support for the bearing, means for elevating and lowering the discharge end of the distributing drum, and means for moving the drum horizontally about the inlet end thereof.

2,072,302

POLYMERIZED VINYL ALCOHOL ARTICLES AND PROCESSES OF MAKING SAME

Willy O. Herrmann, Erich Baum, and Wolfram Haehnel, Munich, Germany, assignors, by mesne assignments, to Chemische Forschungsgesellschaft m. b. H., Munich, Germany, a corporation of Germany

No Drawing. Application March 3, 1932, Serial No. 596,570. In Germany March 10, 1931
17 Claims. (Cl. 128—335.5)

1. Surgical polymerized vinyl alcohol threads which, when sterile, are incapable of causing suppuration and fistular formation.

2,072,303

ARTIFICIAL THREADS, BANDS, TUBES, AND THE LIKE FOR SURGICAL AND OTHER PURPOSES

Willy O. Herrmann, Munich, Fritz Hammer, Bezirk Kassel, Hessen, and Wolfram Haehnel, Munich, Germany, assignors, by mesne assignments, to Chemische Forschungsgesellschaft m. b. H., Munich, Germany, a corporation of Germany

No Drawing. Application October 14, 1933, Serial No. 693,675. In Germany October 17, 1932
9 Claims. (Cl. 128—335.5)

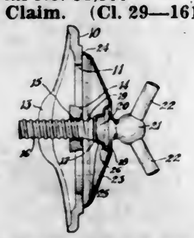
1. Formed surgical and medical articles for use in the human or animal system which, when sterile, are incapable of causing suppuration and fistular formation, comprising at least one member selected from the group consisting of the esters, ethers and acetals of polyvinyl alcohol, the esters of polyacryl acid and polyitaconic acid and polystyrols.

2,072,304

MANUFACTURE OF STOVE DAMPERS

Martin L. Hunker, Dover, Ohio, assignor to The Reeves Manufacturing Company, Dover, Ohio, a corporation of Ohio

Original application April 8, 1935, Serial No. 15,301, now Patent No. 2,059,793, dated November 3, 1936. Divided and this application July 15, 1935, Serial No. 31,500
1 Claim. (Cl. 29—161)



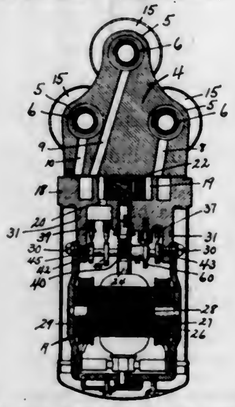
The method of assembling a sheet metal damper plate having an opening surrounded by a frusto-conical flange shouldered at a point spaced from its edge, upon a stem having a pair of annular shoulders of differential diameters greater than the interior of the flange and a conical portion between said shoulders, which consists in forcing the flange over the smaller of said shoulders expanding the flange as it passes over the shoulder, and then contracting the flange upon the conical portion of the stem so that it is rigidly clamped upon the stem with its edge fitting tightly against the smaller shoulder and its shouldered portion fitting tightly against the larger shoulder of the stem.

2,072,305

WARNING SIGNAL

Lloyd Elmer Johnson, Fred William Billig, and Floyd W. Hardick, Jackson, Mich., assignors to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio

Application June 27, 1928, Serial No. 288,636
10 Claims. (Cl. 177—7)



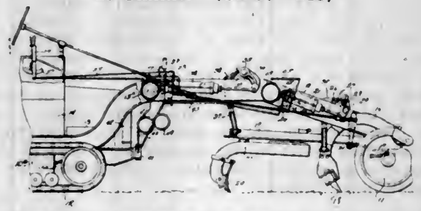
9. In a warning signal for automobiles, a plurality of air resonant devices, means for supplying air to said resonant devices in predetermined sequence comprising a plurality of valve elements, a motor and valve actuating means operatively connected with the motor for moving said valves into and out of the closed position, an electric circuit for operating said motor having a control switch therein, and means actuated by the motor for automatically opening said switch to stop the motor when all the valves are in a closed position whereby a back pressure of air is created to aid in stopping the motor.

2,072,306

HYDRAULIC LIFTING MECHANISM FOR ROAD GRADERS

Raymond W. Keeler, Galion, Ohio, assignor to The Galion Iron Works and Manufacturing Company, a corporation of Ohio

Application January 2, 1932, Serial No. 584,517
Renewed May 24, 1934
19 Claims. (Cl. 37—145)



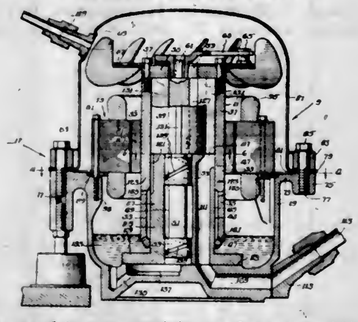
13. A road-working machine comprising the combination with a supporting frame having spaced-apart longitudinal beams connected rigidly together by a transverse tubular cross-brace, of a road-working implement, mechanism for adjustably supporting said road-working implement on said longitudinal beams, and a fluid pressure motor connected pivotally at one end to said tubular cross-brace and at its other end to said adjusting mechanism to operate the latter to secure adjustment of said road-working implement.

2,072,307

COMPRESSOR

Mahlon W. Kenney, Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation

Application May 14, 1934, Serial No. 725,473
12 Claims. (Cl. 230—140)



1. A machine comprising a base providing an upstanding pedestal having cylindrical side walls, a piston element carried on said pedestal in position extending above the top thereof, a cylinder element enclosing the piston and having portions journalled on the cylindrical side walls of the pedestal, means to admit a fluid work me-

dium to said cylinder, the side walls of said pedestal having a groove forming, with the walls of the cylinder element, an outlet duct for the work medium, said outlet duct communicating with the space within the cylinder at the top of the pedestal and being connected with an opening in the cylinder walls substantially below the top of the pedestal.

2,072,308
METHOD OF MAKING GEAR WHEELS
Frank R. Labin, Buffalo, N. Y.
Application May 16, 1934, Serial No. 725,947
2 Claims. (Cl. 29—159.2)

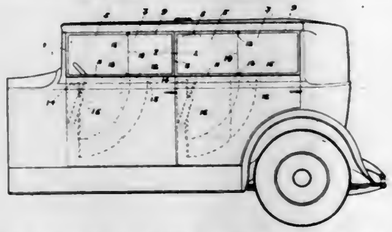


1. A method of making a combined gear and pinion comprising the provision of a work strip, slitting the work strip periodically at equidistant points in the strip, thereby forming a a series of united blanks, drawing a cup-shaped protuberance from each blank in successive stages while the blanks are still united, successively forming radial indentations in the protuberance of each blank coincidentally with the steps which bring the protuberance to its desired size, and then forming the teeth on the outside periphery of the gear and a central aperture in the pinion by a punching operation.

2,072,309
PROCESS FOR TREATING FIGS
Carl F. Love, San Jose, Calif., assignor to California Prune & Apricot Growers Association, San Jose, Calif., a corporation of California
No Drawing. Application May 25, 1935, Serial No. 23,454
4 Claims. (Cl. 99—156)

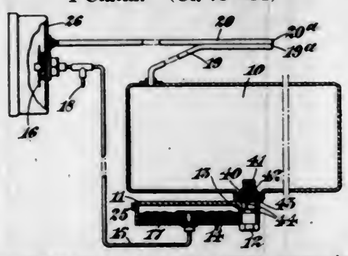
1. The process of treating dried figs which comprises first, subjecting them to the action of a solution containing hydrogen peroxide 2%, water 98%, allowing the fruit to stand from 12 to 14 hours then immersing the fruit in water, the temperature of which is slightly below the boiling point, for from two to seven minutes.

2,072,310
VEHICLE WINDOW
Joseph B. McMullen, Washington, D. C.
Application January 25, 1933, Serial No. 653,532
14 Claims. (Cl. 296—45)



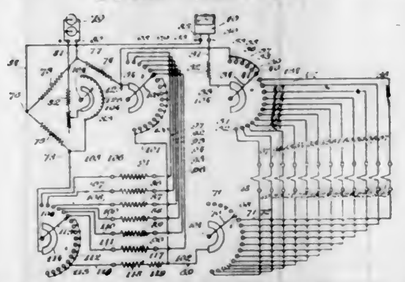
1. A window on a wall structure of a vehicle, said wall structure having an opening at its top, a frame member to substantially close said opening, said frame member being hinged at one end and movable about said hinge, locking means to hold said frame member parallel with said opening in said wall structure when in operative position, transparent means mounted on said frame member, one portion of said transparent means being fixed immovably to said frame member and a vertically hinged transparent member mounted on said frame member for outward and forward swinging movement beyond the vehicle, said vertically hinged member controlled by means movable around its own axis.

2,072,311
LIQUID DEPTH OR CONTENTS GAUGE
Alfred Nutsford, Farnborough, England
Application January 20, 1936, Serial No. 59,987
In Great Britain October 12, 1934
1 Claim. (Cl. 73—54)



A liquid depth or contents gauge, comprising an indicating instrument, a stiff metal capsule for actuating the instrument, a flabby metal capsule, a casing enclosing the flabby capsule and formed with a port for the admission of liquid whose depth or amount is to be indicated, a valve controlling the port, a mass operatively connected to the valve to actuate it to close the port when the gauge is accelerated in a predetermined direction, and a metal conduit connecting the interiors of the two capsules.

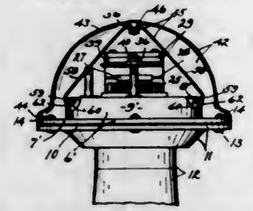
2,072,312
TEMPERATURE INDICATING INSTRUMENT
John A. Obermaier, Chicago, Ill.
Application July 28, 1934, Serial No. 737,327
1 Claim. (Cl. 73—32)



In a temperature indicating instrument, the combination of a plurality of thermo-bulbs with an electrical resistance measuring instrument calibrated in terms of temperature for indicating the temperature of said bulbs, a source of electrical energy for energizing said instrument, switching means for controlling the connection of said bulbs to said indicating instrument, and switching means operable coincidentally with the first mentioned switching means for automatically disconnecting the source of electrical energy from said instrument during the major portion of the movement of said first mentioned switching means to prevent surges of current in said indicating means during the switching operation, said second mentioned switching means

comprising a rotatable member carried by a shaft controlling said first-mentioned switching means, said rotatable member having a plurality of slots provided with camming shoulders, and interengageable contacts resiliently mounted, one of said contacts being provided with a pair of camming rollers oppositely located with respect to the point of pivot of said latter contact, said rollers engaging said rotatable member in such manner that the contacts are brought into engagement when one of said rollers engages in one of said slots.

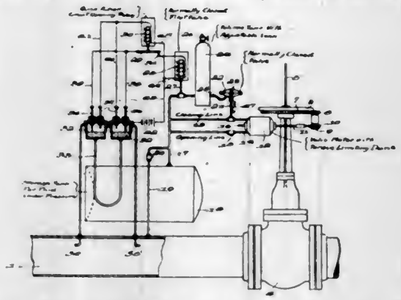
2,072,313
SIGNALING DEVICE
Wallace Bernard Patch, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application April 4, 1934, Serial No. 719,051
3 Claims. (Cl. 177—7)



3. In a signaling device, the combination with the diaphragm and an actuating mechanism for vibrating said diaphragm, of a support for the diaphragm and actuating mechanism, comprising a pair of case members, means for releasably fastening said case members and diaphragm to each other, one of said case members having the actuating mechanism mounted substantially centrally therewith to project upwardly from one side thereof, said latter case member being provided with a pair of spaced apertures arranged one at either side of the actuating mechanism intermediate said mechanism and the fastening means, a cover co-acting with at least one of said case members for enclosing said actuating mechanism, a unitary resilient retaining bracket adapted to span said mechanism positioned within said cover, said bracket including two pendant arm portions having the free ends thereof provided with integral holding elements adapted to extend into said apertures, the spacing of the apertures and the normal spacing apart of the holding elements being unequal, so that said bracket is placed under tension when the holding elements are inserted into said apertures whereby said elements are resiliently maintained in holding engagement with the walls of the apertures for releasably securing the bracket to said latter case member, and means releasably connecting the cover to the bracket.

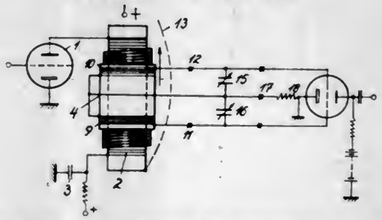
2,072,314
SAFETY SYSTEM FOR PIPE LINES
George I. Rhodes, Glen Ridge, N. J.
Application November 5, 1936, Serial No. 109,394
18 Claims. (Cl. 137—153)

1. A safety system for pipe lines involving a valve in the pipe line for controlling the flow of fluid therethrough, means for closing said valve, fluid pressure actuated means responsive to changes of velocity of the fluid flowing through the pipe line adjacent said valve, mechanism controlled by said fluid pressure actuated means for inducing a valve closing movement of said valve closing means, said mechanism including means for delaying the completion of its operation for inducing said closing movement, and means controlled by said fluid pressure actuated



means for suspending the operation of said mechanism when the velocity of the fluid flowing in the pipe line exceeds a predetermined maximum.

2,072,315
PUSH-PULL DETECTOR
Kurt Schlesinger, Berlin, Germany
Application November 7, 1934, Serial No. 751,927
In Germany November 10, 1933
4 Claims. (Cl. 250—27)

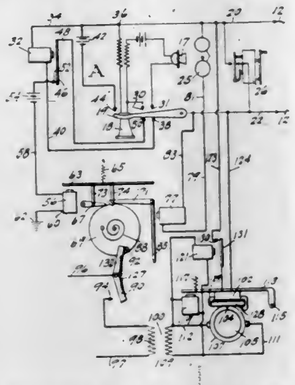


1. A push-pull detector arrangement for television purposes comprising a transformer and a detector valve in push-pull connection, said transformer consisting of a primary and a secondary coil, a carrier frequency amplifier valve, the one end of said primary connected to the anode of said amplifier valve, the other end of said primary winding grounded, said rectifier valve having at least a cathode, a plate, and two grids, the one end of said secondary winding connected to the one of said grids, and the other end to said second grid, said secondary being spacially displaceable with respect to said primary coil, and consisting of two separate winding halves connected in series and wound such as to form a spacing between said halves which is great in relation to the height of said halves, said primary winding being constructed as a coil with large straying.

2,072,316
TELEDICTAPHONE
Otto H. Schulz, Oakland, Calif.
Application August 28, 1934, Serial No. 741,765
22 Claims. (Cl. 179—6)

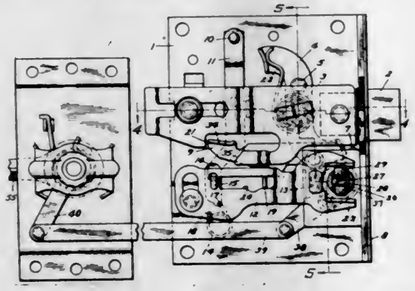
1. In combination, two telephone sets and a circuit therefor, a voice recording device including an electrically actuated recorder in cooperative relation to one set, means made operative by release of the receiver hook of the other set and inoperative by the release of the receiver hooks of both sets and actuated by electrical impulses set up in the signaling system for the one set electrically associating the other telephone set with

the recorder of said recording device when the receiver of the one set remains unreleased for a predetermined signaling period, and made inop-



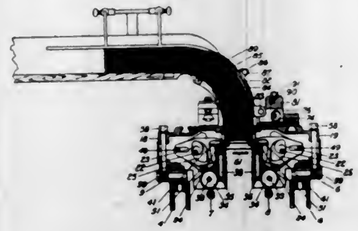
erative and causing the means to return to normal position when the receiver hook of the other set is depressed.

2,072,317
COACH LOCK AND HANDLE
Emory Glenn Simpson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 1, 1935, Serial No. 8,812
4 Claims. (Cl. 70—149)



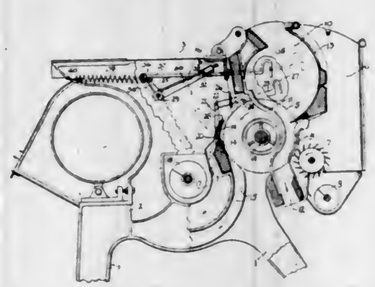
1. A door lock for vehicles having in combination a casing, a spring propelled latch bolt slidable therein, a spindle journalled in said casing, means for transmitting and converting the turning movement of the spindle into a reciprocating movement of the latch bolt, said means including a clutch by which the spindle may be connected to or disconnected from the latch bolt, an outside semi-freewheeling handle arranged to move through only part of a turn and in the form of a lever arranged to normally occupy a predetermined position with respect to the door, an inside handle of the semi-freewheeling type arranged to move through only part of a turn, said handle being of the lever type and arranged to normally occupy a predetermined position, both of said lever handles being secured to turn the said spindle, an inside control for connecting or disconnecting the clutch between the spindle and the latch bolt, an outside control for so connecting or disconnecting said clutch, and a spring acting on said spindle for returning the handles to their predetermined positions after the same have been released.

2,072,318
STACKING MECHANISM FOR PAPER BOX MACHINES AND THE LIKE
Edwin G. Staude, Minneapolis, Minn.
Application December 5, 1932, Serial No. 645,710
34 Claims. (Cl. 271—87)



1. A stacking mechanism comprising means for receiving the articles to be stacked, and guiding them in stacked relation, means for delivering articles one under the other to form a stack in the receiving means, including spirals for advancing and raising the incoming articles, oscillatable fingers associated with said spirals in a manner to receive and support the stacked articles while the spirals advance and raise other incoming articles into stack formation, and means for driving and synchronizing the motions of the spirals and fingers.

2,072,319
MOTE BOARD AND CLEANER FOR GINS
John Arnold Streun, Sherman, Tex., assignor to Hardwicke-Etter Company, Sherman, Tex., a corporation
Application March 24, 1934, Serial No. 717,147
5 Claims. (Cl. 19—58)



1. In a cotton gin the combination of a mote board positioned adjacent the gin saws, and means including a swinging frame within the gin, a brush on said frame, said frame being operable from the exterior of the gin to remove materials clinging to said mote board.

2,072,320
BIT GUIDE
Charles E. Thomas, Santa Barbara, Calif.
Application December 19, 1934, Serial No. 758,260
Renewed July 7, 1936
3 Claims. (Cl. 255—28)

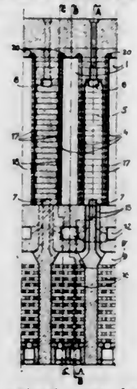
1. In combination with a drill stem, a bit guide surrounding the drill stem having teeth engageable with the walls of a well and defining passages

therebetween enabling upward flow of circulation fluid, means forming a clutch between the guide



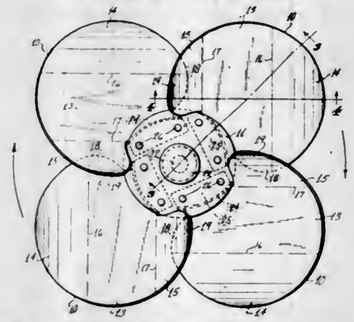
and the drill stem, and spring means normally holding the clutch disengaged.

2,072,321
COAL DISTILLATION OVEN AND THE LIKE
Friedrich Totzek, Essen-Stoppenberg, Germany, assignor, by mesne assignments, to Koppers Company, a corporation of Delaware
Application June 15, 1934, Serial No. 730,734.
Renewed January 26, 1937. In Germany September 19, 1932
3 Claims. (Cl. 202—223)



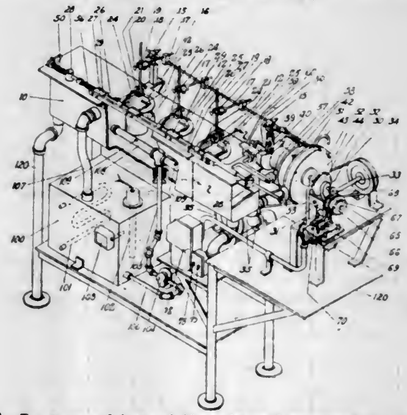
1. In a coking retort oven battery: a series of alternate coking chambers and flued heating walls therefor arranged side-by-side, the flues of the heating walls being separated from the adjacent coking chambers by a single layer partition wall of superimposed courses of stones with horizontal mortar coursing joints, horizontal gas channels extending lengthwise of the heating walls throughout the horizontal mortar coursing joints and within the confines of the bricks of adjacent superimposed courses of the single layer partitions and communicating with the joints between said stones to intercept any gas that may leak through the mortar coursing joints from the chambers on either side of the partition, and vertical gas channels within the confines of the single layer partitions and communicably connecting the horizontal gas channels therein for flow of gas through the channels and stone joints to prevent gas leakage through the single layer partitions relative to the coking chambers on one side and the heating flues therefor on the opposite side of the single layer partition separating the same.

2,072,322
FLUID REACTION APPARATUS
Walter L. Upson, University City, Mo., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut
Application December 2, 1935, Serial No. 52,503
Renewed January 25, 1937
29 Claims. (Cl. 170—159)



1. A fluid-reaction blade having a form, in plan, of an incomplete, substantially circular disc, the blade being channelled, the sides of the channel each being of arcuate section and constituting leading and trailing blade portions, and means for mounting the blade for revolution about an axis, with its channel at a substantial angle to a radius on such axis.

2,072,323
DYEING MACHINE
William Marcy Wentz, Milwaukee, Wis.
Application May 6, 1933, Serial No. 669,654
8 Claims. (Cl. 8—19)



1. In a machine of the class described in combination with a receptacle for holding a fiber treating solution, an elongated, vertically extending skein holding member mounted to move longitudinally up and down and positioned above said receptacle, said member being provided at its lower end with an eye portion positioned to move into and out of a treating solution in said receptacle, and through which a skein may be threaded, clamping means arranged to periodi-

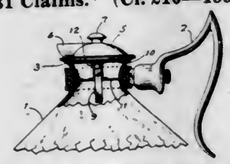
cally engage one side of a skein which may be threaded through said eye portion whereby the skein may be pulled through the eye portion as said holding member moves upwardly beyond said clamping means, said skein holding member and clamping means being operatively connected whereby they may be moved in synchronism.

6. A skein holding member adapted for use in a dyetesting machine comprising a rod member provided at one end with spaced spiral loops laterally extending therefrom through which an endless skein may be threaded.

2,072,324
STRAINER FOR BEVERAGE DISPENSING DEVICES

Frank E. Wolcott, West Hartford, Conn.

Application January 3, 1934, Serial No. 705,092
31 Claims. (Cl. 210—155)

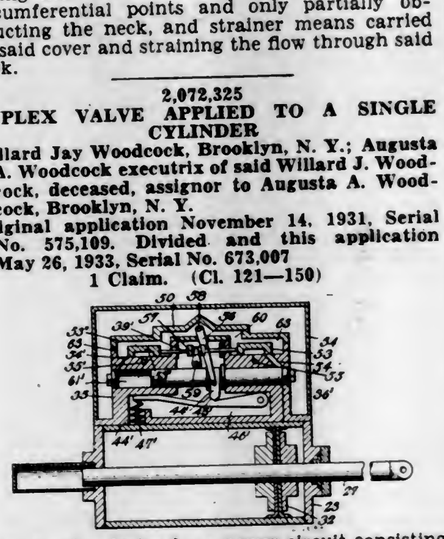


1. In a dispensing device, a bowl having a neck, a pouring cover having positioning means engaging the interior of said neck only at spaced circumferential points and only partially obstructing the neck, and strainer means carried by said cover and straining the flow through said neck.

2,072,325
DUPLEX VALVE APPLIED TO A SINGLE CYLINDER

Willard Jay Woodcock, Brooklyn, N. Y.; Augusta A. Woodcock executrix of said Willard J. Woodcock, deceased, assignor to Augusta A. Woodcock, Brooklyn, N. Y.

Original application November 14, 1931, Serial No. 575,109. Divided and this application May 26, 1933, Serial No. 673,007
1 Claim. (Cl. 121—150)



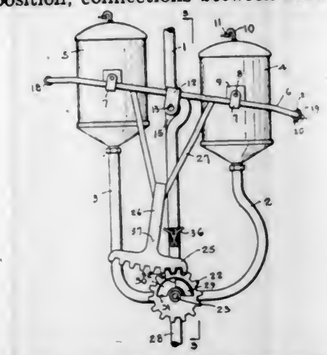
In a valve device for a power circuit consisting of a casing, a plurality of chambers therein, each of said chambers provided with ports, a plurality of piston members to work in said chambers, valve means operable by number one piston member to open and close number two chamber ports, and valve means operable by number two piston member to open and close number one chamber ports, resistance means applied to said piston members, which must be overcome by pressure, before a piston member can complete its stroke.

2,072,326
METER FOR LIQUIDS

William A. Forster, Dallas, Tex.

Application October 22, 1934, Serial No. 749,418
13 Claims. (Cl. 249—26)

1. A liquid conducting line, a beam pivoted to rock upon a fulcrum, a pair of containers of equal capacity pivotally supported from the beam at points between the fulcrum and the ends of said beam and free to maintain a constant vertical position, connections between said line and



each of said containers, a valve in said line controlling the flow to and from said containers, and means responsive to the movement of said beam to actuate said valve.

2,072,327
DISPENSING DEVICE

William Friedman, New York, and Benjamin Lindner, Larchmont, N. Y.; said Friedman assignor to said Lindner

Application December 27, 1932, Serial No. 649,024
11 Claims. (Cl. 128—234)



11. In combination, a container having an orifice at one end and having its other end open, a closure for said open end, a plunger head in said container initially at the end of the container next said closure, a stem passing through said closure and through said plunger head, said stem having an inner enlarged end retractable through said plunger head and functioning both as a closure for said orifice and a stop against complete withdrawal of the stem as well as functioning as a means for advancing the plunger head by a returning inward movement of the stem after retracting the said enlarged end through said plunger head.

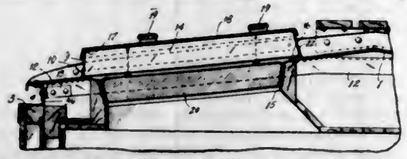
2,072,328
HATCH CONSTRUCTION

Garth G. Gilpin, Riverside, Ill., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania

Application December 26, 1935, Serial No. 56,163
22 Claims. (Cl. 108—5)

1. A hatch construction for car roofs comprising a roof sheet provided with a hatch opening, spaced carline members located below said roof sheet and extending across said opening adjacent

to opposite sides thereof, and a metal hatch frame for said opening supported on the por-

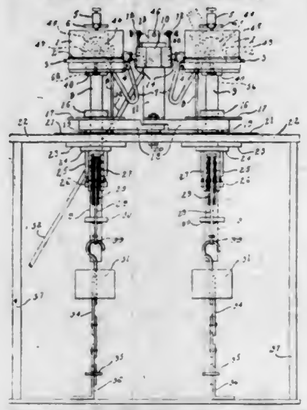


tions of said carline members that cross said opening.

2,072,329
APPARATUS FOR INCLOSING OBJECTS IN REGENERATED CELLULOSE

John H. Grady and Joseph W. Clarke, St. Louis, Mo., assignors to J. H. Grady Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application March 23, 1934, Serial No. 717,004
4 Claims. (Cl. 93—2)



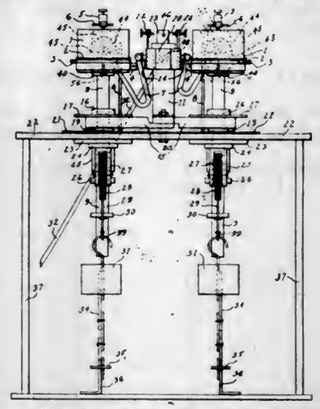
1. An apparatus of the character described, comprising a work-holder, a cylinder closed at one end and having an elastic diaphragm and forming an air-chamber, said cylinder being movable in a vertical arc whereby the said diaphragm in one position forms a supporting table for regenerated cellulose to be moistened, means for admitting air under pressure into the said air-chamber, and means for advancing the said air-chamber to a point where the object to be covered forces the said elastic diaphragm out of its normal line and against the said air-pressure, and means for returning the said air-chamber to its initial position.

2,072,330
METHOD OF INCLOSING OBJECTS IN REGENERATED CELLULOSE

John H. Grady and Joseph W. Clarke, St. Louis, Mo., assignors to J. H. Grady Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Original application March 23, 1934, Serial No. 717,004. Divided and this application June 5, 1935, Serial No. 25,082
3 Claims. (Cl. 93—2)

1. The herein-described method of covering objects with sheet regenerated cellulose or the like, consisting of selecting a blank of suitable shape and size of the said material to enclose more than half of the object to be covered, moistening the blank, laying its moist side upon the object to be covered, applying elastic pressure thereto throughout its entire area to press any existing air from between the blank and object, applying a similar moistened blank to the opposite side of the object in overlapping relation

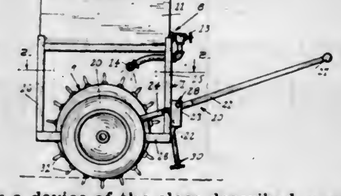


to the first blank, and applying pressure to the second blank in the same manner as to the first blank.

2,072,331
AERATING AND FERTILIZING MECHANISM

Walter Reno Hanna, Palo Alto, Calif.

Application August 28, 1935, Serial No. 38,180
3 Claims. (Cl. 111—6)

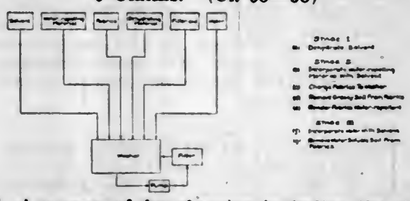


1. In a device of the class described, a supporting frame having a pair of wheels arranged thereunder, a cylinder positioned within said frame and capable of rolling upon the ground, a fertilizer tank arranged upon said frame, aerating and fertilizer distributing spikes positioned on said cylinder and fluid distributing means cooperating with said tank to distribute liquid fertilizer to said spikes and cylinder, and lever means associated with the device to raise and lower the cylinder.

2,072,332
METHOD OF DRY CLEANING

Arthur Edward Hatfield, Toronto, Ontario, Canada

Application August 12, 1935, Serial No. 35,832
6 Claims. (Cl. 68—38)



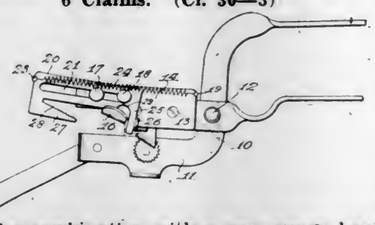
1. A process of dry cleaning including the steps of dehydrating an organic solvent, incorporating a material capable of rendering fabric water-repellent with the dehydrated solvent, washing

fabrics in the anhydrous solution to remove greasy soil and to render the fabrics water-repellent, incorporating water with the solvent and washing the fabrics in the humidified solvent to remove water-soluble soil from the fabrics.

2,072,333
AUTOMATIC CAN TOP CATCHER FOR CAN OPENERS

Frank F. Hosmer, Glendale, Calif., assignor of one-half to William Hall Gilbert, Los Angeles, Calif.

Application November 25, 1935, Serial No. 51,423
6 Claims. (Cl. 30—3)

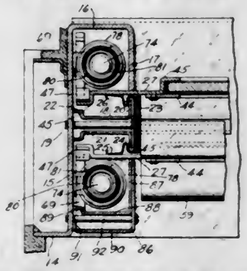


6. The combination with a can opener having a pair of pivotally connected jaws and a cutting blade carried by one of said jaws, of a pair of cooperating members carried by the jaw that carries said cutting blade, one of said members being mounted for sliding movement upon the other, a retractile spring connecting said members and cooperating means on said members for automatically engaging and gripping that portion of the can that is cut by the blade at the termination of the can opening operation.

2,072,334
METAL WINDOW FRAME AND SASH CONSTRUCTION

August Huttger, Philadelphia, Pa., assignor to Edward P. Huttger, Philadelphia, Pa.

Application June 28, 1934, Serial No. 732,891
Renewed September 24, 1936
3 Claims. (Cl. 189—65)



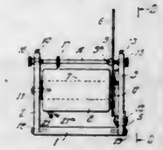
1. A sheet metal window frame comprising opposed jambs defining spaced chambers for receiving sash balancing devices, sashes having rails, a parting strip between the chambers, said strip including flanges, a sheet metal weather strip including resilient beads adapted to yieldably engage the flanges of the parting strip throughout their length, said beads terminating in outwardly flexed flanges adapted to yieldably engage the sash rails.

2,072,335
REVERSIBLE VARIABLE SPEED MOTOR

John R. James, Story City, Iowa

Application November 25, 1935, Serial No. 51,353
11 Claims. (Cl. 172—278)

1. A self-starting reversible motor for alternating currents consisting of a stator having a field coil with a core extending to its full length, a non-magnetic disc shaped rotor mounted for rotation so that its one face is in closely spaced relation with one end of the coil and core, an adjustable segment of magnetic and non-magnetic metal combined is positioned for adjustment by a locking magnetic screw so that its one face is in closely spaced relation to the other face of the rotor opposite the coil and core to establish a rotor propelling torque in either direction or combined with a rotor opposing torque to rotate the rotor at variable speeds and also

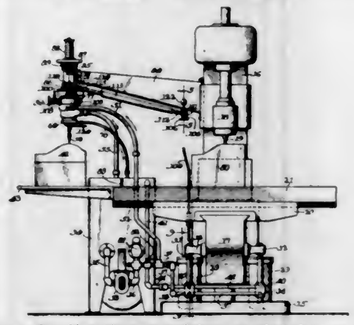


substantially uniform speeds irrespective of voltage or frequency variations or also to stop the rotor completely while the field coil is connected to an alternating current circuit, a non-magnetic end bar serving as a support with a magnetic piece of metal attached to its one face by magnetic screws is positioned so that its other face is adjacent to the other face of the adjustable segment opposite the face adjacent the rotor, and a magnetic base bar with another end bar of magnetic metal serve as supports and also to provide a path for alternating magnetic flux.

2,072,336
DUPLICATING MACHINE

Einar K. Johansen, Chicago, Ill., assignor, by mesne assignments, to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois

Application May 14, 1934, Serial No. 725,460
8 Claims. (Cl. 90—13.5)

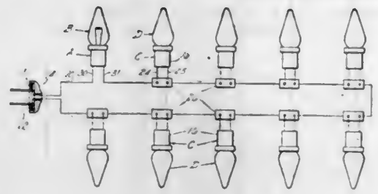


8. In a duplicating machine, a slidable carriage for the work, a pattern support connected with the carriage, a cutter for the work, a tracer for the pattern, both said cutter and tracer mounted in fixed positions, an hydraulic system embodying means for circulating a fluid medium under pressure for moving said carriage in a plane transverse to the plane of sliding movement thereof to bring the work and pattern respectively up to the cutter and tracer, means embodying a valve responsive in its operation to the action of the tracer upon the pattern, for controlling the pressure of the fluid medium and thereby control the movement of the carriage under the effect of such fluid pressure, additional means operating automatically by the movement of the carriage past a predetermined point in the path of movement of the carriage under such fluid pressure for also actuating said valve to reduce said pressure, and a manually operable device co-acting with the last said means for also actuating said valve at any time in the cycle of operation of the machine.

2,072,337
SAFETY LIGHTING CIRCUIT

Robert A. Kamm, Hartford, Conn., assignor, by direct and mesne assignments, to The Nofade Electric Corporation, Hartford, Conn., a corporation of Connecticut

Application May 5, 1936, Serial No. 77,991
4 Claims. (Cl. 171—97)

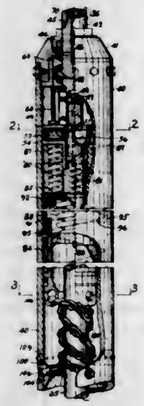


1. A safety lighting circuit comprising a plurality of electric lamps in series connection, one of said lamps serving as a master control to prevent overloading of the circuit, and means associated with each of the other lamps automatically providing a predetermined resistance across each of said other lamps when they become burned out.

2,072,338
OIL WELL GRAPPLE

Clarence A. Kelso, Los Angeles, Calif.

Application March 2, 1936, Serial No. 66,667
11 Claims. (Cl. 294—86)

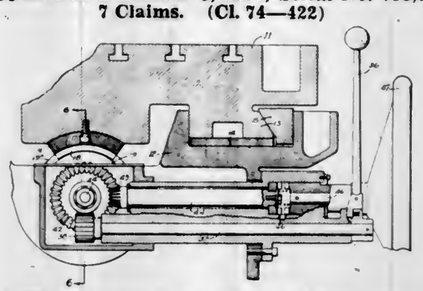


1. A grapple which comprises: a shell; a cam shaft with thrust bearing engagement in the upper end of the shell, and adapted as a hanger for the support of the grapple; a fluid pressure operable latch mechanism on the cam shaft; a plurality of grapple elements in the lower end of the shell; the disposition of the aforesaid parts whereby to control the opening and the closing of the grapple elements as governed by the rotation of the cam shaft with respect to the shell and the control of the fluid pressure in the latch mechanism.

2,072,339
FEED MECHANISM FOR MACHINE TOOLS

John R. Johnson, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois

Application December 3, 1934, Serial No. 755,702
7 Claims. (Cl. 74—422)

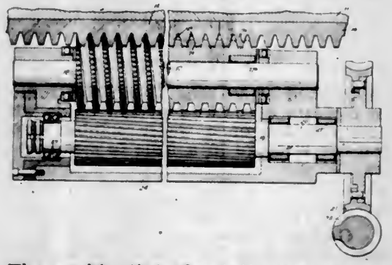


1. The combination with a slidable machine element of a rotary drive shaft, a screw adapted to be driven thereby and having a thread the opposite side surfaces of which converge outwardly, a rack secured to said element and having teeth of a shape complemental to said screw thread and constituting segments of a screw thread, and means providing a body of lubricating fluid in which the thread of said screw dips, said rack teeth mating with the thread of said screw and being cut on a larger pitch diameter so as to form clearance spaces at one end of the rack teeth tapering toward the areas of contact between the teeth and the screw thread whereby to permit the lubricating fluid to be carried into said contact area.

2,072,340
FEED MECHANISM FOR MACHINE TOOLS

John R. Johnson, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois

Application October 14, 1935, Serial No. 44,882
16 Claims. (Cl. 74—57)



1. The combination of a stationary part, a movable part, a partial nut fixed to one of said parts, a screw rotatably mounted on the other part and having a screw-thread engagement with the nut, the thread of said screw having gear teeth cut therein, and a power driven pinion meshing with said gear teeth to rotate the screw.

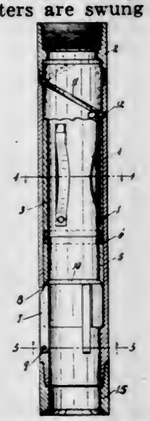
2,072,341
OUTSIDE PIPE CUTTER

Otis J. McCullough, Huntington Park, Calif.

Application March 11, 1935, Serial No. 10,473
3 Claims. (Cl. 81—189)

1. An outside casing cutter comprising a shell adapted to be attached to drill pipe, a sleeve rotatably and slidably mounted in the shell, a plu-

rality of springs on the inside of the sleeve adapted to engage the pipe which is to be cut, a plurality of cutters pivotally mounted in the shell, the lower end of said sleeve engaging the cutters whereby said cutters are swung inwardly when



the sleeve is lowered, said sleeve having a cam slot therein and a bayonet notch extending into the cam slot, a pin projecting from said shell into the slot whereby the sleeve is pressed downwardly as the shell is rotated, said pin resting in the notch as the tool is lowered in a well.

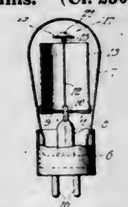
2,072,342

PHOTOELECTRIC TUBE

Archie J. McMaster and Charles E. Parson, Chicago, Ill., assignors to G-M Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Application September 2, 1930, Serial No. 479,220

3 Claims. (Cl. 250—27.5)



1. A method of scavenging an electronic tube which consists of mixing a lead oxide with an aqueous solution of a water soluble salt, and placing the mixture in a tube to clean up alkali vapors.

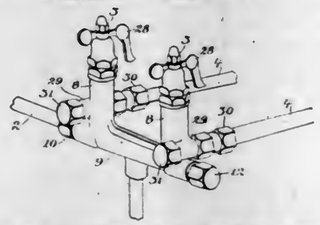
2,072,343

OIL BURNER

George Richter, Stapleton, N. Y.

Application June 14, 1935, Serial No. 26,537

4 Claims. (Cl. 137—78)



1. In a fuel supply system for a burner, a control valve having its casing arranged with the inlet thereof opening into the fuel supply pipe at a point removed from the end of the pipe and the outlet thereof opening into a tubular extension angularly disposed to the valve casing and terminating in open ends threaded to receive a removable closure at one end and the coupling of a fuel delivery pipe at the other end, the assembly being such as to provide unobstructed passage for a cleaning wire through the delivery pipe clear of the valve.

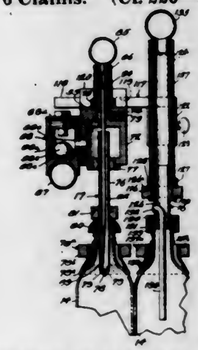
2,072,344

CONTAINER FILLING MACHINE

Arthur I. Risser, Chicago, Ill., assignor to U. S. Bottlers Machinery Co., Chicago, Ill., a corporation of Illinois

Application September 14, 1934, Serial No. 743,937

6 Claims. (Cl. 226—68)



1. In a machine of the class described, means for positioning two containers, a vacuum filler nozzle, said means and nozzle being arranged for relative movement whereby to cause entry of the nozzle in a container, a container sealing member adjustably mounted on the nozzle for regulating depth of entry of the nozzle in a container, a suction cleaner nozzle connected operably with the filler nozzle whereby its entry is established in the other container upon said entry of the filler nozzle, a container sealing member mounted on the cleaner nozzle for engaging a container upon said entry of the filler nozzle, and means providing an adjustable operable connection between the nozzles in compensating for the adjustment of the filler nozzle sealing member.

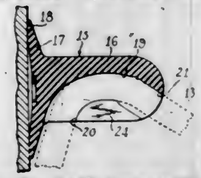
2,072,345

SUPPORT FOR BATH SPRAYS

Wilfred C. Schneider, New Haven, Conn., assignor to The Seamless Rubber Company, Inc., New Haven, Conn., a corporation of Massachusetts

Application April 8, 1936, Serial No. 73,327

3 Claims. (Cl. 248—206)



1. A support for bath sprays or the like comprising a supporting element provided with vacuum cup means by which it may be secured to a support, and said element being provided with means to embrace and hold the tube of a bath spray, said means comprising a passageway provided in the supporting element in which the tube is received, said passageway extending generally in line with the axis of said cup.

2,072,346

DRAINAGE TUBE

Ward R. Smith, Dayton, Ohio

Application October 4, 1934, Serial No. 746,801

20 Claims. (Cl. 27—24)



9. An instrument for insertion within a restricted passage including a tubular conduit having lateral openings therein, a reciprocatory rod extending within the conduit, and material grasping means projectable through the lateral openings in the conduit for drawing adjacent material into the tube by the manipulation of said rod.

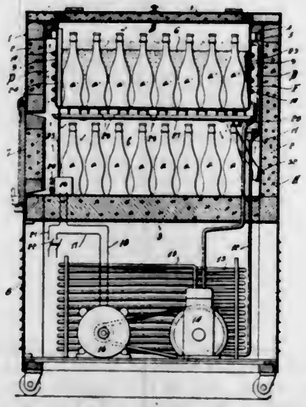
2,072,347

REFRIGERATOR

George L. Strebler, St. Louis, Mo., assignor to Eagle Foundry Company, a corporation of Illinois

Original application November 8, 1933, Serial No. 697,095. Divided and this application December 28, 1936, Serial No. 117,924

8 Claims. (Cl. 62—4)



3. In a refrigerator of the character described, a case, a sheet metal water tank in the case, a refrigerating mechanism including a coil, said coil surrounding the tank in heat transfer relation thereto, and means for controlling the operation of said mechanism, said means including a thermal element arranged in contact with a wall of said tank in position to be insulated from the water in the tank by formation of an ice barrier while said mechanism is operating and to receive heat from said wall to release said ice barrier from the element after the mechanism has stopped operating.

2,072,348

CHLORINATED TRIALKYL AMINES AND METHOD OF PRODUCING

Kyle Ward, Jr., Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 5, 1934, Serial No. 714,095

18 Claims. (Cl. 260—127)

2. Tri-(β-chlorethyl)-amine.

3. The method of producing a tri-(ω-chloralkyl)-amine which includes reacting a tri-(ω-hydroxyalkyl)-amine with a chlorinating agent.

13. A hydrohalide salt of a tri-(ω-halogenoalkyl)-amine.

17. The method of producing a hydrohalide salt of a tri-(ω-halogenoalkyl)-amine which includes reacting a tri-(ω-hydroxyalkyl)-amine with a hologenating agent.

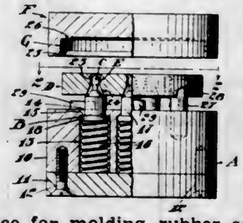
2,072,349

MOLD AND METHOD OF MOLDING

Herbert N. Wayne, Santa Monica, Calif.

Application June 6, 1934, Serial No. 729,215

11 Claims. (Cl. 18—5)



1. A device for molding rubber sockets comprising a mold member formed with a plurality of cores, a second mold member formed with a plurality of mold cavities adapted to receive said cores and having a flat upper face, said cavities opening upwardly through said second mold member and having reduced upper ends, and a cap adapted to be positioned over said second mold member and operable to force rubber downwardly into the mold cavities around said cores, said cores having their upper ends terminating in inwardly spaced relation to the outer ends of the mold cavities, and said cap having a mold recess to mold a film of rubber on the upper face of the second mold member uniting bodies of rubber in the mold cavities.

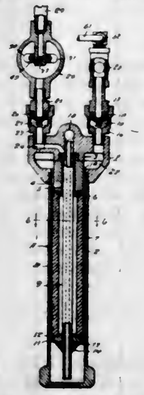
2,072,350

CARBONATING APPARATUS

Mordecai M. Welker, Canfield, and Cory R. Vaughn, Youngstown, Ohio, assignors to General Dry Batteries, Inc., Cleveland, Ohio, a corporation of Ohio

Application November 16, 1934, Serial No. 753,350

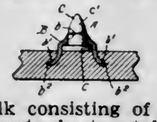
7 Claims. (Cl. 261—96)



1. A carbonating apparatus comprising a carbonating chamber made up of a head member having a water inlet and a gas inlet, an imperforate elongated tubular casing depending from said head member, a hollow porous member disposed within said tubular casing and substantially filling the same and depending from said head member, means connecting the interior of said porous member with the gas inlet, means

connecting the space between said porous member and tubular casing with the water inlet, the space between said porous member and tubular casing being in the shape of a very thin annulus whereby water may be delivered downwardly over said porous member in a very thin sheet while gas is being diffused through said porous member, means for regulating the gas pressure with respect to the water pressure and means for withdrawing carbonated water from said carbonating chamber.

2,072,351
SHOE CALK
Brennan B. West, Cleveland, Ohio
Application June 27, 1934, Serial No. 732,632
7 Claims. (Cl. 36—67)



2. A shoe calk consisting of a solid metallic stud, and a separate sheet metal ferrule, adapted to be assembled in the process of applying; the stud comprising a body portion provided with a head at one end, and the ferrule having an opening for the reception of the body portion of the stud and formed about said opening to receive the head, the material of the ferrule surrounding the opening being projected so as to extend a substantial distance along the body portion of the stud, the ferrule being provided with a plurality of prongs extending from its edge.

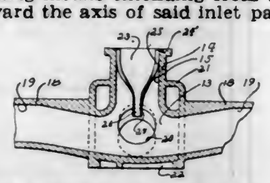
2,072,352
SAFETY GARTER PURSE
Ruth Wyland, New York, N. Y.
Application May 20, 1936, Serial No. 80,673
4 Claims. (Cl. 224—26)



1. A purse comprising a flexible strip of material having a pocket structure on one side formed with a tab extendable over the open mouth of said pocket and through an opening in said strip of material, an element for supporting said strip of material to one's garter so that said purse depends into the top of one's stocking, and means for releasably attaching said tab to the outer face of said strip of material, said element comprising a tab portion constituting a continuation above said opening and itself having an opening through which the button of a conventional garter may engage.

2,072,353
INTERNAL COMBUSTION ENGINE FUEL SYSTEM
Frederick O. Ball, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application December 20, 1934, Serial No. 758,435
11 Claims. (Cl. 123—141)

1. In an internal combustion engine having an intake manifold including a fuel mixture inlet passage and outlet branch passages leading from said inlet passage; a fuel centralizer including a body portion adjacent the walls of said inlet passage for diverting the flow of liquid fuel from said walls including means extending from said body portion toward the axis of said inlet passage for



confining the discharge of said liquid fuel at a location adjacent the longitudinal axis of one of said branch passages and spaced from the junctions of the wall of said inlet passage and the walls of said branch passages.

2,072,354
SCAFFOLDING
John P. Biebel, Belleville, Ill.
Application May 23, 1935, Serial No. 23,067
6 Claims. (Cl. 304—18)

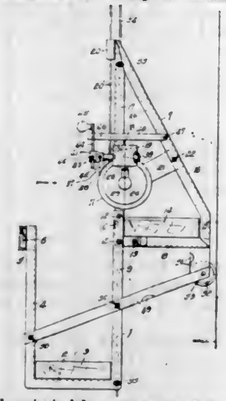


1. In a scaffolding, a support, a flexibly resilient metal member secured to and projecting beyond the upper end of the support and adapted to be supported between a building cornice and a guttering, a cable suspended from the upper end of the support, a platform support suspended from the ends of a shaft supporting a drum upon which the lower end portion of the cable is wound, a sleeve carried by the platform support above the drum to serve as a guide for the cable, and means including a worm gear and a worm for imparting rotary motion to said drum for raising and lowering the platform support.

2,072,355
SCAFFOLDING
John P. Biebel, Belleville, Ill.
Application January 20, 1936, Serial No. 59,813
10 Claims. (Cl. 304—18)

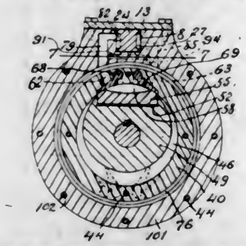
1. A suspending scaffold side frame comprising a lower U-shaped frame member, a hoisting mechanism housing, means for securing one end of the U-shaped frame member to the lower end of the housing, a triangularly shaped frame member disposed above and in front of the U-shaped housing, a cable guide sleeve secured to the rear upper end of the triangularly shaped frame member, means for securing the rear lower end of the triangularly shaped frame member to the housing, means for securing the opposite end of the triangularly shaped frame member to the upper end of the housing, spaced

bearings depending from the forward lower end of the triangularly shaped frame member, a



guide wheel rotatably supported by the bearings, and bracing members connecting the bearing members with the U-shaped frame member.

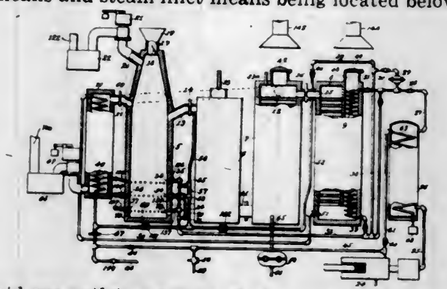
2,072,356
FLUID MOTOR FOR A POWER TRANSMISSION MECHANISM
Walter M. Braly, Louisburg, Kans.
Application July 14, 1934, Serial No. 735,243
15 Claims. (Cl. 121—96)



1. In a power transmission mechanism, a casing, a cylinder rotative in said casing and having a chamber and two ports communicating with said chamber, a stationary piston disposed eccentrically in said chamber, sealing means comprising a propelling wing carried by said cylinder between said ports and bearing at all times on the periphery of said piston, and means for supplying fluid under pressure to said chamber through one of said ports and discharging it through the other port.

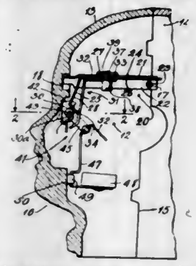
2,072,357
APPARATUS FOR PRODUCING WATER GAS
Hiram J. Carson, Omaha, Nebr.
Original application June 17, 1927, Serial No. 199,572. Divided and this application March 14, 1934, Serial No. 715,400
8 Claims. (Cl. 48—73)

1. In apparatus for generating water gas, a liquid slagging water gas generator comprising a vertical shell having a solid refractory bottom hearth, means for discharging liquid slag, and gas outlet means above the usual incandescent zone of the fuel column; sets of air blasting means located, one at a level adjacent and above said bottom hearth and another at a substantially higher level; steam inlet means located at a level intermediate said sets of air blasting means and at such level that, when the steam is admitted alternately of the air through said air blasting means, the temperature of the lowermost layer of the column of fuel may be maintained for removal of the ash and clinker forming material in the form of liquid slag, all of said air blasting means and steam inlet means being located below



said gas outlet; a source of air connected to said sets of air blasting means; a source of steam connected to said steam inlet means; and independently operable means for shutting off and controllably adjusting the admission of the air and steam alternately through said air blasting and steam inlet means.

2,072,358
DOLL EYE UNIT
Matteo De Cesare, Newark, N. J., and David Cohn, Brooklyn, N. Y., assignors of one-third to said Cohn, one-third to Sam Kalner, and one-third to Karl Ohlbaum, New York, N. Y.
Application September 26, 1934, Serial No. 745,558
14 Claims. (Cl. 46—169)

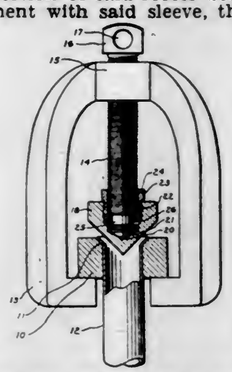


1. In combination with a doll's head, a rail member fixed within the head extending from the front of said head rearwardly, a member slidably mounted on the first member, a bridge having doll's eyes received within the sockets of the doll's head, and resilient means associated with said slidably mounted member for pressing the doll's eyes within said sockets, said bridge being movable bodily toward and away from the front of the doll's head and relatively to said rail member and slidable member.

2,072,359
FLARING TOOL
August C. Dobrick, Chicago, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill.
Application October 4, 1935, Serial No. 43,560
6 Claims. (Cl. 153—81)

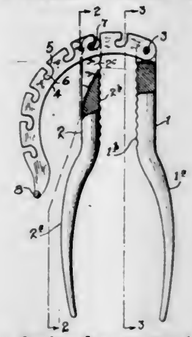
1. A tube flaring tool comprising a frame, a shaft threadable into said frame having a wide annular recess at the lower portion thereof, a threaded sleeve slidable along said shaft, a flar-

ing cone having a recess in the upper side adapted to form a bearing surface for the lower end of said shaft and to freely allow rotation therein, the upper portion of said recess being threaded for engagement with said sleeve, there being a



split ring secured between said cone and said sleeve engaged in the wide annular recess formed on the lower portion of said shaft and adapted to be received in the upper portion of said cone recess, whereby to limit the longitudinal movement of said shaft with respect to said cone.

2,072,360
OPENER FOR SCREW CLOSURES
George Eaton, Cleveland, Ohio
Application December 26, 1935, Serial No. 56,260
1 Claim. (Cl. 81—3.1)



An opening device for screw closures, comprising a pair of lever arms each having a handle portion and a substantially straight closure-gripping portion adapted for tangential engagement with the closure at diametrically opposite points, and a curved intermediate member adapted to extend partially about the closure, one of said lever arms having pivoted connection with the one end of said intermediate member, and the other of said lever arms being adjustable along said intermediate member and having temporary and adjustable connection at spaced points therealong throughout a relatively increased extent by virtue of the curved form of the intermediate member.

2,072,361
DEVICE FOR FLAVORING CIGARETTES
Harry R. Ehrig and Randolph Stone, Chicago, Ill.; said Stone assignor to said Ehrig
Application April 25, 1935, Serial No. 18,098
3 Claims. (Cl. 131—55)

1. A flavoring or scenting device for individual cigarettes comprising a porous, soft, absorbent, flexible and tasteless reed member, an impregnation of flavoring oil in said reed member, and a cover for said reed, the cover consisting of a sealing compound whereby the flavoring oil will



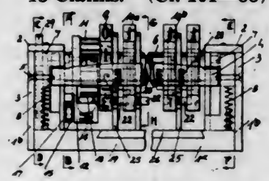
be retained in said reed, said reed being capable of combustion during the burning of a cigarette to release said oil as a vapor, and said sealing compound causing the reed to burn easily.

2,072,362
MERCURY INERTIA SWITCH
Reuben Erich, Avenal, Calif., assignor of one-third to William J. Erich and one-third to Walter G. Erich
Application April 18, 1934, Serial No. 721,146
1 Claim. (Cl. 200—52)



A mercury inertia switch comprising a horizontal tube portion, an upstanding tube leg communicating with said horizontal portion at one end thereof, mercury normally filling said portion and extending into the upstanding leg a predetermined distance, a substantially horizontal ledge formed on the interior of the upstanding leg adjacent the level of the top of the mercury therein and extending lengthwise of and away from the horizontal tube portion, and an electrode projecting into said upstanding leg and terminating adjacent the outer end of said ledge.

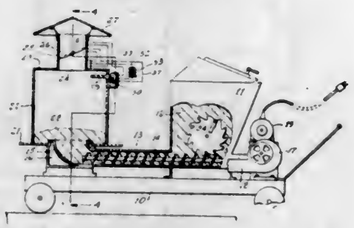
2,072,363
AUTOMATIC NUMBERING DEVICE
Kurt Frenzel, Leipzig, Germany
Application May 23, 1934, Serial No. 727,084
In Germany May 27, 1933
13 Claims. (Cl. 101—88)



1. An automatic numbering device for printing presses, comprising, in combination, a frame, a shaft extending longitudinally through said frame, spring bearings in said frame for said shaft permitting the latter to be depressed by the impression cylinder or platen of a press, a plurality of number wheels on said shaft, a hublike projection on each wheel except the last one on the side facing the next higher number wheel, a spring-actuated radially displaceable slide in said projection, said slide extending with its outer end beyond said projection, a pin carried by said slide, a concentric annular groove in each number wheel except the first on the side facing the preceding number wheel for guiding the pin of the slide of the preceding number wheel, uniformly distributed bulges extending from the inner edge of each annular groove towards the

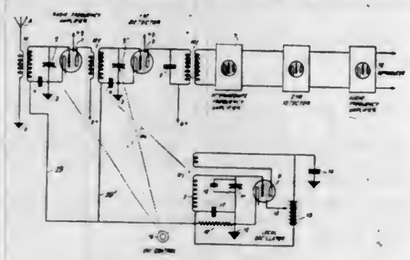
center of the wheel, and a stop at the bottom of the frame under each number wheel for pressing back the slide during the descent of the shaft to cause the pin thereof to engage the annular groove of the adjacent number wheel and to couple both wheels.

2,072,364
SMOKE PRODUCER
Daniel J. Gray and Alfred B. Meeg, Chicago, Ill., assignors to Iron Fireman Manufacturing Company, Portland, Oreg.
Application January 7, 1933, Serial No. 650,686
3 Claims. (Cl. 126—59.5)



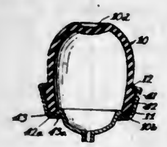
1. In a smoke producer, the combination of a vehicle, a sawdust hopper mounted on said vehicle, a retort including a plenum chamber also mounted on said vehicle, a conveyor worm within a sawdust feed duct communicating between said hopper and retort, a fan for supplying air to said plenum chamber, means for driving said worm and fan, a pressure-tight drum mounted over said retort within which said sawdust may be burned, a smoke outlet at the upper end of said retort having a deflector on the top side thereof and having a damper within said outlet together with an automatic control for said damper including a reversible motor for actuating same in a manner to move said damper in a closing direction during over-temperatures and to move said damper in an opening direction during under-temperatures, and trip means associated with said damper whereby said motor will be stopped in either of its extreme positions.

2,072,365
AMPLIFICATION CONTROL SYSTEM
David Grimes, Dongan Hills, Staten Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 26, 1932, Serial No. 607,535
15 Claims. (Cl. 250—20)



1. In a superheterodyne receiver, a radio frequency amplifier including an electron discharge tube, a frequency changer including an electron discharge tube, a local oscillator including an electron discharge tube, a common means for tuning said amplifier and frequency changer to a desired signal frequency, additional means, simultaneously operative with said common means, for tuning said local oscillator to a frequency differing from said desired signal frequency by a predetermined intermediate frequency, and connections between said local oscillator and said amplifier whereby the direct-current bais for the grid of said amplifier tube increases with increasing signal frequency so that the amplification of the radio frequency tube does not increase at the higher frequencies to the extent that it would with constant grid bias, said connections comprising a resistor and a shunt capacity disposed between the grid and cathode of the oscillator tube and a conductor connected between a point on said resistor and one of the electrodes of said amplifier tube.

2,072,366
REFLEX BULB SYRINGE
George N. Hein, San Francisco, Calif.
Application August 14, 1933, Serial No. 684,966
6 Claims. (Cl. 128—232)



4. A syringe device comprising a bulb of resilient material having an open end and a radially externally projecting resilient portion spaced from said open end providing an external resilient shoulder intermediate the axial length of the bulb, the external wall of the bulb being conically tapered radially inwardly from said shoulder toward the open end of the bulb, and a bowl comprising a body having a bottom provided with a discharge outlet portion, and having a side wall the inner face of which is tapered upwardly and outwardly from said bottom portion, the upper portion of said side wall terminating in a radially inwardly projecting flange defining an opening which is adapted to receive therethrough the tapered wall of the bulb member, said flange being adapted for releasably engaging thereunder the shoulder of the bulb member, and said bowl having at the base of the tapered side wall an annular channel opening upwardly into the bowl, the tapered side wall of the bulb being of sufficient length axially of the bulb so that when the shoulder of the bulb underlies the inward flange of the bowl the opposite end of the tapered wall of the bulb will be disposed in the annular channel of the bowl.

2,072,367
NEUTRALIZING AND INSULATING REFRIGERANT
Joseph M. Hill, Cleveland, Ohio, assignor, by direct and mesne assignments, of two-thirds to Henry S. Narten and Robert Van Stone
No Drawing. Application May 14, 1934, Serial No. 725,657
6 Claims. (Cl. 252—5)

1. A refrigerant mixture comprising a mixture of a soluble refrigerant salt with finely divided absorbent carbon in an amount approximating one third the quantity of salt to retard substantially the rate of absorption of heat and fibrous material for maintaining the carbon in a distributed state throughout the body of the mixture.

2,072,368
TUNGSTEN-BASE ALLOY FOR POINTS OF GOLD NIBS

Alfred Jedele, Hanau-on-the-Main, Germany, assignor to W. C. Heraeus Gesellschaft mit beschraenkter Haftung, Hanau-on-the-Main, Germany, a company of Germany

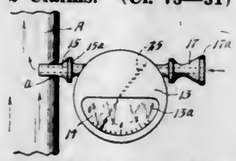
No Drawing. Application January 2, 1935, Serial No. 105. In Germany June 16, 1932
4 Claims. (Cl. 75—176)

4. An alloy for points of gold nibs consisting of from 65% to 80% of tungsten, from 5% to 20% of a metal of the iron group, from 2% to 10% of a hard metal of the class composed of osmium, ruthenium, rhodium and iridium from the platinum group and from 8% to 20% of a soft metal of the class composed of platinum and palladium from the platinum group, the amount of the soft metal of the platinum group being greater than the amount of the hard metal of the platinum group.

2,072,369
PRESSURE INDICATOR

Kenneth S. Jenson, Albert Lea, Minn., assignor to American Gas Machine Company, Albert Lea, Minn., a corporation of Delaware

Application July 1, 1935, Serial No. 29,299
2 Claims. (Cl. 73—31)



2. A pressure indicator including in combination a casing having a pair of spaced ports in communication with the interior thereof, a nipple communicating with one of said ports, the front of said casing having a window therein, a dial mounted in spaced relation from the back of the casing for view through said window, a pintle journaled in said dial and said back, a vane mounted on said pintle and freely swingable between said two ports and a finger carried by said vane and working over said dial, said vane including two radial arms, one of which is slightly heavier than the other and one of which is disposed in a plane at a slight angle to the plane of the other arm.

2,072,370
GAS DISCHARGE TUBE WITH CONTROL CATHODE

Gunther Jobst and Dietrich Prinz, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application February 20, 1933, Serial No. 657,651
In Germany March 4, 1932
2 Claims. (Cl. 250—27.5)

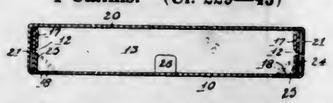


1. An electron discharge tube comprising an envelope, a glow cathode, a heat protecting net surrounding the cathode, a signal control grid and a plate electrode surrounding the net, the plate electrode contacting with the inner surface of the envelope, a gas filling within the tube for neutralizing the space charge around the cathode, a grid electrode interposed between the cathode and the control grid, said grid electrode and said heat protecting net adapted to have suitable potentials impressed thereon for controlling both the density and the velocity of the emitted electrons and the space between the signal grid and the plate electrode being less tan the mean free path of the electrons.

2,072,371
FOLDING BOX CLOSURE AND FASTENER THEREFOR

Ben Kaplan, St. Paul, Minn.

Application February 10, 1936, Serial No. 63,059
4 Claims. (Cl. 229—45)

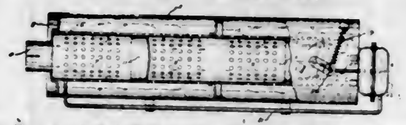


1. In a box constructed from foldable sheet material and having telescoping sections, a flap formed on one of said sections to be folded in overlapping relation to the other section, an opening being formed in the last-mentioned section to receive said flap and a cohesive but non-adhesive coating on the overlapping surfaces of said flap and section whereby said sections may be secured in closed position by inserting said flap into said opening and pressing the coated surfaces one upon the other.

2,072,372
EXHAUST SYSTEM FOR AUTOMOTIVE ENGINES

George A. Kingsley, Detroit, Mich.; Ruth Riethmiller administratrix of said George A. Kingsley, deceased

Application February 23, 1934, Serial No. 712,451
13 Claims. (Cl. 181—38)



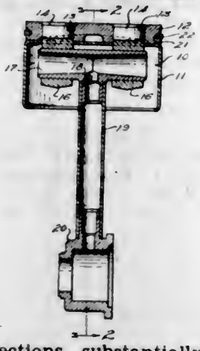
1. In an exhaust system for internal combustion engines, means defining a passageway for conducting the exhaust gases from the engine to the atmosphere, said passageway being of such proportions as to constrict the flow of gases whereby a back pressure is created in the system substantially proportional to the speed of the engine over a certain range, means located in the system for regulating said back pressure, back pressure responsive means actuating said first means, and means resisting the activity of said pressure responsive means, the resistance of said last means being characterized by the fact that it is disproportionate to the speed of the engine over said range.

2,072,373
PISTON, AND PISTON AND CONNECTING ROD ASSEMBLY

Roger K. Lee, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Original application February 16, 1933, Serial No. 657,146. Divided and this application May 19, 1934, Serial No. 726,486
3 Claims. (Cl. 309—16)

1. In a piston having head and skirt portions, said head portion having a flat face and a pair of diametrically spaced openings extending through said head portion and opening outwardly at said flat face, a pair of piston pin bosses each having a flat shoulder engaging one of said portions, said bosses each having an integral projection extending above the shoulder thereof and entering one of said openings, the outer ends

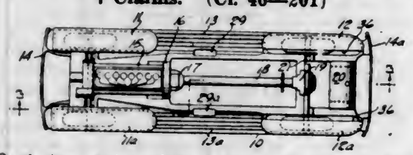


of said projections substantially filling said openings respectively and lying flush with said piston face, said bosses serving to retain said head and skirt portions in assembled position.

2,072,374
TOY VEHICLE

Jack Manoil, Brooklyn, N. Y.

Application February 8, 1935, Serial No. 5,513
7 Claims. (Cl. 46—201)

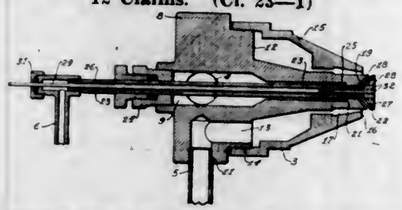


3. A toy automobile having a chassis and a die cast body having thin resilient side walls provided with downwardly projecting catch members, the chassis having co-operative catch receiving elements adapted to receive the catch members to detachably secure the chassis and body together, the body having apertured lugs projecting below the chassis, axles carried in the lugs and wheels on the axles, the chassis being cut away above the axles to prevent contact of the chassis with the axles.

2,072,375
PROCESS AND APPARATUS FOR OXIDIZING MATERIALS

Jean McCallum, St. Louis, Mo., assignor to National Lead Company, St. Louis, Mo., a corporation of New Jersey

Application June 26, 1931, Serial No. 546,952
12 Claims. (Cl. 23—1)



1. In the art of oxidizing molten materials, the process comprising projecting a stream of material in the form of a hollow conical jet, directing an annular blast of air against the jet, and surrounding the jet with an envelope of preheated gas.

2,072,376
PROCESS OF REMOVING FLUORIDES FROM WATER

Ralph H. McKee and William S. Johnston, New York, N. Y.

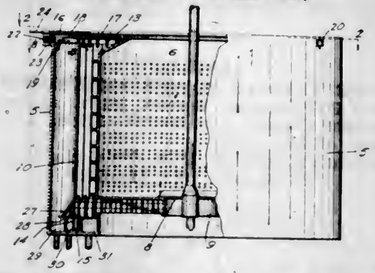
No Drawing. Application November 14, 1934, Serial No. 752,944
13 Claims. (Cl. 210—23)

1. The method of removing fluorides from drinking water which comprises contacting acidified water containing fluorides with residual carbon of the type produced by the soda pulp industry.

2,072,377
CENTRIFUGAL MACHINE

Edwin Morrison, Denver, Colo.

Application February 6, 1934, Serial No. 709,965
11 Claims. (Cl. 210—75)

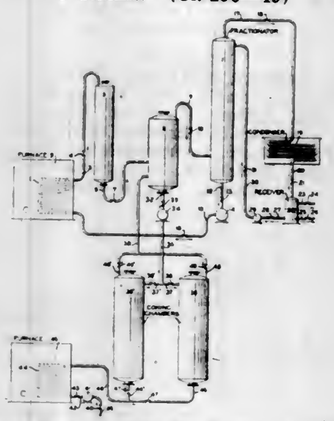


1. In a centrifugal machine, the combination with a rotary basket thereof, of a circular partition spaced from the basket and composed of a series of reversible members having at opposite sides, lips for the discharge of intercepted matters at different distances from the axis of rotation of the basket, and separated launders to receive matters discharged along said lips.

2,072,378
CONVERSION AND COKING OF HYDROCARBON OILS

Edwin F. Nelson, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application March 30, 1932, Serial No. 602,014
3 Claims. (Cl. 196—49)



1. A cracking process which comprises subjecting hydrocarbon oil to cracking conditions of temperature and pressure in a cracking zone,

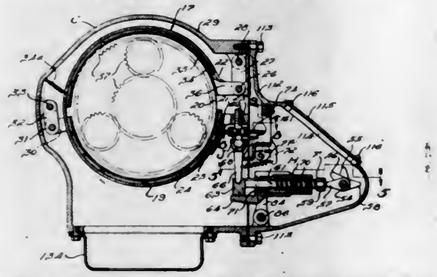
continuously removing reaction products from said zone and flash distilling the same in a flashing zone by pressure reduction, thereby forming vapors and unvaporized oil, removing the latter from the flashing zone and introducing the same to a coking zone, simultaneously passing additional hydrocarbon oil through a second heating zone and heating the same therein to the coking temperature of said unvaporized oil, discharging the thus heated additional oil into the coking zone and into contact with the unvaporized oil therein and distilling the latter substantially to coke by the heat of said additional oil, introducing the vapors evolved in the coking zone into contact with the oil being flash distilled in the flashing zone, removing the admixed vapors from the flashing zone and fractionating the same to condense heavier fractions thereof, supplying resultant reflux condensate to said cracking zone and finally condensing the fractionated vapors.

2,072,379

MOTOR VEHICLE POWER TRANSMISSION

Herbert F. Patterson, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application April 18, 1934, Serial No. 721,108
26 Claims. (Cl. 74—262)



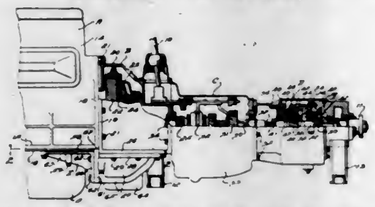
1. In a motor vehicle planetary transmission having a plurality of speed ratio controlling braking devices, mechanism for selectively operating and releasing said braking devices, fluid pressure operated means for operating said mechanism, fluid pressure operated means for releasing said mechanism, and manually operated means for controlling operation of said fluid pressure means.

2,072,380

POWER DRIVING DEVICE

Karl Pfeiffer, Detroit, Seth T. Foresman, Royal Oak, and Arthur H. Fries, Highland Park, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application March 23, 1935, Serial No. 12,612
6 Claims. (Cl. 74—606)



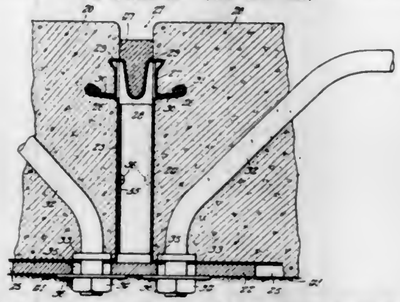
1. In a drive for a motor vehicle including an engine structure, a clutch structure projecting rearwardly from the engine structure, a speed ratio changing structure projecting rearwardly from said clutch structure, and an overdrive structure projecting rearwardly from said speed changing structure, said clutch structure including a housing and a bottom cover therefor, means for dampening drumming tendency of said overdrive structure and including a longitudinally extending stiffening rib projecting downwardly from said clutch housing cover.

2,072,381

CONCRETE SLAB JOINT

Chester L. Post, Chicago, Ill.

Application June 8, 1934, Serial No. 729,569
8 Claims. (Cl. 94—18)



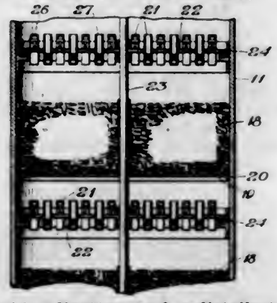
1. A joint for concrete slabs comprising a relatively-permanent load-carrying structure to substantially underlie adjacent edges of two slabs, load-transmitting embedible members projecting upwardly from said load-carrying structure on opposite sides of its medial line and each capable of transmitting slab loads from the load-carrying structure to the slab in which it is embedded, relatively weak non-load-transmitting slab-end defining-sheet material supported by said load-carrying structure between said embedible members.

2,072,382

COUNTER CURRENT CONTACTOR

Jack Robinson, East Alton, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application March 28, 1935, Serial No. 13,422
6 Claims. (Cl. 23—270)



1. A liquid collection and redistribution means for a vertical countercurrent contactor for contacting two liquids differing in specific gravity and at least partially immiscible with each other comprising a circular partition, means for rotating said partition, said partition being divided into sectors for the collection of sector-shaped pools of liquid adjacent said partition, means for permitting liquid from said pools to pass through said partition while said partitions and said pools

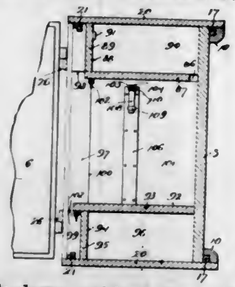
are rotated, whereby said liquid is distributed substantially uniformly throughout the cross sectional area of said contactor after passing through said partition.

2,072,383

KNOCK DOWN CABINET

George Rottman, Brooklyn, N. Y.

Application February 6, 1934, Serial No. 709,945
2 Claims. (Cl. 312—143)



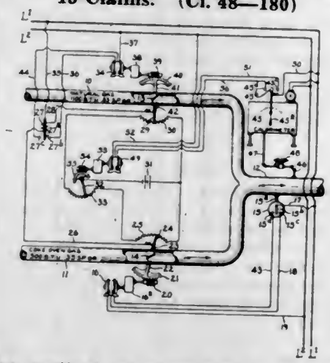
1. A knock-down cabinet including top and bottom walls, side and back walls, and means for slidably securing said walls in assembled position to form a compartment, and a door for closing said compartment, said side walls having horizontal slots extending inwardly from the open side of the cabinet, vertical slots disposed adjacent the open side of the cabinet and communicating with said horizontal slots, panels slidable in said horizontal and vertical slots and co-operating with the walls of said receptacle to form a compartment within the main compartment of said receptacle, said side walls being reduced in thickness adjacent the open side thereof to permit said vertical panels to be moved into alignment with said vertical slots.

2,072,384

METHOD OF AND APPARATUS FOR PROPORTIONING COMBUSTIBLE FLUIDS

Edwin X. Schmidt, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application December 1, 1933, Serial No. 700,549
15 Claims. (Cl. 48—180)



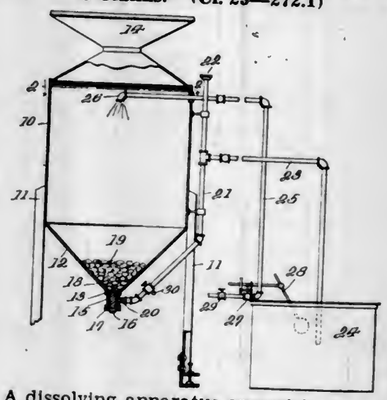
1. The method of maintaining substantially constant the values of a plurality of different characteristics, such as the total heating value per unit volume and the specific gravity of a mixture of combustible gaseous fluids, which comprises effecting a multiplicity of initially volumetrically proportioned flows of fluids, combining said flows to provide the mixture, separately and simultaneously ascertaining the instantaneous values of the aforementioned characteristics of said mixture, and individually varying the relative volumetric rates of the respective flows in accordance with and to compensate for variations in said instantaneous values of said characteristics with respect to the values preselected therefor.

2,072,385

DISSOLVING APPARATUS

Simon Bernard Schwartz, New Orleans, La., assignor to Myles Salt Company, Ltd., New Orleans, La., a corporation of Louisiana

Application November 18, 1935, Serial No. 50,467
3 Claims. (Cl. 23—272.1)



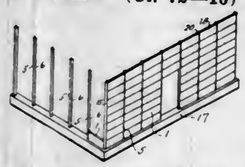
1. A dissolving apparatus comprising a vat for solid material to be dissolved, said vat having a downwardly tapered bottom wall terminating in an outlet opening, an outlet pipe depending from said opening, a screen fitted in said outlet pipe, a gravel bed located within said vat and covering the opening in the bottom wall thereof whereby to prevent the passage therethrough of solid particles while permitting the passage therethrough of the solution, said screen serving to support the gravel bed and to prevent the passage of the gravel into the outlet pipe, a plug closing said outlet pipe and serving to support the screen therein, a hopper for delivering the solid material to the vat, means for admitting a solvent to the mass of solid material in the vat, and a delivery pipe connected to said outlet pipe intermediate the ends thereof and extending upwardly on the outside of said vat whereby to maintain a definite liquid level in the vat.

2,072,386

WALL CONSTRUCTION

Harold S. Smallwood, Tacoma, Wash.

Application January 20, 1936, Serial No. 59,823
4 Claims. (Cl. 72—16)



1. In a wall construction, a series of spaced posts, each post having flaring flanges forming a

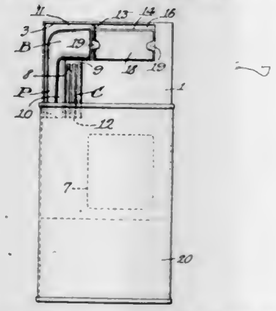
vertical recess between them; preformed concrete slabs, each slab being longer than the distance between the edges of adjacent posts, and entering the recesses in said posts; an angle-iron engaging the outer edges of all the posts in a wall; and a series of holding plates secured to said angle iron and engaging the inner edges of each said post.

2,072,387
SAFETY CORDAGE
Stephen P. F. Sneed, Atlanta, Ga.
Application December 27, 1933, Serial No. 704,190
15 Claims. (Cl. 96—26)



11. In a connecting device for assuming tensile loads, an outer casing which is subject to tension and adapted to assume the entire load when the device is loaded, and a core member condensed within said outer casing and frictionally engaging the inner wall thereof and being entirely free of tension when the load is assumed by said outer casing, said core member being adapted to play out upon the rupture of said outer casing to prevent complete parting of the connecting device, the playing out of said core member being retarded by the frictional engagement thereof with the inner wall of said outer casing.

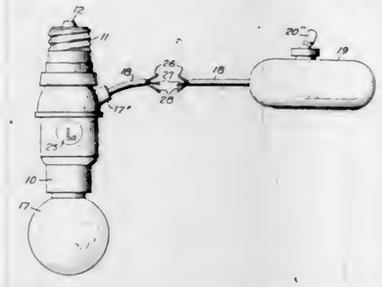
2,072,388
TOBACCO BOX
Charles Snyder, Newark, N. J.
Application July 3, 1936, Serial No. 88,874
2 Claims. (Cl. 206—38)



1. A tobacco box including a container, a tobacco compartment therein having an opening in its front wall and spaced from one side and end of the box to provide a compartment for holding a pipe stem and bowl, one end of the tobacco compartment providing a support for the bowl and one end portion of the pipe compartment being open at one side, and a sleeve-like closure surrounding and slidable on the box in one direction to expose the opening of the tobacco compartment, and in the opposite direction to expose the opening in the pipe compartment, said openings being normally closed by the closure.

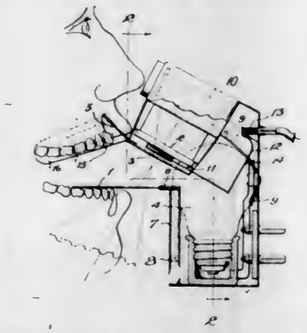
2,072,389
EXTENSION SWITCH
Daniel L. Stayton, Los Angeles, Calif.
Application July 21, 1933, Serial No. 681,519
3 Claims. (Cl. 171—97)

1. In combination an adapter unit having an attachment plug, a receptacle for receiving an electrical device and a three-way switch, an extension cord having one or more switches connected thereto and connected to selected contacts



of said adapter, said switches and connections being so arranged as to provide selective control of said electrical device from any of said switches.

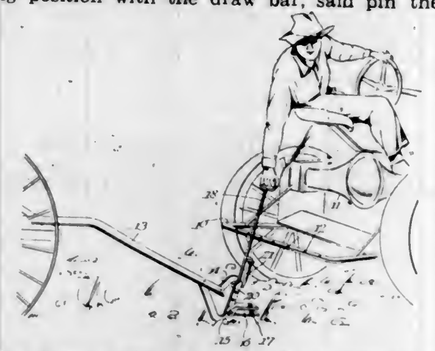
2,072,390
APPARATUS FOR TAKING PHOTOGRAPHS OF THE UPPER AND LOWER JAWS
Hendrik van Hartingsvelt, Bussum, Netherlands
Application March 30, 1936, Serial No. 71,760
In the Netherlands January 3, 1935
9 Claims. (Cl. 95—11)



1. In combination, a plate-like mirror shaped substantially in conformity with the contour of the mouth and adapted to be inserted therein and applied against one set of teeth for fully reflecting the occlusal surfaces of the teeth of the other set, a support carrying said mirror, and a camera mounted on said support and focused on the reflected image of the teeth.

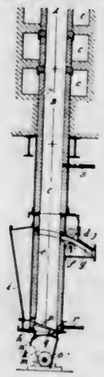
2,072,391
COMBINED LIFTING AND COUPLING TOOL
Thomas T. Varney, Jr., Broken Bow, Nebr.
Application June 29, 1936, Serial No. 88,059
1 Claim. (Cl. 280—33.15)

In a hitch for use between a tractor and a trailing implement wherein the tractor is provided with a draw bar having an aperture for the reception of a coupling pin and the trailer is provided with a draft member having a portion provided with an aperture adapted to mate with said tractor draw bar and to accommodate a lift hook, a combination lift and coupling tool comprising a rod divided at one end to form a hook and a coupling pin, the shank of the hook being spaced from the pin and the hook portion thereof extending outwardly from said pin, whereby the draft bar of the implement may be lifted to mating position with the draw bar, said pin then



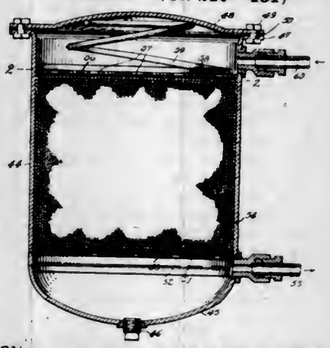
being inserted through said mating portions to complete the coupling.

2,072,392
VERTICAL RETORT FOR THE CARBONIZATION OF COAL AND THE LIKE
Frederick Joseph West and Ernest West, Manchester, England, assignors to West's Gas Improvement Company Limited, Manchester, England, a British company
Application February 17, 1933, Serial No. 657,288
In Great Britain March 12, 1932
1 Claim. (Cl. 202—262)



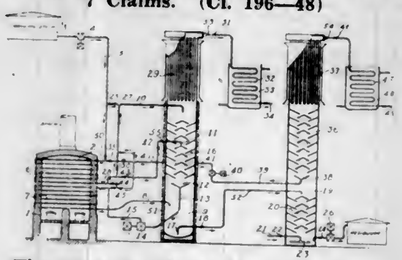
In a tubular vertical retort for the continuous carbonization of coal and like carbonaceous material, superposed combustion or heating chambers around the upper portion of the retort for heating the latter to carbonize the material therein, a movable gate having an upright wall hinged at the bottom of the retort and adapted to cut off the lower portion of the retort from the upper portion thereof, a fixed casing surrounding said wall providing sealing from the atmosphere, the said cut-off portion being by volume less than one-half and not an aliquot part of the unheated section of the retort, means injecting steam into the cut-off portion and into the other part of the unheated section of the retort, and a discharge door at the base of the retort for discharging the contents of the cut-off portion when the gate at the top thereof is closed, said movable gate being integral with said upright wall, the closing of the gate and the consequent movement of the upright wall enlarging the cut-off portion of the retort to facilitate coke discharge.

2,072,393
PRESSURE FILTER
Southwick W. Briggs, Glenmont, Md.
Application February 5, 1934, Serial No. 709,881
2 Claims. (Cl. 210—131)



1. A filter comprising a substantially cylindrical casing having an intake adjacent one end and an outlet adjacent the other end, a pair of spaced apart perforate partitions in the casing between the intake and outlet and dividing the casing into an intake chamber, an outlet chamber and an intermediate filtering chamber, the partition between the intake and filtering chamber being movable, a removable end wall for said intake chamber provided with a concave offset axial portion, a spring in said intake chamber having one end thereof relatively large and engaging against said movable partition adjacent the marginal edge portion thereof and the other end relatively small and engaging within said concave axial portion, and a granular filtering means within said filtering chamber adapted to remove impurities in the oil passing therethrough.

2,072,394
PROCESS OF CRACKING HYDROCARBON OILS
Charles B. Buerger, Pittsburgh, Pa., assignor, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 21, 1926, Serial No. 123,906
7 Claims. (Cl. 196—48)



1. The process of cracking petroleum oils which comprises setting into motion a continuous forwardly moving principal stream of oil, heating this forwardly moving stream and progressively raising its temperature up to a cracking temperature and effecting partial vaporization thereof, conducting the heated stream to an enlarged zone and there continuously separating the vaporized portion from the unvaporized portion of the oil, continuously removing substantially all of the unvaporized portion of the oil from the presence of the separated vapors, substantially reducing the pressure on and introducing steam into this unvaporized oil and thereby

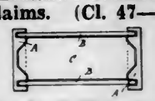
effecting additional vaporization thereof, continuously removing substantially all liquid oil from the presence of the vapors of the second separating step and discharging this oil from the process, maintaining the oil during the heating stage and first vapor separating stage under pressure substantially above atmospheric, selectively condensing the vapors from the first separating stage and returning a portion of this condensate back into the principal stream at a point in the heating stage where the temperature of the stream of flowing oil has already been very substantially elevated but has not yet attained its final temperature, and selectively condensing the mixture of oil and water vapors from the second vapor separating stage and thereby separately securing a desired water-free oil fraction and returning this fraction for further cracking to the principal stream at the commencement of the heating stage.

2,072,395

COLLAPSIBLE FLOWER BOX IN WHICH TO GROW PLANTS

Victor Sidney Dodson, London, England

Application October 24, 1936, Serial No. 107,441
In Great Britain November 5, 1935
2 Claims. (Cl. 47—34)



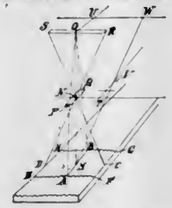
1. A collapsible flower box in which to grow plants comprising two independent side sections, an independent bottom section and two independent end sections, grooves in said end sections, said grooves extending for the greater part of the height of said end sections to receive the ends of the side sections, channels in the centre of said end sections from the top to nearly the bottom thereof for receiving the ends of the bottom section, said ends resting on the unchannelled part of said end sections.

2,072,396

PRINTING LENTICULAR FILM

John Eggert, Leipzig-Gohlis, and Gerd Heymer, Wolfen Kreis Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application February 27, 1934, Serial No. 713,186
In Germany February 28, 1933
9 Claims. (Cl. 95—75)



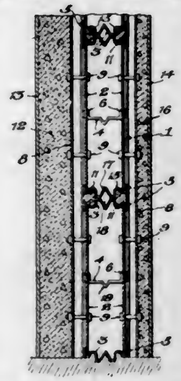
1. In an apparatus for printing lenticular film on lenticular film in combination, a lenticular film bearing an original and a printing film in contact, with their lenticular elements forming an angle and with the smooth side of the original facing the embossed side of the printing film, a source of light arranged on the side of the original, and means for controlling the light projected on the films so that the incidence of the light rays projected on the original corresponds with the incidence of the light rays of each partial color on the original in taking and that simultaneously the incidence of the light rays projected on the printing film is changed to a predetermined value corresponding to the incidence of the light rays of each partial color to be used on the printed film in projection.

2,072,397

BUILDING WALL CONSTRUCTION

Warren N. Emrick, Youngstown, Ohio

Application October 27, 1936, Serial No. 107,869
5 Claims. (Cl. 72—48)



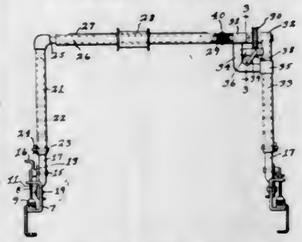
1. A building wall construction, comprising superimposed, horizontally extending units of metallic material, each said unit including spaced side members and horizontally disposed spacer members therebetween having provision for expansion and contraction in the direction of the thickness of the wall and also in a vertical direction, substantially vertically disposed metallic stiffening members connecting said superimposed units, and cementitious material applied to at least one outside surface of the metallic structure build up as aforesaid.

2,072,398

KNOCK-DOWN AND ADJUSTABLE TRANSMISSION HOIST

William Q. Faulk, St. Petersburg, Fla.

Application September 29, 1936, Serial No. 103,196
9 Claims. (Cl. 254—145)



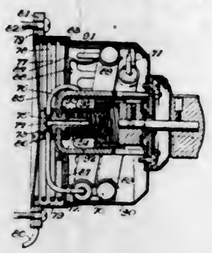
1. A transmission hoist comprising two longitudinal braces, a clamp fastened to each end of the same for securing the braces rigidly to the sides of a vehicle, an upright bar pivoted at its lower end to each brace between the ends thereof, means carried by said braces and bars for rigidly securing the bars at any desired angle to the horizontal, a cross yoke between said bars and including a winding drum and means to operate the same.

2,072,399

THERMOSTATIC RADIATOR VALVE

Jean V. Giesler, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware

Application October 19, 1933, Serial No. 694,323
12 Claims. (Cl. 236—42)



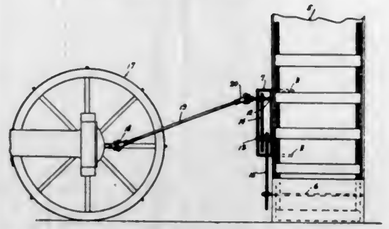
1. In a temperature regulator for heat exchangers, in combination with valve mechanism for controlling the flow of a heating medium, an expansible and collapsible motor vessel subjected to the temperature of said heating medium and operatively connected to said valve mechanism, means containing a vaporizable liquid responsive to changes in temperature of the medium to be controlled for injecting predetermined quantities of said vaporizable liquid into said hot motor vessel, said means including a coiled elongated tube constituting a container for said volatile liquid a housing for said container, a partition in said housing providing a storage compartment separated from the compartment in which said container is subjected to the medium to be controlled, and a long flexible conduit connecting said container and vessel and adapted to permit said container to be positioned relatively remote from said vessel, said conduit adapted to be coiled in said compartment when said container is to be positioned at a distance from said vessel which is less than the length of said conduit.

2,072,400

DRIVING MEANS FOR GRAIN ELEVATORS

Jacob D. Hofer, Tabor, S. Dak.

Application April 25, 1936, Serial No. 76,459
2 Claims. (Cl. 74—219)



1. A sprocket mounting for a power take-off for elevators comprising a bracket in the form of an open frame including upper and lower frame members and spaced parallel vertical frame members, upper and lower attaching arms extending from one side of the bracket in alignment with the upper and lower frame members for attaching the bracket to one side of the elevator, said vertical members having aligned bearing bosses formed on their opposed faces and shaftings journalled in said bearing bosses and a shaft extension projecting outwardly from the bracket forming a drive connection for said shaftings.

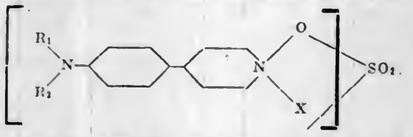
2,072,401

PHENYL-PYRIDINIUM SULPHONIC ACID DYESTUFFS AND A PROCESS OF PREPARING THEM

Ernst Koenigs, Breslau, and Edgar Ruppelt, Waldenburg, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application October 17, 1934, Serial No. 748,762. In Germany October 18, 1933
8 Claims. (Cl. 260—42)

1. The compounds of the general formula:



wherein R_1 and R_2 represent members of the group consisting of alkyl and aralkyl groups of the benzene series and X represents members of the group consisting of hydrogen, alkyl and aralkyl groups of the benzene series, the free bond of the SO_2-group being bound at an isocyclic nucleus of the molecule, said compounds being dyestuffs dyeing wool and silk beautiful greenish-yellow tints.

2,072,402

DIETETIC FOODSTUFF AND PROCESS FOR PREPARING SAME

Erich Kretschmer, Munich, Germany, assignor to Krause Medico Gesellschaft mit beschränkter Haftung, Munich, Germany

No Drawing. Application November 19, 1932, Serial No. 643,527
5 Claims. (Cl. 99—104)

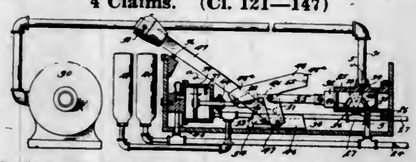
1. A process for preparing a dietetical medicinal foodstuff which comprises powdering unripe apples, drying the powdered mass while maintaining it at a temperature not exceeding 50° C, treating the dried mass with a low boiling neutral organic solvent completely removable by volatilization, at reduced pressure, below 50° C. and drying again substantially without removing any substances contained in the unripe apples, except the water.

2,072,403

VALVE GEAR FOR A LIQUID PUMP OPERATING MOTOR

Christian A. Lausen, Fort Worth, Tex.

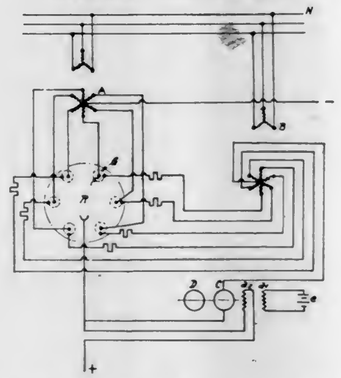
Application August 8, 1935, Serial No. 35,370
4 Claims. (Cl. 121—147)



1. A control valve for regulating flow through two pipe lines, said control valve mechanism comprising a cylinder, a piston slidably mounted in said cylinder, pipe connections between the cylinder on opposite sides of the piston mounted therein and the pipe lines, a rockable member, a link connection between the rockable member and the control valve, a pivoted weighted lever adjacent the rockable member, stops carried by the rockable member and between which the weight lever has freedom of movement, a piston rod carried by the piston, a yoke carried by the

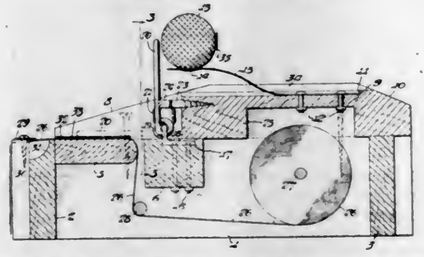
piston rod, a lug carried by the weight lever and extending through the yoke, said yoke cooperating with said last named lug for shifting the weight lever to positions beyond a vertical whereby the weight lever will fall by gravity against the pins carried by the rockable member for accelerating the movement of the valve shifting.

2,072,404
MERCURY VAPOR RECTIFIER
Louis Leroy, Paris, France, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Societe Anonyme, Paris, France, a French joint-stock company
Application May 11, 1933, Serial No. 670,586
In France May 27, 1932
2 Claims. (Cl. 175—363)



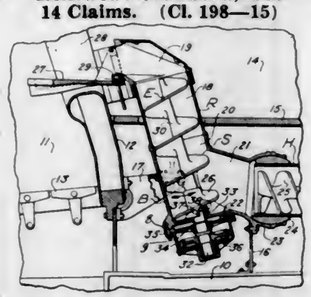
1. In combination with a mercury vapor rectifier having an anode and control electrode, means for applying to said control electrode an alternating voltage having superposed thereon a variable direct voltage, and a generator for supplying said variable direct voltage, said generator having two opposing field windings, one of said field windings being separately excited and the other of said field windings being fed by the current supplied by the rectifier.

2,072,405
RECORDING GOLF TEE
George F. Lindsley, Wauwatosa, Wis.
Application April 20, 1934, Serial No. 721,583
12 Claims. (Cl. 273—35)



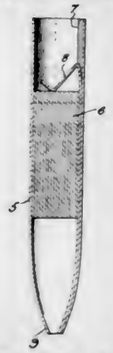
1. In a practise device for golf players the combination of a frame member having a loosely pivoted normally upright pin adapted to be forced to a horizontal position by a driven golf ball, and a record receiving sheet to be contacted by said pin for recording the character of the drive on said record receiving sheet.

2,072,406
CONVEYER
Henry E. Lippert, Pittsburgh, Pa.
Application January 16, 1934, Serial No. 706,841
Renewed November 2, 1935
14 Claims. (Cl. 198—15)



1. In a conveyer, a conduit having an end wall and an opening adjacent said wall through which fuel is received, a screw within said conduit arranged to normally convey fuel therethrough upon rotation in one direction, said screw having a helically formed vane, and means on one side only of said vane having a fuel pushing face for preventing packing of the fuel against said wall and for discharging it laterally with respect to the axis of said screw only when the screw is rotated in the opposite direction, said face normally being inoperable to act upon the fuel.

2,072,407
INHALER
James E. Plew, Valparaiso, Fla.
Application November 4, 1936, Serial No. 109,161
1 Claim. (Cl. 128—200)



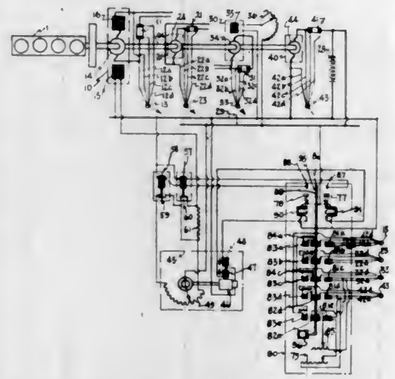
An inhaler comprising a sheet of material rolled to form a substantially cylindrical casing, a filler of medicated material enclosed in said casing, said casing being flattened at one end to retain the filler within said casing, and a stop integral with said sheet and bent across the cylinder to prevent removal of the filler therefrom.

2,072,408
METHOD OF TREATING POROUS MASSES
Elly Poliak, Vienna, Austria
No Drawing. Application November 30, 1934, Serial No. 755,507. In Austria December 4, 1933
17 Claims. (Cl. 91—70)

1. The process which comprises incorporating with porous material a solution of at least one product obtained by condensing formaldehyde in

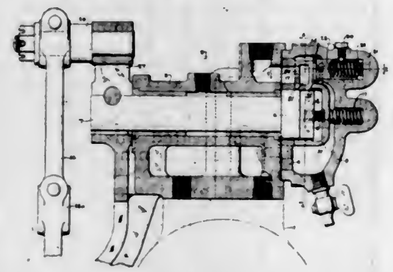
the presence of catalysts with a substance selected from the group consisting of: dicarboxylamides of hydrazine, substitution products of dicarboxylamides of hydrazine, and mono-thio derivatives of dicarboxylamides of hydrazine, and after the incorporation, hardening the condensation product by means of heat.

2,072,409
METERING MEANS
Henry Rosenthal, New York, N. Y.
Application February 1, 1934, Serial No. 709,262
17 Claims. (Cl. 171—95)



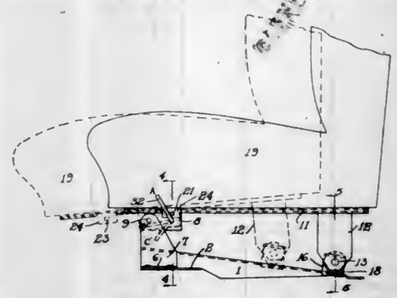
2. A measuring means comprising an actuating element, a similar restraining element in opposition to the actuating element, means functionally connecting the actuating element and restraining element together, separate measuring means responsive to a function acting on one of said elements, controlling means acting to adjust said last mentioned function simultaneously to said last named element and said separate measuring means, and relay contacts brought into connection when the actuating element and the restraining element are out of balance, whereby said controlling means is adjusted and said restraining element brought into balance with said actuating element.

2,072,410
POWER REVERSE GEAR
Ellwood M. Shannon, Bala, and James F. McMenamin, Philadelphia, Pa.
Application September 29, 1933, Serial No. 691,460
10 Claims. (Cl. 121—41)



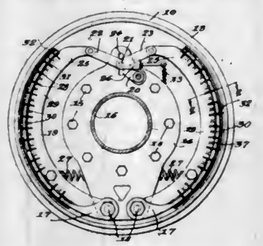
1. A valve mechanism for a power reverse motor comprising, in combination, a valve body having a plurality of cylinder ports and an exhaust port, and an oscillatable flat valve element having a double lap closure for said exhaust port and a single lap closure of each of said cylinder ports.

2,072,411
VEHICLE SEAT
Le Roy Smelker, Dayton, Ohio
Application April 29, 1935, Serial No. 18,941
9 Claims. (Cl. 155—14)



1. The combination with a vehicle seat, a rail mounted on the floor of the vehicle and having an inclined top surface, a supporting member pivotally connected to the front end of said rail, a support for said seat slidable over the pivoted member, and an elevating bracket secured at its upper end to the seat support, and slidable at its lower end upon the inclined top surface of said rail.

2,072,412
BRAKE MECHANISM
John P. Tarbox, Philadelphia, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 1, 1932, Serial No. 645,159
3 Claims. (Cl. 188—78)

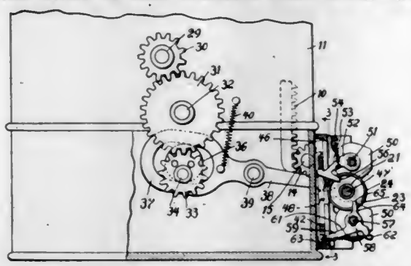


1. A brake shoe of T-section, the web head of said shoe being transversely split at frequent intervals throughout a portion of its radial extent, whereby the head portion of said shoe is rendered flexible.

2,072,413
REGISTER
Albert S. Wheelbarger and George H. Darst, Dayton, Ohio, assignors, by mesne assignments, to Central United National Bank, Cleveland, Ohio, as trustee
Application August 5, 1929, Serial No. 383,460
11 Claims. (Cl. 235—6)

1. In a machine of the type described, a pair of counters, means tending to operate both of said counters each time the machine is operated, a single disk for said pair of counters and a

flange forming a part of said disk to prevent one or the other of said counters from being oper-



ated and means whereby said disk may be adjusted.

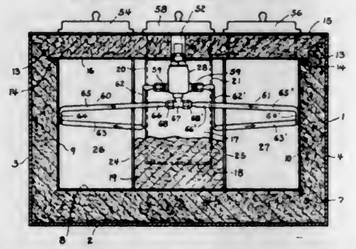
2,072,414

REFRIGERATING APPARATUS

Daniel D. Wile, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application February 17, 1933, Serial No. 657,169

8 Claims. (Cl. 62—101)



6. A refrigeration apparatus comprising a circulatory system, means to abstract heat from one portion of said system, said system having another portion in heat absorbing relation to a region to be cooled, an expansible and contractible liquid in said system adapted to circulate due to difference in temperature between said portions, said liquid normally filling said system to a level to establish a continuous liquid circuit and having its volume variable in accordance with its heat content, said system including a chamber having inlet and outlet ports, a tubular member movably supported in said chambered element and extending upward from one of said ports, said tubular member having an overflow edge portion, and means to raise and lower said tubular member to regulate the extent of contraction of said liquid which will interrupt the liquid circuit.

2,072,415

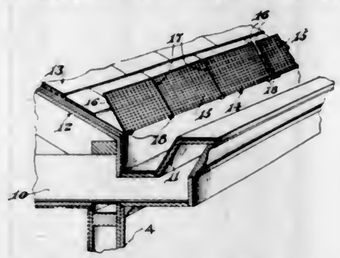
GUTTER PROTECTOR

Wyatt E. Abbitt, Charleston, W. Va.

Application June 19, 1934, Serial No. 731,336

1 Claim. (Cl. 108—30)

As a new article of manufacture, a gutter protector comprising an elongated wire mesh body, transversely extending reinforcing stiffening wires of a larger gauge than the wire mesh body arranged in spaced relation throughout the length of the body intermediate the ends of the body and extending across the full width of the body from the rear edge to the front edge thereof whereby the body throughout its length may be stiffened and braced at spaced intervals to prevent the sagging and warping of the wire mesh body when leaves and other debris accumulate upon the body, the wire mesh body constituting the sole marginal outer edge of the protector,



and hinge means secured to the body in close proximity to the stiffening wires.

2,072,416

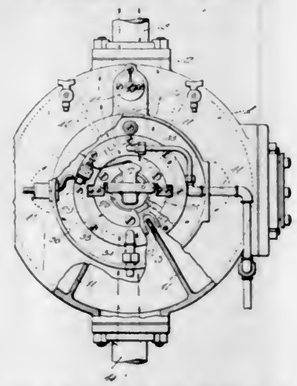
METHOD OF IRRADIATING SUBSTANCES WITH ACTIVE RAYS

Edward C. Berndt, Norwalk, and Harry M. Creighton, East Norwalk, Conn., assignors to R. U. V. Engineering Corporation, South Norwalk, Conn., a corporation of Delaware

Application January 16, 1933, Serial No. 652,020

Renewed March 22, 1935

19 Claims. (Cl. 99—13)



1. The method of treating while in a state capable of being mixed a partially opaque substance with ultra-violet rays which substance is also capable of having desirable properties imparted thereto when said substance is exposed to a given amount of said treatment and which is also capable of having undesirable properties imparted thereto when said substance is exposed to a greater amount of said treatment, comprising treating a body of said substance at rest by exposing the same to the influence of said rays to impart beneficial properties to only a fractional portion of the substance forming said body, discontinuing said treatment when only said fractional portion of the body has been treated, mixing the treated portion of the substance forming said body with the untreated portion thereof while said treatment is discontinued, and thereafter alternately beneficially treating fractional portions of said mixed body with said active rays as aforesaid, and mixing the substance after each treatment, as aforesaid, until the summation of the amounts of treatment received during the exposures of said fractional portions is less than the time required to impart undesirable properties to any portion of said body.

2,072,417

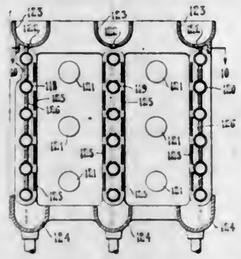
METHOD OF IRRADIATING SUBSTANCES WITH ACTIVE RAYS

Edward C. Berndt, Norwalk, and Harry M. Creighton, East Norwalk, Conn., assignors to The R. U. V. Engineering Corporation, South Norwalk, Conn., a corporation of Delaware

Application January 19, 1934, Serial No. 707,257

Renewed May 26, 1936

29 Claims. (Cl. 99—13)



1. A method of irradiating a partially opaque substance by exposures to ultraviolet rays to produce a beneficial effect therein and without imparting an undesirable effect thereto, which comprises the steps of exposing the substance to the influence of ultraviolet rays, and while maintaining said substance in the normally effective range of said rays intermittently cutting off the action of said rays upon the substance, the duration of each exposure being sufficiently short and operating conditions such that no substantial mixing takes place during such exposures, and mixing the substance between exposures.

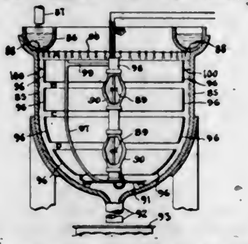
2,072,418

IRRADIATING APPARATUS

Edward C. Berndt, Norwalk, and Harry M. Creighton, East Norwalk, Conn., assignors to R. U. V. Engineering Corporation, South Norwalk, Conn., a corporation of Delaware

Application October 24, 1936, Serial No. 107,361

13 Claims. (Cl. 99—248)



1. An apparatus for irradiating with ultraviolet rays a partially opaque liquid in a layer thicker than that through which said rays will effectively penetrate to produce the vitamin D effect or any other beneficial effects therein and without imparting any undesirable detrimental effects thereto, comprising mechanism for producing a moving layer of said liquid and a source of ultraviolet rays to which said layer is exposed, said mechanism including means for successively flowing said layer free from substantial mixing and then mixing the same, in combination with a plurality of means opaque to said rays and located between said source of rays and said layer for shielding the liquid from the effects of said rays while the same is being mixed, and means for supplying to said ultraviolet ray source sufficient energy to impart only beneficial effects to said liquid during the exposures of the latter to said rays.

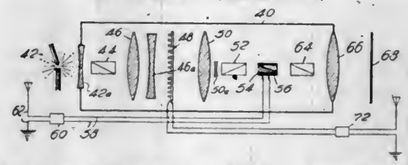
2,072,419

TELEVISION METHOD AND APPARATUS

Charles A. Birch-Field, Larchmont, N. Y., assignor, by mesne assignments, to Mildred S. Reisman, New York, N. Y.

Application June 26, 1931, Serial No. 546,984

21 Claims. (Cl. 178—6)



1. Scanning apparatus for the purpose of reproducing an image of a scene at points removed from the locality of the scene, which includes: means for polarizing light rays emanating from a source or scene, and a plurality of individually and periodically active magnetic field producing means for breaking up the polarized light rays into a plurality of consecutively visible light sensations, each of which has the intensity of a distinct portion of the source or scene.

2,072,420

WITHDRAWN

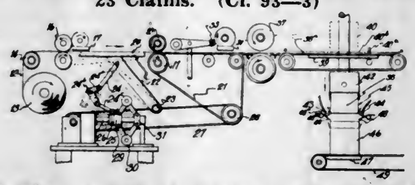
2,072,421

FORMATION OF PACKAGES

Adrian O. Daller, Dennisport, Mass., assignor to Utility Packages, Inc., a corporation of New York

Application March 17, 1933, Serial No. 661,265

23 Claims. (Cl. 93—3)



1. The method of forming packages, which comprises providing a stripe of dry adhesive on one edge of a sheet, adhesive being provided elsewhere on the sheet for use in the formation of a bag from the sheet, forming the sheet into a bag with said stripe of dry adhesive on the inside of the top of the bag, filling the bag, and sealing the top by means of said stripe of dry adhesive without said stripe being reactivated.

2,072,422

NECKTIE

Ibel E. Dickinson, Los Angeles, Calif., assignor of one-tenth to John L. Greer and one-tenth to Jacob J. Kogan, both of Los Angeles, Calif.

Application February 3, 1936, Serial No. 62,159

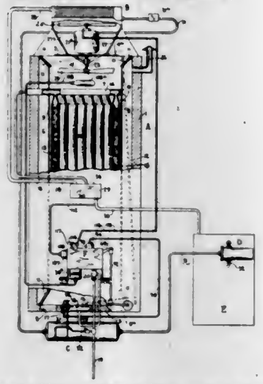
1 Claim. (Cl. 2—146)



A necktie construction comprising a fabric cut to provide a face portion and wing portions adapted to be folded to form the back face or portion of the necktie, a lining substantially

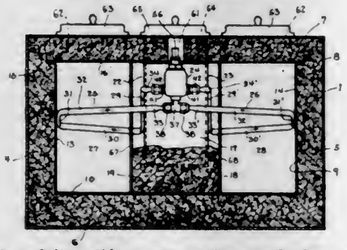
exactly the size of the face portion of the fabric, said lining being stitched along its longitudinal medial line, and from one extremity thereof to the other, to the folded longitudinal edges of said wing portions of the necktie, the face portion and said folded wing portions being stitched at the terminal ends of the necktie, by a row of stitching, to the terminal end portions of the lining, whereby said lining is prevented from being displaced relative to the fabric portion of the necktie.

2,072,423
REFRIGERATING APPARATUS
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Original application June 17, 1930, Serial No. 461,669. Divided and this application July 30, 1934, Serial No. 737,526
22 Claims. (Cl. 62—5)



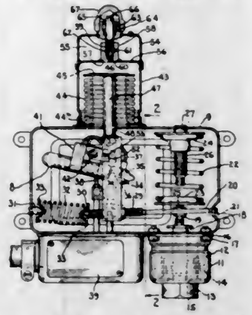
1. A refrigerating apparatus, comprising a generator-absorber, a condenser and an evaporator connected in operative relation, means to heat said generator-absorber, control means operative in one position to establish flow of cooling gases over said generator-absorber and operative in another position to establish recirculation of heating gases over said generator-absorber, means responsive to a condition in said generator-absorber to actuate said control means to said one position, and means responsive to a condition in said evaporator to actuate said control means to said other position.

2,072,424
REFRIGERATING APPARATUS
Lewis W. Eggleston, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application February 17, 1933, Serial No. 657,168
15 Claims. (Cl. 62—101)



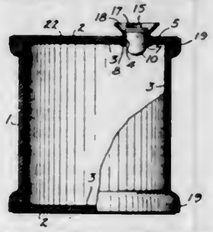
1. A refrigeration apparatus including a compartment to be refrigerated, a continuous conduit member having a portion thereof in heat exchange relation to said compartment, a liquid in said conduit member establishing a closed liquid circuit and operable to abstract heat from said compartment at said portion, means to abstract heat from said liquid at another portion of said conduit member, said liquid being expansible and contractible in accordance with the heat content thereof, said conduit member having a high point effective upon contraction of the liquid to interrupt the liquid circuit, and means to vary the level of said liquid above said high point.

2,072,425
PUMP SYSTEM
Lewis W. Eggleston, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application February 25, 1933, Serial No. 658,539
8 Claims. (Cl. 200—83)



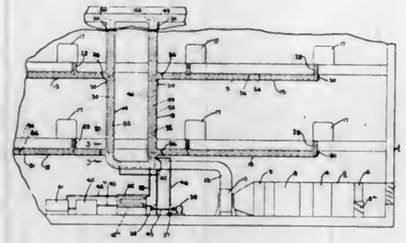
1. A device of the character described, comprising a supporting member, a lever fulcrumed on said member, pressure responsive means operatively connected to said lever, adjustable means opposing operation of said lever by said responsive means, switch means movably supported by said member, means operatively connecting said switch means and said lever, a dash-pot chamber containing a liquid and carried by said supporting member and having a plunger, means connecting said plunger to said switch means, a closed liquid receiving reservoir of sufficient capacity to receive all of the liquid from said chamber during adjustment of said opposing means and a passage connecting said reservoir and said dash-pot chamber whereby to permit flow of liquid from and to said chamber upon operation of said plunger.

2,072,426
CONTAINER
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 6, 1934, Serial No. 705,525
10 Claims. (Cl. 206—2)



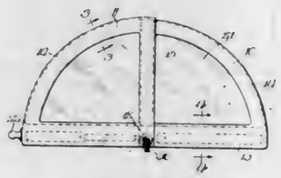
3. A molded and vulcanized one-piece rubber shipping drum which is self-sustaining and sufficiently resilient to flex without rupture or permanent distortion when filled with liquid and subjected to sudden impacts, said drum comprising an annular body portion and circular head portions of resilient construction, said body portion being thickened at the ends thereof, said head portions being of a diameter greater than the internal diameter of the body portion and having an elastic and integral union throughout marginal portions of their inner faces with the ends of the body portion.

2,072,427
AIR CONDITIONING SYSTEM
James H. O'Brien, Chicago, Ill., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application May 2, 1935, Serial No. 19,394
11 Claims. (Cl. 62—129)



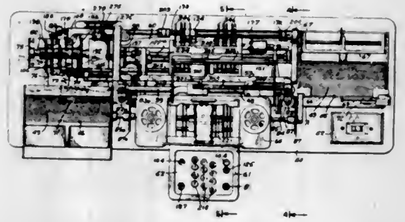
1. In a system for conditioning the air in a building, duct means for conveying dehumidified air for supply to the building atmosphere, and second duct means within the first for circulating a cooling medium whereby the dehumidified air in the first duct means serves to insulate the cooling medium in said second duct means against heat, the dew point temperature of the dehumidified air being below the temperature of the cooling medium to prevent the condensation of moisture on said second duct means.

2,072,428
COVER FOR STEAM TABLES AND THE LIKE
Giuseppe Parise, Chicago, Ill.
Application May 20, 1936, Serial No. 80,655
6 Claims. (Cl. 126—33)



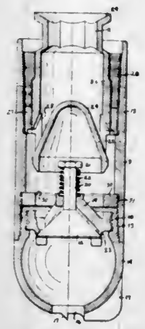
2. A steam table cover comprising a hood-like member having a transparent window therein and a heating element on the inside thereof fixed to and carried by said hoodlike member and adapted to provide a draft of hot air along the under surface of said window and means providing for the passage of air out of said hood.

2,072,429
ACCOUNTING MACHINE
John Royden Peirce, New York, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 20, 1931, Serial No. 558,267
9 Claims. (Cl. 235—59)



1. In combination, accumulating mechanism, mechanism for entering amounts in said accumulating mechanism one digit at a time, perforating mechanism operable to perforate the index-point value of a digit in a record medium as said digit is entered in the accumulating mechanism, and means controlled by the amount entering mechanism for preventing complete restoration of the perforating mechanism before said digit has been entered in the accumulating mechanism.

2,072,430
SET SHOE
Albert L. Roco and William Vernon Walters, Houston, Tex., assignors, by mesne assignments, to Leslie A. Layne, Houston, Tex.
Application December 13, 1934, Serial No. 757,285
12 Claims. (Cl. 166—9)



1. A set shoe having a body comprising upper and lower sections; connected together, said upper section having internal threads adjacent its upper end; a back pressure valve cage threaded in said lower section; a back pressure valve carried by said cage; a wash valve seat in said body above and adjacent said back pressure valve cage; a longitudinally movable hollow wash valve actuating element having threads engaging said threads of said upper section a substantial distance from the upper end thereof, said element having a flared upper end forming a wash pipe seat, a non-circular internal portion thereon forming a rotating device engaging means, circumferentially spaced depending wash valve supports; a substantially conical wash valve connect-

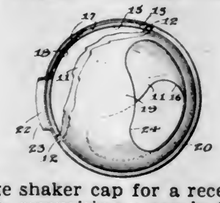
ed to said supports and forming therewith, when in its open position, downwardly directed stream-line fluid passageways for fluid pumped downwardly through the set shoe; said wash valve being movable downwardly upon its seat by rotation of relative to said body and serving, when so moved, to prevent the passage of fluid upwardly through the set shoe.

2,072,431
SMOKING IMPLEMENT
Hyman R. Segal, New York, N. Y.
Application February 15, 1936, Serial No. 64,086
7 Claims. (Cl. 131—12)



7. In a smoking implement, the combination of, a stem, a sleeve in said stem, a filter, said stem having an internal shoulder at one end abutting said sleeve, and a telescoping tubular member associated with said sleeve having an internal circumferential flange adjacent one end engageable with said filter to maintain the latter in contact with said shoulder.

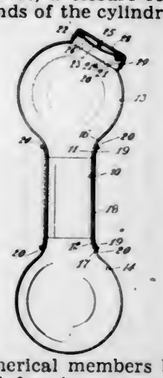
2,072,432
CLOSURE FOR CONTAINERS OF THE MIXING AND SHAKER TYPE
Morris B. Solomon, New York, N. Y.
Application April 24, 1934, Serial No. 722,190
1 Claim. (Cl. 215—76)



A beverage shaker cap for a receptacle having an open top, comprising a cap body including a top having a relatively large filler opening at one side of the axial center thereof and an annular side wall, a rib dividing said side wall into upper and lower portions, said lower portion constituting a flange engageable about the upper edge of the receptacle and said rib limiting the insertion of the cap on the receptacle, said upper portion having a pair of spaced apart discharge openings opposed to said filler opening and an annular groove below said openings, a screen element for one of said discharge openings, a valve element engaging over the top of the cap body and provided with a filler opening for registry with the filler opening of the cap body, an annular flange carried by said valve element and enclosing said upper side wall portion, said flange having an inturned lower edge engaging in said groove to rotatably mount said valve element on the cap body, and a pouring spout carried by the flange of said valve element opposite from the filler opening thereof.

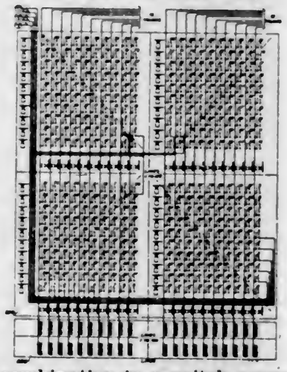
2,072,433
COCKTAIL SHAKER
Morris B. Solomon, New York, N. Y.
Application October 19, 1935, Serial No. 45,795
4 Claims. (Cl. 220—1)

1. A cocktail shaker comprising a plurality of spherically shaped members of substantially equal interior capacity and having substantially cylindrical extensions, a connecting member of substantially cylindrical shape having its open ends merging into the extensions of said spherical members, a discharge opening in one of said spherical members, a closure for said discharge opening, said ends of the cylindrical member and



ends of the spherical members being flush with each other and forming an uninterrupted flow surface for contents to be shaken therein, an exterior sleeve surrounding said cylindrical member and the exterior portions of the ends of the spherical members, and said discharge opening being provided with a filter adapted to be held within said closure and removed therefrom.

2,072,434
SWITCHING SYSTEM
Thomas A. Spencer, Belleville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 13, 1935, Serial No. 35,926
9 Claims. (Cl. 179—18)



1. The combination in a switch comprising coordinate rows of separately operable switch contacts of lines arranged in groups of different sizes, said groups appearing in respective horizontal rows of said contacts and also in respective vertical rows of said contacts, and means for selectively operating said contacts.

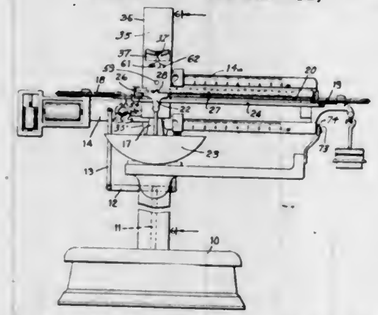
2,072,435
FLOW VALVE
James W. Taylor, San Antonio, Tex.
Application December 11, 1933, Serial No. 701,793
5 Claims. (Cl. 103—233)

1. A flow valve for well tubing including a tubular body having a female thread in the upper end adapted to engage the tubing thread, a male thread on the lower end thereof adapted to engage the tubing coupling, a valve housing attached vertically to the exterior of said body, an entry in the side wall at the lower end of



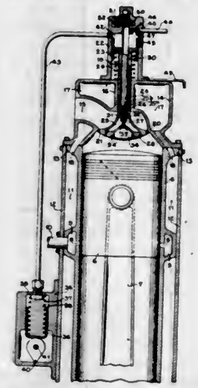
said housing, an outlet in the upper end thereof, said outlet terminating in a downwardly directed passage into said body, valve seats in said entry and said outlet, and a valve disposed between said inlet and outlet to engage either of said seats to control the flow of fluid therethrough.

2,072,436
SCALE
Edward J. Von Pein, Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 9, 1935, Serial No. 10,255
16 Claims. (Cl. 265—31)



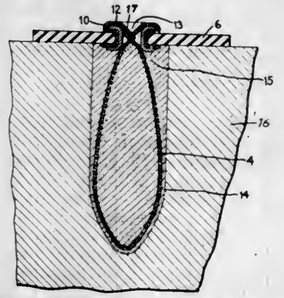
1. In a scale, a supporting standard, a beam fulcrumed on said standard and having an even balance equilibrium position, a vertically disposed housing having front and back walls straddling the sides of the beam and secured to said standard, said housing having a sight window and an under-and-over chart exposed through said sight window, a vertically disposed index hand inside the housing and provided at one end with a pointer, exposed through the sight window, for movement along said chart, a vertical arm rigidly extending from the beam and located inside said housing at one side of the index hand and having its outer portion bent laterally towards the index hand to dispose its free end in vertical alinement with the pivotal axis of the index hand, and a pin and slot connection between the free end of the bent over portion of said arm and the index hand to impart movement to the hand proportional to movement of the beam, the hand being statically balanced to eliminate any pendulous reaction effects thereof on the beam, said connection between the hand and said arm being a less distance from the pivotal axis of the hand than the distance from said axis to the pointer whereby the latter has a movement multiplied with respect to the beam and said arm for indicating in cooperation with said chart the position of the beam with respect to its even balance equilibrium position.

2,072,437
INTERNAL COMBUSTION ENGINE
Allan R. Wurtele, New Roads, La.
Application January 6, 1933, Serial No. 650,444
12 Claims. (Cl. 123—90)



1. The combination with an internal combustion engine of a valve having a stem with a fuel passage and a cooling chamber therein, resilient means for seating said valve, and hydraulic means including a pump for moving said valve off its seat, the fluid in said hydraulic means being adapted to circulate in said cooling chamber.

2,072,438
SUPPOSITORY
Edward Ackerman, Woodmere, N. Y.
Application November 13, 1935, Serial No. 49,455
8 Claims. (Cl. 128—271)



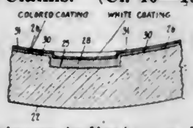
8. A rectal suppository comprising a disc having an aperture, an attenuated bag-like member of flexible, foraminous material secured to said disc, with the opening of the bag in register with the opening in the disc, a mass of medicament, normally solid but meltable at body temperature and filling said bag member, said solidified medic-

ament having the necessary rigidity for the insertion of the suppository into the rectum, said disc serving to prevent the sphincter muscle from drawing the suppository into the rectum, and a coating of material, meltable at body temperature, on the outside of said bag-like member.

2,072,439
LUMINOUS INDICATOR

Charles Michael Andres, Yonkers, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application April 11, 1936, Serial No. 73,885
2 Claims. (Cl. 40—130)

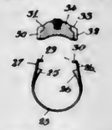


1. In a luminous indicator, a light transmitting member having a covering of white translucent paint applied to its inner surface, a portion of said covering being thicker than the remaining portion to render it opaque, one of said portions being in the form of a selected symbol, a covering of translucent paint of a different color applied to the first named covering, said paints being of a density such that when said indicator is not illuminated, said member appears white without displaying said symbol, and when said indicator is illuminated, one of said portions appears a different color displaying said symbol.

2,072,440
RING

John Bauer, Sunnyside, and Max Grau, New York, N. Y.

Application March 26, 1936, Serial No. 70,916
3 Claims. (Cl. 63—16)



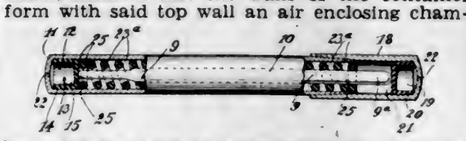
1. In a finger ring, an open resilient band member of formed sheet metal having reduced end extensions, inwardly offset finger members extending from the outer terminals of said extensions, a pair of supporting brackets at the base of each end extension and formed by inwardly bending the upper lateral edge portions of the said band member, a setting member detachably engaged to the said band member at the end extensions, finger members and supporting brackets.

2,072,441
CLINICAL THERMOMETER CASE

George L. Cameron, Montclair, N. J.

Application October 19, 1935, Serial No. 45,749
1 Claim. (Cl. 206—16.5)

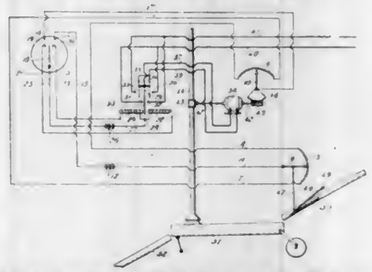
A thermometer casing comprising an outer container, a resilient cushioning liner in said container of a length to extend along the greater part of the thermometer and having a bore corresponding substantially to the shape of the thermometer adapted to exert support on the thermometer equally at all points on its perimeter, and a hollow cylindrical member having a closed yieldable top wall at each end of the container in reverse position to each other, the cylindrical member snugly engaging the interior of the container at either end thereof, and the top wall being adapted to abut against the end tips of the thermometer, whereby the space within the cylindrical member and the walls of the container form with said top wall an air enclosing chamber, said top wall and air within the chamber being resilient to any sudden thrust of the tip of the thermometer against the top wall.



2,072,442
METHOD OF AND APPARATUS FOR CONTROLLING THE FLOW OF FLUIDS

Ernest Victor Collins, St. Albans, N. Y., assignor to The Delaware, Lackawanna & Western Coal Company, New York, N. Y., a corporation of New Jersey

Application December 19, 1935, Serial No. 55,205
3 Claims. (Cl. 137—164)



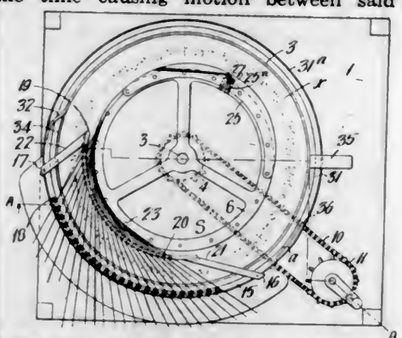
1. In an apparatus for automatically controlling the flow of fluid in proportion to the quantity of material to be treated therewith, a conduit for the fluid, a valve therein, a reversible electric motor to actuate the valve in two directions, circuits adapted to supply current to the motor, a relay controlling the motor circuits and means for actuating the relay comprising resistance elements in series in a closed circuit, a galvanometer, movable arms engaging the resistance elements and connected to the galvanometer and a source of electric current, contacts in the galvanometer and connections between the contacts and the relay including a source of electric current, means adapted to be actuated by variations in quantity of the material to be treated and connected to one of the movable arms, and a connection between the electric motor and the other movable arm, one of said contacts in the galvanometer being movable in response to variations in the position of the movable arm connected to the means actuated by variations in quantity of the material to be treated to close a circuit through said relay to operate the motor to actuate said valve and to move the arm connected thereto to vary the resistance with which it engages to create a balanced condition in the circuit including said resistances.

2,072,443
SALTING OF THE INTESTINES OF ANIMALS PRIOR TO THE USE OF SAID INTESTINES AS SAUSAGE SKINS

Thomas Augustus Darrington, Smithfield Market, England

Application May 20, 1936, Serial No. 80,870
In Great Britain February 18, 1935
15 Claims. (Cl. 99—254)

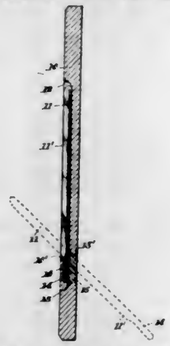
15. A machine for salting the intestines of animals prior to their use as sausage skins, comprising means for drawing them lengthwise through a bed of salt, and means for at the same time causing motion between said bed and the intestines in a direction in angular relationship with respect to the direction of lengthwise travel of each of said intestines.



2,072,444
THERMOMETER

Frank R. Dorfmann, Richmond Hill, N. Y.

Application October 4, 1935, Serial No. 43,500
3 Claims. (Cl. 73—52)



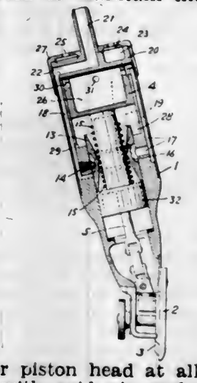
1. A thermometer of the character described comprising a frame which is substantially of uniform thickness and is formed with flat front and rear walls; and with a groove in its front side; and a thermometer in said groove exposed to view and the bulb of which is concealed by an integral portion of the frame and rests directly thereon; and a plastic cement contacting said bulb to support it in its normal position in the frame.

2,072,445
HAIR CUTTER FOR DOMESTIC ANIMALS

Sven Johan Erling, Nockeby, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application June 30, 1934, Serial No. 733,178
In Sweden July 5, 1933
1 Claim. (Cl. 121—30)

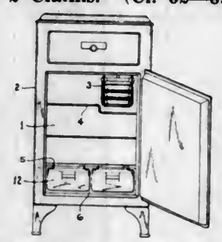
A fluid actuated motor for reciprocating the movable knife of a hair cutter, comprising a motor piston having end heads of different diameters, a cylinder in which the piston reciprocates, a slide between said heads and operable alternately thereby in opposite directions, a passage adapted to communicate with air under relatively high pressure, a passage adapted to communicate with air under relatively low pressure, means adapted in the movement of the slide to connect the space back of the larger piston head alternately with said passages, means adapted to maintain the space in front of the larger piston head at all times in communication with said air under relatively low pressure, and a lock mechanism cooperating with the slide to hold it in one of two predetermined positions after actuation in opposite directions.



2,072,446
REFRIGERATION APPARATUS

Gregg F. Forsthoefel, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 23, 1934, Serial No. 712,490
2 Claims. (Cl. 62—89)



1. In refrigerating apparatus, the combination of a food storage compartment, a cooling element for abstracting heat from the food storage compartment, a shelf in said food storage compartment for supporting articles to be cooled, at least a portion of said shelf being substantially imperforate, a crisping pan disposed below said shelf, means for slidably supporting said crisping pan from said shelf, and said imperforate shelf portion covering said crisping pan to form therewith a closed receptacle in which the circulation of air is restricted and dehydration of the foodstuffs therein reduced.

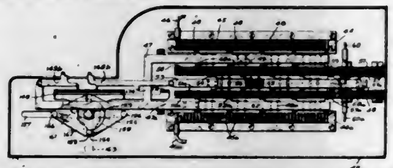
2,072,447
TABULATING MACHINE

Alvin E. Gray, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application October 2, 1931, Serial No. 566,443
4 Claims. (Cl. 235—92)

1. In a punched card accounting machine; electric brushes for sensing perforations in record cards; electric contacts, one for each brush and connected thereto; a plurality of multi-order accumulators; an actuation control element for

each order; a set of electric contacts, for each element; and slides having contact interconnecting means, each of said slides being movable into variable cooperative relation with said first-named contacts and the contacts of one said set to selectively connect any one of said brushes with the accumulator order associated with the latter set of contacts.

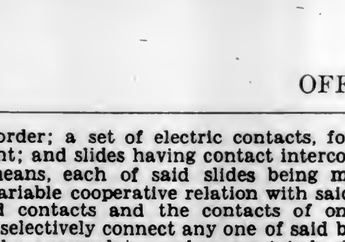


4. In a punched card accounting machine having accumulators; two sets of electric brushes for sensing perforations in two record cards simultaneously; terminal contacts connected to said brushes; total taking control means; slides having contact inter-connecting means connected with the total taking control means, said slides being movable across said contacts to selectively connect corresponding contacts of the two sets to the total taking control means for causing the machine to take totals under control of the record cards, and a punched form card cooperating with the slides for controlling the setting of the slides.

2,072,448

ROLLING MILL OF THE OVERHUNG TYPE

William Wilson Hamill, Four Oaks, England
Application December 26, 1934, Serial No. 759,223
In Great Britain February 8, 1934
16 Claims. (Cl. 80—54)



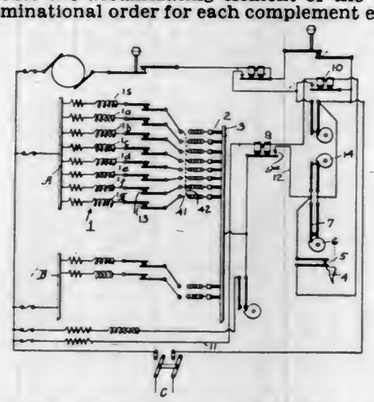
1. A rolling mill of the overhung type having a two-part driving shaft consisting of an outer and torque-transmitting shaft journalled permanently in the mill housings and provided with a bore; an inner roll-carrying shaft detachably inserted in the bore and projecting from the end of the said outer shaft; and means for transmitting the driving torque from the outer shaft directly to the roll to avoid subjecting the said insert shaft to said torque.

2,072,449

ACCOUNTING MACHINE

Clarke L. Hayes, Wilmette, Ill., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 9, 1928, Serial No. 276,214
8 Claims. (Cl. 235—92)

1. In a machine for accumulating data, a series of accumulating elements of different denominational orders, corresponding denominationally ordered entry controlling devices, means for causing the latter to effect an entry of a nines complement in said accumulating elements, and means whereby a device of the highest effective order when it controls the entry of a digit of highest value causes the entry of an additional unit into the accumulating element of the units denominational order for each complement entry.

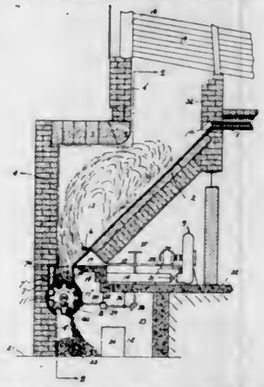


6. In a machine of the class described, a series of accumulator elements, devices for controlling entries of a nines complement in said elements, a special element, means for causing the latter to be operated under control of a device of highest effective order when a complement is entered, and means whereby said special element effects the entry of a unit into the units order accumulator element for each entry of a complement.

2,072,450

FURNACE

Joseph Reid Anderson Hobson, Jr., Pottsville, Pa., assignor to The Philadelphia & Reading Coal & Iron Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 13, 1932, Serial No. 611,101
9 Claims. (Cl. 110—28)

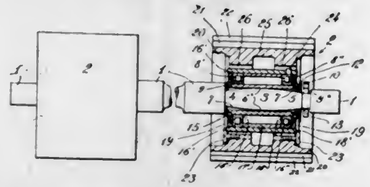


9. A furnace adapted to burn finely divided fuel comprising walls forming a combustion chamber having a gas outlet at its top, a stationary hearth therein sloping at an angle to the horizontal slightly greater than the angle of repose of the fuel to be used, means for supplying fuel to the hearth adjacent the top thereof, means forming a substantially vertical air supply duct adjacent the lower end thereof, a grate below said hearth and adjacent lower portion of said air duct and a perforated wind box between said hearth and said air duct for blowing fuel into suspension.

2,072,451

GILLING MACHINE AND DRAWING MACHINE FOR THE TREATMENT OF FIBROUS MATERIALS

John Hughes, Rochdale, England
Application July 28, 1934, Serial No. 737,367
In Great Britain July 29, 1933
1 Claim. (Cl. 19—142)



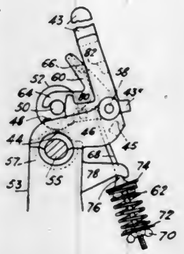
In a top roller for a sliver rubbing device, in combination, an arbor of barrel form having a part of maximum diameter intermediate its ends, an inner sleeve internally and externally of cylindrical form surrounding said arbor and fitting said part of maximum diameter, an intermediate sleeve surrounding and spaced from said inner sleeve, inner races fixed to said inner sleeve adjacent to the ends of said inner sleeve, outer races fixed to said intermediate sleeve adjacent to the ends of said intermediate sleeve, anti-friction elements received in said races, lubricant-retaining collars at the ends of said inner sleeve, collars at the ends of said intermediate sleeve adjoining said first mentioned collars, said inner and intermediate sleeves, races, anti-friction elements and collars forming a unit removable endwise from said arbor without disturbance of said elements in said races, an externally fluted outer sleeve surrounding said intermediate sleeve, said outer sleeve being formed internally with grooved collars adapted to fit said intermediate sleeve and being provided externally with a covering, headed screws applied to the ends of said outer sleeve, the heads of said screws overlapping said intermediate sleeve, a peg fixed to said intermediate sleeve and engaging a groove in one of said last mentioned collars, said screws being removable to permit removal of said outer sleeve without disturbance of said unit, and instantly disengageable means applied to said arbor and normally retaining said inner unit against axial displacement on said arbor.

2,072,452

GILLING MACHINE AND DRAWING MACHINE FOR THE TREATMENT OF FIBROUS MATERIALS

John Hughes, Rochdale, England
Original application July 28, 1934, Serial No. 737,367. Divided and this application May 7, 1936, Serial No. 78,320. In Great Britain July 29, 1933
6 Claims. (Cl. 19—135)

1. In a gilling machine or like machine, in combination with top and bottom rollers, at least one lever having a fixed fulcrum and adapted to bear on the top roller, loading means acting on said lever on one or the other side of said fulcrum, whereby, depending on the position of said lever, to cause pressure to be applied or not to be applied through said lever to said top roller, a manually operable member mounted to rock on a fixed axis and having at least one part extending beneath said top roller whereby to lift said top roller when said member is rocked in one direction, means on said member engageable with said lever when said member is rocked in said direction to lift said lever from said top roller, striking means on said member engageable with

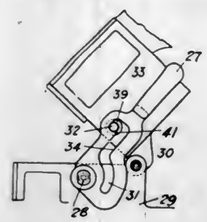


said lever when said member is rocked in the opposite direction to cause said lever to bear on said top roller, and stop means limiting the movement of said member.

2,072,453

GILLING MACHINE AND DRAWING MACHINE FOR THE TREATMENT OF FIBROUS MATERIALS

John Hughes, Rochdale, England
Original application July 28, 1934, Serial No. 737,367. Divided and this application May 7, 1936, Serial No. 78,321. In Great Britain July 29, 1933
4 Claims. (Cl. 19—129)



1. A clamping device for holding down the upper part of a head of a gilling machine, or like machine, upon the lower part of the head, comprising a lever pivoted to one of said parts and formed with a cam slot, and a cam follower on the other of said parts engaging said cam slot, said lever also formed with a slot substantially radial to the pivot of said lever and forming an extension of said cam slot, said extension slot engageable by said follower when said upper part is swung upwardly from said lower part.

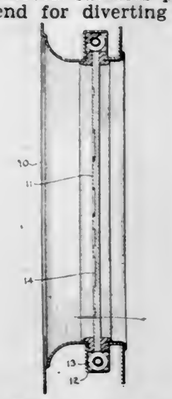
2,072,454

VEHICLE ADVERTISING OR DISPLAY

Frank D. Jackson, Kansas City, Mo.
Application October 27, 1936, Serial No. 107,804
5 Claims. (Cl. 40—130)

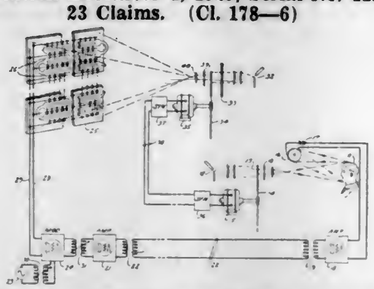
4. A vehicle advertising or display device including a pane of transparent material comprising a window of the vehicle for transmission of light and for visibility, electrical means arranged at an edge of the panel in the vehicle body for illuminating the panel at an edge thereof whereby rays of light will pass edgewise through the panel in the plane thereof, said

panel having thereon surfaces providing a sign symbol or legend for diverting the light rays



from the plane of the panel, and means for energizing said electrical illuminating means.

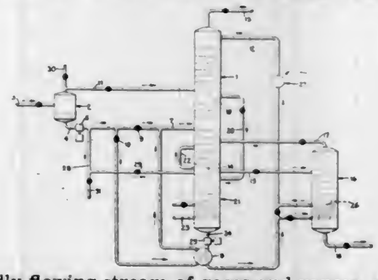
2,072,455
ELECTROOPTICAL SYSTEM
Walter F. Kannenberg, Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 4, 1929, Serial No. 411,426
23 Claims. (Cl. 178—6)



1. Image producing apparatus comprising a light producing device, and means for causing light to be generated at and emitted from different portions of said device in succession to produce an image, said means comprising means for projecting a beam of energy of substantially constant intensity upon different portions of said device in succession and means for simultaneously impressing image potentials upon said device.

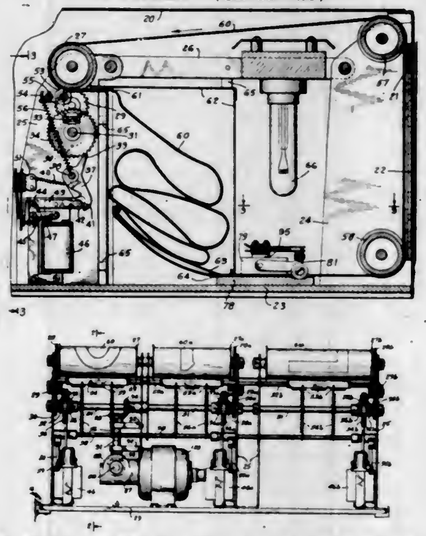
2,072,456
PROCESS FOR THE STABILIZATION OF HYDROCARBON DISTILLATE
Percival C. Keith, Jr., Peapack, N. J., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application December 1, 1934, Serial No. 755,532
3 Claims. (Cl. 196—11)

1. The process of stabilizing hydrocarbon oil distillate to produce a stable product of desired vapor pressure which comprises passing a portion of said oil distillate into a stripping zone, maintaining said stripping zone under temperature and pressure conditions which will vaporize low-boiling constituents therefrom, passing vapors so formed into an intermediate section of an absorbing and stabilizing tower, withdrawing unvaporized residue from said stripping zone, cooling the residue so withdrawn, passing said cooled residue into the top of said tower above the point of entry of vapors from said stripping zone, passing said cooled residue downwardly through said tower in countercurrent contact with upwardly rising vapors whereby said cooled residue serves as absorber oil for constituents of said vapors desired in the final stabilized product, introducing additional oil distillate to be stabilized into an intermediate point in said stabilizing and absorbing tower, passing said additional distillate downwardly through said tower against the up-



wardly flowing stream of gases and vapors, withdrawing the stabilized product from the lower portion of said tower, withdrawing a portion of enriched absorber oil from an intermediate point in said absorbing tower above the point of entry of said additional oil distillate, passing said portion to said stripping zone and commingling the same with oil distillate being stripped therein whereby said enriched absorber oil is stripped of lower-boiling constituents absorbed therein, and withdrawing residual gas from the top of said tower.

2,072,457
TIME INDICATING DEVICE
Clinton E. Larrabee, Binghamton, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 3, 1933, Serial No. 669,086
7 Claims. (Cl. 58—26)

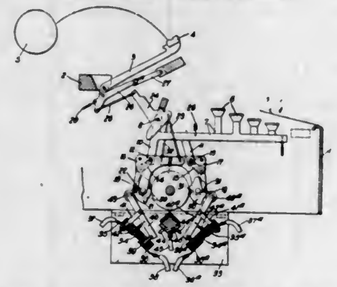


1. A time indicating device having a plurality of circuits adapted to receive normal periodic

electrical impulses and rapid electrical impulses, comprising movable indicia bearing elements for indicating time, a motor for driving said elements, means controlled by normal and rapid electrical impulses for initiating operation of said motor, and means controlled by the position of said indicia bearing elements for terminating the operation of said motor.

3. In combination a time indicating device having a series of denominational order indicating elements arranged side by side to jointly indicate the time of day, a motor, releasable driving mechanisms between said motor and each of said elements to independently drive the same, electro-magnetic means for controlling the operation of each of said driving mechanisms, electrical contacts controlled by the element of a lower denominational order for controlling the electro magnetic means associated with the next higher denominational order element to render its associated driving mechanism effective to drive said last mentioned element, additional electrical contacts associated with each denominational order element for controlling the electro-magnetic means associated with said element to render its associated driving mechanism ineffective to terminate the drive of said element, and circuits connecting said electrical contacts and said electro-magnetic means.

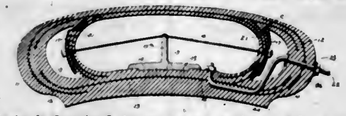
2,072,458
POWER OPERATED TRANSMITTER
Walter S. Lemmon, New York, N. Y., Herman R. Rose, Newark, N. J., and Frederick W. Young, Little Neck, N. Y., assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 20, 1933, Serial No. 676,654
4 Claims. (Cl. 197—5)



1. In an electrical transmitter, in combination, a multiplicity of keys, a multiplicity of signal switches, said switches each comprising a movable member and means for causing actuations of said switches in response to the operation of said keys, said means comprising a driven roller and a revoluble member adapted for rolling contact with said roller for causing the rotation of said revoluble member to bring about actuation of said switch member, said revoluble member arranged to engage directly the said switch member.

2,072,459
AIR BAG
Stephen W. Lippitt, Cleveland, Ohio
Application February 19, 1935, Serial No. 7,247
13 Claims. (Cl. 18—45)

7. An air bag for receiving fluid under pressure embodying rubber coated fabric side and end walls, secondary end walls within said bag, an inextensible cable disposed within said bag, discs disposed adjacent the outer faces of said secondary walls and connected at their centers to said cable, a plate within said bag disposed upon the base of the inner wall thereof, a boss on

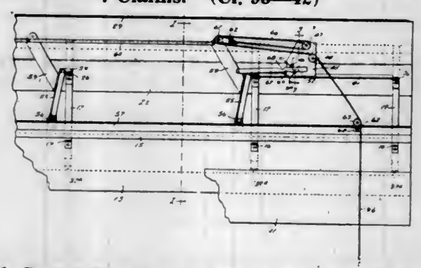


said plate adapted to engage said cable and support the same within the central portion of the bag whereby the discs will be maintained normal to axis of the bag when the bag is inflated and the stress imposed upon the secondary walls is transmitted to said discs.

2,072,460
CERAMIC TILE COMPOSITION
Andrew Malinovszky, South Gate, Calif., assignor, by mesne assignments, to Malinite Corporation, Los Angeles, Calif., a corporation of California
No Drawing. Application March 13, 1933, Serial No. 660,567
7 Claims. (Cl. 106—11)

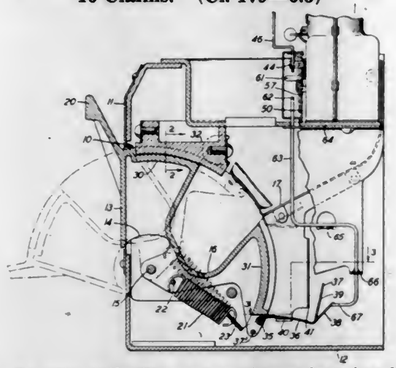
1. A ceramic composition consisting of about 29% to 60% of magnesia-containing mineral from the group consisting of talc, steatite, tremolite, soapstone and serpentine, 10% to 52% of ground common glass, and from 4% to 30% of clay, said composition being characterized by its ability to form a tough, burned product containing magnesia-containing material in a glassy matrix upon maintaining a body of said composition at a temperature of from about 1600° F. to about 2200° F. for a period of time not exceeding 1 hour, said burned composition being adapted to receive and tenaciously retain a glaze.

2,072,461
RIDGE VENTILATOR
James H. McDerment, Cleveland, Ohio, assignor to The Swartwout Company, Cleveland, Ohio, a corporation of Ohio
Application May 24, 1934, Serial No. 727,306
7 Claims. (Cl. 98—42)



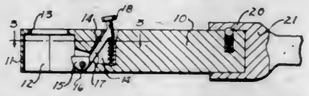
1. In combination, longitudinally spaced supporting members mounted above a roof opening, a damper movable toward and from said opening, and means for holding said damper in open position, said last means including spaced links pivotally connecting said damper and a plurality of said members, a lever connected to one of said links, a pair of spaced plates, having formed therein registering, vertical, upper slots and angular, registering, lower slots, pins freely movable in said upper and lower slots, a dog pivoted to said lever and riding between said pins and provided with notches in opposite sides thereof and means for operating said lever to engage and disengage said dog and said pins.

2,072,462
COIN COLLECTOR
Percy E. Mills, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1934, Serial No. 722,292
16 Claims. (Cl. 179—6.3)



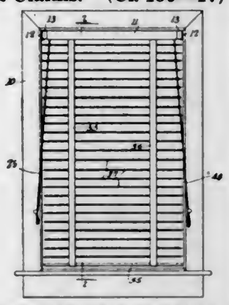
1. In coin collecting apparatus, a housing having an opening in a side wall thereof, a refund chute within said housing and having a discharge opening remote from said side wall opening, a pivoted drawer having a wall member normally closing said side wall opening, a coin pocket in said drawer normally in position to receive coins discharged by said chute, a stationary member within said housing and extending in a substantially arcuate path from the lower edge of said chute to the upper end of said side wall opening, said stationary member having a width at least equal to the width of said coin pocket, said drawer having an upper wall extending in a substantially arcuate path from said wall member to the edge of said pocket, said upper wall and said stationary member being in close proximity to each other in said normal position of said drawer while freely permitting said drawer to be advanced outside said housing through said side wall opening to permit access to said pocket.

2,072,463
WRENCH
Howard S. Mims, Dallas, Tex., assignor of forty-nine per cent to William B. Huskey, Dallas, Tex.
Application April 26, 1935, Serial No. 18,305
2 Claims. (Cl. 81—125)



1. A wrench comprising, a handle shank having a socket open at one side to interfittingly receive a bolt head or nut, the socket being internally shouldered at its opposite side to retain the received bolt head or nut, said handle shank having an opening communicable with the socket at one transverse side thereof, a spring-pressed lever type of retaining dog having a rounded eccentric cam portion pivotally mounted in said opening, said dog normally urged by its spring element to move the cam portion projectedly into said socket, said cam portion rotatably moving recedingly against the yieldable counter pressing force of the spring element by the insertion of a bolt head or nut into said socket and engaging the adjacent face of the inserted bolt head or nut to hold the bolt head or nut from withdrawal, and a lever extension on said dog for rotating the cam portion in the direction to effectively retract it from said socket to release the inserted bolt head or nut.

2,072,464
VENETIAN BLIND
Julius Nisenson, Brooklyn, N. Y., assignor to Master Venetian Blind Hardware Corporation, New York, N. Y.
Application May 1, 1935, Serial No. 19,184
12 Claims. (Cl. 156—17)



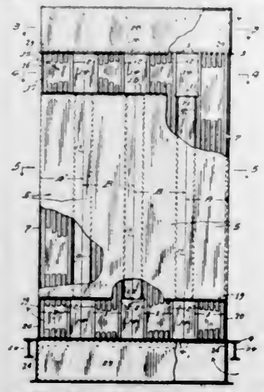
1. In a Venetian blind, a plurality of slats having longitudinally directed slots adjacent the edges thereof, tilt tapes between which said slats are arranged parallel to each other, relatively narrow tapes attached to the inner surfaces of said tilt tapes and forming a plurality of vertically spaced loops positioned in the slots in said slats, and means to move the tilt tapes to tilt the slats.

2,072,465
PRODUCTION OF POLYMERIC N-VINYL COMPOUNDS
Walter Reppe, Ernst Keyssner, and Eugen Dorrer, Ludwigshafen - on - the - Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application July 10, 1935, Serial No. 30,632. In Germany July 24, 1934
18 Claims. (Cl. 260—2)

1. The process of producing polyvinyl compounds which comprises subjecting N-vinyl pyrrole compounds to polymerization.

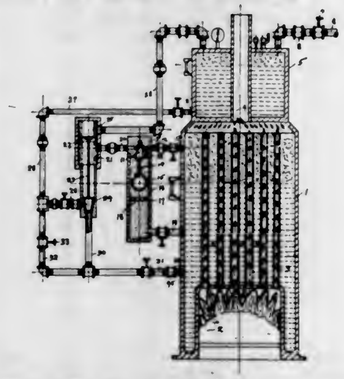
2,072,466
AIR HEATER
Josiah H. Rohrer, Philadelphia, Pa.
Application September 24, 1934, Serial No. 745,260
5 Claims. (Cl. 257—224)

1. An end unit for a multiple unit air heater, consisting of the combination with a substantially rectangular bank of straight parallel tubes of relatively small diameter closely arranged in a staggered relationship but spaced from each other, of a top tube-plate and a bottom tube-plate through which the ends of said tubes respectively pass and into which they are tightly fitted with a casing for said bank of tubes surrounding the same on the four sides thereof by four walls, including a pair of walls on opposite sides of said bank and comprising a front and back wall, one of said pairs of walls having an upper air inlet opening to the space between said tubes immediately below said top tube plate and extending substantially the full width of the unit and one of said pair of walls being provided with a lower air outlet opening communicating with the spaces between the tubes immediately above the bottom tube plate and extending for substantially the full width of the unit, an outside end wall and an inside end wall on opposite sides of said bank and between said pair of walls, the outside end wall of said unit completely closing the spaces bounded by the upper and lower tube plates and the front and back walls of said unit, and the



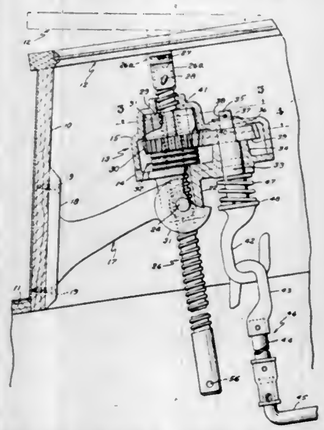
inner end wall of said end unit being offset inwardly from the plane of the adjacent vertical side edges of the front and back walls of the unit and tightly closing for its full length the space between the front and back walls, the upper and lower edges of said offset end walls being spaced respectively from the adjacent surfaces of said top and bottom tube-plates to give access to the spaces between said tubes at both ends thereof.

2,072,467
AUTOMATIC CONTROL FOR WATER LOCK FEED FOR STEAM BOILERS
Waldo D. Nore, Pitcairn, Pa.
Application October 28, 1935, Serial No. 47,154
6 Claims. (Cl. 122—456)



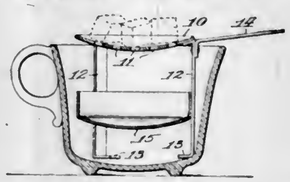
6. In combination, a steam boiler, a water tank located so as to feed said boiler by gravity, steam and water lines connecting said boiler and tank, means for controlling the feeding of the water from said tank to said boiler comprising, a float operated valve in said steam line and means operated by the flow of steam through said steam line for actuating a valve in said water line, said means acting to close said valve in said water line when said float valve is closed.

2,072,468
SKYLIGHT OPERATOR
Otto X. Saur and Adolph G. Pitz, Bridgeport, Conn., assignors to Park City Cornice Works, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application July 12, 1935, Serial No. 30,990
4 Claims. (Cl. 268—101)



1. A skylight operator comprising a casing, a screw passing through the casing, means for connecting the screw to the skylight, a gear having threaded connection with the screw, an operating shaft parallel to the screw, a driving gear on the shaft in the same plane as the first gear and meshing therewith, a pivotal support for the casing, a removable operating member for the shaft, and a universal connection between the removable member and the shaft so that as the casing swings the connection can bend to compensate for the movement of the casing and shaft.

2,072,469
CAFÉ ROYALE MAKING DEVICE
Lynn M. Scofield, Los Angeles, Calif.
Application September 11, 1935, Serial No. 40,071
4 Claims. (Cl. 99—236)

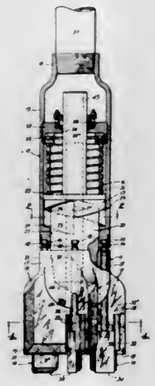


1. In a café royale making device, the combination with a perforated member, of legs secured to and depending from said member and a shallow receptacle secured to said legs beneath said perforated member.

2,072,470
DRILLING TOOL
Walter N. Thompson, La Habra, Calif., assignor of one-half to Jesse C. Wright, Huntington Park, Calif.
Application May 31, 1935, Serial No. 24,200
12 Claims. (Cl. 255—61)

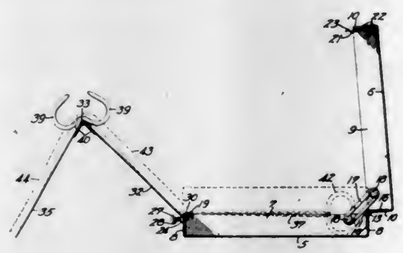
1. A rotary well drilling tool including a body, a cutting head at the lower end of the body, a

stem on the head telescopically assembled with the body whereby the head is reciprocable and turnable relative to the body, cutting blades on the head operable to act on the major portion of the bottom of the well bore, means operable by



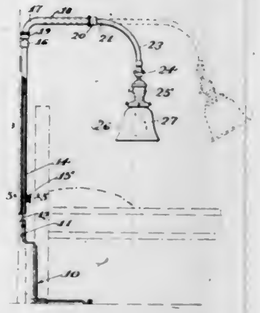
virtue of the rotary drag on the blades to reciprocate the head whereby the blades have a chipping action on the formation, and a cutting part connected with the body to move vertically therewith and to turn relative thereto and engaging the head to turn with the head.

2,072,471
BINDER FOR RECEIPTS AND THE LIKE
Walter L. Wolford, Oakland, Calif.
Application February 3, 1936, Serial No. 62,129
2 Claims. (Cl. 129—1)



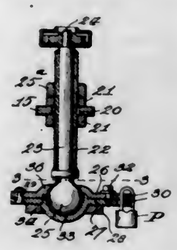
1. A binder for sheets of paper comprising a pair of opposed hollow sections hinged together along an edge thereof and movable into adjacent relationship to provide a closed container, a plate of sheet material pivotally mounted on an edge of one of said sections, said plate having mounted on an edge thereof U-shaped elements, a flap of sheet material hinged to said plate along the edge thereof carrying said U-shaped elements, said flap being also provided with U-shaped elements cooperative, when said flap is moved relative to said plate, with the U-shaped elements of said plate to provide a closed loop for supporting sheets of paper, said flap and plate being movable from positions exterior of said container to positions therewithin.

2,072,472
BED READING LAMP
Arthur A. Barbera, Los Angeles, Calif.
Application August 9, 1935, Serial No. 35,473
2 Claims. (Cl. 248—124)



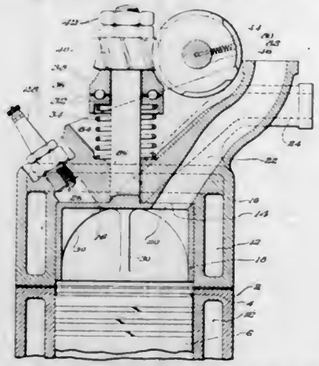
1. In a bed reading lamp, a substantially L-shaped base having the upper portion of its vertical leg offset with respect to the lower portion thereof, so that said base may be positioned immediately adjacent a base board, with its offset upper portion positioned immediately adjacent the wall above the base board, a channel having its lower end detachably connected to the offset upper portion of said base and extending upwardly therefrom with its open side facing the wall, a narrow tubular member arranged for sliding movement on said channel and cooperating therewith to form a duct for an electric cord, means for clamping the tubular member to the channel in differently adjusted positions and a horizontally disposed extensible lamp-carrying arm mounted for swinging movement on the upper portion of said tubular member.

2,072,473
HITCH FOR AUTOMOBILE TRAILERS
Ralph T. Baumberger, Los Angeles, Calif.
Application January 15, 1936, Serial No. 59,216
6 Claims. (Cl. 280—33.15)



1. In a hitch for automobile trailers, a bracket, a post mounted for vertical adjustment in said bracket, a ball carried by the lower end of said post, a plate provided with a socket for the reception of said ball, means for connecting said plate to a vehicle a plate overlying said first-mentioned plate and pivotally connected to one end thereof so as to swing laterally thereon, said pivotally mounted plate being provided with a slot for the reception of the lower portion of said post and means for locking the two plates to each other.

2,072,474
INTERNAL COMBUSTION ENGINE
Vernon P. Helming, Amherst, Mass.
Application April 3, 1935, Serial No. 14,431
2 Claims. (Cl. 123—80)



1. An internal combustion engine having, in combination, a cylinder, a piston in the cylinder, a spark timer, a timer shaft, a lay shaft arranged transversely of the timer shaft and provided with a passage to lubricate the lay shaft, gears on said shafts for driving the timer shaft from the lay shaft, a piston at the end of the lay shaft, and a cylinder for the piston on the lay shaft carrying oil under a variable pressure depending upon engine speed for shifting the lay shaft lengthwise automatically to change the timing of the spark timer.

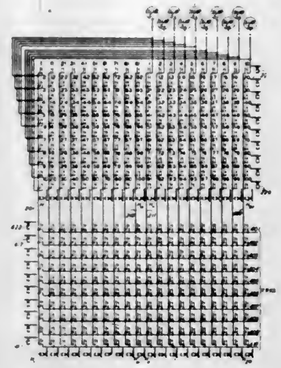
2,072,475
MANUFACTURE OF WETTING, PENETRATING, FROTHING, AND WASHING AGENTS
Rudolf Kern, Oschatz, Germany, assignor to firm: Chemische Fabrik R. Baumheier Aktiengesellschaft, Zschollau, Germany
No Drawing. Application September 20, 1932, Serial No. 634,079. In Germany September 29, 1931
20 Claims. (Cl. 260—106)

1. A method for making agents of the character described, which consists in treating higher monohydric aliphatic alcohols with sulfuric acid, in which at least one hydrogen atom is substituted by an organic radicle, and subsequently with condensing agents, said radicle being selected from a group consisting of alkyl, aryl, aralkyl, hydroaryl, and acyl groups.

5. An agent of the character described consisting of the reaction product of higher monohydric aliphatic alcohols with sulfuric acid, in which at least one hydrogen atom is replaced by an organic radicle, and subsequently with at least one condensing agent, said radicle being selected from a group consisting of alkyl, aryl, aralkyl, hydroaryl, and acyl groups.

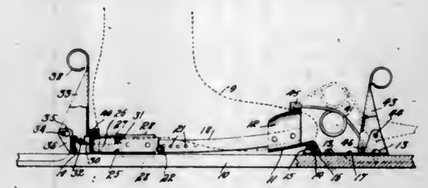
2,072,476
SWITCHING SYSTEM
Cyril A. Collins, Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 13, 1935, Serial No. 35,925
7 Claims. (Cl. 179—18)

1. In combination, a group of lines, a switch having coordinate rows of separately operable contact sets, the lines of said group being connected respectively with individual contacts in a row in one coordinate direction and also connected respectively to individual contacts in a



row in the other coordinate direction, and means for selectively operating said contacts.

2,072,477
SKI BINDING
David H. Dodd, Newbury, Vt.
Application October 23, 1935, Serial No. 46,283
6 Claims. (Cl. 208—184)

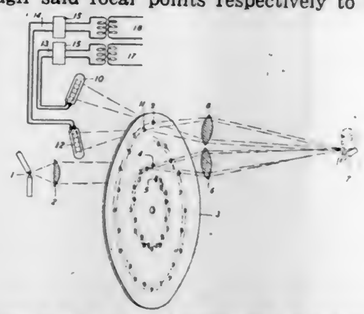


1. A ski binding of the character described comprising a toe piece adapted to receive and firmly engage the toe of a boot, a rigid frame extending along the sides of the boot to the heel, a heel clamp carried for sliding with respect to said frame, resilient means to urge said clamp against the heel of the boot to hold the boot in the binding and to release said clamp, and means to mount said frame on the ski for pivoting about an axis transverse to the length of the ski, said means being constructed and arranged to maintain the binding rigid, lengthwise of the ski, whereby said boot is firmly integrated with the ski for turning or edging the latter.

2,072,478
ELECTROOPTICAL SYSTEM
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 28, 1930, Serial No. 464,450
6 Claims. (Cl. 178—6)

1. A television system comprising a source of light, a plurality of photoelectric means, apertured means for simultaneously producing a plurality of beams of light which traverse different regions of the object, means for simultaneously focusing at different points light reflected from different illuminated regions on said object at any instant, a plurality of optical prisms, and means

for successively moving groups of said prisms through said focal points respectively to direct



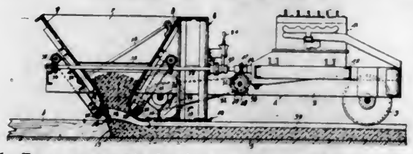
said beams of light to different ones of said photo-electric means.

2,072,479

CONCRETE LAYING MACHINE

Homer M. Hadley, Seattle, Wash.

Application January 24, 1934, Serial No. 708,062
17 Claims. (Cl. 94—46)



1. In a concrete laying machine, the combination of a hopper with a front wall and a rear wall, and having an outlet, means for supporting and advancing the hopper over the area on which the concrete is to be laid so as to place the concrete through the said outlet, said outlet having a rear throat plate with an extension having a convex face in contact with the concrete as it passes through the outlet, said extension extending down from a point substantially in the plane of the said rear wall and curving rearwardly on the rear side of the outlet with respect to the direction of advance of the hopper, said outlet operating to lay the concrete directly onto the subgrade, and a vibration device for imparting rapid vibratory impulses to the rear side of the throat plate in a plane normal to the plane of the throat plate, said throat plate operating to transmit said impulses in a radial but generally horizontal direction through the mass of concrete to condense the concrete as it passes through the outlet.

2,072,480

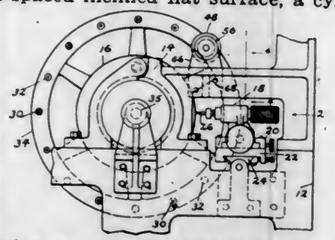
REGISTERING MECHANISM

Harry Little, Rye, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application March 7, 1935, Serial No. 9,865
15 Claims. (Cl. 33—21)

1. In a registering device, a fixed component, a movable component, a registering pin movably supported by one of the components and having a flat registering surface formed thereon, a detachable member secured to the other component and having a flat registering surface to be engaged by the flat registering surface of the registering pin to accurately position one component in definite relation to the other, and means for securing the detachable member in predetermined angular relation to its supporting component to insure the accurate registering engagement of the said flat registering surfaces.

9. In a registering device, a fixed component, a component movable relative to the fixed component, one of the components having a cylindrical aperture formed therein, a cylindrical plug secured within the aperture and having a flat registering surface disposed perpendicular to the direction of motion of the movable component and a spaced inclined flat surface, a cylindrical



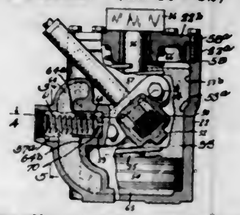
registering pin movably supported by the other component and having a flat registering surface parallel to the axes of the pin and a spaced inclined flat surface, the inclined surfaces coacting to force the registering surfaces into engagement when the registering pin is moved to move the inclined surfaces toward each other.

2,072,481

HYDRAULIC OPERATING MECHANISM FOR CIRCUIT BREAKERS AND THE LIKE

Jacob W. McNairy, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application January 27, 1934, Serial No. 708,637
6 Claims. (Cl. 60—52)



5. An hydraulic operator comprising a liquid filled chamber having a movable wall, a reservoir, a passageway extending between said chamber and said reservoir, a by-pass valve in said passageway normally biased to its open position to permit the flow of liquid through said passageway, pumping means connected to said reservoir, means for directing the liquid from said pumping means against said valve so that the pressure developed by said pump acts directly on said valve to operate it to its closed position and thereby close said passageway, said valve when in said closed position providing for the flow of said liquid into said chamber to move said wall, and means for decreasing the fluid resistance of said valve for insuring a rapid return movement of said valve from said closed position to said open position upon a predetermined decrease in the pressure supplied by said pumping means.

2,072,482

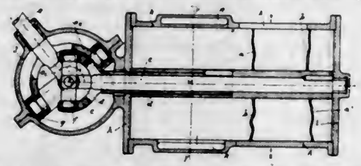
COMPRESSOR OR PUMP

Francis Emile Myard, Paris, France, assignor to Societe Anonyme Compagnie des Machines Pneumatiques Rotatives, Asnieres-sur-Seine, France

Application February 13, 1936, Serial No. 63,739
In France February 23, 1935
5 Claims. (Cl. 103—129)

1. A rotary compressor or pump of the type set forth comprising a hollow cylindrical stator,

two pairs of rotor blades mounted within the stator to rotate about the stator axis, a driving shaft exterior of the stator and having an axis concurrent with but inclined to the axis thereof, two Cardan joints connected to said driving shaft and having the same centre but offset through 90°, two output shafts from the said two Cardan



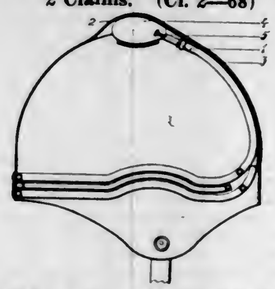
joints extending into the stator and having axes coincident with the stator axis, driving connections between one output shaft and one pair of rotor blades, driving connections between the other output shaft and the other pair of rotor blades, and inlet and discharge ports in the stator for the purposes set forth.

2,072,483

BATHING CAP

Wilhelm Karl Naundorf, Scheveningen, Netherlands

Application July 28, 1936, Serial No. 93,041
In Germany October 15, 1935
2 Claims. (Cl. 2—68)



1. A bathing cap of the character described having an inside crown pocket, an inflatable tightening tube arranged in coils inside the cap around the edge thereof and terminating at the ends in said pocket, an inflating ball located in the pocket and connected to one end of the tube, and an exhaust valve connected to the other end of the tube.

2,072,484

BILLIARD CUE

Barney R. Nyhagen, New York, N. Y.

Application December 27, 1935, Serial No. 56,306
4 Claims. (Cl. 273—70)



1. A tip for billiard cues comprising a rigid core having a convex outer surface and a flat inner surface provided with outwardly projecting spurs, a relatively yieldable sheath encasing said core and in which the spurs are embedded, an impact element constructed of a resilient material secured to the outer wall of said sheath and having a plurality of depressions formed in and distributed over the outer surface thereof to constitute suction cups when engaged with the cue ball and compressed by the impact of the tip therewith.

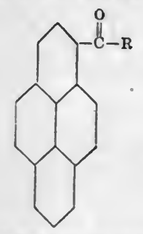
2,072,485

VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES AND PROCESS OF MAKING THE SAME

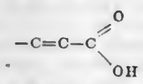
Roland Scholl, Dresden, Kurt Meyer, Berlin-Zehlendorf, and Joachim Donat, Dresden, Germany

No Drawing. Application January 24, 1936, Serial No. 60,738. In Switzerland February 2, 1935
10 Claims. (Cl. 260—61)

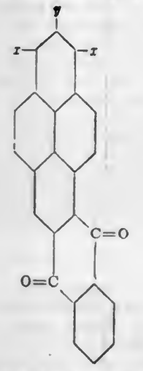
1. Process for the manufacture of vat-dyestuffs of the anthraquinone series, consisting in causing to act on ketones of the general formula—



in which R stands for an aromatic nucleus selected from the group consisting of nuclei of the benzene or naphthalene series, in presence of a condensing agent of the group consisting of aluminium chloride and ferric chloride and in presence of an indifferent flux, at temperatures lying above 110° C., reactive derivatives selected from the group consisting of anhydrides and acid halides of such aromatic carboxylic acids of the benzene or naphthalene series which contain at least once and not more than twice the atomic grouping—



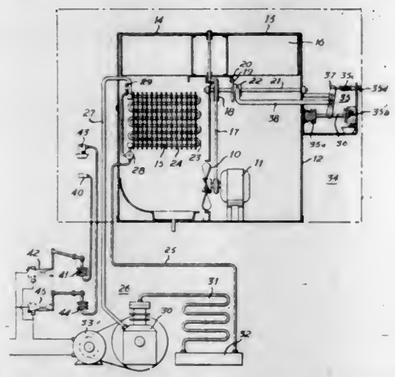
10. The vat dyestuffs of the general formula—



in which one x stands for a hydrogen atom and the other x stands for a C=O group, and in which y stands for a further C=O group, the two C=O

groups being linked themselves in ortho-position to each other to one and the same benzene ring, which products are dark powders, insoluble in water, but dissolving in sulfuric acid to green solutions, yielding with hydrosulfite and sodium hydroxide solution black-violet vats from which cotton is dyed yellow-orange tints.

2,072,486
REFRIGERATING APPARATUS
Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 24, 1934, Serial No. 758,872
15 Claims. (Cl. 62—6)



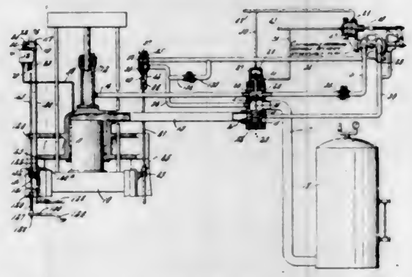
3. An air conditioner for a room comprising a blower, a non-fluid heat transferring member within the room exposed on one side to the room atmosphere, means causing air passing through said blower to pass through a heat absorbing section and a heat dissipating section of said member, and a cooler between said sections.

2,072,487
PURIFICATION OF CELLULOSIC MATERIAL
Francis H. Snyder, New York, N. Y., assignor to Snyder Maclaren Processes, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 3, 1934, Serial No. 738,378
5 Claims. (Cl. 92—9)

1. A process of producing pulp from waste paper which comprises digesting the same in a pulp-cooking liquor selected from the group consisting of soda, sulfite and sulfate cooking liquors, said cooking liquor having additionally dissolved therein a penetrant selected from the group comprising alkali-forming metal alkyl sulfates; alkyl substituted naphthalene sulfonic acids and alkali-forming metal salts thereof; alkyl substituted benzene sulfonic acids and alkali-forming metal salts thereof; and normal alkyl sulfonic acids wherein the sulfonic acid radicle is in the terminal position and alkali-forming metal salts thereof.

2,072,488
PRESS SYSTEM
Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Co., Piqua, Ohio
Application July 28, 1931, Serial No. 553,549
27 Claims. (Cl. 60—52)

5. In a press system, a platen, a pull-back ram and a main ram connected to said platen for operating it in alternate directions, a source of fluid, a pump for delivering fluid from said source to said rams alternately, means for changing the delivery of fluid from said pump to said rams so as to operate either ram selectively, a relatively low pressure, fluid actuated, control device for controlling said last named means and having a controlling valve device operated by the relatively high fluid pressure in said main ram to change delivery of fluid from said pump to said pull-back ram instead of the main ram automatically a predetermined and selected length of time after the pressure in the main ram has reached a desired pressure.



25. In a hydraulic motor, an operated member, a main ram and a pull-back ram connected to said member for operating it in alternate directions, a source of fluid under pressure, means including a pump and selectively operable for transferring fluid between said rams alternately, a passage connecting said source and each ram, a valve in each passage, means cooperating with said valves to prevent simultaneous closing of both valves, the valve in the passage to the main ram being a free check valve and normally closing to prevent fluid flow from said main ram toward said source, means for reversing the delivery of said transferring means from one ram to the other, fluid pressure operated means outside of said passages and connected to and operating the valve in the passage to the pull-back ram in both directions selectively, fluid pressure operated means connected to and operating said reversing means, and means for controlling the flow of operating fluid under pressure to both of said pressure operated means.

2,072,489
SPRING OF NICKEL IRON ALLOY
Reinhard Straumann, Waldenburg, Canton of Bale-Campagne, Switzerland
No Drawing. Application November 3, 1936, Serial No. 109,059. In Germany December 13, 1935
2 Claims. (Cl. 75—123)

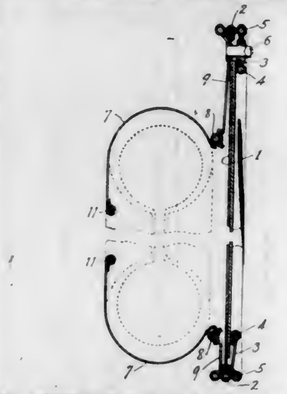
1. A nickel iron alloy with a hardening addition of beryllium, for the springs of thermo-compensated oscillating systems, for example balance springs for clocks and watches, in which with a content of 25–40% of nickel and 0.5–2% of beryllium with a calculated quantity of alloying addition of at least one of the metals of the group consisting of molybdenum, chromium and tungsten amounting to a total content of 5–12%, 0.5–2% of titanium is also alloyed, with the object that in addition to the great hardness achieved and the low temperature coefficient, the dependence of the latter and its secondary error on the fixing temperature is greatly reduced to the rate of 0.5–1 second for each degree centigrade variation of the fixing temperature.

2,072,490
ADVERTISING SIGN HOLDER
William E. Whaley, Louisville, Ky.
Application November 24, 1933, Serial No. 699,582
5 Claims. (Cl. 40—129)



2. An advertising sign holder for spare tires and the like comprising a substantially flat face member, means to secure it to a spare tire, a narrow framing band positioned against the marginal edge of said face member and adapted to overlap the marginal edge of a removable sign panel positioned between it and the face member, and means for holding said band in sign overlapping position, said holding means detachably securing at least a portion of said band to permit the removal of said panel.

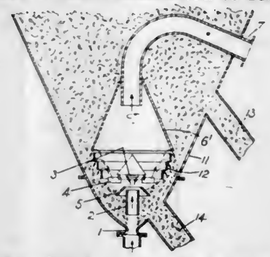
2,072,491
ADVERTISING SIGN HOLDER
William E. Whaley, Louisville, Ky.
Application August 24, 1935, Serial No. 37,655
14 Claims. (Cl. 40—129)



1. An advertising sign holder for use in connection with an annular support in the form of a spare tire or the like comprising a face member arranged for support over the exposed face of a spare tire, means for holding a removable sign over said member, a tire-engaging member, and means connecting said tire-engaging member to said face member, said connecting means engaging the tire-engaging member at points along a periphery smaller than the periphery of the face member.

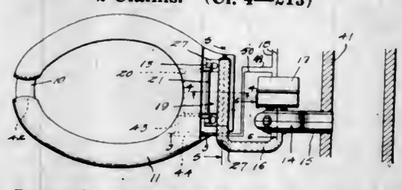
2,072,492
JET IMPACT PULVERIZER
Paul Anger, Kiel, Germany
Application July 18, 1934, Serial No. 735,852
In Germany August 1, 1933
1 Claim. (Cl. 83—46)

The combination of a funnel-shaped coal or like bunker, a nozzle for blowing a gaseous fluid into said bunker through the lower end thereof, an impact member arranged above the nozzle in the path of the fluid and of the material carried away with it, a double conical hood consisting of an upper portion and a lower portion arranged to cover said impact member and to receive the fluid and the resulting dust, said bunker and hood being designed and constructed to form between



them an annular feed passage which is of substantially uniform cross-section on a level with the impact member and which expands in upward direction above said level, and a pipe leading from the top of the hood through the bunker space to the outside for discharging from the bunker the fluid and the dust, said lower portion of the hood being built up from spaced and staggered rings.

2,072,493
TOILET VENTILATOR
William Beard, Colorado Springs, Colo.
Application April 16, 1936, Serial No. 74,738
2 Claims. (Cl. 4—213)

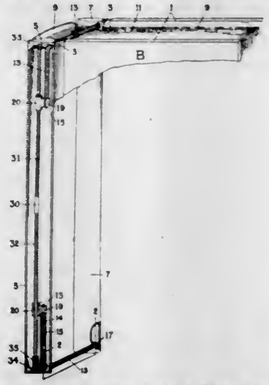


1. In combination, a toilet bowl, a seat hingedly secured to the top thereof and a ventilating means connected to the bowl, said ventilating means comprising a suction fan, a motor, means for connecting said motor to either side of the fan, a suction nozzle interposed between the rear portion of the seat and the top of the bowl, a pipe carried by the nozzle and extending laterally of each side thereof, an intake pipe connected at one end to a side of the fan opposite from said motor, means for reversibly connecting the intake pipe to a selected end of the first named pipe, means for closing the end of the first named pipe opposite from the intake pipe, a switch connected to the motor, means for mounting the switch within the seat adjacent the rear portion thereof, a yieldable sealing member interposed between the seat and the rim of the bowl, and a switch operating member interposed between the sealing member and the switch whereby to close the switch upon compression of the sealing member.

2,072,494
BINDER
Wilfrid Wedgwood Bowen, Washington, D. C.
Application August 12, 1933, Serial No. 684,912
7 Claims. (Cl. 129—41)

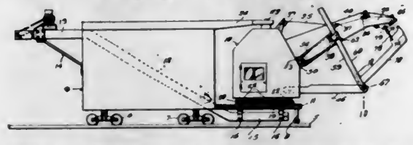
6. In an expansible binder a pair of clamp members, a flexible pull member therebetween, anchor means for one end of the pull member

carried by one clamp member, a reversibly movable operating element carried by the other clamp member and having a connection with the other



end of said pull member, and a flexible push member concentrically surrounding said pull member in operative engagement with said anchor means and operating element.

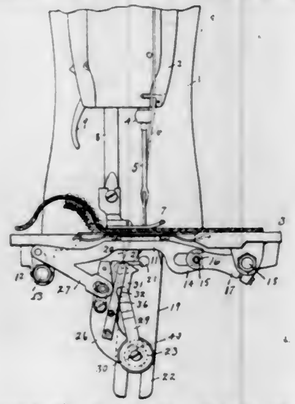
2,072,495
TUNNEL MUCKING MACHINE
Cecil M. Browner, Beaumont, Calif.
Application August 19, 1935, Serial No. 36,908
8 Claims. (Cl. 214—90)



1. In an excavator, a vehicle comprising a revoluble housing, a swingable dipper boom, a conveyor having one end located under the inner end of the dipper boom, said dipper boom comprising a dipper section and a material receiving section, said dipper section being pivotally connected to said receiving section, said dipper section being arranged to assume an inclined position in which it passes excavated material gravitationally onto said receiving section while said receiving section is in a relatively uninclined position, and said receiving section being arranged to be operated to assume a position of relatively great inclination while said dipper section is in a depressed digging position in which said receiving section gravitationally passes the received excavated material onto said end of said conveyor.

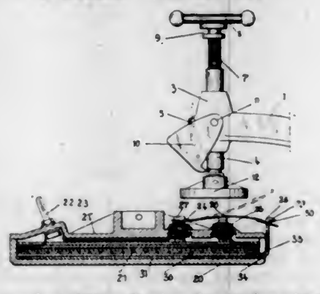
2,072,496
TUFTING ATTACHMENT FOR SEWING MACHINES
Leonard L. Crouch, East Gastonia, N. C.
Application October 9, 1936, Serial No. 104,772
1 Claim. (Cl. 112—79)

In a tufting machine comprising a stitching mechanism including a reciprocatory needle to carry the tufting thread through the fabric and form loops thereunder, a work feeding bar having a projection on one end, a bracket secured to the under side of the machine, a hub rigidly secured to the lower end of said bracket and adjustable thereon, a rock arm mounted on said hub and adapted to be rocked by the projection on the work feed bar, a looper secured at one end to the upper end of the rock bar and having a cutting edge and an aperture extending therethrough, an arm having one end rigidly secured to the said hub, a cutting blade pivoted at its lower end to the upper end of said arm and having an aperture in its side in line with the aperture in said looper, a ball fitted in the apertures of the blade and looper upon which the cutting



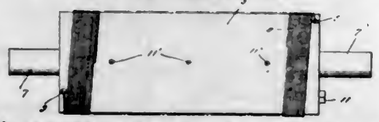
blade operates, a washer having an aperture therethrough in line with the aperture in the cutting blade, and a spring secured at one end to the rock arm and having a projection at its upper end extending into the aperture in said washer and exerting its pressure against the same to hold the cutting blade securely in position.

2,072,497
APPARATUS FOR ELECTRICALLY VULCANIZING INDIA RUBBER PIECES
Roland Albert Ernest Dupont, Epernay, France
Application July 13, 1935, Serial No. 31,295
In France November 30, 1934
6 Claims. (Cl. 18—18)



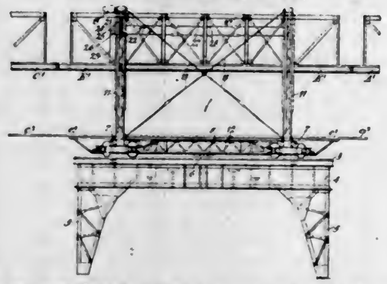
4. In a vulcanizing device for vulcanization of rubber, a heating block comprising a chambered body and a cover for the same, a rod for carrying said block, a resistance unit within the block, current leads connected to said resistance unit in an electric circuit, a resilient blade in said circuit and mounted on said block, said blade having an insulated bifurcated portion at one end, and being mounted at its other end, a hook entering between the bifurcations of the blade, a fixed contact on the block in the electric circuit for cooperation with said blade to close the circuit, a fusible element extending transversely beneath the hook and over the furcations to maintain the blade under strain and assure the closing of the electric circuit.

2,072,498
AMALGAMATING CYLINDER
Edwin L. Foster, Long Beach, Calif.
Application April 29, 1936, Serial No. 77,059
4 Claims. (Cl. 209—61)



1. An amalgamating cylinder having a perforated perimeter and adapted to contain mercury for issuance through the perforations in the cylinder, and a spreader element in spiral form disposed about the cylinder for spreading the mercury over the perimeter of the cylinder as the mercury issues from the latter.

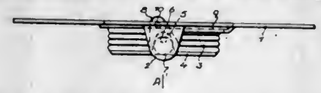
2,072,499
OVERHEAD TRACK FOR CARS, AIRCRAFT, AND THE LIKE
Hugh Fraser, Burnside, Ruthergien, Scotland, assignor to Inter-Counties Limited, Glasgow, Scotland
Application June 20, 1934, Serial No. 731,555
In Great Britain March 8, 1934
1 Claim. (Cl. 104—91)



In an overhead railway a main track, a turntable introduced in a gap in the track, a branch track terminating at said turntable, a curved track carried by the turntable, which, when the turntable is in one position, bridges the gap in the main track and when in another position bridges the gap between one end of the main track and the end of the branch track, the curvature of the curved track being such that the tracks in register therewith are tangential thereto, an abutment carried by the turntable, a pivoted trip over which said abutment trips when the turntable is rotated in one direction, and against which the abutment is thereafter brought to bear by rotating the turntable in the opposite direction to ensure accurate registering of the tracks, an electric motor to rotate the turntable, locking means to lock the turntable, an electric motor to operate the locking means, a switch closed by the co-operation of said abutment and trip when said turntable is rotated in said opposite direction, by which the circuit including the motor which operates the locking means is closed, and a switch operated by the locking means and by means of which the motor which rotates the turntable is stopped when the locking means is brought into operation.

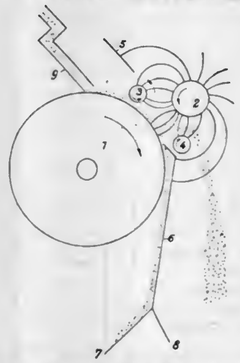
2,072,500
THERMOSTAT
Max Gaul, Eppstein in Taunus, Germany
Application November 19, 1934, Serial No. 753,718
In Germany September 19, 1933
2 Claims. (Cl. 236—34)

1. The combination of a valve mounting with a thermostat element adapted to expand and contract lengthwise under variations in temperature, a flat valve disc secured to one end of the thermostat element so as to leave the remainder of the thermostat element fully exposed, pivotal supporting means on the valve mounting for one end of the thermostat element, further pivotal supporting means on the valve mounting for the



other end of the thermostat element located eccentrically with respect to the first mentioned pivotal supporting means, said pivotal supporting means for the ends of the thermostat element being located intermediately of the ends of the thermostat so that on the thermostat element expanding it is forced to turn bodily around the pivotal supporting means for the ends of the thermostat.

2,072,501
APPARATUS FOR ELECTROSTATIC SEPARATION
Georg Grave, Frankfort-on-the-Main-Heddernheim, and Erich Oppen, Hanover, Germany, assignors to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application March 1, 1935, Serial No. 8,966
In Germany January 16, 1935
3 Claims. (Cl. 209—129)

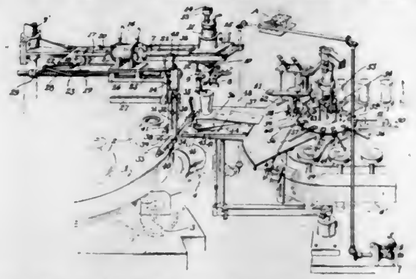


1. Apparatus for electrostatic separation comprising a revolving grounded carrier drum, means for delivering the material to be separated to said carrier drum, a relatively high potential revolving drum spaced from said carrier drum serving to create a high potential electrostatic field between said drums, and two grounded revolving drums disposed at opposite sides of said field and serving to confine the electrostatic field operative on the material to the space therebetween.

2,072,502
GLASS TRANSFER MECHANISM
George R. Haub, Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application June 18, 1935, Serial No. 27,267
13 Claims. (Cl. 198—20)

1. Mechanism for transferring glass articles to a glazer conveyer having cups which at the receiving end of the conveyer travel in an arcuate path in a horizontal plane, a dead pan beneath which the cups travel, centering fingers traveling

over the dead pan in the same arcuate path as the cups and sweeping glass articles from the

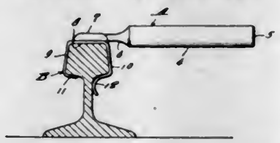


dead pan onto the cups as they emerge from beneath the dead pan.

2,072,503

COMBINATION TORPEDO FUSEE

Thomas W. Hays, Green River, Wyo.
Application August 22, 1935, Serial No. 37,390
1 Claim. (Cl. 246—487)

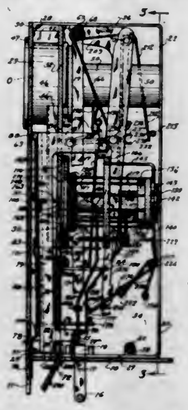


A railway signal device comprising a detonating cap, means for securing the cap upon a rail, a fusee projecting from the cap and adapted to be manually ignited at its outer end, said fusee including a burning substance extending from its outer end to contact with the cap, so that the cap will be consumed in sequence to the burning of the fusee.

2,072,504

CHECK TESTING APPARATUS

Aaron A. Knee, Charlotte, N. C., assignor to Vanak Corporation, Charlotte, N. C., a corporation of North Carolina
Application January 18, 1932, Serial No. 587,365
Renewed November 6, 1934
26 Claims. (Cl. 194—97)

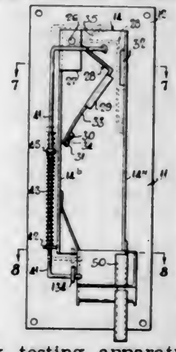


23. In a check testing apparatus, a plurality of independently movable feelers adapted to engage the side of a check pressed thereagainst, means controlled independently by any one of said feelers for directing the check thru the apparatus and single means for simultaneously adjusting the degree of effectiveness of all of said feelers.

2,072,505

ANTICLOG MEANS FOR CHECK CONTROLLED APPARATUS

Aaron A. Knee, Charlotte, N. C., assignor to Vanak Corporation, Charlotte, N. C., a corporation of North Carolina
Application December 5, 1935, Serial No. 53,036
1 Claim. (Cl. 194—97)

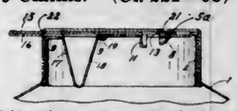


In a check testing apparatus, a chute for guiding a check into the apparatus, means for applying pressure to the check for testing the same, one of the sidewalls of the chute being swingably mounted for movement away from the other sidewall, said swingable sidewall having an opening in one of its edges to permit the check to pass therethrough into the testing apparatus, said swingable sidewall having a pair of spaced projections on the lower end thereof for stopping the fall of an inserted check and directing it into the apparatus, said projections being spaced apart from each other far enough to allow under-sized checks of a predetermined size to pass therethrough and also serving to arrest a non-circular object, and means connected to the swingably mounted sidewall and the means for applying pressure to the check for swinging said swingably mounted sidewall away from the other sidewall of the chute for returning any obstructing object in the chute to the exterior of the apparatus upon operation of the means for applying pressure to the check.

2,072,506

DISPENSING RECEPTACLE

Benno B. Leustig, Cleveland, Ohio
Application December 30, 1935, Serial No. 56,650
9 Claims. (Cl. 221—98)



1. In combination a receptacle having a closure member provided with an apertured wall, means extending laterally from said wall inwardly of the receptacle adjacent said aperture, an apertured closure slide positioned adjacent said apertured wall, means extending laterally of said closure slide inwardly of the receptacle adjacent the aperture of said closure member, said last named means and said first named means cooperating to discharge a measured quantity of said receptacle contents through said slide and closure member apertures.

2,072,507

BONDED ABRASIVE ARTICLE AND METHOD OF MANUFACTURING THE SAME

Osborne L. Mahlman, Kenmore, and Raymond C. Benner, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application July 1, 1931, Serial No. 548,254
13 Claims. (Cl. 51—280)

2. An abrasive article comprising abrasive grains and bond produced from a dispersion of vulcanizable previously coagulated rubber in liquid comprising a normally liquid resin.

2,072,508

RUBBER-RESIN DISPERSIONS

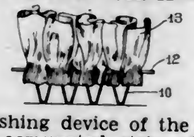
Osborne L. Mahlman, Kenmore, and Raymond C. Benner, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Original application July 1, 1931, Serial No. 548,254. Divided and this application December 11, 1933, Serial No. 701,868
8 Claims. (Cl. 134—17)

1. A composition of matter comprising a cream relatively high in rubber content cencentrated from a liquid dispersion of vulcanizable previously coagulated rubber in a liquid comprising a normally liquid synthetic resin.

2,072,509

GARNISHING DEVICE

Harold E. Mercer, Columbus, Ohio
Application June 19, 1936, Serial No. 86,195
6 Claims. (Cl. 41—10)

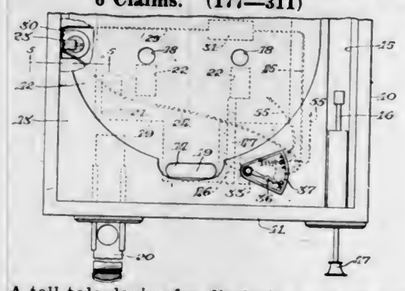


6. A garnishing device of the kind described, including a corrugated strip of stiff bendable material, the lower side of said strip constituting supporting legs, said corrugated strip perforated longitudinally above the center line thereof, a ruffled ribbon of decorative material having one of its margins inserted between the bends at the upper side of the said corrugated strip, and a rod extended through said perforations and the ribbon to hold the latter in the said corrugated strip.

2,072,510

TELLTALE DEVICE FOR GAMES

Raymond T. Moloney, Chicago, Ill.
Application November 1, 1935, Serial No. 47,895
6 Claims. (177—311)

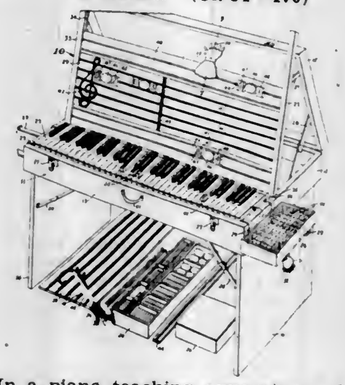


1. A tell tale device for disclosing unauthorized tilting of a substantially horizontal board, said device carried by the board comprising an indicator located visibly on the board and movable from one position to another, an upright shaft carried by the board for mounting and moving the indicator, means for releasably latching the shaft against turning movement, means normally tending to rotate the shaft against the action of the latch means, electro-magnetic means for releasing the latching means to cause turning of the shaft to move the indicator from its latched to the other position, and a disturbance operated switch carried below the board for causing energization of the electro-magnetic means.

2,072,511

PIANO TEACHING APPARATUS

Marjorie Vincent Ross, Long Beach, Calif.
Application March 30, 1936, Serial No. 71,629
11 Claims. (Cl. 84—470)

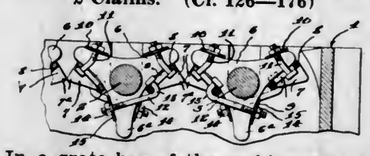


1. In a piano teaching apparatus, a housing, said housing including ends, sides, a bottom, and a top, means to support said housing, a pair of posts on said housing, said posts having opposed grooves, a staff member having its ends in said grooves, said staff member including a plurality of protuberant bars and grooved block members fitted on said bars, said block members being of a width to fit between said bars.

2,072,512

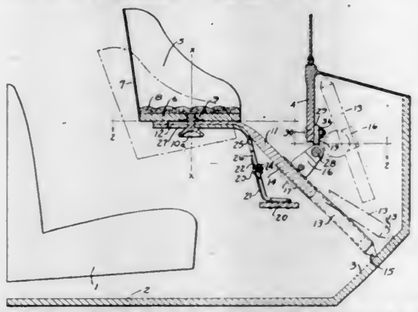
FURNACE GRATE

Arthur Gordon Wheler, Syracuse, N. Y.
Application November 29, 1935, Serial No. 52,083
2 Claims. (Cl. 126—176)



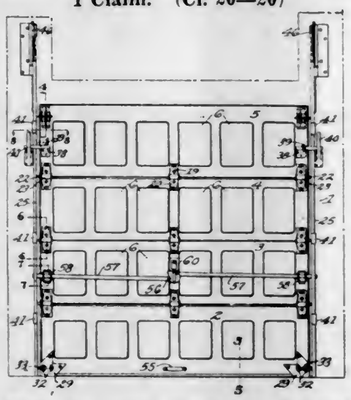
1. In a grate bar of the rocking type including a body movable about a lengthwise axis and having cross bars spaced apart, the combination of a strip secured to the end portions of the cross bars and extending lengthwise of the body, the strip being formed with cross bars arranged in a different radius from the former cross bars and the ends of which are substantially the same radial distance from the axis of the body as the ends of the former cross bars, the strip being formed with perforations therethrough registering with and of less width than the interstices between the former cross bars and the cross bars of the strip being spaced apart a less distance than the former cross bars.

2,072,513
AUXILIARY SEAT
Floyd M. Carpenter, Dayton, Ohio
Application March 12, 1935, Serial No. 10,677
7 Claims. (Cl. 155—10)



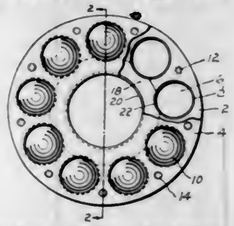
2. In a vehicle seat, a body support, means for mounting said body support comprising a mounting post having its base provided with means for holding the same in rigid relation with respect to a plane surface of said vehicle and a body support bracket longitudinally slidably engaging said mounting post, means securing said body support to said body support bracket for sliding along said bracket and for pivoting about an axis approximately normal thereto, a clamping bracket securing said body support bracket and mounting post against relative movement, and a clamping bracket support securing said body support and attached standard to a fixed portion of said vehicle for hinged movement about a horizontal axis and for sliding movement therealong.

2,072,514
SECTIONAL DOORWAY
James F. Daniell, Columbus, Ohio, assignor to Ralston Steel Car Company, Columbus, Ohio, a corporation of Ohio
Application January 16, 1933, Serial No. 651,878
1 Claim. (Cl. 20—20)



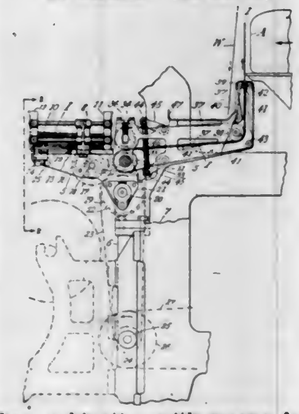
A sectional door structure comprising a plurality of rectangular sections, hinge means uniting said sections, anti-friction devices projecting from the ends of said sections, guide rails mounted independently of said door sections adjacent to the sides of the doorway and in which said anti-friction devices are received from the said guide rails terminating at their upper ends in substantially arcuate extensions, horizontal pivotal connections for mounting the lower ends of said guide rails, stop means for limiting the extent of oscillation of said guide rails, stationary horizontally extending guide rails arranged in registration with the arcuate extensions provided in the upper ends of the movable guide rails, counter-balancing means connected with said door sections to facilitate travel thereof in connection with the movable and stationary guide rails, stationary wedge brackets mounted independently of the movable guide rails, and means carried by one of said door sections and cooperative with said wedge brackets when said door sections are in a position of closure to cause sufficient movement of the movable guide rails to bring the door sections carried thereby into firm closing engagement with an associated door jamb.

2,072,515
ANTIFRICTION BEARING
Thomas C. Delaval-Crow, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 27, 1934, Serial No. 755,017
3 Claims. (Cl. 308—235)



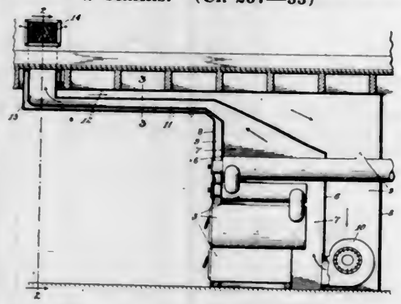
1. In a device of the character described, a pair of connected rings having openings for rolling elements, the rings abutting against one another between the openings, rolling elements in the openings, the inner peripheral portions of the rings having circular recesses mating with one another and leaving the inner edges of the rings spaced apart, and said spaced edges being bevelled outwardly towards the recesses; substantially as described.

2,072,516
INSERT ATTACHMENT FOR WRAPPING MACHINES
Lester Ferenci and Sigurd Clausen, Brooklyn, N. Y., assignors to American Machine & Foundry Company, a corporation of New Jersey
Application February 8, 1934, Serial No. 710,336
15 Claims. (Cl. 93—2)



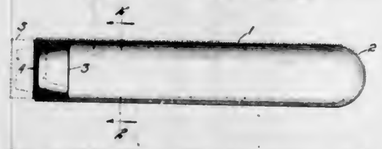
15. The combination with means for advancing an article which is to be wrapped, of mechanism for supporting a wrapper from above in the path of said article, a magazine adapted to contain a stack of inserts, a device for removing an insert from said stack and feeding it upwardly between said wrapper and a side of said article to assemble the insert between said article side and the wrapper during the wrapping operation.

2,072,517
FURNACE CIRCULATORY SYSTEM
Cyril S. Gille, Woodinville, Wash.
Application August 2, 1935, Serial No. 34,351
2 Claims. (Cl. 237—53)



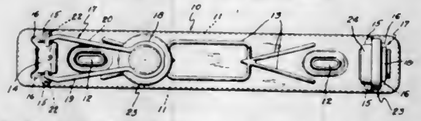
1. In a furnace circulatory system, the combination with a furnace installed in the basement of a building having rooms and a floor between said rooms and basement, an inner casing surrounding the furnace and forming a hot air chamber therebetween, an outside casing surrounding the inner casing and forming a cold air chamber therewith, a cold air trunk extending from a connection with the cold air chamber upwardly and along the bottom of the floor, cold air intakes extending through the floor to a connection with the cold air trunk for conducting cold air from the rooms to the cold air chamber, a hot air trunk extending from a connection with the hot air chamber upwardly and inside of the cold air trunk leaving a space between the hot and cold air trunks for the downward passage of cold air, a branch conduit connected to the hot air trunk and deflected through the wall of the cold air trunk and the floor of the building to each room, and registers in each room connected to the ends of the branch conduits for escape of hot air into the rooms.

2,072,518
CLOSURE FOR ICE-MAKING TUBES
Mortimer J. Brown, Niagara Falls, N. Y.
Application July 6, 1936, Serial No. 89,114
3 Claims. (Cl. 62—108.5)



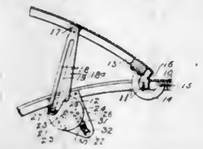
1. In combination with an open-ended container in which liquid is to be frozen, the open end of said container having an inner wall parallel to the axis of the container, a hollow closure therefor of flexible material having an outer sealing surface to seat within said container adjacent the open end thereof to form a slidable fluid-tight seal, and a diaphragm closing the outer end of said closure to form a surface against which the fluid presses while freezing to cause sliding movement of said closure whereby the seal is maintained while the closure slides axially as the freezing liquid expands in volume.

2,072,519
HOLDER FOR PAPER TOWELS IN ROLL FORM
Edward W. Carpenter, Fairfield, and Winthrop H. Fry, Bridgeport, Conn., assignors to The E. W. Carpenter Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application August 7, 1936, Serial No. 94,728
8 Claims. (Cl. 242—55.2)



2. In a holder for paper towels in roll form, a mounting plate having bearings toward each end, a pair of arms each comprising wire legs and angularly disposed trunnions at the free ends of said legs, said trunnions being disposed in said bearings whereby the arms are hingedly mounted, and a roll mounting member carried by each of said arms.

2,072,520
AUTOMATIC CLOSURE-SUPPORT
Floyd M. Kirkpatrick, Erie, Pa.
Application September 10, 1935, Serial No. 39,898
3 Claims. (Cl. 217—60)

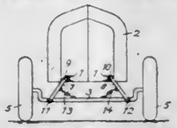


1. In a latching device comprising an attachment for a closure and closure-frame, for holding the closure open with relation to the closure-frame, the combination of a supporting member provided with means for securing it to the closure-frame, a latch provided with means to pivotally connect it to the closure and having a longitudinal slot and a shoulder, a plate mounted for rotary movements on said supporting member and provided with a stud that extends through said slot and is relatively movable along the latter, said plate having a second stud that is movable into and out of engagement with said shoulder as the plate makes rotary movements in opposite directions, and a spring device operatively connected to said plate and to said supporting member in a proper relation for yieldingly holding the said second stud alternately in and out of engagement with said shoulder.

2,072,521
MOTOR VEHICLE
Joachim Kolbe, Hanover, Germany
Application December 26, 1935, Serial No. 56,268
In Germany December 28, 1934
10 Claims. (Cl. 280—112)

1. In a motor driven vehicle wherein the body thereof is adapted to assume an inclined position while travelling through curves on a road, means connecting the carriage body of the vehicle to a wheel axle comprising a plurality of inclined

single link members pivoted at one end directly to the carriage body and at the other end directly to the wheel axle, said link members consti-



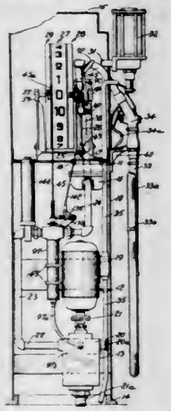
tuting a sole and direct connection between said carriage body and wheel axle for the support of the carriage body and means normally tending to maintain said body in an upright position.

2,072,522

DISPENSING AND MEASURING GASOLINE OR THE LIKE

Cos P. Lent, New York, N. Y.

Application May 16, 1935, Serial No. 21,779
6 Claims. (Cl. 221—95)



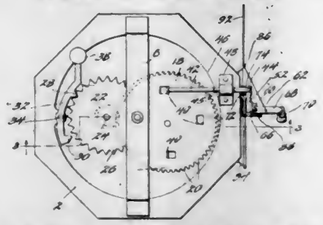
1. In an apparatus for dispensing gasoline or the like in measured quantities; a motor operated pump, a reservoir connected to said pump; a cylinder also connected to said pump; a piston in said cylinder made operative by the gasoline flow from said pump, said piston having stored pressure means for restoring a series of registering dials back to a "zero" reading, said stored pressure means remaining operatively effective after the dispensing of said gasoline from the apparatus aforesaid and after the operation of said motor pump shall have been stopped.

2,072,523

ALARM

Nathan M. Levy, Baltimore, Md.

Application June 22, 1936, Serial No. 86,654
12 Claims. (Cl. 116—100)



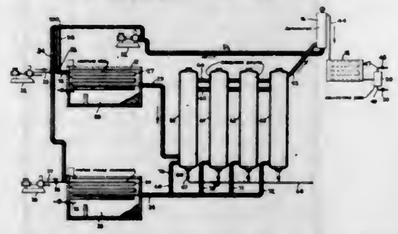
1. An alarm comprising a gong, a clapper, spring motor means for operating said clapper, means for winding said spring motor, means for arresting operation by said spring motor means, said arresting means comprising an elongated, slidably-mounted, rocking member disposed to turn on an axis extending lengthwise of said rocking member and to move along an axis extending lengthwise of said rocking member and having a crank arm, a keeper for holding said crank arm and thereby locking said rocking arm in arresting position, a swinging member connected to said crank arm and disposed to turn said crank arm from its engagement with said keeper, and resilient means acting on said crank arm for sliding said rocking member away from engagement with said spring motor means when said crank arm is disengaged from said keeper.

2,072,524

PROCESS FOR CONVERTING HYDROCARBON OILS

Donald H. Mace, Upper Montclair, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application May 2, 1932, Serial No. 608,614
6 Claims. (Cl. 196—48)



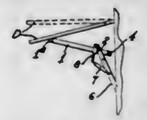
1. The process of converting high boiling hydrocarbon oils into lower boiling products which comprises forcing oil under pressure through a heating coil of restricted cross section wherein the oil is raised to a cracking temperature, delivering the highly heated oil into a body of oil in the first of a plurality of bodies of oil maintained in a plurality of series-connected stills, through which the oil flows in succession, maintaining predetermined cracking temperatures in the respective stills by delivering directly to the body of oil in each still regulated quantities of cracked vapors resulting from a vapor phase cracking operation, and withdrawing heavy residue and carbon from the last still of the series.

2,072,525

APPARATUS FOR HOLDING A DOOR OPEN

Frank L. Mann, Le Mesa, Calif.

Application February 3, 1936, Serial No. 62,157
5 Claims. (Cl. 292—263)



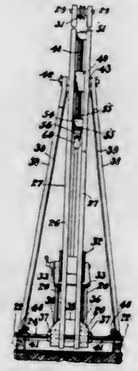
3. In an apparatus for holding a door open, a bar pivotally connected at one end to the inner side of a door, another bar pivotally connected to the door frame above the door, said bars pivotally connected together near their opposite ends but shiftable slightly longitudinally, and engageable lapped members on each of said bars arranged to prevent longitudinal relative shifting of said bars under ordinary pressure.

2,072,526

MOUNTING FOR ROCK DRILLS

William A. Morrison, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application August 23, 1934, Serial No. 741,066
4 Claims. (Cl. 255—51)



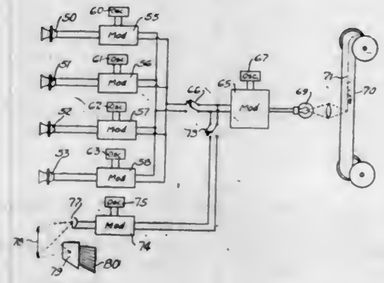
1. A mounting for rock drills, comprising a support, a guide frame for a rock drill pivoted to the support, a brace for the guide frame pivoted at one end to the support, a pivot for the other end of the brace, and means on the pivot and the guide frame comprising intermeshing members one of which is rotatable to shift the pivot longitudinally of the guide frame and thereby alter the angular relationship of the guide frame with respect to the support.

2,072,527

MULTIPLE SOUND AND PICTURE RECORDING AND PROJECTION SYSTEM

Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware

Application May 27, 1930, Serial No. 456,037
Renewed July 29, 1936
9 Claims. (Cl. 178—6)



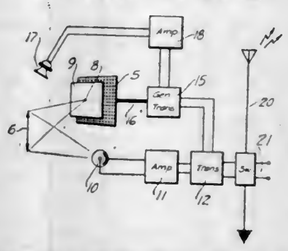
1. In a sound and picture recording system, a plurality of pick-up devices for sound and a source of television frequencies, means for segregating the sound frequencies into individual frequency channels, means for separating the picture frequencies from the sound frequency channels, and means common to all of said channels for simultaneously recording said sound and picture frequencies, said means including a common recording light source.

2,072,528

IMPULSE TELEVISION SYSTEM

Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware

Application June 25, 1930, Serial No. 463,593
Renewed July 29, 1936
13 Claims. (Cl. 178—6)



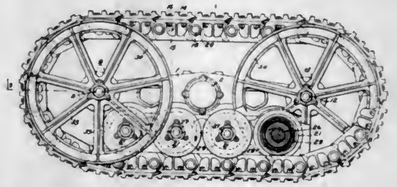
1. A television transmission system comprising means for producing rapidly occurring current impulses, a coordinate electrode system, means for impressing said impulses on said system in a serial order, means for scanning an object with a plurality of light beams generated between said electrodes by said impulses, means for transforming light from said object into said electrical currents, and means for mixing said impulses with said last-mentioned currents.

2,072,529

CRAWLER MECHANISM

Emil F. Norelius, Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application March 23, 1935, Serial No. 12,534
8 Claims. (Cl. 305—9)



6. In a crawler mechanism for vehicles, a frame, a roller unit rotatably mounted on said frame and having axially spaced guide flanges extending radially at opposite ends of said roller unit, circumferential tread surfaces being formed on said roller unit between said guide flanges thereof, an end wheel structure mounted on said frame for rotation about an axis in radially spaced relation to the axis of said roller unit and having axially spaced rim portions, the axial spacing of said rim portions being greater than the axial width of said roller unit between the outer surfaces of said guide flanges, and said rim portions extending radially over said guide flanges in axially spaced relation thereto, an endless track chain comprising rail members cooperating with said tread surfaces of said roller unit and adapted to be guided between said guide flanges of said roller unit, and tread plates extending transversely of said rail members, said rail members being adapted to enter between said axially spaced rim portions of said end wheel structure and having associated therewith laterally projecting portions adapted to contact laterally with said rim portions of said end wheel structure, and said tread plates being adapted to

circumferentially engage said rim portions of said end wheel structure while said rail members are received therebetween.

2,072,530

PROCESS FOR THE MANUFACTURE OF CITRATE OF LIME FROM CITRUS FRUITS

Andrea Ricevuto, Palermo, and Alexander Hutcheon Bennett, Messina, Italy

No Drawing. Application May 9, 1936, Serial No. 78,955. In Italy April 30, 1935

4 Claims. (Cl. 260—112)

4. In the manufacture of citrate of lime from citrus fruit a process for recovering the whole of the acid contained in the mass of the fruit after crushing and mincing, consisting in the addition to this mass of a quantity of lime sufficient to neutralize about one fourth part of the acid present, leaving the mass in repose until a clear liquid separates spontaneously, separating this liquid from the mass and washing and pressing of the mass until the whole of its useful content of acid has been extracted.

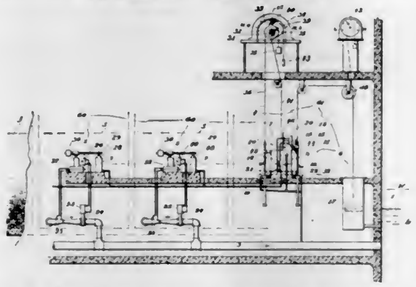
2,072,531

FLOW CONTROL SYSTEM

Charles G. Richardson, Providence, R. I., assignor to Builders Iron Foundry, Providence, R. I., a corporation of Rhode Island

Application February 2, 1934, Serial No. 709,474

15 Claims. (Cl. 137—68)



1. A fluid regulating system comprising, in combination, flow regulating means, master control means normally controlling the operation of said regulating means, a second master control means also capable of controlling the operation of said regulating means, and means responsive to said second master control means for simultaneously disconnecting the first mentioned master control means and transferring the control of said regulating means to the said second master control means.

2,072,532

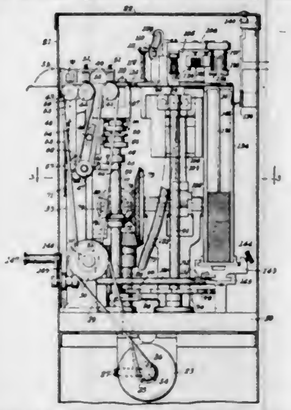
ADMISSION TICKET CHECKING APPARATUS

George D. Roedels, New York, N. Y., assignor to Bell Punch Company, Ltd., London, England

Application May 14, 1935, Serial No. 21,345

12 Claims. (Cl. 101—78)

1. In a machine of the character described, strip ticket feeding means comprising plural pairs of feed rolls and rotary brushes, means for separating the first of said rotary brushes from its cooperating feed roll, abutments in the path of a ticket and between the first two feed rolls, means for moving said abutments out of the path of the ticket, a shear plate between the last two brushes, and a ticket severing knife cooperatively engaged with said shear plate for severing the leading



ticket from a strip passing through said feeding means.

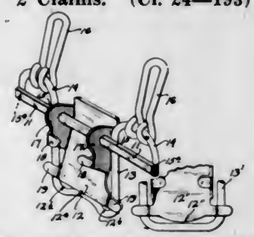
2,072,533

BUCKLE FOR WHEEL TRACTION DEVICES

Harold Stokke, Winona, Minn., assignor to Peerless Chain Company, Winona, Minn., a corporation of Minnesota

Application August 14, 1935, Serial No. 36,104

2 Claims. (Cl. 24—193)



1. A strap-engaging buckle comprising a yoke and a relatively movable co-operating tongue, one of said members having a strap-engaging surface bulged toward and opposed to the strap-engaging surface of the co-operating buckle member, whereby the strap will be engaged with a maximum gripping action at its transversely intermediate portion, said tongue extending obliquely through said yoke between the ends thereof, and means mounting said tongue on said yoke at elevated points remote from the bulged strap engaging surface of the buckle and causing the free end portion of the strap to retain the tongue in gripping position.

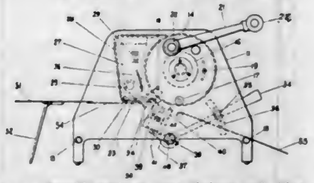
2,072,534

DUPLICATING MACHINE AND METHOD

Ernest M. Terry, Harrison, N. Y.

Application December 2, 1935, Serial No. 52,508

4 Claims. (Cl. 101—132)



1. In a duplicating machine of the character described, a tank containing solvent, means for maintaining a uniform and constant capillary flow of said solvent to the upper face of the clear sheet consisting of absorbent pads and absorbent cords controlling the flow of said solvent, means for conveying the moistened clear sheet into contact with a reverse master copy and means for compressing the moistened clear sheet against the master copy to obtain a duplicate copy upon said moistened clear sheet.

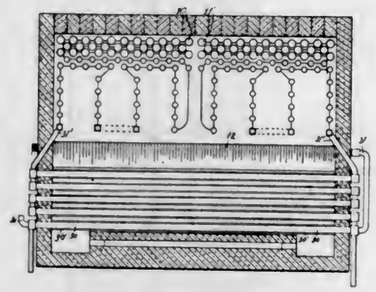
2,072,535

METHOD OF AND RADIANT HEAT STILLS FOR DISTILLING HYDROCARBON OILS

Donald L. Thomas, New York, N. Y., assignor, by mesne assignments, to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware

Application November 21, 1931, Serial No. 576,518

16 Claims. (Cl. 196—116)



16. In a furnace for heating hydrocarbon fluids to cracking temperature, a radiant heating chamber, means for producing hot products of combustion in the lower part of said radiant heating chamber, means forming a passage for withdrawing the products of combustion from the radiant heating chamber, a plurality of interconnected parallel rows of radiant heat absorbing tubes in the upper part of the combustion chamber for conveying hydrocarbon fluid being heated from one row to another, said rows having portions of several tubes each substantially entirely above the lower part of said radiant heating chamber wherein the hot products of combustion are generated and depending in a plurality of spaced parallel vertical planes parallel to the flow of hot products of combustion towards said passage in the combustion chamber and spaced apart to expose the tubes thereof to radiant heat on both sides from the hot products of combustion after generation thereof.

2,072,536

CLOSURE

John P. Trickey and John R. Price, Dayton, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application September 7, 1932, Serial No. 631,956

11 Claims. (Cl. 215—38)

9. A unitary molded closure for containers comprising a body portion formed of a molded composition provided with an internal liner or sealing element formed integrally therewith and which is of sufficient plasticity to be deformed by a coacting portion of a container to form a seal, said liner or element comprising a resilient, plastic, vinyl resin composition essentially composed of a vinyl resin substantially identical with a resin resulting from the conjoint polymerization of



vinyl chloride with a vinyl ester of an aliphatic acid together with a wax.

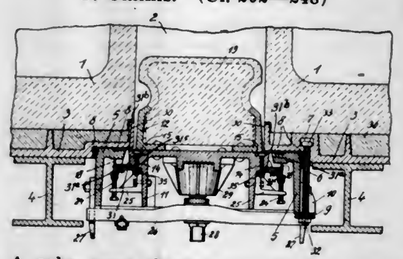
2,072,537

COKE OVEN DOOR

Paul Van Ackeren, Essen-Ruhr, Germany, assignor, by mesne assignments, to Koppers Company, a corporation of Delaware

Application December 5, 1930, Serial No. 500,221. Renewed December 16, 1935. In Germany December 9, 1929

10 Claims. (Cl. 202—248)



1. A coke oven closure comprising a door to cover the mouth of a coking chamber, a door frame fixed to said oven and surrounding said door with a clearance, means for holding said door in position in front of said coking chamber, automatically active sealing means for sealing the space between said door and said frame and means removably connecting said sealing means with said door, said sealing means comprising a pressure frame, a sheet metal frame removably mounted on said door and supporting said pressure frame, another sheet metal frame fixed to said pressure frame and in freely movable engagement with said door and packing material filling the space between said frames.

2,072,538

COILABLE MEASURING RULE

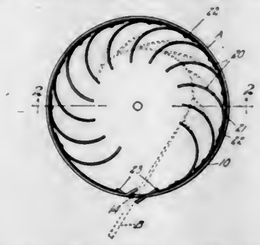
Frederick A. Volz, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut

Application February 11, 1935, Serial No. 5,963

10 Claims. (Cl. 33—138)

10. In a rule of the character described, a resilient measuring tape having a transverse curvature and an inherent tendency to assume a rectilinear state, a casing having an entrance slot through which said tape is moved and within which said tape is adapted to be wound into an externally wound coil, and spring retaining means positioned in said casing about the coiled tape and secured to said casing and comprising a plurality of circumferentially spaced apart, in-

herently resilient elements arranged to frictionally engage the outer surface of the outer convolution of the tape to cause the tape to assume a coiled form within the casing and wind upon itself as it is pushed into the casing, said elements



exerting a radially inward pressure against the outer convolution of the coiled tape and arranged to move generally radially of the casing as the tape is pushed into the casing and withdrawn therefrom.

2,072,539

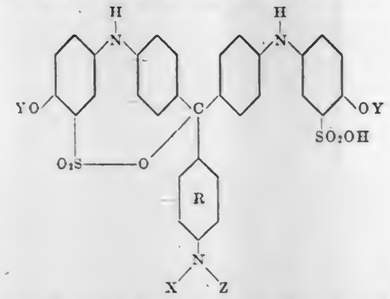
ACID TRIPHENYLMETHANE DYESTUFFS

Paul Wolff and Wilhelm Werner, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 12, 1934, Serial No. 730,359. In Germany June 15, 1933

4 Claims. (Cl. 260—67)

1. The compounds of the general formula:



wherein Y stands for a member of the group consisting of alkyl and aryl, X stands for a member of the group consisting of alkyl, aryl, aralkyl and formyl, Z stands for a member of the group consisting of hydrogen, alkyl and aryl and wherein the nucleus R contains a member of the group consisting of hydrogen, halogen and lower alkyl groups, being dyestuffs of very good fastness to light, a clear tint and a very good color by artificial light.

2,072,540

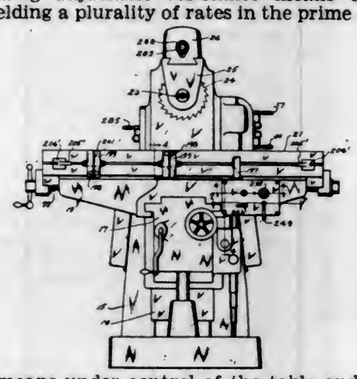
MILLING MACHINE TRANSMISSION AND CONTROL MECHANISM

Leigh W. Wright, Norwood, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application January 2, 1935, Serial No. 111

33 Claims. (Cl. 90—21)

5. In a machine tool having a tool support and a work support, the combination of means for moving one of said supports relative to the other at a plurality of different feeding rates including a train connected for support movement, a direct current prime mover for actuation of the train, a source of alternating current, a rectifying circuit for coupling the source to said prime mover and including adjustable resistance means capable of yielding a plurality of rates in the prime mover,



and means under control of the table and effective on said circuit at predetermined points in the travel thereof for automatically adjusting said resistance to yield new rates.

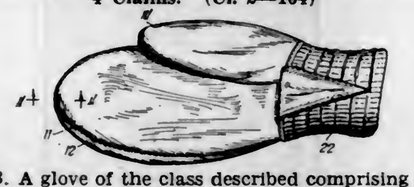
2,072,541

RUBBERIZED GLOVE

John Burnham, Michigan City, Ind., assignor to Frederic H. Burnham Company, Michigan City, Ind., a corporation of Indiana

Application August 30, 1935, Serial No. 38,511

4 Claims. (Cl. 2—164)



3. A glove of the class described comprising an outer leather ply having an inturned stitched seam and a rubber latex layer internally of said outer ply and adhesively united to the inner surface thereof, said inner rubber latex layer covering both faces of said inturned stitched seam.

2,072,542

FABRIC BAND

Conrad J. Busch, Wyomissing, and Otto Eugene Huber, Reading, Pa., assignors to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania

Original application March 13, 1936, Serial No. 68,702. Divided and this application May 27, 1936, Serial No. 81,992

3 Claims. (Cl. 66—172)



1. A fabric band of uniform expansibility comprising longitudinal and transverse strands and having a relatively thinner marginal portion formed with transverse strands of lesser diameter than the transverse strands in the remainder of the band and provided with longitudinal strands forming a needle track portion.

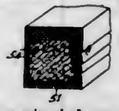
2,072,543

PACKING

John T. Crane, Maywood, Ill., assignor to Felt Products Mfg. Co., Chicago, Ill., a corporation of Illinois

Application January 2, 1932, Serial No. 584,547

5 Claims. (Cl. 154—45.5)



1. A packing material comprising a core consisting substantially entirely of fibrous material, and a covering of metallic foil extending substantially parallel to said core and entirely enveloping the same in substantially uniform folds all following the contour of said core, the edges of said covering extending longitudinally and parallel to the longitudinal axis of said core and overlapping each other.

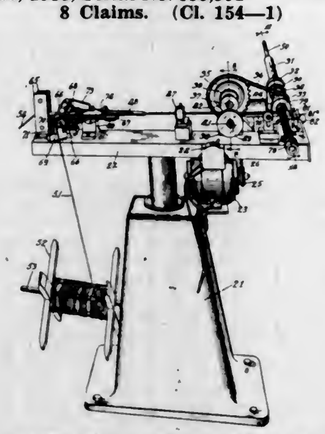
2,072,544

MACHINE FOR MAKING PACKING

John T. Crane, Maywood, Ill., assignor to Felt Products Mfg. Co., Chicago, Ill., a corporation of Illinois

Original application January 2, 1932, Serial No. 584,547. Divided and this application February 15, 1933, Serial No. 656,961

8 Claims. (Cl. 154—1)



1. A machine for making packing material and the like comprising means for receiving continuous lengths of metallic foil strip and continuous lengths of fibrous core material in substantially parallel relation and folding the foil longitudinally around the core so that it forms a sheath extending parallel to the core, means for continuously drawing said foil strips and core material through said folding means, and forming means operating upon the composite material to render the same of predetermined cross-sectional shape and size.

2,072,545

FUEL INJECTOR STRUCTURE FOR OIL ENGINES

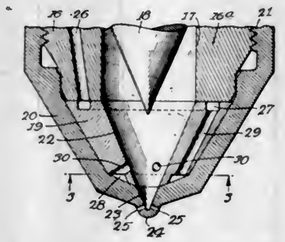
Clessie L. Cummins, Columbus, Ind., assignor to Oil Engine Development Company, Columbus, Ind., a corporation of Indiana

Application November 7, 1932, Serial No. 641,491

Renewed December 14, 1935

4 Claims. (Cl. 123—33)

1. In an oil engine, the combination of a cylinder having a combustion space, a piston operable therein, and means for delivering air thereto, of fuel injector mechanism which comprises a body member having a central bore therein, another member at one end of said body member having a bore therein aligned with said body bore and forming with the latter a mixing chamber, a third member surrounding said second member and having a nozzle with ports adapted to communicate with said mixing chamber and to discharge directly into said combustion space, said third member having threaded connection with said body member only for securing all said



parts together as a unit, means including a fuel chamber between said second and third members above and independent of said nozzle ports and one or more upwardly directed ports in said second member connected to said fuel chamber and leading therefrom upwardly to discharge directly into said mixing chamber above said nozzle ports for delivering liquid fuel to said mixing chamber, and means for controlling said delivery of fuel and also admission of air through said nozzle ports to said mixing chamber and for controlling discharge of the mixture from said chamber.

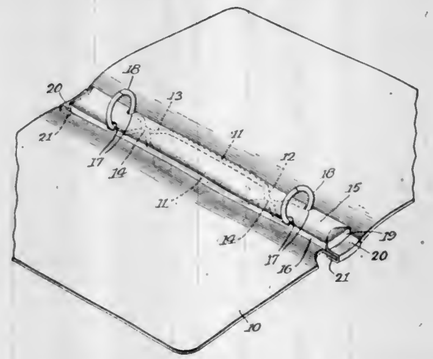
2,072,546

LOOSE LEAF BINDER

James C. Dawson, Webster Groves, Mo., assignor, by mesne assignments, to Loose Leaf Metals Company, a corporation of Missouri

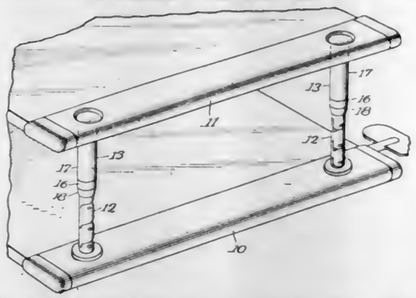
Application December 24, 1934, Serial No. 758,901

1 Claim. (Cl. 129—24)



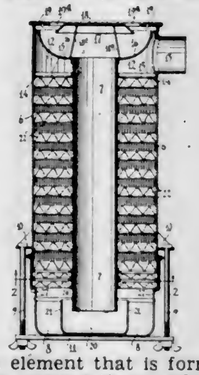
A loose leaf binder comprising a cover formed of an uninterrupted sheet of flexible material, a transversely arched spring plate, openable sheet-holding prongs in toggle engaged sets carried by the arched plate, such plate having its end portions extended beyond the arched portion and offset downwardly and folded backwardly to detachably engage the cover.

2,072,547
CHAIN POST LOOSE LEAF BINDER
James C. Dawson, Webster Groves, Mo., assignor, by mesne assignments, to Loose Leaf Metals Company, a corporation of Missouri
Application January 31, 1935, Serial No. 4,225
1 Claim. (Cl. 129—41)



In a loose leaf binder, in combination with a pair of binder bars, posts uniting the bars, each post comprising a portion formed of pivotally united links, an end link of each having a threaded axial socket, an extension stem of greater diameter than the links and being in threaded engagement with the end link, a tapering sleeve fitting upon the end link, one end thereof being of the diameter of the link and its opposite end being of the diameter of the stem, and means for securing the stem to one of the binder bars.

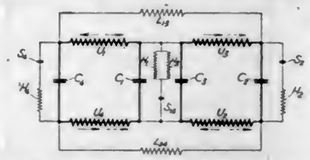
2,072,548
AIR CLEANER
Frank A. Donaldson, Minneapolis, Minn.
Application December 17, 1934, Serial No. 757,827
4 Claims. (Cl. 183—15)



1. A screen element that is formed with parallel transverse corrugations and with a central passage adapting it to be placed within the casing and around the axial air intake tube, and a frame in which said screen element is mounted, said frame comprising inner and outer annular portions connected by radial spokes.

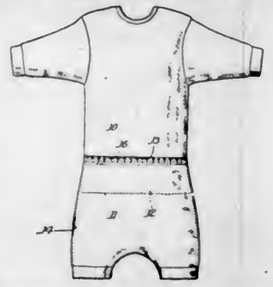
2,072,549
MEANS FOR OPERATING ELECTRIC EDDY CURRENT FURNACES
Ludwig Dreyfus, Vasteras, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application November 26, 1935, Serial No. 51,589
In Sweden September 20, 1934
7 Claims. (Cl. 13—26)

1. In electric eddy current furnace installations, a furnace winding divided into sections, a high frequency current source divided into sections each connected in series with one of said furnace winding sections, and condensers for



compensating the reactance of said furnace winding connected between the terminals of said current source sections.

2,072,550
UNDERGARMENT
Harold Whitney Faulkner, Chicago, Ill., assignor to Marshall Field & Company, Chicago, Ill., a corporation of Illinois
Application December 19, 1934, Serial No. 758,161
1 Claim. (Cl. 2—78)

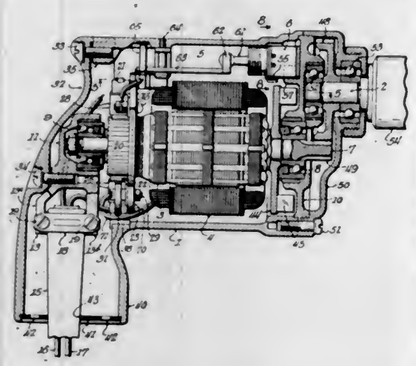


An undergarment comprising, in combination, front, back and drop seat sections, the lower portion of the back section extending below and inside of the upper edge of the drop seat section, the drop seat section having a tubular portion formed along its upper marginal edge extending thereacross, the ends of the tubular portion being secured in side seams securing the back section and drop seat section together, slits formed in the outer face of the tubular portion at points spaced from the side seams, inelastic straps secured in the side seams at the ends of the tubular portion and extending adjacent the outer face of the tubular portion, loops mounted on the free ends of the inelastic straps, and an elastic member extending through the tubular portion with its ends extending through the slits in said portion and secured to the loops which are mounted on the straps.

2,072,551
PORTABLE ELECTRIC TOOL
Frithiof P. Forss, Aurora, Ill., assignor to Independent Pneumatic Tool Co., Chicago, Ill., a corporation of Delaware
Application May 18, 1936, Serial No. 80,311
13 Claims. (Cl. 171—252)

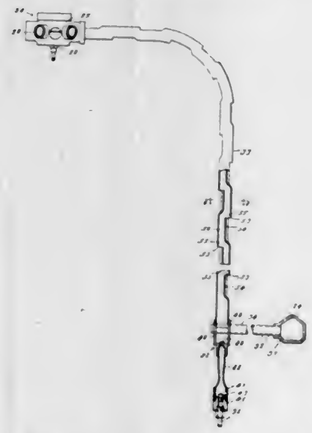
1. In a portable electric tool of the character described, a motor case, an electric motor in said case, a spindle at the forward end of the case and driven by said motor, a brush assembly and a supply cable for the motor at the rear end of said case, and a handle member releasably secured to the rear end of the motor case over the brush assembly and the supply cable and providing a closure therefor, said handle member having a pistol grip portion extending below

the motor case, said brush assembly and the supply cable being supported wholly by the motor case, whereby the handle member including the



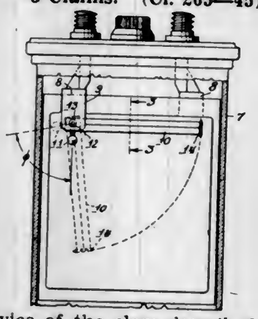
whole of its pistol grip portion may be removed from the motor case without disturbing the brush assembly or the supply cable.

2,072,552
IGNITION DEVICE
Frank A. Gauger, Milwaukee, Wis., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States
Application May 2, 1932, Serial No. 608,713
4 Claims. (Cl. 158—115)



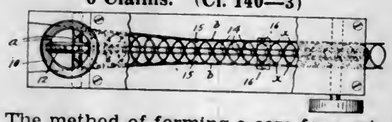
2. In combination, a first burner at higher elevation, a second burner at lower elevation to be ignited thereby, and a flash-back tube disposed with its lower end over the second burner and its upper end adjacent the first burner, said tube having air injectors thereon at points spaced lengthwise thereof for injection of secondary air into said tube with gas or products of combustion flowing upwardly through the tube, said injectors forming restrictions in the tube whereby to afford a restricted passage through the tube for conducting products of combustion from the second burner, said tube being arranged to be charged with a combustible gas.

2,072,553
SPECIFIC GRAVITY INDICATOR
Clarence J. Graves, John L. Rupp, and Edgar W. Breisch, Lancaster, N. Y., assignors to Gould Storage Battery Corporation, St. Paul, Minn., a corporation of Delaware
Application July 9, 1934, Serial No. 734,422
3 Claims. (Cl. 265—45)



1. A device of the class described comprising, a float arm pivotally mounted on a horizontal axis in a liquid subject to specific gravity changes and in the presence of gas bubbles, said arm being constructed entirely from a material having a lower specific gravity than the maximum specific gravity of said liquid, said arm being wide vertically and relatively thin horizontally and formed with an acutely angular upper edge and being movable edgewise in the liquid from a substantially horizontal position corresponding to the maximum specific gravity value of said electrolyte to a substantially vertical, dependent position, corresponding to the discharged density of said electrolyte, and means for balancing said arm in a number of angular positions corresponding to a number of specific gravity values, said arm being responsive to smaller changes in density when the battery approaches maximum charge than when nearly discharged.

2,072,554
METHOD OF MAKING WINDOW GUIDE CORES
Daniel A. Greene, Flint, Mich.
Original application May 29, 1935, Serial No. 24,013, now Patent No. 2,026,973, dated January 7, 1936. Divided and this application January 3, 1936, Serial No. 57,338
6 Claims. (Cl. 140—3)

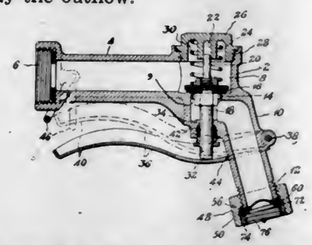


1. The method of forming a core for a window glass guide which consists in providing a continuous series of coils of wire of indefinite length, arranging the coils thereof successively, so that they lie in approximately the same plane, connecting portions of said coils so that the coils are thus held in fixed relation, and then bending the connected coils transversely into channel form.

2,072,555
FAUCET
Leo J. Hengesbach, Cleveland Heights, and William P. Fox, Shaker Heights, Ohio, assignors to Frederick H. Zulauf, East Cleveland, Ohio
Application June 24, 1935, Serial No. 28,190
13 Claims. (Cl. 122—144)

1. In combination, a faucet having a manually operable valve and a nozzle fitting reversibly

attached to the outlet of the valve, said valve including relatively movable flow-control elements forming two flow passages in series relation, one of said passages being adapted to be closed and opened relatively quickly by said movable elements, the other passage permitting only slight flow when opening of the valve is begun and increasing in size more gradually than the first-mentioned passage during further opening of the valve, and said nozzle fitting being adapted, by reversing it relative to said outlet, to concentrate or spray the outflow.



12. A method of changing the character of a stream discharged from a conduit outlet having a dished perforated nozzle plate in axial alinement with said outlet, which method comprises reversing the position of the dished surfaces of said plate relative to said outlet.

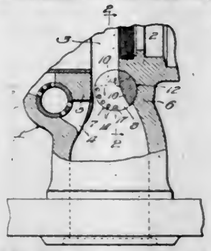
2,072,556

MEANS FOR PRODUCING A VARIABLE ORIFICE

De Los E. Hibner, Jr., Du Bois, Pa., assignor to Vulcan Soot Blower Corporation, a corporation of Pennsylvania

Application May 16, 1935, Serial No. 21,758

4 Claims. (Cl. 138—46)



1. In combination, a conduit having aligned cylindrical openings in opposite sides thereof, an orifice-controlling member extending across the interior of the conduit and comprising cylindrical end portions fitted in said openings and an element in the form of a blade or vane connecting said end portions together, and means to lock the said member in any one of a considerable number of positions angularly of its axis, the blade or vane being of such width that it at no time completely closes off the conduit.

2,072,557

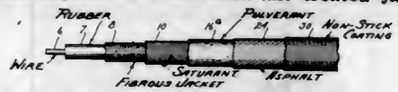
FLAME RESISTING CONDUCTOR

Anthony P. Hinsky, Brooklyn, N. Y., assignor to Pyro Products Corporation, Brooklyn, N. Y., a corporation of New York

Application June 30, 1933, Serial No. 678,396

12 Claims. (Cl. 173—264)

1. In the art of electrical insulation, an insulated electric conductor including a fibrous jacket, said jacket being treated with a flame resistant saturant, and a coating of blown asphalt applied over the saturant treated jacket



to form a dense coating protecting the jacket and the saturant applied thereto.

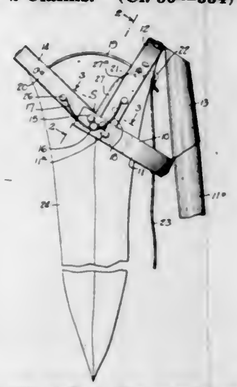
2,072,558

FRUIT PICKER

Milo Hunt, Whittier, Calif.

Application February 3, 1936, Serial No. 62,158

2 Claims. (Cl. 56—334)



1. In a fruit picker, the combination with a fruit receiving sack having an open upper end provided with bowed frame members, pivotally connected together to move relative to each other, and means normally influencing the members to hold them in positions for entry therebetween of the fruit, of stem-severing means comprising a bowed knife secured to one of said members and having an effective cutting edge disposed relative to the inner surface of the other member to come in shearing contact with said surface to sever the stem of the fruit and enable the later to fall into the sack during movement of said members toward each other.

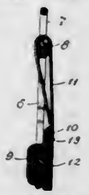
2,072,559

GARMENT SUPPORTER

Joseph Jacobs, Bridgeport, Conn., assignor to The A. J. Donahue Corporation, Milford, Conn., a corporation of Connecticut

Application March 21, 1936, Serial No. 70,077

5 Claims. (Cl. 24—245)



2. In a supporter of the button and loop type, a loop member, a supporting strip, having a lower layer and upper layer, looped intermediate its ends about a part of said member, the free extremity of said upper layer being lapped flatwise against the upper surface of said lower member, and said lower member extending flatwise to its extremity, a rubber button vulcanized to said upper and lower layers, the base of said button extending from said extremity of said lower layer to a line between said extremity of the upper layer and said loop member, the base of said button conforming to the stepped section between said upper and lower layers.

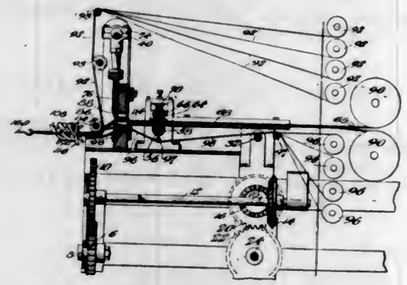
2,072,560

METHOD OF MAKING TINSEL GARLANDS

Philip Kranz and Albert P. Schmid, Philadelphia, Pa., assignors to Bernard Wilmsen, Philadelphia, Pa.

Application December 10, 1936, Serial No. 115,172

4 Claims. (Cl. 41—10)



1. The method of making a tinsel or garland which consists in intermittently feeding a sheet material under a cutter, shredding the longitudinal marginal portions only of said sheet material whereby a central longitudinal portion thereof is left uncut, feeding binding cords above and below said sheet material, and twisting said binding cords together to confine said central uncut portion therebetween.

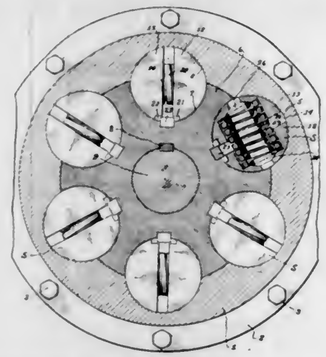
2,072,561

COUPLING

Austin Kuhns and Carl F. Lautz, Buffalo, N. Y.; said Kuhns assignor to Farrel-Birmingham Co. Inc., Buffalo, N. Y., a corporation of New York, and said Lautz assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York

Application December 31, 1934, Serial No. 759,917

3 Claims. (Cl. 64—27)



1. In a coupling of the class described, the combination of rotary concentric driving and driven elements arranged one within the other, one of said elements having semi-cylindrical pockets therein and the other element having opposed cylindrical pockets, said opposed pockets normally aligning to define cylindrical chambers whose axes parallel the axis of said elements, opposed substantially semi-cylindrical abutment blocks in each cylindrical chamber with their inner faces extending substantially radially relative to the axis of said elements, the blocks in each chamber having opposed pockets, spring clusters mounted in the opposed pockets of each set of blocks with the axis of each spring cluster at right angles to the radial plane of the axis of said elements, the blocks in each chamber being normally separated at their inner faces whereby said spring clusters will be compressed during relative rotational transmitting movement between the driving elements and the driven elements, and abutments on one of said elements for limiting rotational displacement of said blocks thereby to hold the spring clusters in normal axial alignment.

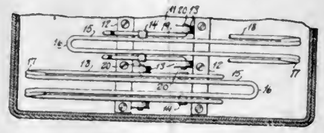
2,072,562

SPRING CUSHION

John R. Lee, Wallingford, Conn., assignor to Cantilever Seat Company, Incorporated, Wallingford, Conn., a corporation

Application January 20, 1934, Serial No. 707,576

3 Claims. (Cl. 155—179)



3. In a spring cushion, the combination with a supporting frame, of a plurality of wire springs each comprising a flat horizontal U-shaped upper reach, intermediate reaches and lower reaches, an intermediate reach and a lower reach being formed as a continuation of each arm of the U-shaped upper reach, said intermediate reach extending downwardly from and in a direction opposite to that of the associated upper reach and said lower reach extending horizontally and in a direction opposite to that of the intermediate reach, said lower reaches being secured to the said supporting frame, those portions of the wires which connect an upper reach with an intermediate reach being formed into coils, the said springs being so positioned that the upper reaches lie alongside each other, the upper reaches of alternate springs extending in opposite directions.

2,072,563

AUTOMATIC MULTIPLE BROACHING MACHINE

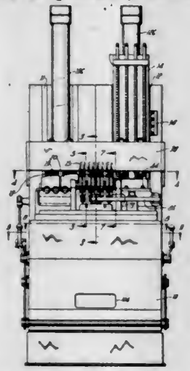
John E. Lynch, Howard L. Pope, and Amos H. Hawley, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application November 15, 1935, Serial No. 49,986

17 Claims. (Cl. 90—33)

1. In a broaching machine having a support, a work holder reciprocably mounted on said support, means to secure a plurality of work pieces in said work holder, a broaching ram having a plurality of broaches thereon, equal in number to the number of said work pieces, means to reciprocate said work holder between a working position and a loading position, and work feed-

ing means at said loading position to simultaneously insert a plurality of unfinished work



pieces in said work holder and remove the finished work pieces.

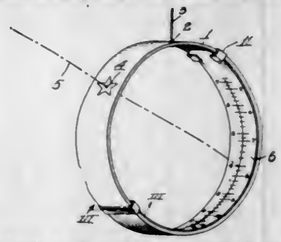
2,072,564
HOT WATER BOTTLE COVER
Walter H. May, Pelham Manor, N. Y.
Application October 24, 1934, Serial No. 749,725
1 Claim. (Cl. 128—258)



A cover forming a casing for a hot water bottle or equivalent comprising a body portion and extending therefrom a restricted neck portion, said restricted neck portion having a substantially smooth outer face, the said portions conforming generally to the contour of the body and neck portions of the hot water bottle, the neck portion of the casing having an outwardly flared open mouth providing access to the bottle neck and closure plug thereof for the purpose of adding to or releasing water from the bottle while the latter is maintained within the casing, and the body portion of the casing being provided with an opening at its bottom providing for the insertion and withdrawal of the hot water bottle, said neck and flared mouth portions of the casing being operative to position the bottle within the cover upon such insertion, and means for closing and opening the bottom opening.

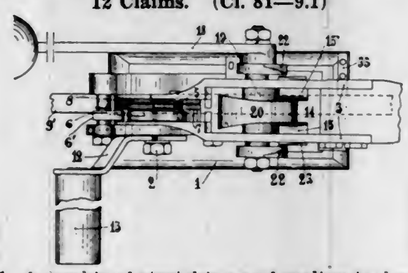
2,072,565
SUNDIAL
Frederick W. Moehle, Attleboro, Mass., assignor to The Robbins Co., Attleboro, Mass., a corporation of Massachusetts
Application August 17, 1935, Serial No. 36,627
1 Claim. (Cl. 33—62)

A pocket sun dial comprising a flat annular band having means whereby it is adapted to be suspended in a vertical plane with the plane thereof coincidental with the direction of the sun from the observer, said band having means defining a pinhole aperture therethrough at a fixed point for the projection of sunlight therethrough to an opposed inner face of the band, a graduated strip movably seated on said opposed inner face, means to removably secure said strip to said band, said means comprising clips slidable on the outer face



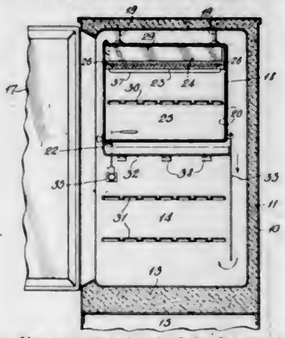
of said band and having inturned end portions to overlie marginal portions of said strip for guided movement of said strip.

2,072,566
COMBINED STRETCHING AND SEALING TOOL
Armand Perrelet, Paris, France, assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Illinois
Application March 13, 1934, Serial No. 715,380
In France March 14, 1933
12 Claims. (Cl. 81—9.1)



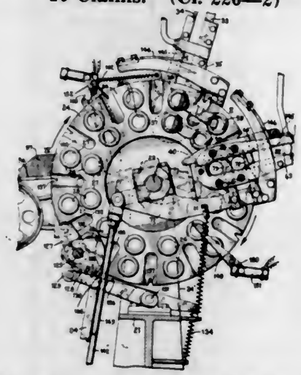
1. A combined stretching and sealing tool comprising a base, a milled wheel mounted thereon for tensioning the binder, sealing mechanism, a lever comprising two parts pivotally connected together, means securing said parts together so that they may act as a unit for tensioning, means for locking one part to the base, and mechanism operable by relative movement between said parts for effecting the sealing.

2,072,567
REFRIGERATOR
Thomas I. Potter, Buffalo, N. Y.
Application February 14, 1934, Serial No. 711,156
17 Claims. (Cl. 62—116)



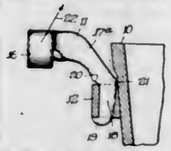
17. A cooling unit adapted to be installed in a thermally insulated main food chamber of a refrigerator to cool the same, said unit comprising a casing forming a secondary food chamber, and a chilling element in the casing adapted to cool both of the chambers, the walls of the casing being solid and so thermally proportioned as to cool the main food chamber to a refrigerating temperature without the formation of frost on the exterior surface of the walls while the secondary chamber is maintained at a sharp freezing temperature.

2,072,568
DRY CELL ENCASING APPARATUS
Otto Karl Reinhardt, Jamaica, N. Y., assignor to Bond Electric Corporation, Jersey City, N. J., a corporation of Delaware
Application July 21, 1933, Serial No. 681,551
10 Claims. (Cl. 226—2)



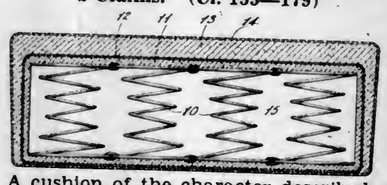
1. In a machine for encasing electrolytic cells, in combination, conveying means, means to move said conveying means in a step-by-step movement between a plurality of stations, means to deliver at least one tube to the conveying means at one station, means to flare an end of a tube at another station, means to deliver at least one cell into a tube carried by said conveying means at another station and means to eject the encased cells from the conveying means at another station.

2,072,569
DETACHABLE HANDLE
Nels Shoan, Chicago, Ill., assignor to Advance Aluminum Castings Corp., Chicago, Ill., a corporation of Illinois
Application December 24, 1935, Serial No. 55,999
9 Claims. (Cl. 53—8)



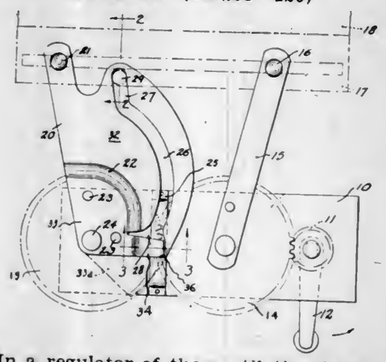
1. In combination, a vessel having a loop disposed exteriorly thereof, and a handle having a portion adapted to be inserted within said loop, said portion having shoulders spaced apart a distance substantially equal to the corresponding dimension of said loop, said portion between said shoulders having a maximum overall dimension transversely of said kettle approximately equal to the corresponding dimension of the space within said loop and being freely insertable into said loop but being swingable within said loop about a fulcrum disposed adjacent to the upper region of said portion.

2,072,570
AIR-BOUND SPRING CUSHION
Rudolph O. Smith, Bridgeport, Conn., assignor to The Owen Silent Spring Company, Inc., Bridgeport, Conn., a corporation of Connecticut
Application October 31, 1934, Serial No. 750,796
2 Claims. (Cl. 155—179)



1. A cushion of the character described, comprising a minutely porous rubberized envelope offering high resistance to the passage of air therethrough, the pores of the envelope constituting the sole passage for air into and out of the envelope, spring means tending to distend the envelope, a cover surrounding the envelope, said cover being made of material freely pervious to air, and a thick layer of porous padding between the envelope and the cover.

2,072,571
WINDOW REGULATOR
Albert W. Susor, Toledo, Ohio
Application June 20, 1936, Serial No. 86,267
4 Claims. (Cl. 268—126)

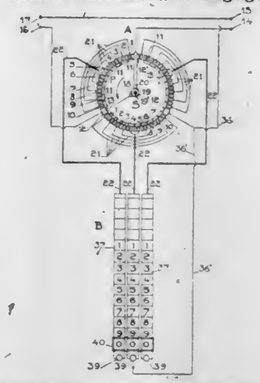


1. In a regulator of the ventilating type comprising two arms, each mounted to rotate and each having a free end slidably interlocked to an edge of a window whereby rotation of the arms in opposite directions will raise or lower the window, one of the arms having, in an offset portion, a slot arranged to receive a pin secured to the window, the slot being so shaped that rotation of the arm from one terminal position will cause the slot edges to move the pin horizontally, then move the pin in a reverse horizontal direction, and then permit the pin to leave the slot, a bridge or strip at the end of the slot connecting the edges of the slot and offset so as to pass by a part in the plane of one portion of the arm and at the same time to permit the aforementioned pin secured to the window to pass out of the end of the slot.

2,072,572
IMPULSE TRANSMITTING DEVICE
Joseph Léon Auguste Vanheerswynghels, Brussels, Belgium
Application May 9, 1933, Serial No. 670,137
In Belgium May 12, 1932
7 Claims. (Cl. 179—90)

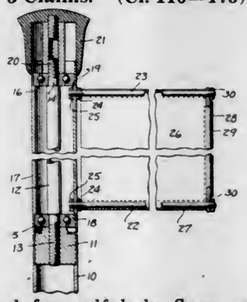
1. An impulse device for an automatic telephone system comprising means for causing a series of

electrical impulses including a plurality of fixed contacts including two groups, each group including alternate contacts of a series of contacts, a movable contact mounted to engage the several



fixed contacts successively, and control means for modifying the number of impulses caused by the movement of the movable contacts over the fixed contacts including means for varying the electrical interconnection of the fixed contacts.

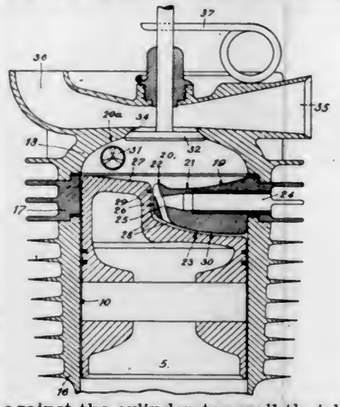
2,072,573
GOLF FLAG
Vincent Vigliotti, Great Neck, N. Y.
Application March 23, 1935, Serial No. 12,547
3 Claims. (Cl. 116—173)



1. A signal for golf hole flags, comprising a vertical member, two spaced horizontal arms in the same plane, a flag body having hemmed upper and lower edges to receive the arms, and a vertical hem at the outer edge, and a cross member carried in the hem and secured to the outer ends of the arms to keep them in position and prevent fluttering of the flag body.

2,072,574
INTERNAL COMBUSTION ENGINE
Stefan Witkowski, Geneva, Switzerland
Application May 25, 1934, Serial No. 727,402
In France June 9, 1933
3 Claims. (Cl. 123—32)

1. In an injection-type internal combustion engine including a piston in which liquid fuel is introduced through an uncooled wall separating a cylindrical working chamber from a circular-section ignition chamber and is sent up to a port lying eccentrically of the ignition chamber, said chamber having approximately the diameter of the working chamber and having its axis lying approximately coaxial with the working chamber axis; a constricted passageway in the uncooled separating wall, said passageway extending transversely to the fuel jet and running in a direction substantially parallel to the vertical axis of the working chamber, means for intermittently directing through the pasageway compressed air and means including a flaring-formation at the upper end of said passageway and a sufficient inclination of said passageway from parallelism with the vertical axis of the cylinder, for aiming the



fuel-jet against the cylinder-top wall that lies, in the prolongation of the axis of said passageway, above and adjacent to the impact-point of the fuel initially entering into the passageway, said passageway having the wall on one side shorter than on the other, whereby to deflect, as it enters the ignition chamber, one side of the fuel jet downwardly and backwardly with respect to the main body portion of the jet.

2,072,575
NICKEL BASE ALLOY
John T. Acker, Queens Village, N. Y., and James R. Wilson, Mountain Lakes, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application June 13, 1934, Serial No. 730,462
8 Claims. (Cl. 75—170)

2. A nickel base alloy consisting of nickel from 70 to 90 per cent, iron from .1 to 10 per cent, cobalt from .1 to 15 per cent and carbon from 0.1 to 1.5 per cent.

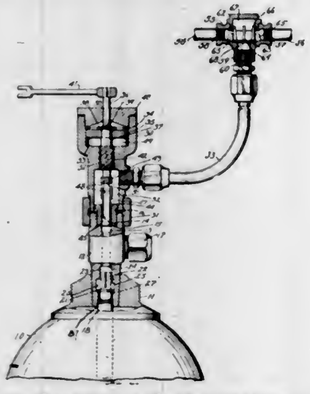
2,072,576
NICKEL BASE ALLOY
John T. Acker, Queens Village, N. Y., and James R. Wilson, Mountain Lakes, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application June 25, 1936, Serial No. 87,220
4 Claims. (Cl. 75—170)

1. A nickel base alloy consisting of nickel from 70 to 90 per cent, carbon .1 to 1.5 per cent, and the balance cobalt.

2,072,577
MEANS FOR DISCHARGING FLUID PRESSURE CONTAINERS
Scott E. Allen, Los Angeles, Calif., assignor, by mesne assignments, to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Application January 10, 1933, Serial No. 650,957
33 Claims. (Cl. 169—11)

2. A device for opening a fluid container comprising an opening member, means actuable by fluid pressure upon a surface thereof for operating the opening member, conduit means for supplying actuating fluid from an outside source to said surface, said fluid actuable means being normally in a position interrupting flow from the conduit means to said surface but movable to a position to permit such flow to said surface so as to operate the fluid actuable means, and a controller for moving said means to the latter position.

14. In combination, a plurality of fluid containers, a discharge line, connecting means for detachably connecting each container to said line, fluid actuable discharge means for controlling the discharge of each container into said line, means operable at will to admit fluid from the line to actuate each discharge means, and a check valve for each connecting means opening toward the line and constructed when in closed position to provide limited outflow from the line.

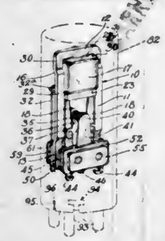


16. In combination, a fluid container, means for controlling discharge of fluid therefrom, said container having a zone of weakness spaced inwardly from said means, and safety means for preventing uncontrolled discharge of fluid from the container should the latter be severed at said zone of weakness, said safety means being inoperative to prevent discharge from the container when the latter is intact.

20. A discharge head for a container holding fluid under pressure and closed by a sealing disk, said head comprising a body adapted to be connected to the container, a puncturing member constructed and arranged to be operated by longitudinal movement without rotation, an actuator for advancing the member to puncture the disk, a threaded connection between the body and the actuator whereby the latter may be advanced by rotation with respect to the body, and a swivel connection between the actuator and the member whereby said member may be operatively advanced without rotation.

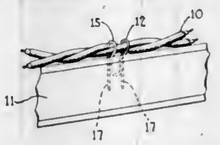
2,072,578
VIBRATORY MOTOR DEVICE
Edward L. Barrett, La Grange, Ill., and Max J. Manahan, Mount Vernon, N. Y., assignors to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois
Application December 5, 1935, Serial No. 52,987
24 Claims. (Cl. 200—90)

1. In a vibratory motor, the combination of a flat frame fashioned as a stamping from a piece of sheet metal into open rectangular form having end and side members located substantially in the same plane, a core piece integral with and extending from one of said end members inwardly of said frame and in the plane thereof, an electromagnetic winding secured about said core piece, a vibratory reed secured in direct electrical contact to the end member opposite the core piece and extending toward and nearly to said core piece with the plane of said reed extending along the plane of said frame so that the free end of the reed is positioned at one side of the end of said core piece, an armature on the face of said



free end opposite to said core piece, contact supporting members secured to the reed supporting end of said frame on opposite sides of said reed, means for spacing said supporting members equidistantly from said reed, and cooperating contacts carried by said reed and supporting members for engagement effected by reed vibration, the side members of said frame being offset from the plane of said frame to render the gaps between the contact points readily visible to an assembler from the side of the frame.

2,072,579
CORD WIRE ANCHOR
Arthur C. Brown, Brooklyn, N. Y.
Application April 22, 1936, Serial No. 75,680
2 Claims. (Cl. 24—131)



1. A clip for attaching a cord-like member to a trim comprising a U-shaped wire loop having an intermediate arcuate portion for embracing the cord-like member, the end portions of said wire loop constituting two prongs extending from one end of said arcuate portion, and the center portion of said wire loop constituting a tongue extending from the other end of said arcuate portion, said prongs constituting with said tongue a projection offset against said arcuate portion for anchoring said clip adjacent to said trim.

2,072,580
DRINKING TUBE
Henry N. Correll, Spartanburg, S. C., assignor to Oscar B. Wilson, Spartanburg, S. C.
Application October 19, 1933, Serial No. 694,234
2 Claims. (Cl. 138—78)



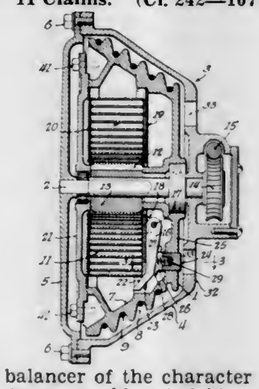
1. A moulded drinking tube comprising a nitrocellulose, a filler such as a ground wood, and castor oil, and including sufficient gas cells to render the tube buoyant when immersed in a liquid.

2,072,581
CUTLERY
John B. Curtis, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application November 14, 1934, Serial No. 753,013
4 Claims. (Cl. 30—9)



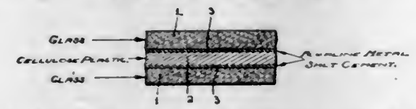
1. A cutlery article comprising a metallic blade, a tang extending from said blade, a plastic handle comprising a recess adapted to receive said tang, and a thermo-plastic cement securing said tang in said recess.

2,072,582
SPRING BALANCER
Cecil N. Douglass, Aurora, Ill., assignor to Independent Pneumatic Tool Co., Chicago, Ill., a corporation of Delaware
Application January 23, 1936, Serial No. 60,381
11 Claims. (Cl. 242—107)



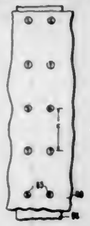
1. In a balancer of the character described, a rotatable drum, a cable windable on the drum, a spiral spring for turning the drum in a direction to wind the cable thereon, a housing for the drum, a plunger and a pivotally mounted lever carried by the drum at one side of said spring, said lever cooperating with the plunger and having an inclined portion to be struck by the drum spring on breaking or releasing to project the plunger into locking engagement with the housing to hold the drum against rotation, and yieldable means for normally holding the plunger out of engagement with the housing and the lever in operative relation to the drum spring.

2,072,583
LAMINATED GLASS
Earl L. Fix, New Kensington, and Brook J. Dennison, Tarentum, Pa., assignors to Duplate Corporation, a corporation of Delaware
Application February 17, 1934, Serial No. 711,698
3 Claims. (Cl. 49—92)



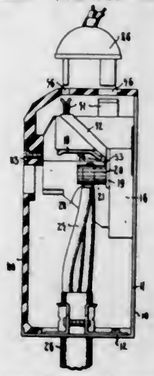
1. A laminated plate comprising a pair of glass sheets cemented to the opposite sides of a sheet of cellulose plastic with a cement comprising a solution including water, cellulose derivative similar in composition to the plastic sheet, a solvent for the cellulose derivative, and one of the alkaline metal salts following: X-stannate, X-citrate, X-phosphate, X-arsenate, X-oxalate, X-bromide, X-molybdate, X-silicate, X-tungstate, X-aluminate, X-chromate, X-antimonate, X-permanganate, and X-vanadate, wherein X represents one of the alkaline metals.

2,072,584
DISTRIBUTION PANEL BOARD
William H. Frank, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Original application August 24, 1933, Serial No. 686,487. Divided and this application February 2, 1935, Serial No. 4,621
9 Claims. (Cl. 40—65)



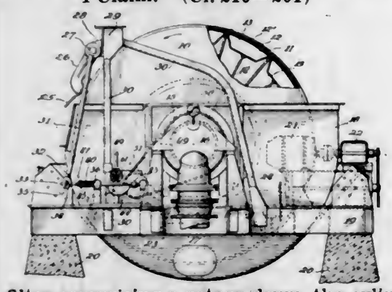
1. In combination, panel portions built up of devices having uniform lengths equal to integral multiples of a factor "X", masking plate portions thereover and each having a row of windows uniformly spaced on "X" distances, and strip portions in back of the plate portions and having major and minor reference markings for referring to the devices positioned adjacent the windows through which the markings may be exposed, the strip portion markings being uniformly spaced at distances equal to "X^2"/AX where "AX" is equal to the length of the longest device intended to be used with the panel portions, the strip portions, when in different factorially spaced positions with respect to the plate portions, showing different arrangements of the markings at the windows.

2,072,585
RANGE RECEPTACLE
Harrison J. L. Frank, Detroit, Mich.
Application June 17, 1935, Serial No. 27,019
1 Claim. (Cl. 247—15)



A receptacle comprising a box formed of an L-shaped member having a base and a back, and a scoop-shaped cover having a front, a top, and sides, and open at the back and base, these open areas being closed by the member, the member having on its back a contact and connection body at a substantial distance above the member base to leave the lower part of the box clear so as to facilitate insertion of a conductor terminal into the box through a lower part of the member, plug prong receiving contacts on the body opening towards the front of the box, a unit so constructed as to be associatable with or removable from the body as a unit and comprising a mounting plate for the unit dimensioned complementary to the top of the body to fit and seat on the top thereof properly, the plate being seated on the top of the body, plug prong receiving contacts on and secured to the plate and projecting therefrom towards and opening towards the top of the box, plug prong entrance holes in the front of the cover, and plug prong entrance holes in the top of the cover, these holes being aligned with the corresponding contacts of the body, and conductor terminal binding means on the body for receiving upwardly projecting terminals of conductors inserted into the box through the lower part of the same, the plate contacts having portions secured and connected to the connecting means of the body contacts for securing the unit on the body and for electrically connecting the unit contacts to the body contacts.

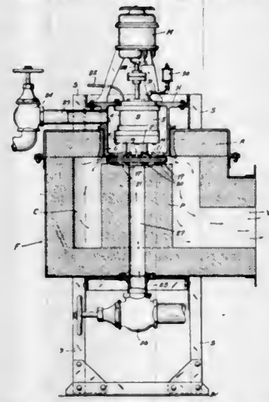
2,072,586
ROTARY FILTER
Howard D. Grant, Grand Rapids, Mich., assignor to Swenson Evaporator Company, Harvey, Ill., a corporation of Illinois
Application September 24, 1934, Serial No. 745,190
1 Claim. (Cl. 210—201)



A filter comprising a rotary drum, the cylindrical periphery of which is the filtering surface, a knife extending across said surface, means providing a suspended pivotal mounting for said knife, a long lever for actuating said knife to cause it gradually and continuously to approach the filtering surface, a slidable bar engaging said lever, resilient means on said bar tending to move the knife away from the filtering surface, a cam having a steep fall for moving the knife gradually and continuously towards the filtering surface and permitting the spring to retract it rapidly, and a drive including a speed reduction unit for driving said cam from the drum.

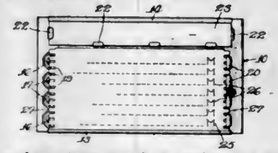
2,072,587
BURNER
John E. Greenawalt, New York, N. Y.
Application August 19, 1933, Serial No. 685,820
3 Claims. (Cl. 158—77)

1. In a burner for fluent fuel, a fuel distributing device comprising a tube having its upper end open to provide an air intake, fuel feeding means for discharging fuel into the tube, a fuel distributing head at the lower end of the tube, said distributing head having a hollow annular flange having within it spaced radial fan blades extending a substantial distance inwardly from the periphery of the flange, the spaces between blades constituting fuel ports communicating with the tube and leading to the peripheral surface of the



flange, said ports being tapered to provide constricted outlets for causing the fuel to be ejected from the flange with high velocity, means for rotating said tube and head to effect distribution of the fuel by centrifugal action, and means on said distributing head for impelling the fuel and air mixture outwardly from the distributing head.

2,072,588
PRINTING PLATE HOLDER FOR ADDRESSING MACHINES
Frank J. Kubalanza, Chicago, Ill., assignor to Joseph K. Cislak, Chicago, Ill.
Application February 15, 1935, Serial No. 6,619
5 Claims. (Cl. 101—369)



1. The combination with a printing plate having a plurality of spaced apart tongues formed on the outer ends thereof, of a plate holder therefor comprising a frame, a plurality of equally spaced apart pockets formed adjacent one edge of said frame, said pockets having a slit in one side only so as to permit removal of the tongues therefrom in one direction only, a plurality of equally spaced apart tongues formed adjacent the other end of said frame, and locks carried on the free ends of said tongues for selectively and detachably securing the tongues of said plate.

2,072,589
CATHARTIC
Charles L. Lentz, Kansas City, Mo.
No Drawing. Application November 14, 1935, Serial No. 49,712
1 Claim. (Cl. 167—56)

A jelly-like, self sustaining composition of matter for use as a laxative and containing mineral oil, calomel and phenolphthalein, produced by dissolving 96 parts of sugar and 16 parts of corn syrup in 22 parts of water; adding 200 parts of mineral oil to the sugar solution while heating

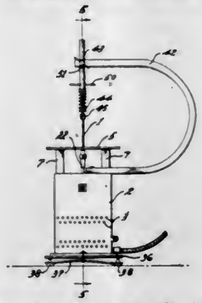
the same to a temperature of 262 degrees Fahrenheit; adding, with first low speed agitation then relatively high speed agitation, the calomel and phenolphthalein with 14 parts of glycerine, 5½ parts of gelatin and 24 parts of water, said heating and agitation being continued until the mineral oil, phenolphthalein and calomel is evenly distributed throughout the mass; and then allowing the mass to cool and set to present a resilient, self sustaining body having the characteristic of breaking down at normal body temperature without addition of water to free the mineral oil, calomel and phenolphthalein.

2,072,590

JIGSAW

Julius C. Lowry and Ora M. Rybolt, Detroit, Mich., assignors to Magnetic Tool Company, Inc., Detroit, Mich., a corporation of Michigan

Application November 1, 1933, Serial No. 696,906
2 Claims. (Cl. 143—70)



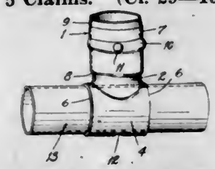
1. A jig saw comprising an electro-magnet provided with a core having a recess, a plate forming an armature for the electro-magnet, a rod extending through the plate, a nut on the rod on each side of the plate and engaging the plate therebetween, each nut being provided with a threaded exterior, a spring positioned in the recess in the electro-magnet core and threaded onto one nut, a second spring threaded onto the other nut and extending about the rod, a stationary guide member through which the rod is movable and forming a seat for the spring and a saw blade attached to said rod.

2,072,591

MANUFACTURE OF FITTINGS

David E. Lindquist, Port Huron, Mich., assignor to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan

Original application December 26, 1934, Serial No. 759,217. Patent No. 2,039,542 dated May 5, 1936. Divided and this application July 31, 1935, Serial No. 33,931
5 Claims. (Cl. 29—157)



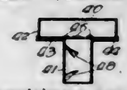
1. The method of manufacturing fittings which comprises providing a substantially cylindrical blank, forming from said blank a cylindrical portion at an angle to the axis of said blank, fitting a tube through said cylindrical portion, and expanding the opposite ends of said tube whereby to lock it against longitudinal movement in said cylindrical portion.

2,072,592

STOPPER FOR BOTTLES AND THE LIKE

Joseph W. Fay, Villa Park, Ill., assignor of one-half to Ersyl F. Chambless, Chicago, Ill.

Application January 7, 1935, Serial No. 618
7 Claims. (Cl. 215—48)



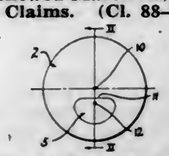
5. A stopper comprising a cap having a knurled peripheral flange, a disc secured to the lower edge of said flange, a tubular anchoring quill secured to the central part of said disc, and prongs with pointed ends struck out from the wall of said quill and disposed with their pointed ends in an oblique upward direction.

2,072,593

OPHTHALMIC LENS

Harry W. Hill, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application November 24, 1930, Serial No. 497,862
Renewed March 25, 1936
7 Claims. (Cl. 88—54)



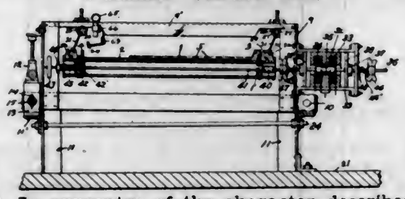
1. The process of forming a lens blank for a fused bifocal or multifocal lens comprising forming a major blank with a countersink therein, forming a button insert by placing a gob of plastic glass in a mould having a depression in one surface thereof of substantially the size and shape of the reading segment of the lens, pressing a die of substantially the same size and shape as the depression into the gob of glass opposite the depression to displace a portion of said glass laterally to form a depression of substantially the size and shape of the reading segment in one side of the glass and a projection of substantially the same size on the other side of the glass, shaping a piece of glass of a different refractive index to fit in the depression in the first piece of glass, securing said shaped piece of glass in the depression, forming a continuous optical surface of substantially the same curvature as the countersink in the major blank over the depression side of said first piece of glass and the exposed side of said second piece of glass, placing the composite button insert in the countersink in the major blank, and fusing it therein.

2.072.594

ORE CONCENTRATING TABLE

Charles F. Hutchings, San Francisco, Calif.

Application November 7, 1934, Serial No. 751,839
5 Claims. (Cl. 209—441)



1. In apparatus of the character described, a substantially horizontally disposed concentrating table, a frame, a plurality of rigid table supporting links pivotally connected at opposite ends to the table and frame respectively, said links being similarly inclined at an angle relative to a vertical plane extending longitudinally of the table, a solenoid having a slidable core connected to said table for vibrating the same laterally, a pair of adjacent field coils surrounding the core, means for automatically energizing said coils alternately in rapid succession whereby the table is vibrated laterally, means for varying the length of movement of the core in either direction.

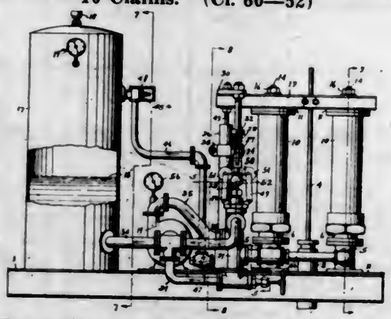
5. In apparatus of the character described, an imperforate, elongated, concentrating table having a head end for receiving value bearing material and a tail end for discharge of tailings thereover, an upstanding ledge along one side of the table extending between the head and tail end thereof, a plurality of riffle bars on the table extending diagonally thereacross from the ledge in a direction toward the tail end, means for feeding water onto the table along the head end and side opposite the ledge, a stationary supporting frame, said table being disposed generally horizontally but elevated at the head end and side opposite the ledge relative to the tail end and side of the ledge respectively whereby water flowing over the table will be relatively deep along the ledge and of progressively less depth from the ledge toward the side opposite the ledge and whereby the riffles will coact with the ledge to cause pools of substantially non-flowing water along the riffles, supporting means connecting the table to said frame mounting said table for oscillating generally vertically and horizontally in a vertical plane at substantially right angles to the table and in an arcuate path of travel confined to one side only of a vertical line extending through the axis of the arc and from a lowermost position spaced from said line, lifting means arranged and adapted to intermittently move said table upwardly in said arcuate path of travel and to release said table at the upper end of the path for falling solely by gravity to the lowermost position free of the influence of said lifting means.

2,072,595

WELL PUMPING APPARATUS

Loyd E. Hutchison, Houston, Tex.

Application October 15, 1934, Serial No. 748,359
10 Claims. (Cl. 60—52)



1. In combination a storage tank for containing an operating liquid and a pressure fluid, a reciprocable member adapted to be connected to the sucker rod of a pump in a well, means for taking the operating liquid from the tank and alternately applying the liquid to, and relieving the same from, the reciprocable member whereby said sucker rod may be alternately elevated and permitted to descend by gravity, means for applying the pressure fluid from the tank to constantly tend to balance the load on the sucker rod and means operable by a reciprocable part of the apparatus for increasing the pressure of said fluid in the tank.

2,072,596

RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER

Webster N. Jones, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application January 22, 1931, Serial No. 510,514
6 Claims. (Cl. 18—50)

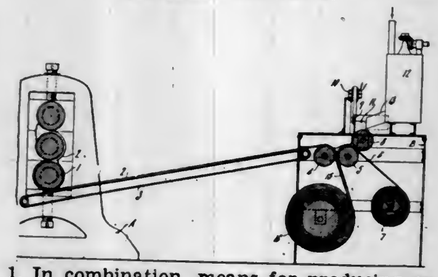
1. A rubber composition containing a tetra alkyl substituted benzidine.

2,072,597

PASTE APPLYING APPARATUS

Alexis W. Keen, Passaic, and Henry T. Trautvetter, Clifton, N. J., assignors to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

Application May 8, 1936, Serial No. 78,666
10 Claims. (Cl. 18—2)



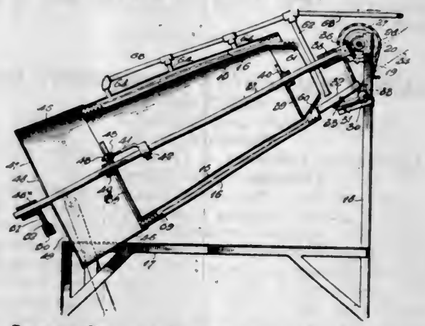
1. In combination, means for producing on a plastic body predetermined relatively raised and depressed surface areas, and mechanical means for supplying and applying a temporary paste filling to the cavities formed by the depressed areas whereby to preserve the original surface contours prior to and during a subsequent setting of the plastic.

2,072,598

BEET PEELER

George B. Kile, Portland, Oreg., assignor to Libby, McNeill & Libby, Chicago, Ill., a corporation of Maine

Application February 24, 1936, Serial No. 65,503
7 Claims. (Cl. 146—49)



1. In a peeling machine, a pair of inclined, similarly tapering cylinders, one within the other,

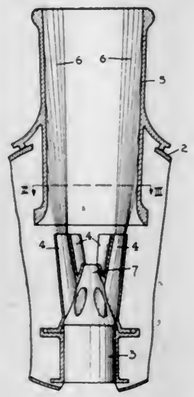
having flexible abrasive members covering the adjacent surfaces thereof, an axial shaft extending through said cylinders and on which the inner cylinder is mounted, means at the upper end of said shaft for swingingly supporting and rotating the same, means for adjusting the inner cylinder lengthwise of said shaft to vary the effective spacing of said abrasive surfaces, a frame stationarily supporting the outer cylinder and having a bearing for the lower end of said shaft to hold the cylinders in coaxial relation, and means for vertically adjusting the lower portion of said frame to vary the inclination of said cylinders.

2,072,599

DEVICE FOR COVERING THE STEAM EXHAUST PIPE OF LOCOMOTIVES

Maurice Lemaître, Marcinelle, Belgium

Application February 17, 1936, Serial No. 64,419
In France February 26, 1935
1 Claim. (Cl. 230—100)



In a locomotive, a steam exhaust pipe disposed in the smoke box, a smoke stack over said pipe and a device on said pipe comprising a ring of nozzles with a long neck separated one from the other to an extent such that the smoke can easily obtain direct access to the interior of said ring by passing between said nozzles, the latter having their axes inclined relative to the interior wall of the smoke stack in such a manner that the jets of steam emerging therefrom are directed against the inferior part of said wall and leave a free space for the smoke at the interior of the ring of steam they form along the interior wall of the smoke stack.

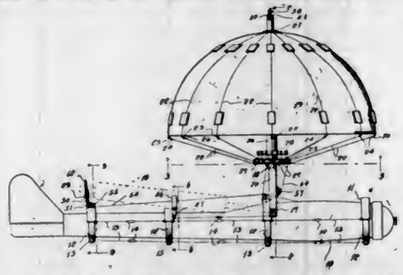
2,072,600

SAFETY PARACHUTE ATTACHMENT FOR AIRPLANES

Thomas Lewis and Sidney J. Robinson, Mumford, N. Y.

Application February 4, 1936, Serial No. 62,340
4 Claims. (Cl. 244—139)

1. A device of the class described comprising harness, a staff having a bifurcated portion pivoted to the harness, a parachute connected to the staff, a spool slidable along the staff, a series of flexible elements connected to the spool and to the parachute, a fixed guy means on the staff over which one of the series of flexible elements passes, means operable to slide the spool to facilitate collapse of the parachute, comprising a cable attached at both ends to the spool, a pulley over which said cable passes, a shaft on which the pulley is loosely mounted, elements slidable and



non-rotatable on said shaft, and inter-engaging means between said pulley and said elements.

2,072,601

ICE TRAY

James H. Miner, Meridian, Miss.

Application March 14, 1936, Serial No. 68,929
17 Claims. (Cl. 62—108.5)



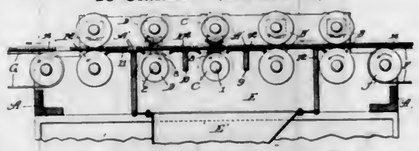
1. The combination with an elongated ice tray having yieldable side walls, of a fulcrum disposed inwardly of the tray, and a lever extending transverse to the length of the tray and engaging with said fulcrum and also engaging with a long side wall of the tray to move said wall outwardly for enabling removal of the ice.

2,072,602

METHOD AND APPARATUS FOR MANUFACTURING UPHOLSTERED PANELS

Allister S. Mitchell, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Application July 10, 1935, Serial No. 30,757
18 Claims. (Cl. 154—2)



1. A method of producing an upholstery panel which comprises applying pneumatic action to a panel-plate and an associated layer of fibrous padding material to force projecting portions of the padding material about the edges of the panel-plate, and removing marginal portions of the padding material.

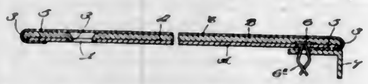
2,072,603

UPHOLSTERY PANEL

Allister S. Mitchell, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Original application July 10, 1935, Serial No. 30,757. Divided and this application October 5, 1935. Serial No. 43,775
4 Claims. (Cl. 154—45.9)

1. For use in an upholstery-panel, a panel-board having a perforation therein, and a layer of batting cemented to a surface of said panel-



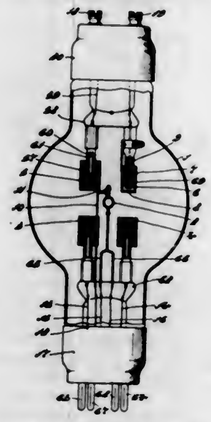
board and having portions forming padding for the walls of said opening and edges of said panel-board.

2,072,604

RECTIFYING TUBE

Johannes Gijsbertus Wilhelm Mulder and Daniel Marie Duinker, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application October 3, 1935, Serial No. 43,429
In the Netherlands October 11, 1934
3 Claims. (Cl. 250—27.5)



1. An ionic rectifying tube comprising an envelope, an incandescible cathode, a plurality of anodes disposed in the same discharge space with said cathode, said anodes being symmetrically mounted around said cathode and at equal distances therefrom, and means to increase the negative blocking voltage of one of said anodes to a value greater than that of the remaining anodes.

2,072,605

GAME

Paul Louis Palmer, South Bend, Ind.

Application August 6, 1935, Serial No. 34,949
1 Claim. (Cl. 273—137)



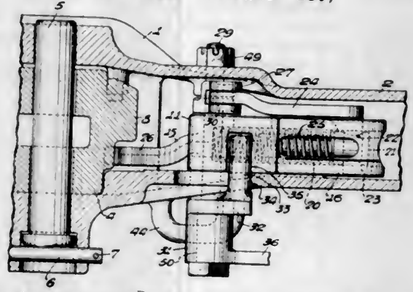
A game including game pieces, each game piece being hexagonal in formation presenting a plurality of substantially long straight edges and a plurality of substantially short straight edges, each game piece having letter characters disposed adjacent to the substantially short straight edges and numbers disposed adjacent to the substantially long straight edges, the letter characters and numbers being arranged alternately on the faces of the game pieces, whereby words may be formed when the game pieces are arranged so that predetermined numbers are brought into registry.

2,072,606

COUPLER

William J. Regan, Pittsburgh, Pa., assignor to McConway & Torley Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 28, 1934, Serial No. 732,898
11 Claims. (Cl. 213—130)



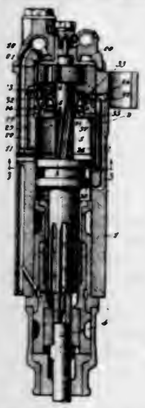
1. A car coupler involving a coupler head, a knuckle pivotally mounted on said head, a lock for said knuckle adapted to move rearwardly to unlocked position, a horizontally rotatable knuckle-opener lever pivotally mounted on said head, a spring acting upon said lock, a spring seat for said spring movable with respect to said lock, said spring being interposed between said spring seat and said lock, and a link pivotally connected to said knuckle-opener lever and said spring seat and adapted to communicate movement from said spring seat to said knuckle-opener lever.

2,072,607

PERCUSSIVE TOOL VALVE

Herman J. Schorle, Astoria, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a corporation of Virginia

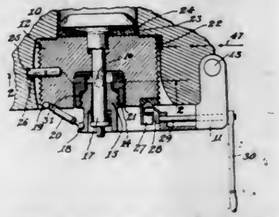
Application May 10, 1934, Serial No. 724,888
3 Claims. (Cl. 121—18)



1. In a percussive tool, the combination, of a cylinder having a piston chamber and an exhaust port therein, a piston in said chamber, a valve chest having a valve chamber therein, inlet passages leading from said valve chamber to said piston chamber, a valve in said valve chamber including a cylindrical body, said valve chest provided with a pressure fluid supply passage, a central flange on said valve body for controlling communication between said supply passage and said inlet passages, valve throwing flanges on the ends of said valve body, a pair of internal flanges

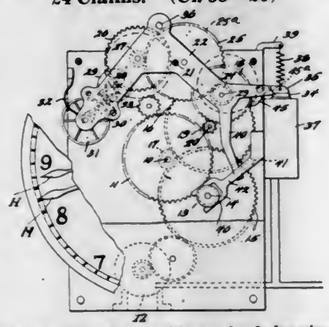
formed on said body intermediate said throwing flanges, and a leak port through said body to deliver pressure against said internal flanges for holding said valve in position.

2,072,608
BREECH MECHANISM
George L. Smith, Washington, D. C., assignor to United States Ordnance Company, Washington, D. C., a corporation of Virginia
Application May 19, 1934, Serial No. 726,590
15 Claims. (Cl. 89—17)



4. In a breech mechanism for guns, a carrier swingably mounted on the gun and having a hub, a member mounted on said hub for rotation about the axis of said gun when said mechanism is closed, a breech plug pivotally mounted on said member, and means controlling the pivotal movement of said plug on said member.

2,072,609
CLOCK
Edward E. Taliaferro, Jackson, Tenn.
Application April 14, 1931, Serial No. 530,053
24 Claims. (Cl. 58—26)

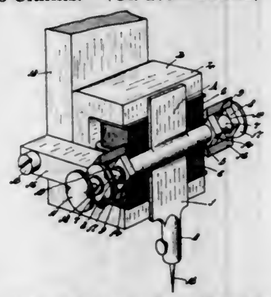


1. The combination with a clock having a time indicating train driven by an electric motor, of a spring motor train including an escapement, a movable mounting for said spring motor train for permitting movement thereof as a unit with respect to the time indicating train, and means controlled by the breaking of the current to the motor for moving the spring motor train into driving connection with the time indicating train whereby the latter is driven by the spring motor train whenever the electric motor ceases to drive.

8. In combination, a time indicating train, an electric motor train and a spring motor train including a spring motor, gear means for winding the spring of the spring motor, electro-magnetic means responsive to the motor current for meshing said gear means with the time-indicating train and at the same time both connecting the electric motor train with said time indicating train and disconnecting the spring motor train from the time indicating train.

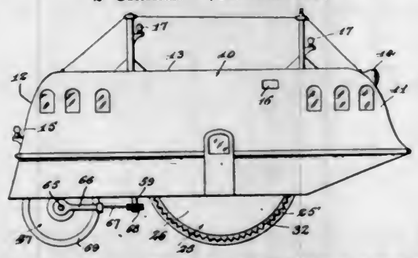
12. A timing device comprising time indicating means, a motor for driving said means, a clutch for connecting said motor to said means, additional means for driving said time indicating means independent of said motor, means for connecting said additional means with said time indicating means and means actuated by said connecting means for operating said clutch to connect and disconnect said motor simultaneously as it disconnects and connects said additional means with said time indicating means.

2,072,610
DEVICE FOR RECORDING AND REPRODUCING ACOUSTIC VIBRATIONS
Arend Thomas van Urk, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application November 22, 1934, Serial No. 754,324
In Germany December 15, 1933
5 Claims. (Cl. 179—100.41)



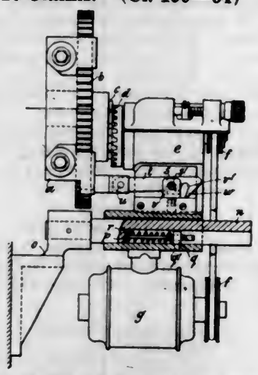
1. In a device adapted for alternately recording and reproducing acoustic vibrations by electromagnetic means, a vibratory system, elastic restoring means to give said vibratory system a resonance frequency of a predetermined value suitable for reproducing purposes, a second elastic restoring means to give the vibratory system a resonance frequency of a value suitable for recording purposes, and adjusting means for selectively placing said restoring means into or out of operation.

2,072,611
CYCLE POWER UNIT
Otto Von Kories, Los Angeles, Calif.
Application November 11, 1935, Serial No. 49,285
2 Claims. (Cl. 115—19)



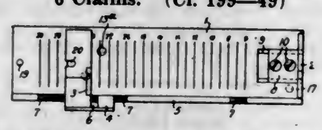
1. In a watercraft, a floatable body, a drum extending transversely of the body and of a diameter to project below the bottom of the body, said drum having corrugations upon its exterior surface extending transversely thereof, means upon the interior of the drum for revolubly supporting and driving the drum, a shaft extending longitudinally of the body, said shaft having a gear mounted upon respective ends thereof, a vertically disposed shaft at the fore and aft portions of the craft, a gear on said shafts in mesh with the gears on the longitudinally extended shaft, manual means for rotating the shaft at the fore part of the craft, a rudder carriage carried on the free end of the shaft at the aft portion of the craft, a ball race on the carriage complemental to bearing members on the body, a substantially cylindrical rudder on the carriage, said rudder having an annular rim projecting beyond the periphery thereof, a yoke on the carriage, a vertically disposed shaft carried by the body, said shaft having a gear at its upper end, a gear on the longitudinal shaft in mesh therewith, said vertically disposed shaft having a drum at its lower end, and flexible cable means between the drum and yoke.

2,072,612
TYPOGRAPHICAL SLUG CASTING MACHINE
Christian Augustus Albrecht, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a registered company of New York
Application March 29, 1935, Serial No. 13,624
In Germany May 18, 1934
10 Claims. (Cl. 199—54)



1. In a typographical slug casting machine, the combination with a mould, a mould slide and a slug-trimming unit adapted to trim the printing faces of slugs in the mould, of means fixed to the machine frame adapted to support the slug-trimming unit and relatively to which said unit is movable to active and inactive positions, and coupling means adjustable to connect said unit with the mould slide in either of said positions.

2,072,613
HAND-COMPOSED MATRIX IN TYPOGRAPHICAL LINE-CASTING MACHINES
William Edgar Aynge, Upper Sydenham, London, England, assignor, by mesne assignments, to Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York
Application November 1, 1935, Serial No. 47,740
In Great Britain November 8, 1934
6 Claims. (Cl. 199—49)



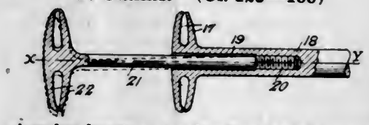
1. A hand-stick comprising in combination a matrix supporting shelf, an adjustable line abutment, a normally fixed line abutment, and manually operable means adapted to actuate said normally fixed abutment to clamp a composed line.

2,072,614
SUMMER GARMENTS
Herbert M. Birch, Washington, D. C.
Application July 27, 1935, Serial No. 33,608
4 Claims. (Cl. 2—227)



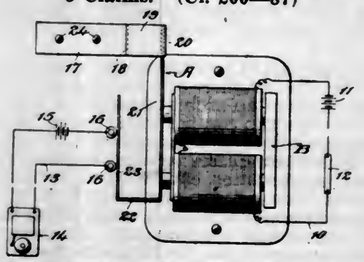
1. A pair of trousers having a pair of leg members formed of open mesh material, a relatively closely woven cuff member at the bottom of each leg member, a relatively closely woven member at the upper end of the leg members, and a pair of relatively closely woven narrow strips for each leg secured to the open mesh material and connecting the cuff members and said second member at the front and back portion of each leg.

2,072,615
VALVE
Jean Bugatti, Molsheim, France
Application May 23, 1935, Serial No. 23,100
In France May 25, 1934
10 Claims. (Cl. 123—188)



1. A valve having a valve head which comprises at least two outwardly extending annular laminas spaced apart from each other and the space between which is wider, in the axial direction, in the portion thereof close to the axis of the valve than in the peripheral portion, the peripheries of the two extreme laminas being bent toward each other, so that the valve head forms a laminated structure of smaller thickness at its periphery than in its central part.

2,072,616
ARMATURE FOR RELAYS
Charles B. Barnett, Jonesboro, Ark.
Application February 25, 1936, Serial No. 65,707
5 Claims. (Cl. 200—87)



1. In combination with an electro-magnet and back contacts, an armature comprising a pair of

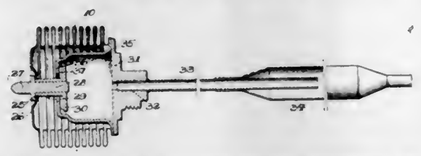
U-shaped formations disposed at substantially right angles to each other, one leg of one of said U-shaped formations being fastened and the other leg of said U-shaped formation being free and supporting the other U-shaped formation, the last mentioned U-shaped formation being interposed between the electro-magnet and the back contacts.

2,072,617

STOP MECHANISM FOR BELLOWS DEVICES

Paul E. Cate, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware

Application September 25, 1933, Serial No. 690,965
2 Claims. (Cl. 297—8)



1. In a device for limiting the movement of a bellows, a bellows member, a centrally apertured end wall sealed to one end of said bellows member, a post projecting through said apertured end wall, a flange on said post, said flange engaging the outside of said apertured end wall, a sleeve engaging the interior projecting portion of said post and engaging the interior of said apertured end wall to clamp said apertured end wall against said flange, a second flange mounted on said sleeve adjacent its inner end, a second end wall closing the opposite end of said bellows member, an inwardly projecting centrally apertured cup-shaped member clamped between said second named end wall and said bellows member, said sleeve and said post passing through said apertured cup, said flange on said sleeve engaging the interior of said cup to limit the expansion of said bellows member, said first named end wall engaging the exterior of said cup to limit the contraction of said bellows member.

2,072,618

PRODUCTION OF AMINES

Miles A. Dahlen, Wilmington, Del., and William L. Foohey, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 26, 1933, Serial No. 673,102
13 Claims. (Cl. 260—130.5)

1. In a process of producing para-nitraniline by the reaction of ammonia with the chlorine of para-nitrochlorobenzene in a vessel subject to iron corrosion, the improvement which comprises adding about 1 to about 10 parts of pyridine per thousand parts of reaction mixture to the reaction zone.

6. In a process of producing a primary aromatic amine by the reaction of ammonia with a ring halogen atom of an aromatic halide in a vessel in which that part in contact with the reaction mixture is subject to iron corrosion, the improvement which comprises adding to the reaction mixture an inhibitor effective in inhibiting the attack of iron by an ammoniacal ammonium halide, said inhibitor being a cyclic nitrogen compound containing an ammonia nitrogen atom directly connected to from two to three carbon atoms at least one of which is a carbon of a six-membered ring the members of which, other than the ammonia nitrogen when this is a member of the ring, are carbon.

13. The process of producing para-nitraniline which comprises heating together ammonia, water and para-nitrochlorobenzene under amination conditions in a vessel which is subject to iron corrosion, in the presence of an inhibitor effective in inhibiting the attack of iron by an ammoniacal ammonium halide, said inhibitor being a condensation product of aniline, acetaldehyde and carbon bisulfide.

2,072,619

FLEXIBLE RAIL JOINT

Clarkson A. Disbrow, New Rochelle, N. Y., assignor, by mesne assignments, to Poor & Company, a corporation of Delaware

Application March 7, 1931, Serial No. 520,902
3 Claims. (Cl. 238—243)



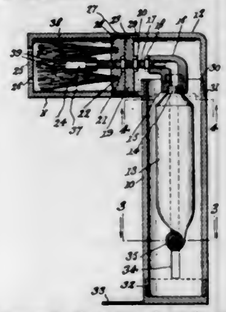
1. In a rail joint, the rails, and a splice bar having loading engagement at the inner upper corner of its head medially and at its ends with the head fillets of the rails, the head of said bar being formed for clearance from the rail head fillets between the said head fillet contacting portions of the bar, the bar having bolt holes within the lengths of said clearance portions, respectively, and said bar further having enlargements of metal in line with said bolt holes extending into said clearance portions.

2,072,620

SHAVING BRUSH

Fred H. Fitch, Bronx, N. Y.

Application February 19, 1936, Serial No. 64,766
4 Claims. (Cl. 15—135)



1. An improved shaving brush comprising an elbow-shaped casing, a disc in the casing, an elbow member in the casing, means for connecting said disc with one end of the elbow member and to hold the same in fixed position within said casing, an adapter member attached to the other end of the elbow, the said elbow and adapter members being hollow, a brush unit fixedly attached to said disc and mounted in one end of said casing with said tubular means extending into the brush, and a collapsible container removably fitted to said adapter member.

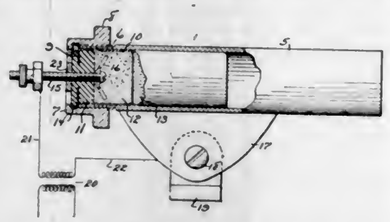
2,072,621

GAS GUN

Merlin S. Gagle, Middlesboro, Ky.

Application November 7, 1934, Serial No. 751,935
1 Claim. (Cl. 42—84)

A gun of the character described comprising a cylindrical barrel of uniform size in cross section throughout its length and having an externally threaded open end, an ear formed externally on said barrel, a bracket having the ear swingingly connected thereto, a centrally perforated cap in threaded engagement with the threaded end of said barrel and having flat wrench engaging surfaces externally thereof, the cap being cut away



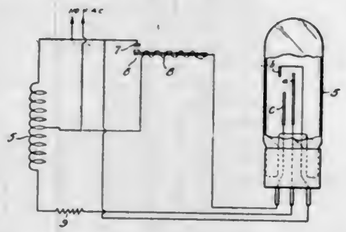
to provide an internal circular flange for the holding of a shell seated against the externally threaded end of said barrel, a bakelite piece secured within the cap and having fitting with the shell, a headed bolt fitting said piece, and a double prong igniter on the inner end of said bolt and within the shell for ignition of its explosive content.

2,072,622

CIRCUIT FOR NEGATIVE GLOW DEVICES

Andrew F. Henninger, Jr., Chicago, Ill.

Application February 16, 1931, Serial No. 516,079
3 Claims. (Cl. 177—346)



1. A negative glow display device consisting of an envelope having a gaseous filling and at least three electrodes including a back electrode and two front electrodes, a source of current, circuits, each including said source, said back electrode and one of said front electrodes respectively, one of said circuits being of higher resistance than the other, and a circuit controlling device associated with the circuit of lower resistance for intermittently interrupting said lower resistance circuit to cause an increased flow of current thru said higher resistance circuit.

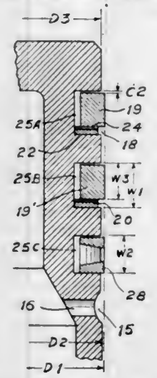
2,072,623

HIGH SPEED PISTON RING SYSTEM

Louis Illmer, Cortland, N. Y.

Application October 24, 1934, Serial No. 749,777
5 Claims. (Cl. 309—44)

1. A piston assembly comprising a reciprocative piston member having a pair of ring receiving grooves circumscribing the piston axis in spaced tandem relation, each such groove including a lower side wall and a uniformly planiform upper side wall that are transversely connected by an imperforate bottom wall, in combination with a separate snap ring of the split type mounted in each of said grooves and which rings respectively inclose a different annular pocket thereunder, each such ring having a uniformly planiform upper end face and a like planiform lower end face laterally fitted between the groove side walls thereof with a substantially normal side clearance to permit a periodic axial shift of the respective rings in unison with the piston movements, each of said upper ring end faces in one of their respective shift positions being seatable throughout the length thereof upon its adjacent upper groove side wall as a substantially closed check valve that controls ingress of blowby into the pocket associated therewith and which rings when shifted toward their



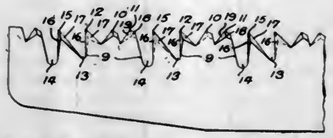
respective adjacent lower groove side walls successively admit a charge of piston blowby into said pockets, and blowby bypassing means having a plurality of unobstructed vent conduits disposed beneath the lower end face of the ring inclosing the pocket first charged and which conduits are disposed above the upper groove side wall associated with the other pocket, said conduits serving to facilitate the liberation of blowby onward from said first charged pocket into the other pocket and having a venting rate sufficient in magnitude to alleviate the accumulative building up of an inordinately sustained pressure within said first charged pocket while the last named pocket is being periodically charged at a frequency in excess of one thousand per minute.

2,072,624

SAW BLADE

Jonas Leander Owén, Norredsbyn, Sweden

Application December 1, 1933, Serial No. 700,501. Renewed July 23, 1936. In Sweden December 1, 1932
1 Claim. (Cl. 143—133)



A saw blade having teeth divided by gaps into sections having symmetrical groups of at least four teeth each, said teeth being triangular and having all faces inclined, the bases of the teeth being of equal width, and those bases within each section contacting each other, the points of the teeth of each group of two teeth adjacent a gap being equally spaced, and the points of the intermediate teeth in each section being spaced from

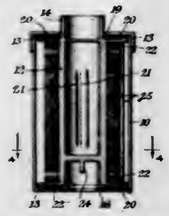
each other differently from the spacing of the points of the teeth forming said group adjacent a gap.

2,072,625

RELOADABLE FILM CARTRIDGE

Chester E. Rose, Parlin, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware

Application August 29, 1935, Serial No. 38,474
1 Claim. (Cl. 242—71)



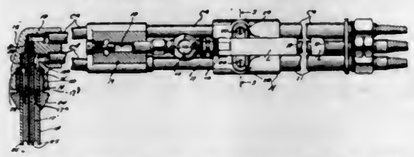
A light-proof reloadable film cartridge, made of rigid non-fogging metal, comprising in combination: a rigid, unlined cylindrical cup-shaped casing provided with a longitudinal co-extensive straight projecting slotted film guide lined with light-excluding material; a single rigid, readily removable and resealable cup-shaped cap adapted to slidably fit over the open end of said casing and said film guide; two annular discs of light-excluding material fixed to the inner side of each end of said cartridge; a roll of sensitized film carried by a spool provided with end flanges adapted to slidably fit into said cartridge and to slidably rotate in light-excluding contact with said discs; outwardly projecting ridges on said flanges adapted to exert sufficient compression on said discs to prevent accidental rotation of said spool; and combined means embodied in said spool for advancing and retracting said film, and for readily removing said spool from said casing.

2,072,626

BLOWPIPE

Lloyd W. Young, Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application September 15, 1933, Serial No. 689,522
4 Claims. (Cl. 158—27.4)



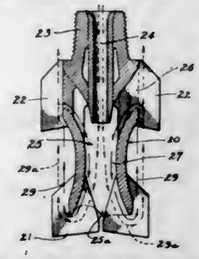
1. In a torch, the combination of a heating nozzle; an air blast nozzle; a mixer for mixing fuel gas and oxygen; means for supplying the mixture to the heating nozzle; a conduit for conducting compressed air to the air blast nozzle; means for connecting said compressed air conduit to a source of compressed air; conduits for conducting fuel gas and oxygen to the mixer; and means controlling the flow of air and oxygen through the air and oxygen conduits; said means being constructed and arranged for operation automatically in sequence by a single operating movement on the part of the operator and including valves in said conduits and adjustable elements for timing the opening of the respective valves upon operation of said controlling means.

2,072,627

METHOD AND APPARATUS FOR INCREASING FLUID MOVEMENT AROUND OIL WELL TOOLS

John A. Zublin, Los Angeles, Calif.

Application August 15, 1935, Serial No. 36,267
13 Claims. (Cl. 255—61)



1. The method of increasing the movement of liquid around an oil well tool continuously receiving circulation liquid flowing downwardly from the ground surface through a string of drill pipe and returning upwardly to the ground surface through the annular space between well and drill pipe, that includes adding a simultaneous local circulation of liquid entering the tool from said annular space and moving downwardly through the tool to return around and outside the tool in said annular space.

2,072,628

ROSIN ACID AND PROCESS OF PRODUCING THE SAME

Edward A. Brennan, Savannah, Ga., Stanley E. Cairncross, Palisades Park, N. J., Torsten Hasselstrom, New York, N. Y., and Washington Hull, Savannah, Ga.

No Drawing. Application June 15, 1933, Serial No. 675,976
14 Claims. (Cl. 260—108)

1. As a new composition of matter, pseudopimaric acid having an elementary composition corresponding approximately to the formula $C_{20}H_{30}O_2$, having a melting point of about 69–71° C. in crude state, said acid having in a refined state a melting point of about 195° C. to about 198° C. and an optical angle of rotation $(\alpha)_D$ of about plus 0.33°.

8. The process of producing pseudopimaric acid which comprises treating rosin oil with an aqueous solution of an alkali, permitting the mixture to separate into two layers, the lower containing an alkali resinate and the upper containing unsaponifiable material, separating the alkali resinate in the lower layer from the unsaponifiable material in the upper layer, and acidifying the lower layer with mineral acid to precipitate the pseudopimaric acid.

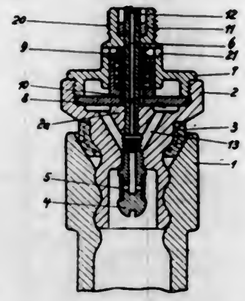
2,072,629

COUPLING DEVICE FOR CARBONATORS

Ernst Fernholz, Berlin-Tempelhof, Germany

Application October 4, 1934, Serial No. 746,834
In Great Britain January 15, 1934
3 Claims. (Cl. 225—17)

1. A connection for directing gas under pressure from a flask into a beverage bottle, and comprising a closure projecting from the neck of said flask and a coupling device carried by the bottle and detachably secured to said closure; said closure having therein a valve controlled passage for the gas; and said coupling device comprising a body member having a socket at one end, a passage extending inwardly from a part of said socket, and a lateral passage extending inwardly from a second part of said socket and communicating at its inner end with the first mentioned passage; a hollow rod secured in said passage and having a channel therein communicating at one end with said valve controlled passage and at the other end with the interior of said bottle and at an intermediate portion with said lateral passage; a cover arranged to define with said socket a chamber; an outlet passage through said chamber; a diaphragm in said chamber normally positioned to prevent the flow of gas from lateral passage through said outlet passage; yieldable means arranged to maintain said diaphragm in such position or to permit the diaphragm to move therefrom to place the lateral and outlet passages in communication, and an elastic device arranged to permit flow through said channel into said bottle and prevent flow in the opposite direction; the valve actuating end of said hollow stem passing through said cover member.

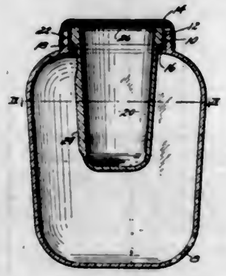


2,072,630

SPECIMEN CONTAINER

Genevra Ferry, Nevada, Mo.

Application October 18, 1935, Serial No. 45,630
3 Claims. (Cl. 215—6)



1. A specimen container comprising a vessel; a cover removably associated with the vessel; an internal shoulder formed on the vessel; a receptacle having an external shoulder thereon for engaging the internal shoulder of the vessel when the receptacle is within the vessel; and a resilient lid for the receptacle, said lid for the receptacle being compressed by the cover for the vessel as the latter is moved to the completely closed position, said cover and lid being in superimposed relation when in the vessel and receptacle closing positions.

2,072,631

THERMOPLASTIC ADHESIVE

Ralph M. Freydberg, New York, N. Y., assignor to Acme Backing Corporation, Brooklyn, N. Y., a corporation of New York

No Drawing. Application November 17, 1934, Serial No. 753,543
3 Claims. (Cl. 154—46)

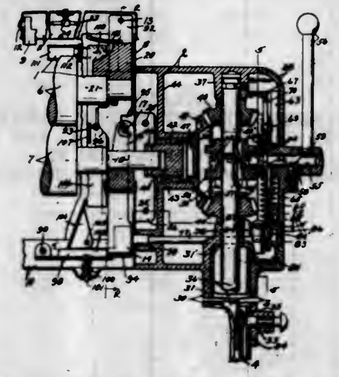
1. A unitary fabric comprising a plurality of layers of fabric adhesively joined by a thermoplastic composition having a melting point at approximately 300° F. and comprising substantially 100 parts composite polymer of vinyl acetate and vinyl chloride, 10% dibutyl phthalate, and 1% chlorinated rubber, said composition retaining its adhesive properties at temperatures below 212° F.

2,072,632

CONTROL MEANS FOR WRINGER DRIVE MECHANISM

Peter Eduard Geldhof, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware

Application August 13, 1934, Serial No. 739,528
18 Claims. (Cl. 68—32)



1. The combination with a safety device for releasing the spring pressure of a roll wringing mechanism, of manually controlled power drive means for rotating the wringer rolls in either direction, a power means independent of the power drive means and said pressure means adapted to disengage the power drive means to effect the stopping of rotation of the rolls, and means set into operation by the release of the safety device for effecting the operation of said power means.

2,072,633

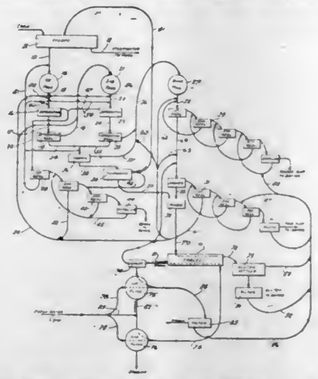
MANUFACTURE OF STARCH

Robert Edman Greenfield and Harold R. Baker, Decatur, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware

Application September 23, 1932, Serial No. 634,557
9 Claims. (Cl. 127—69)

6. In the recovery of starch and other products from corn, the process which comprises steeping the corn, breaking up the steeped corn, separating the germs of the broken-up corn from the starch-bearing portions thereof by starch milk flotation, separating the fibrous constituents of said starch-bearing portions by washing with water, dewatering the starch milk from said flotation operation, employing at least a portion of the water from said starch milk in said steeping operation, employing a portion of the wash water from

said fibrous constituents for said flotation operation, mixing another portion of said wash water with the starch from said dewatered starch milk, removing gluten from said mixture, and



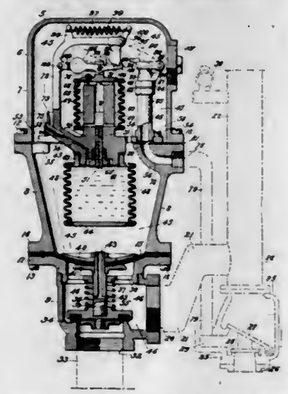
employing sufficient water for washing said fibrous constituents to supply said flotation operation and to produce in said mixture a gravity which is favorable to the removal of gluten therefrom.

2,072,634

EXHAUSTER FOR SPRINKLER SYSTEMS

William B. Griffith, Audubon, N. J., and David Arthur Keller, Drexel Hill, Pa.

Application June 25, 1935, Serial No. 28,260
16 Claims. (Cl. 169—17)



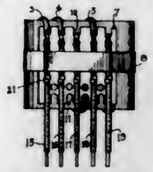
1. In a combined accelerator and exhauster for a dry pipe fire extinguishing system containing air under pressure, a pressure chamber adapted to communicate with the piping of said system, a sealed pressure retaining chamber of variable volume located in said pressure chamber and containing a compressible pressure medium, said retaining chamber subjected externally to the pressure in said pressure chamber, means controlling the exhausting of the air under pressure from said system actuated by a release of pressure from the pressure chamber at a rate greater than can be admitted, the release of said pressure being effected by means actuated by the expansion of said retaining chamber caused by the expansive action of excess pressure in the retaining chamber relatively to the pressure in said pressure chamber, a sealed flexible container located in said pressure chamber and subjected externally to the pressure in said pressure chamber, and a connection forming a restricted passageway between said container and the retaining chamber through which said pressure medium may slowly equalize.

2,072,635

TERMINAL BOARD

Arni Helgason, Wilmette, and Peter E. Keegan, Chicago, Ill., assignors to Chicago Transformer Corporation, Chicago, Ill., a corporation of Illinois

Application February 27, 1936, Serial No. 66,080
1 Claim. (Cl. 173—28)



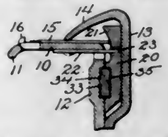
A terminal board adapted to be used on coils comprising a generally rectangular sheet of insulating material having a series of indentations on two opposite sides only, said material having an aperture corresponding to each indentation and disposed inwardly therefrom, the series of apertures and identations along one side being staggered with respect to those on the other, leads disposed on said material each extending from an unindented portion on one side directly across to an aperture on the other side of said material, each lead being threaded through said aperture and the bared end thereof coming up in the corresponding indentation, each lead being stapled to said material at an intermediate portion thereof, said material being adapted to be tied to a coil with the indented edges parallel to the coil edges and with the coil leads connected to the bared lead ends.

2,072,636

RAZOR

John H. Hilliard, New York, N. Y., assignor to Magazine Repeating Razor Company, a corporation of New Jersey

Application April 25, 1935, Serial No. 18,126
6 Claims. (Cl. 30—40)



1. A safety razor comprising a holder for maintaining a blade in shaving position, a slidable part in the holder, said part including a wedge for yieldingly maintaining the blade by engagement with its back edge, a blade magazine having means for ejection of a blade, and a finger on the magazine and insertable in the holder and having a surface for moving the slidable part out of engagement with the blade.

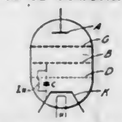
2,072,637

ELECTRON DISCHARGE TUBE

Günther Jobst, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application October 26, 1933, Serial No. 695,237
In Germany October 15, 1932
2 Claims. (Cl. 250—27.5)

1. An electron discharge tube comprising an equipotential cathode, concentrically arranged control grid and anode electrodes surrounding the cathode, a pair of concentrically arranged electrodes interposed in the space between cathode and control grid adapted to be suitably energized by sources of constant positive potentials



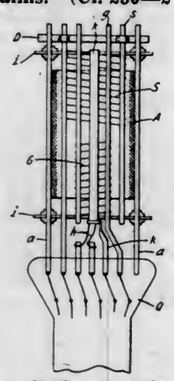
to control both the density and the velocity of the electrons emitted from the cathode and means within the tube connected between the cathode and the second of said pair of concentrically arranged electrodes from the cathode for preventing reversal in direction of electron flow.

2,072,638

ELECTRODE MOUNTING FOR DISCHARGE TUBES

Günther Jobst, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application February 1, 1935, Serial No. 4,476
In Germany January 30, 1934
9 Claims. (Cl. 250—27.5)



5. An electron discharge tube comprising a press, a plurality of electrodes mounted above the press, a plurality of support rods for said electrodes anchored to the press at one end, and means comprising a resilient strip interwoven between the support rods at the other end for reducing the effect of microphonics due to electrode vibration.

2,072,639

BLEACHING SUGAR

Hans O. Kauffmann, Buffalo, N. Y., assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.

No Drawing. Application July 2, 1934, Serial No. 733,531
4 Claims. (Cl. 127—48)

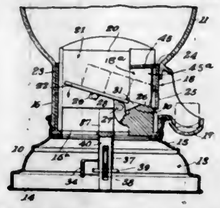
1. The method of refining sugar which comprises adding to a syrup of washed sugar, lime and an amount of a soluble phosphate removing substantially all ash forming material introduced into the syrup by forming a salt substantially insoluble in the syrup, adjusting the pH of the solution to a figure greater than 7, substantially immediately thereafter adding hydrogen peroxide to the solution to decolorize a portion of the objectionable coloring materials therein and concentrating the syrup.

2,072,640

SUGAR DISPENSER

Baruch Levy, Chelsea, Mass.

Application December 5, 1934, Serial No. 756,152
6 Claims. (Cl. 312—92)



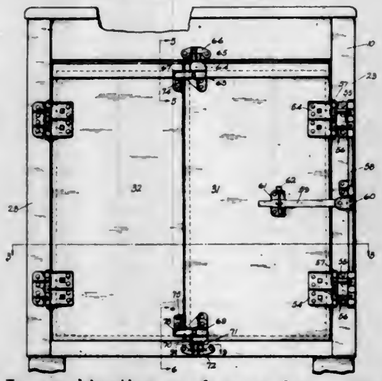
1. In a cube sugar dispenser having a dispensing opening, spaced agitators vertically slidably mounted within the dispenser in such manner as to provide a trough between them, a floor for said trough including a tiltable member, closure members for said opening carried by said agitators and means to vertically reciprocate the agitators in opposite directions to open and shut the closure members and to move said tiltable member to dispense a lump of sugar as the closure members are opened.

2,072,641

DOOR

Gabriel Madland, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application March 19, 1935, Serial No. 11,835
11 Claims. (Cl. 189—46)



1. In combination, a door, a frame member associated therewith, a plurality of spaced hinges pivotally securing said door to said frame member, each of said hinges comprising a hinge strap secured to said door, a hinge strap secured to said frame member, an intermediate hinge strap, a hinge pin securing said intermediate strap to said door strap and a hinge pin securing said intermediate strap to said frame member strap, said intermediate strap being rigidly secured to said latter pin and means operatively fastened to said latter hinge pin for imparting movement of rotation thereto.

2,072,642

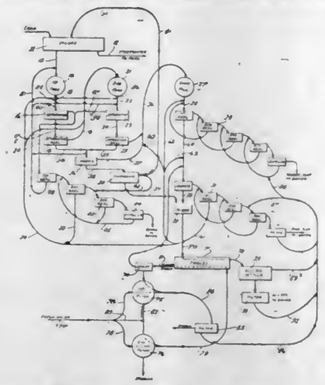
TOP ROLL FOR TEXTILE DRAFTING MACHINES

Edward L. Martin, Providence, R. I., assignor to H & B American Machine Company, Pawtucket, R. I., a corporation of Maine

Application June 21, 1935, Serial No. 27,736
4 Claims. (Cl. 19—142)

1. A top roll for textile machines comprising a

said fibrous constituents for said flotation operation, mixing another portion of said wash water with the starch from said dewatered starch milk, removing gluten from said mixture, and



employing sufficient water for washing said fibrous constituents to supply said flotation operation and to produce in said mixture a gravity which is favorable to the removal of gluten therefrom.

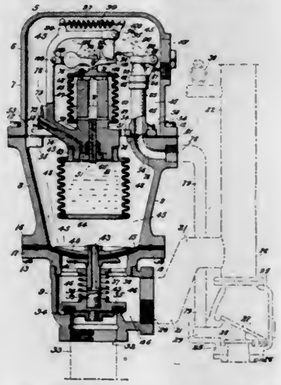
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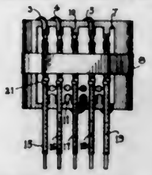
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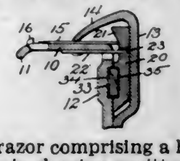
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2,072,638

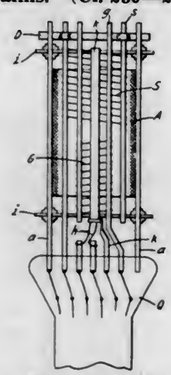
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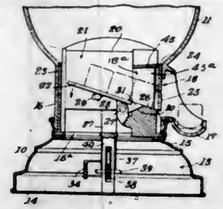
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6 Claims. (Cl. 312—92)



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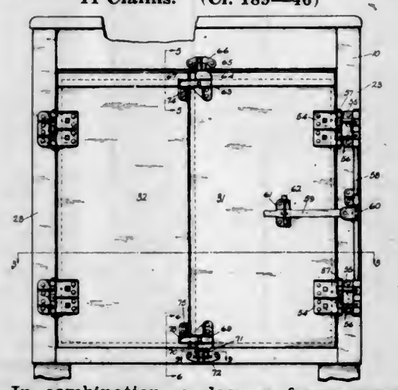
2,072,641

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2,072,642

TOP ROLL FOR TEXTILE DRAFTING MACHINES

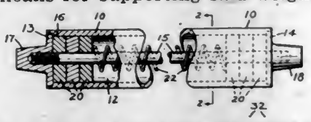
Edward L. Martin, Providence, R. I., assignor to H & B American Machine Company, Pawtucket, R. I., a corporation of Maine

Application June 21, 1935, Serial No. 27,736

4 Claims. (Cl. 19—142)

1. A top roll for textile machines comprising a

tubular sleeve having a central longitudinal bore coextensive therewith, plugs mounted in the ends of the bore for rotatably supporting the roll, a plurality of spaced weight members of substantially equal and predetermined weight value mounted within the bore and adjacent to the ends thereof, means for supporting said weight members in the bore, and means interposed between oppositely-related weight members to exert pressure against the opposed ends thereof and fixedly hold said members in position for preventing shifting movement of the weight members and unequal weight distribution thereof from the ends of the roll.

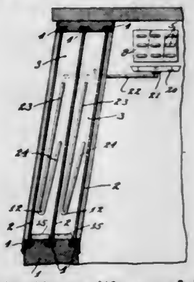


2,072,643

DEHUMIDIFIER

Charles B. Mays, Miami, Fla., assignor, by mesne assignments, to Charles B. Mays, Miami, Fla., as trustee

Application May 12, 1934, Serial No. 725,242
3 Claims. (Cl. 62—89.5)



1. In combination with a refrigerator display case having display windows in spaced relation to form dead air insulation spaces therebetween, means for preventing condensation of moisture on the inside surface of said windows which comprise drier coils positioned in said dead air spaces, means for cooling the interior of said display case, a pan below said cooling means to collect ice water therefrom, a drain at the bottom of said pan, means for connecting said drain with said drier coils to flow ice water therethrough to cool said coils and means for collecting moisture condensed on the drier coils as it drips therefrom.

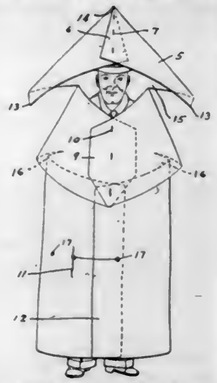
2,072,644

RAINCOAT

Avery McBee, Baltimore, Md.

Application March 3, 1936, Serial No. 66,928
2 Claims. (Cl. 2—87)

1. A raincoat of the class described having an overhanging peaked cap, a cape disposed below the cap and overshadowed thereby and integrally connected therewith at the rear thereof, and a body section disposed below the cape and integrally connected therewith at the rear thereof, said cap being arranged to shed rain off the same and away from the cape and body section and to embrace the head and shoulders of the user while permitting an opening to be provided in the front thereof, said cape being arranged with its front portion spaced away from the body section and sufficient to permit the arms of the user to be protectably moved between the cape and body portion, and means for tying the cap, cape, and body sections closed, the cap, cape and body section all being made from a single piece of material of substantially rectangular shape.

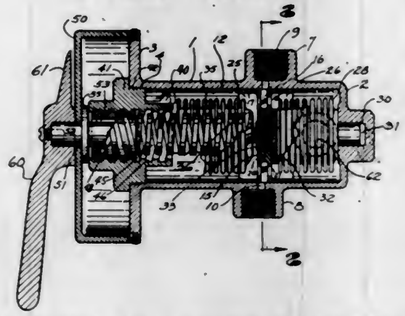


2,072,645

MIXING VALVE

Howard B. McLaughlin, Detroit, Mich.

Application October 9, 1935, Serial No. 44,301
Renewed January 9, 1937
3 Claims. (Cl. 236—12)



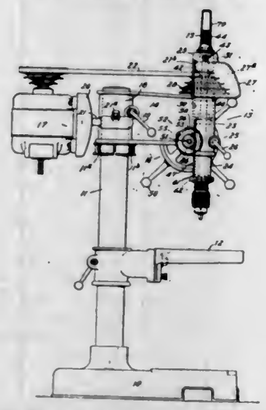
1. A mixing valve comprising a casing having a cylindrical chamber therein open at one end only, inlet ports for hot and cold water communicating with said chamber, said ports being diametrically opposed to each other but staggered along the axis of the cylindrical chamber, an outlet port in a plane different from that containing the inlet ports and axially displaced with respect thereto toward the closed end of the chamber, a piston valve member comprising a central member having a diameter smaller than that of the chamber and adapted to form an annular region with the chamber wall, a cup shaped member at each end of said central member, each cup member snugly fitting said chamber with the hollow portion of each cup facing outwardly away from the central member, two bellows, each having one end rigidly fastened to each cup member within the hollow thereof, said bellows being small enough so that an annular space is formed between the inside cup walls and bellows, said cup members having their bottoms perforated to give free access for liquid around both bellows, the bellows at the closed end of the chamber being sealed and charged with an expansible gas, said piston valve member being so disposed that the annular region around the central member normally includes portions of both inlet ports when in use, but upon movement of said cup members axially, said cup members are adapted to control both port openings, said other bellows being provided with a threaded collar at the outer end which is adapted to engage the open end of said chamber and seal it and maintain the assembly therein, said collar having a threaded opening therethrough giving access to the interior of said bellows, a threaded sleeve within said collar opening and movable axially thereof upon rotation, a spring within said bellows adjustable upon movement of said sleeve to vary the expansive force of said bellows and manual means engaging said threaded sleeve to rotate the same.

2,072,646

DRILL PRESS SPINDLE DRIVE AND MOUNTING

William Ferdinand Ocenasek, Plainfield, N. J., assignor to Walker-Turner Company, Inc., Plainfield, N. J., a corporation of New York

Application October 23, 1935, Serial No. 46,255
9 Claims. (Cl. 77—6)



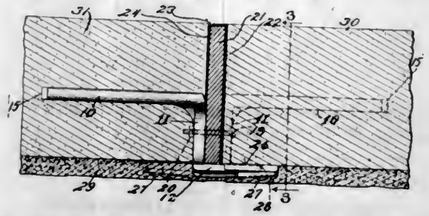
1. A drilling machine combining an upright cylindrical column member of uniform diameter throughout its length; a vertically adjustable head member having a portion girdling said column and other diametrically opposite portions projecting radially from the column; one of said portions comprising a spindle guide bracket providing a substantially closed housing and integrally formed upper and lower bearing portions, said housing having an opening therein at the side thereof facing said column, a drill spindle mounted in said bracket in axial alignment with the axes of said bearing portions; a spindle driving pulley assembly journaled in said housing in said upper and lower bearing portions thereof; driving means for said spindle comprising an electric motor mounted upon a vertical axis on said other portion of said bracket, a driving pulley thereon, and an endless belt connection between said driving pulley and the spindle driving pulley, the axes of said spindle, column, and motor lying in the same plane so that the said driving belt passes on opposite sides of the column; means for clamping said head in an adjusted position on the column; and means removably mounted in said upper bearing portion affording journal bearing means for the spindle driving pulley operable upon removal to render said spindle driving pulley freely movable laterally through the opening in the side thereof facing the column.

2,072,647

JOINT FORMING MEANS AND CONSTRUCTION MAKING USE THEREOF

Frank O. Parker, Buffalo, N. Y., assignor to Acme Steel & Malleable Iron Works, Inc., Buffalo, N. Y., a corporation of New York

Application January 12, 1935, Serial No. 1,482
5 Claims. (Cl. 94—18)



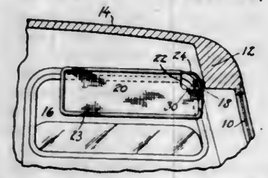
1. Road joint forming means, including a preformed joint filler, a rigid joint support or load transmitting part comprising an anchoring member, a foot member and means connecting such members in offset relation, and the two members extending from the connecting means in opposite directions, the foot member being engaged with and extending beyond the filler, and a fastening spaced from the foot member and positively connecting the filler and the joint support, such foot member and fastening coacting to hold the joint support in a predetermined position upon the filler, and the thus constructed and assembled joint forming means being adapted to be handled and installed as a unit.

2,072,648

VISOR CONSTRUCTION

Meredith S. Randall, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan

Application October 12, 1934, Serial No. 748,050
12 Claims. (Cl. 296—97)



4. A visor comprising a substantially rectangular frame, a panel carried thereby cut away at one corner exposing said frame adjacent to said corner for a portion of the length of the visor and for a portion of the width of the visor, a support engaging the exposed portion of the frame permitting slidable adjustment of said exposed portion throughout its entire length through said support and pivotal swinging movement of the visor panel about said exposed frame portion as a pivot and within said support at any point through the length of said exposed portion.

2,072,649

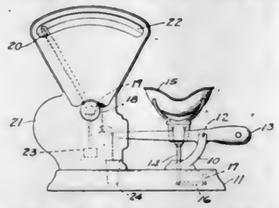
SCALE BEARING

Orwell C. Reeves, Dayton, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey

Application September 1, 1934, Serial No. 742,467
2 Claims. (Cl. 308—2)

1. In a weighing scale, in combination, a block having a substantially horizontal upper surface, a knife-edged pivot resting on said surface, and a

sheet metal member folded about said block and having upturned sides with edges sloping in oppo-



site directions which engage said pivot at a single place on each side thereof.

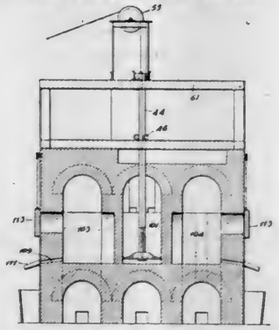
2,072,650

METHOD FOR METALWORKING

John Schmeller, Sr., Lakewood, Ohio, assignor to Schmeller Holding Company, Cleveland, Ohio, a corporation of Ohio

Original application April 30, 1930, Serial No. 448,740. Divided and this application February 12, 1934, Serial No. 710,808

5 Claims. (Cl. 75—68)



1. In a method of treating aluminum, the steps which consist of maintaining two separate masses of molten aluminum in communication with one another in a non-oxidizing atmosphere, agitating one of said masses, supplying material thereto from the other of said masses, withdrawing molten metal from the mass undergoing agitation into a separate chamber, controlling the temperature thereof to a degree requisite for fabricating purposes, and withdrawing molten metal from time to time for fabricating purposes.

2,072,651

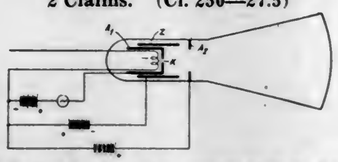
ELECTRON TUBE

Fritz Schröter and Fritz Michelssen, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application August 8, 1932, Serial No. 627,926

In Germany August 29, 1931

2 Claims. (Cl. 250—27.5)



2. A cathode ray tube comprising a source of cathode rays, a secondary cathode adapted to produce the effect of a concentrated electron source, said secondary cathode substantially surrounding the primary cathode, a tubular concentrator electrode extending beyond the secondary cathode in the path of the electron stream issuing therefrom and adapted to produce jointly with the secondary cathode a conical electrostatic field serving to focus the generated electron pencil to a sharply defined point at a predetermined distance from the source, and an accelerator electrode interposed between the concentrator electrode and the focus point for controlling the velocity of the cathode ray pencil within the envelope.

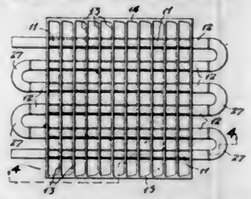
2,072,652

HEAT TRANSFER APPARATUS

Jerold H. Shafner, Euclid Village, Ohio, assignor to The National Bronze & Aluminum Foundry Company, Cleveland, Ohio, a corporation of Ohio

Application December 28, 1931, Serial No. 583,430

2 Claims. (Cl. 257—255)



1. A heat transfer apparatus formed as an integral structure comprising a series of tube sections of metal of relatively high melting point positioned in substantially parallel relation in a single plane, a series of edgewise positioned thin plate-like fins of lower melting point and higher inherent heat transfer capacity than said tube sections spaced from each other and intersecting and engaged by casting upon each of said tube sections and projecting to at least one side thereof, and forming combined frame members and heat transfer elements, and a series of shallow reinforcing fins mounted on said tube sections intermediate said first-named fins and cast integrally with and merging with the respective first-named fins at each end whereby large surfaces of said tube sections will be exposed intermediate said respective series of fins.

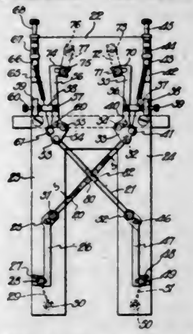
2,072,653

OSCILLOGRAPH

Jesse B. Sherman, New York, N. Y.

Application December 12, 1934, Serial No. 757,241

10 Claims. (Cl. 171—95)



10. A light beam instrument comprising means for producing a magnetic field, a plurality of pairs

of continuous electrical conductors resiliently supported to extend through said field, with one pair of conductors intersecting the other pair of conductors, and a slotted mask carried by each of said pairs of conductors and so mounted that the slots of the masks intersect each other.

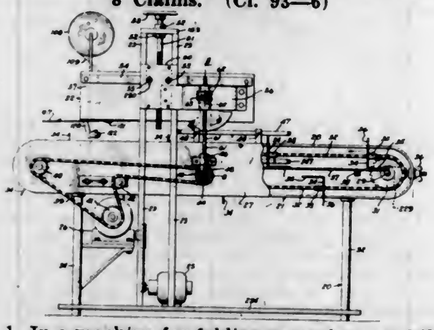
2,072,654

MACHINE FOR PACKING MERCHANDISE IN BAGS

Arthur F. Stagmeier, Montclair, N. J., assignor, by mesne assignments, to Tape-O-Matic Machine Company, New York, N. Y., a corporation

Application February 1, 1932, Serial No. 590,105

8 Claims. (Cl. 93—6)



1. In a machine for folding paper bags and the like, a hinge-like device comprising a pivot, a rear hinge plate and a forward hinge plate mounted on said pivot, means for bringing said plates together to fold over on itself the top of the bag between said plates, and means for moving said plates as thus brought together flatwise against the top of the body of the bag to fold the folded bag top against the body of the bag.

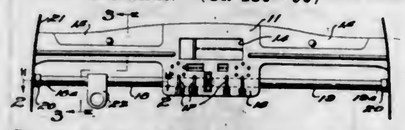
2,072,655

INSTRUMENT PANEL

John Tjaarda, Birmingham, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application January 7, 1936, Serial No. 57,943

7 Claims. (Cl. 180—90)



1. In an automobile body, a front end including a side support, an instrument panel comprising a transverse body having a dependnig portion, and a handle bar extending horizontally from the side support to the depending portion and spaced below said body portion to provide a hand grip.

2,072,656

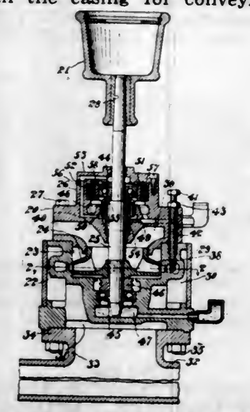
PRESSURE FLUID ACTUATED SPINNING MOTOR

William E. Trumpler, Easton, Pa., and Rodney C. Burns, Phillipsburg, N. J., assignors to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application July 10, 1935, Serial No. 30,586

2 Claims. (Cl. 253—55)

1. A pressure fluid actuated spinning motor, comprising a casing consisting of a plurality of parts, a vertical shaft in the casing, a reaction turbine on the shaft for rotating the shaft, passages in the casing for conveying pressure



fluid to the turbine wheel, and single means for securing the casing parts together and for varying the capacity of one of the passages.

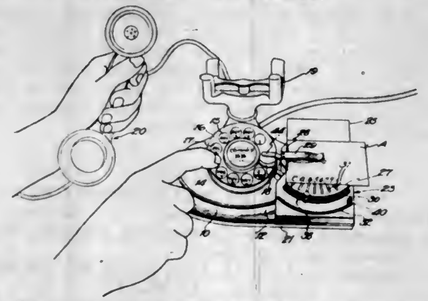
2,072,657

DIAL TELEPHONE INDICATOR

Richard Varley, New York, N. Y., assignor to Inter-Outer Telephone Corporation, Dover, Del., a corporation of Delaware

Application February 5, 1935, Serial No. 5,025

21 Claims. (Cl. 179—90)



1. In combination with a dial type telephone instrument, an indicating device associated therewith including means for visibly displaying a telephone number to be dialed, and means operable by the finger of an operator during each dialing operation of said telephone instrument for indicating the next telephone number character to be dialed.

2,072,658

RECEIVER ARRANGEMENT FOR ELECTRIC PICTURE TRANSMISSION

Otto von Bronk, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

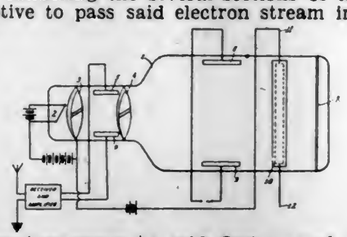
Application March 7, 1931, Serial No. 520,829

In Germany March 15, 1930

9 Claims. (Cl. 178—6)

1. In a system for receiving television images, a Braun tube having an electron emitter and a screen adapted to become fluorescent upon the electron stream reaching the screen, means included in said tube for controlling the position of said electron stream in one direction trans-

verse to said tube, and a comb-like grid formed from a series of sections and means for sequentially rendering the several sections of the grid operative to pass said electron stream in a di-



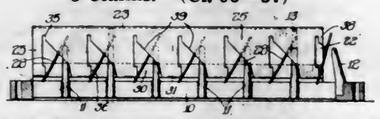
rection transverse to said first named control direction for limiting the effect of said electron stream upon said fluorescent screen to elemental sections of the screen at any instant.

2,072,659

METHOD AND APPARATUS FOR SETTING UP CELLULAR CARTONS

John E. Walsh, Chicago, Ill., assignor to Self-Locking Carton Co., Chicago, Ill., a corporation of Illinois

Application August 14, 1933, Serial No. 684,995
Renewed August 10, 1936
8 Claims. (Cl. 93—37)



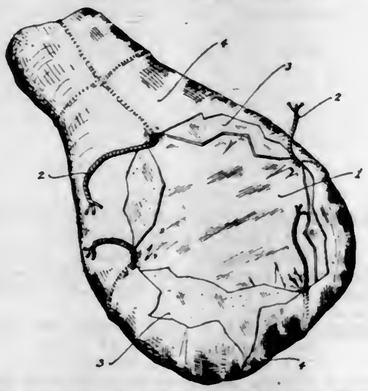
1. A device for setting up cellular cartons, comprising a frame, two rows of transversely spaced plates extending upwardly from said frame and having a longitudinal partition-receiving opening therebetween, and a carton positioning element extending upwardly above and adjacent certain of said plates.

2,072,660

COVERING IN MEAT PRODUCTS

Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application April 16, 1934, Serial No. 720,694
2 Claims. (Cl. 99—174)



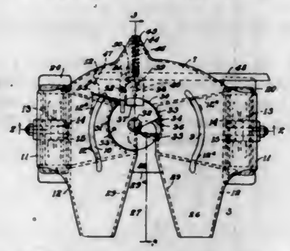
1. A covering for meat products comprising cellulose sheeting adjacent the meat surface, a coating of gelatin adherent to said cellulose sheeting and a moistureproof coating on the outer surface of said gelatin coating.

2,072,661

FIFTH WHEEL

George Walther, near Dayton, and Elmer L. Miller, Dayton, Ohio, assignors to The Dayton Steel Foundry Company, Dayton, Ohio, a corporation of Ohio

Application January 8, 1934, Serial No. 705,726
2 Claims. (Cl. 280—33.1)



1. In a fifth wheel for connecting a semi-trailer to a vehicle, a flat base member pivotally secured to said vehicle, said base member formed with a central circular recess from which a passage extends, a lock disc rotatable in said recess and formed with a peripheral slot and a peripheral recess in spaced relation, a king pin projecting downwardly from the semi-trailer for entrance into the peripheral slot in the disc through the passage in the base, a spring-pressed bolt adapted to engage in the peripheral recess in the disc to lock the latter after it is rotated by the king pin, a hand-operated member for withdrawing said bolt from the recess in the disc, automatic means for holding said bolt in its retracted position, and means carried by the lock disc for engagement with the automatic bolt holding means to release the bolt for contact with the periphery of the disc after the peripheral recess therein has been moved beyond the bolt.

2,072,662

HOLDER

Leonard Abbotts, Bridgeport, Conn., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut

Application October 20, 1934, Serial No. 749,227
10 Claims. (Cl. 206—56)



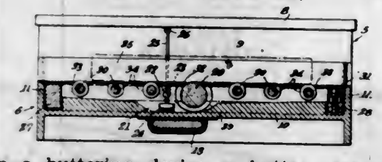
1. In a holder, a casing having an open end, a tubular member in and turnable relative to the casing having a longitudinally extending slot in a wall thereof, a carrier in said member movable longitudinally thereof toward and from the open end of the casing, means for causing such movements of the carrier on turning movements of the member in the casing, and said member having its portions at an edge of said longitudinal slot pressed inwardly into engagement with the carrier to prevent rattle and loose movement of the carrier in the member.

2,072,663

BREAD BUTTERER

Ben H. Bedford, Fayetteville, N. Y.

Application January 11, 1935, Serial No. 1,310
1 Claim. (Cl. 91—51)



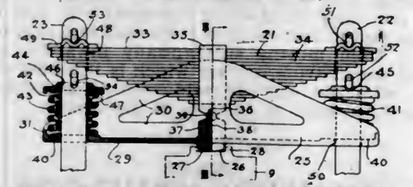
In a buttering device, a butter reservoir, a supporting frame in the reservoir, an applicator roller rotatably mounted in said frame and having its bottom portion in the butter in the reservoir, bread slice conveyor rolls rotatably mounted in said frame above the level of the butter in the reservoir, a slotted cover plate for said reservoir through which the upper portions of the applicator roller and conveyor rolls protrude, and means to elevate and lower the supporting frame to vary the degree of protrusion of said roller and rolls.

2,072,664

RAILWAY VEHICLE

Alfred W. Bruce, New York, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York

Application December 26, 1935, Serial No. 56,157
9 Claims. (Cl. 105—82)



9. In a railway vehicle, a wheeled axle; a load-supporting frame construction; a leaf spring having its central portion disposed over said axle and supported thereby; two helical compression springs disposed one at each end portion of said leaf spring; seating means, carried by said axle and extending therebeyond at each side thereof to each of said helical springs affording a seat therefor for supporting same at the bottom thereof; and hanger means, one at each said end portion of said leaf spring, supportingly connected at its lower end portion with said frame construction, and supportedly engaged by said springs, by supporting engagement of its upper portion by said adjacent helical spring at the top thereof and by supporting engagement by said end portion adjacent thereto of said leaf spring at the top thereof.

2,072,665

BLEACHING PROCESS

Donald J. Campbell and Le Roy P. London, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 25, 1934, Serial No. 745,452
13 Claims. (Cl. 8—2)

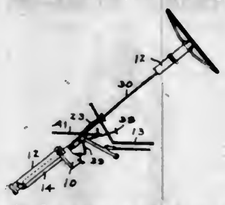
1. A process of bleaching animal fiber which comprises the steps of treating the unbleached fiber with a reducing agent, capable of evolving sulfur dioxide, then subjecting the fiber to the action of an acid solvent for the soluble reduced compounds resulting from the action of the reducing agent, and finally subjecting the fiber to the action of a dilute alkaline bleaching solution of hydrogen peroxide.

2,072,666

ACCELERATOR BRAKE CONTROL

William D. Cartwright, Indianapolis, Ind.

Application May 20, 1935, Serial No. 22,444
4 Claims. (Cl. 192—3)



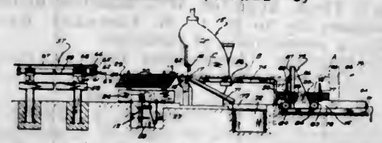
4. In a control system including a clutch shifting member, a brake applying member, and a throttle control member, the combination of means to retain said brake member in brake applied position, a member cooperating with said retaining means normally causing the retaining means to assume an operative retaining position, and throttle control member actuated means for removing said cooperating member from influence upon said retaining means.

2,072,667

ARTICLE PILER

James R. Coe, Watertown, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut

Application August 2, 1934, Serial No. 738,086
11 Claims. (Cl. 214—6)



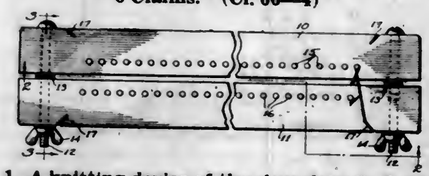
11. In combination, a table, means to push a casting across said table, means at the rear of the table to support the forward end of the casting after it leaves the table, said support being movable away from the table with the forward end of the casting until the rear end of the casting leaves the table and adapted to then release the casting, an abutment on said support to be engaged by the end of the casting to shift the support, and means whereby the support is automatically moved back to its original position to receive the next casting.

2,072,668

HAND KNITTING DEVICE

Bertina E. Eltgroth, Chicago, Ill.

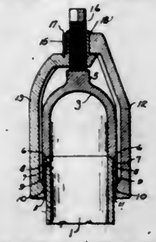
Application July 8, 1936, Serial No. 89,505
6 Claims. (Cl. 66—4)



1. A knitting device of the class described, comprising a pair of laterally spaced bars, longitudinal

rows of upstanding pins on the tops of said bars, means connecting said bars at their ends permitting adjustment of the width of the space between said bars, and spring means maintaining said bars in adjusted position.

2,072,669
RETURN BEND FITTING FOR OIL STILLS
Fred C. Fantz, Webster Groves, Mo.
Application December 8, 1931, Serial No. 579,707
7 Claims. (Cl. 285—20)

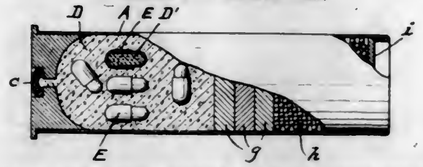


2. In a refinery apparatus, a return bend, a pair of shouldered tubes communicating therewith, a compound housing therefor, comprising complementary sections each adapted to partially encircle the ends of said tubes and to be locked to the shoulders on the tubes, detachable means mounted in said housing sections to hold said tubes and return bend in a tight joint, a sleeve on each of said tubes intermediate the shoulders on the tubes and the housing sections, the lower surface of the sleeves being undercut.

2,072,670
REDUCING DUSTING IN THE MANUFACTURE OF COATED PAPER
Louis C. Fleck, Appleton, Wis., assignor, by mesne assignments, to K. C. M. Company, Dayton, Ohio, a corporation of Delaware
No Drawing. Application June 29, 1934, Serial No. 732,994
10 Claims. (Cl. 92—40)

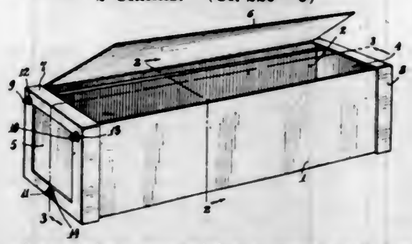
1. The process of preparing a substantially non-"dusting" paper, as part of a continuous paper making operation, which comprises applying to a heated, partially dried web a coating composition containing an adhesive liquid fraction and an insoluble solid fraction, the coating composition at the point of application being maintained at a temperature sufficiently low, and at a viscosity sufficiently high, to prevent separation of the liquid fraction from the solid fraction during the coating operation.

2,072,671
AMMUNITION AND PROPELLANT CHARGE THEREFOR
Willing B. Foulke, Media, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application October 30, 1934, Serial No. 750,623
11 Claims. (Cl. 102—13)



11. A propellant charge for guns comprising a mass of explosive comprising a portion of the total charge and a container formed from a combustible material embedded and freely movable within said mass of explosive and containing an explosive comprising another portion of the total charge.

2,072,672
CONTAINER
Max Frost, Brooklyn, N. Y.
Application August 21, 1935, Serial No. 37,138
2 Claims. (Cl. 229—6)



1. A container comprising a front wall and a rear wall and end walls and a bottom wall, said front wall and rear wall and said end walls being turnably connected to the bottom wall, said container having one-piece rectangular frames of L-shaped cross section which abut the ends of the outer surfaces of the bottom wall and the front wall and the rear wall and the end walls, rods connected to and located intermediate said frames, said rods being located sufficiently close to the inner surfaces of the front wall and the rear wall to prevent said front wall and said rear wall from moving substantially inwardly, said container having a cover which is turnably connected to the rear wall, said cover fitting between the inner edges of the tops of the frames.

2,072,673
SELF-CLEANING SANITARY COMB
Louis Greenspan, Brooklyn, N. Y.
Application March 12, 1936, Serial No. 68,394
7 Claims. (Cl. 132—19)



1. A self-cleaning sanitary comb comprising a comb body consisting of a back portion and a front tooth portion, a strip extending along one side of said back portion and hingedly connected at its outer edge with said back portion, said strip having teeth on its inner edge engaging between the teeth of said comb in the operative position of said comb, and resilient means for holding said strip plate against said back portion.

2,072,674
SUPERHEATER
Malcolm Hard, Hammond, Ind., assignor to The Superheater Company, New York, N. Y.
Application June 23, 1936, Serial No. 86,742
5 Claims. (Cl. 122—462)

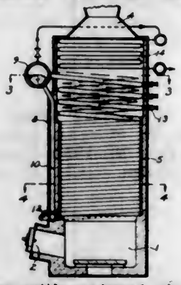
1. In a locomotive superheater of the type wherein tubular superheater elements located in horizontal rows of flues have their ends secured to a header having a row of chambers from alternate ones of which steam is delivered to the elements, and to the intervening ones of which the

elements deliver the steam after it is superheated, the elements being of two kinds, one being left and the other right, the steam inlet and outlet ends being reversed in one kind as compared with their order in the other kind, the elements of each horizontal row being so connected to the header that each chamber has two ends secured to it with the exception of each end chamber which each have only one end secured to it,



means to prevent an element of the kind opposite that required being used in any given position, said means comprising clamps irremovably placed on said elements and all in the assembled structure lying in one plane, each clamp engaging the two ends of its element, a plate adjacent to each end of the row of clamps, the plates and clamps being so shaped that only an element of the right one of the two kinds fits into any given place.

2,072,675
BOILER
Otto H. Hartmann, Kassel-Wilhelmshohe, Germany, assignor to Schmidt'sche Heissdampf-Gesellschaft, m. b. H., Kassel-Wilhelmshohe, Germany
Application March 24, 1936, Serial No. 70,589
In Germany April 18, 1935
4 Claims. (Cl. 122—250)

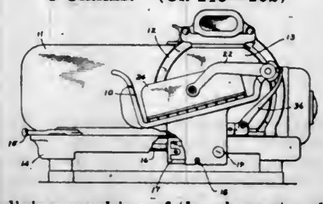


1. A coil boiler with natural circulation comprising a plurality of coils extending in parallel spirals along the inner walls of the combustion chamber of the furnace, a steam-and-water drum some distance above the furnace, a serpentine coil connecting the upper end of each spiral coil to the steam-and-water drum, each of said serpentine coils comprising straight tube lengths extending at substantially the same upward slope through the space above the combustion chamber and connected by means of substantially horizontal return bends, and downcomers connected to convey water from the steam-and-water drum to the lower ends of the spiral coils.

2,072,676
TUNGSTEN-BASE ALLOY
Alfred Jedele, Hanau-on-the-Main, Germany, assignor to W. C. Heraeus Gesellschaft mit beschrankter Haftung, Hanau-on-the-Main, Germany, a German company
No Drawing. Original application January 2, 1935, Serial No. 105. Divided and this application September 26, 1936, Serial No. 102,818
3 Claims. (Cl. 75—176)

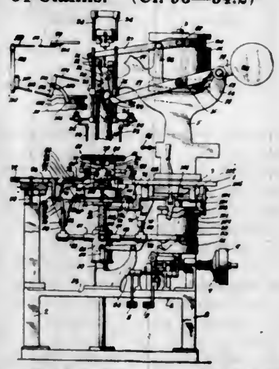
3. An alloy for points of gold nibs consisting of from 65% to 80% of tungsten, from 5% to 20% of a metal of the iron group, from 2% to 10% of ruthenium, and from 8% to 20% of platinum, the amount of the platinum being greater than the amount of the ruthenium.

2,072,677
FOOD HANDLING APPARATUS
Herbert L. Johnston, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application February 23, 1934, Serial No. 712,581
8 Claims. (Cl. 146—102)



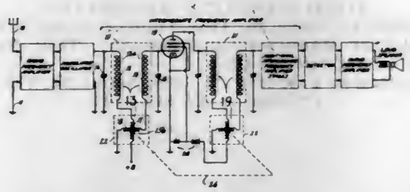
1. A slicing machine of the character described comprising a rotary knife, a work supporting carriage, means for mounting said carriage for reciprocating movement with respect to said knife, a pusher plate, means for mounting said pusher plate for longitudinal movement with respect to said carriage up to a position in close juxtaposition to the plane of said knife and providing for swinging movement of the pusher plate into and out of the carriage over substantially the entire longitudinal movement thereof, a shaft positioned beneath said carriage, a resilient torsional member having one end attached to said shaft and the opposite end fixed in said carriage, and connections continuously effective between said shaft and said pusher plate and passing around said carriage for urging said pusher plate toward said rotary knife.

2,072,678
METHOD AND APPARATUS FOR MAKING BOXES
Gideon R. Kreider, Jr., Lebanon, Pa.
Continuation of application Serial No. 625,584, July 29, 1932. This application December 26, 1934, Serial No. 759,155
34 Claims. (Cl. 93—54.2)



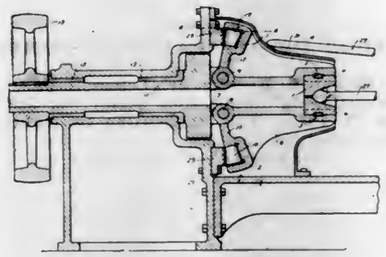
1. The method of mechanically assembling boxes having a laterally extending rim which includes, providing a wrap sheet, slitting the edges of said sheet to provide tab portions, and ironing said tab portions to said laterally extending rim by ironing pressure moving inwardly in a plane substantially parallel to the surface of said rim.

2,072,679
COUPLING SYSTEM
Walter Lyons, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application April 22, 1935, Serial No. 17,712
12 Claims. (Cl. 178—44)



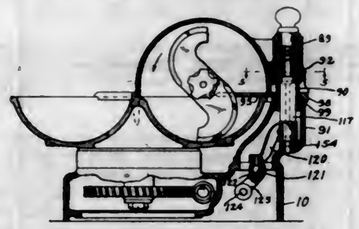
1. A band-pass selector system comprising two tuned circuits having fixed reactive coupling means and means for adjusting the width of the band of frequencies passed by the system symmetrically relative to the mean resonant frequency of said band comprising adjustable auxiliary reactive coupling means having a self-reactance which is equal to a small fraction of that of said fixed coupling means, and means for continuously adjusting the coupling of said auxiliary means over a relatively wide range without affecting self-reactance of said circuits, to vary the total coupling of the circuits over a substantially lesser range.

2,072,680
SWAGING MACHINE
Neal T. McKee, Bronxville, N. Y., assignor to The Superheater Company, New York, N. Y.
Application November 23, 1935, Serial No. 51,187
1 Claim. (Cl. 78—21)



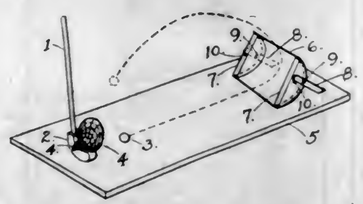
In a swaging machine, a stationary frame, a shaft mounted for rotation in the frame, two levers mounted on diametrically opposite pivot pins carried by said shaft and at right angles to its axis, said levers having one arm substantially at right angles to the axis of the shaft and the other arm substantially parallel to said axis, a roller on the end of the first arm of each lever, a cam ring mounted on the frame coaxially with the shaft and having a plurality of pairs of diametrically opposite cams arranged for engagement by said rollers, die blocks at the ends of the second arms of said lever, the second arms being of small dimension in a direction at right angles to said axis and extending a considerable distance from the pivots, whereby work can be inserted between the die blocks for operation without interference with any part of the machine by parts fixed to the work and lying closely adjacent laterally to the work.

2,072,681
FOOD HANDLING APPARATUS
David A. Mecker and John C. Slager, Troy, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application December 15, 1931, Serial No. 581,188
9 Claims. (Cl. 146—67)



1. In food handling apparatus of the character described, a drive motor having a motor switch, a receptacle, a cover movable to closed position over said receptacle, a latch rotatably carried by said cover, said latch having a projecting end portion movable to latched or unlatched position, a fixed latch receiving member, said receiving member having an opening shaped to pass the projecting end portion of the latch when in unlatched position, and a latch actuated member, said actuated member having a notch for reception of said projecting end portion upon insertion through the receiving member for movement of the actuated member, and an interlock for said motor switch operated by movement of said actuated member.

2,072,682
GAME OF SKILL
Charles W. Morgan, Chicago, Ill.
Application July 29, 1932, Serial No. 625,973
1 Claim. (Cl. 273—96)



In game apparatus, a hand-implement comprising a shaft or handle, a curved head, a hoop and a flexible open-mouthed net or bag, the said net being attached to the hoop in a manner to retain the mouth of the net in the open position, the hoop being affixed to a curved portion of the head and the head being affixed to one end of the shaft and fashioned to a shape which provides oppositely-disposed faces so that either a right-handed or left-handed player may effectively contact a ball.

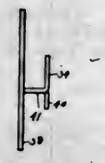
2,072,683
FINGER POINTER AND NAIL PROTECTOR
Paula Niedorff, New York, N. Y.
Application January 6, 1936, Serial No. 57,802
4 Claims. (Cl. 128—77)

1. In a finger pointer and nail protector, a resilient sheet member of substantially conical shape open at the apex end and along one side, whereby the member may be engaged on a finger with the open side on the palm side of the fingers,



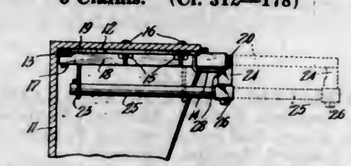
and a pad adjustably mounted upon the inside of said member on the apex end including dovetailed tongues attached on the pad and engaging dove-tailed grooves in said member.

2,072,684
BUILDING CONSTRUCTION
John S. Raynor, Holmesburg, Pa.
Original application May 23, 1931, Serial No. 539,456. Divided and this application May 19, 1933, Serial No. 671,833
5 Claims. (Cl. 72—118)



1. In a device of the character described, a fish plate consisting of a base member, a plurality of hooks projecting from said base member on one side thereof with the shanks of all of said hooks in a straight line and the tangs of some of said hooks projecting in one direction and the tangs of the remainder of said hooks projecting in the opposite direction, a screw having threaded connection with said base member, a clamping member having openings to register with some of the hooks and also provided with a key hole for registration with the screw whereby the clamping member may be projected over the hooks and moved into a position to permit the head of the screw to draw the clamping member tightly against objects between the two members, and means on the clamping member to penetrate the objects between the two members.

2,072,685
GARMENT SUPPORT
Gus Richter, New York, N. Y.
Application February 3, 1936, Serial No. 62,053
8 Claims. (Cl. 312—178)



6. A garment support as characterized comprising a rail pivoted at one end, an arcuate cross-rod underlying said rail near its other end upon which said rail may be swung, a sliding member extensible from said rail, said sliding member providing a depending portion adapted to be on the outside of the cross-rod, and a rod pivoted to the underside of said depending portion for receiving hangers and the like, and a hook also carried by the sliding member near its inner end for affording another support for said rod.

2,072,686
COMPOSITION OF MATTER AND METHOD OF MAKING THE SAME
Thomas Robinson, Smithtown, N. Y., assignor to Lancaster Processes, Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 16, 1935, Serial No. 54,714
10 Claims. (Cl. 106—31)

1. A composition of matter comprising a bituminous binding medium, natural wood fibres distributed therethrough substantially uniformly and homogeneously in the form substantially of relatively long individual fibres having a large amount of fibrillae thereon, said fibres being interlaced and coated and bound together by said binding medium, and a polyvalent alkaline substance present, at least in part, in combination with the lignin derived from said fibres and forming therewith water-insoluble compounds.

2,072,687
MANUFACTURE OF PLASTIC MATERIAL
Thomas Robinson, Smithtown, N. Y., assignor to Lancaster Processes, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 29, 1936, Serial No. 61,319
10 Claims. (Cl. 106—31)

1. A composition of matter which comprises a bituminous binding medium and water combined to form an emulsion in which the binding medium is in the continuous phase and the water in the disperse phase, a substance effective to stabilize said emulsion distributed therethrough, and paper stock disintegrated to the form substantially of individual fibres distributed substantially uniformly and homogeneously through said emulsion, said fibres being interlaced and coated and bound together by said binding medium.

2,072,688
GOLF-BALL TEE
William H. Rose, Jersey City, N. J.
Application October 1, 1936, Serial No. 103,479
5 Claims. (Cl. 273—33)

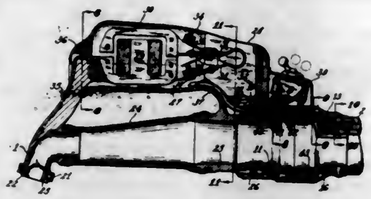


1. In a golf-ball tee, a body portion formed of sheet material having a centrally positioned opening and a plurality of bending lines extending across the face of the body portion terminating in the edges thereof and forming a bendable portion the terminal portions of which converge with respect to each other.

2,072,689
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 5, 1933, Serial No. 669,480
22 Claims. (Cl. 15—13)

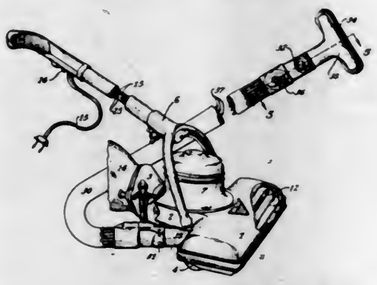
8. In a dusting tool nozzle unit for use with an electric suction cleaner including suction-

creating means and an elongated dusting tool hose connected at one end to said cleaner and interiorly connected to said suction-creating means, and means to convey power to the end of said hose; a nozzle unit at the opposite end



of said hose including surface-contacting portions and a handle, means mounting the surface-contacting portions of the nozzle for movement relative to the handle and the handle being fixed relative to said hose, and means to vibrate the surface-contacting portions of said nozzle.

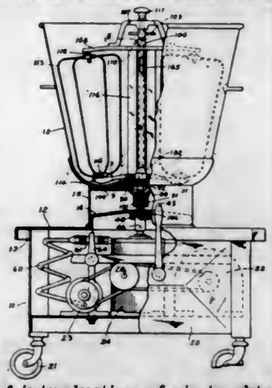
2,072,690
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 30, 1933, Serial No. 704,621
23 Claims. (Cl. 15—9)



1. In a suction cleaner, a movable cleaner unit adapted for on-the-floor cleaning including a driving motor having a high speed and a low speed circuit, a removable member forming a part of the body of said cleaner when used in on-the-floor cleaning and serving to prevent the attachment of a dusting tool unit and including means to close one of said circuits, said cleaner unit being adapted to be connected to a dusting tool unit for off-the-floor cleaning with said member removed.

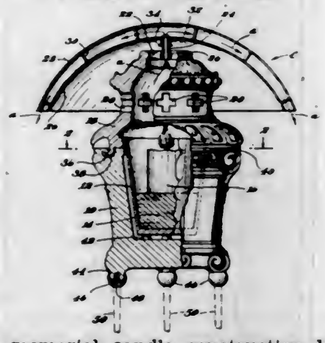
2,072,691
AERATING APPARATUS
Rawson E. Stark, Carnegie, Pa., assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application December 26, 1933, Serial No. 703,926
21 Claims. (Cl. 99—60)

1. The method of preparing whipped cream which comprises the steps of aerating the liquid cream by the introduction of air in finely divided streams of bubbles thereinto to produce a preliminary whipping action, and continuing the introduction of the air streams into the cream to complete the whipping thereof while simultaneously stirring the same at a rate coordinated with



the rate of introduction of air to obtain a cream having predetermined characteristics.

2,072,692
MEMORIAL CANDLE
Saverio Della Valle, Brooklyn, N. Y.
Application July 7, 1934, Serial No. 734,108
5 Claims. (Cl. 67—21)

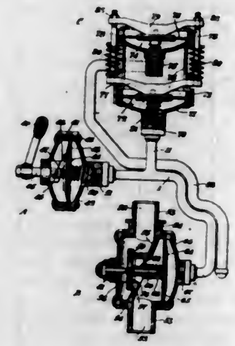


1. A memorial candle construction having a receptacle adapted to receive and to completely surround a candle, said receptacle comprising a base and a cover, a seat for said cover on said receptacle base, a hook-like extension on said cover, an undercut recess in said seat on said receptacle base adapted to receive said extension, whereby said cover may be mounted on said receptacle base in removable hinged relation and complementary means carried by said cover and by said receptacle base and cooperating with said hinged construction to hold said cover in place.

2,072,693
HYDRAULIC CONTROL APPARATUS
George Rudolph Volkert, London, England, assignor of one-half to Automotive Products Company Limited, London, England
Application February 23, 1934, Serial No. 712,679
In Great Britain February 23, 1933
1 Claim. (Cl. 60—54.5)

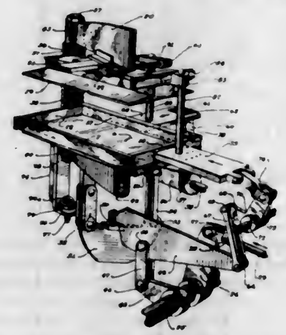
A hydraulic system for the transmission of force to a remote point comprising a liquid-filled force transmission line having at one point operating means for applying pressure to the liquid in the line and at another point operable means responsive to pressure variations in said line,

means connected to said line for changing the volumetric capacity thereof, a closed liquid-filled auxiliary line independent of said operating and operable means, said auxiliary line being positioned alongside said force transmission line and



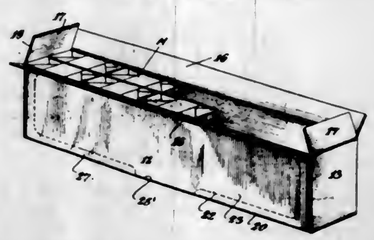
being substantially co-extensive therewith, and a pressure sensitive element in said auxiliary line connected to said capacity changing means to actuate the same in response to temperature variations in said line.

2,072,694
BELLY PRESS
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application March 24, 1933, Serial No. 662,496
29 Claims. (Cl. 100—57)



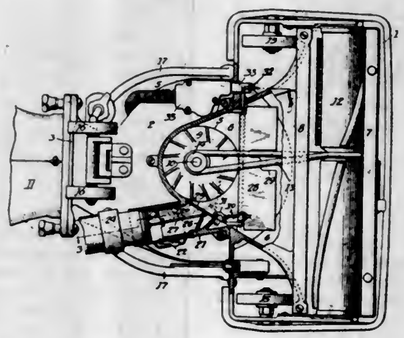
11. In a press having a stationary bottom die plate, depressible side-resisting and end-resisting plates, slidable side-pressing and end-pressing plates, and a top-pressing plate, each of said side and end plates and said top-pressing plate being in operative relation with said stationary plate; a common operating mechanism including a float lever, means operatively connected with the floating lever and actuated by the same during a single operation of said mechanism for effecting movement of said pressing plates and two sets of stops, one of which sets is associated with one of the pressing plates and a stationary part of the press, the other of which sets is associated with another of the pressing plates and a stationary part of the press, each of which sets is constructed so as to provide a positionable stop member.

2,072,695
MERCHANDISING CONTAINER
Charles P. Wellman, West Medford, Mass.
Application July 2, 1932, Serial No. 620,563
1 Claim. (Cl. 206—44)



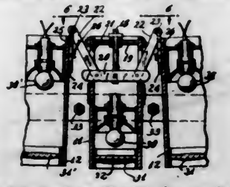
A combination shipping display and dispensing container comprising a unitary blank having a rectangular bottom portion provided with end flaps, complementary side wall portions also provided with end flaps, and a top portion embracing inturned end flaps each integral with another end flap of the container, and longitudinally extending side flaps coextensive in length with the length of the container and adapted when closed to completely shut the top wall of the container, the said top wall when opened giving free access to the container throughout the length thereof for filling said container, one of said complementary side walls having a removable section extending substantially throughout the length of the container, said removable section having a portion thereof that extends from the bottom wall to the top wall of the container and the remaining portion of said removable section being substantially narrower than the side wall of the container.

2,072,696
SUCTION CLEANER
Uncas A. Whitaker, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 30, 1933, Serial No. 704,636
12 Claims. (Cl. 15—9)



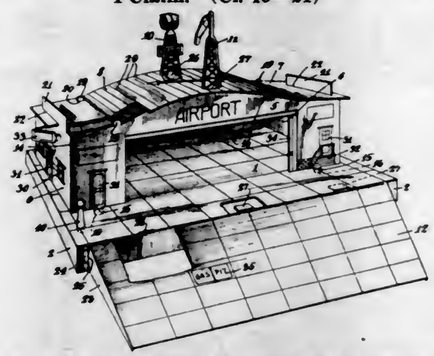
1. In a suction cleaner, suction-producing means, means to vary the suction produced by said suction-producing means, an air inlet, a second air inlet, means to connect selectively said inlets to said suction-producing means, and a single means to actuate said suction-varying means and said connecting means in a predetermined relationship.

2,072,697
MULTIPLE HEADLIGHT FOR VEHICLES
Willoughby Woodward, New York, N. Y.
Application July 21, 1936, Serial No. 91,647
2 Claims. (Cl. 240—7.1)



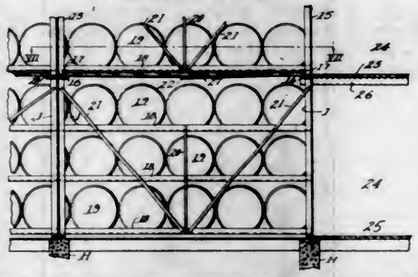
1. In a multiple headlight for vehicles, a body, a central lamp element fixed on said body, auxiliary lamp elements on each side of said central lamp element and pivotally mounted on said body, a transverse bar having its ends slidably engaged through slots in the sides of said central lamp, an operating stem mounted on said transverse bar and slidably mounted through one end of said central lamp to control the movement of said transverse bar, links having one of their ends pivotally connected on the extended ends of said transverse bar, and members adjustably mounted on the sides of said auxiliary lamp elements to be capable of assuming various positions and pivotally connected with the other ends of said links, whereby said members may be adjusted to different positions on said auxiliary lamp elements to change the relative angular position of said lamp elements in relation to said central lamp element permitting said stem to be used to move said transverse bar and pivot said auxiliary lamp elements in all the adjusted positions thereof.

2,072,698
TOY BUILDING
Oliver B. Andrews, Chattanooga, Tenn.
Application April 22, 1935, Serial No. 17,649
1 Claim. (Cl. 46—21)



A toy building assembly including in combination, a box having a bottom wall and surrounding flanges which provide a raised base for the erected superimposed building structure and a container for the building structure when collapsed, said building structure including a plurality of vertical building wall sections adapted to be detachably connected to said base, said vertical wall sections comprising a side wall having hingedly connected end walls adapted to collapse thereon so as to fit within the container, said end wall top portions being formed with extensions of substantially the same width as the end walls and a separate side wall adapted to be detachably connected to the collapsible end wall portions, each of said side walls being formed with an arched portion intermediate the ends thereof; a roof detachably supported upon the vertical wall sections comprising two substantially horizontal end portions and an intermediate arched portion, the arched portion of the roof having a plurality of transversely extending score lines permitting said portion to be arranged in arch formation conforming to the arched contour of the side walls of the building, the horizontal end portions of the roof being provided with slits to receive the extensions formed on the top portions of the building end walls, a ramp including an inclined floor portion leading to the raised base upon which the building is erected, said ramp being of substantially the same width as the length of the raised base, means for detachably securing said ramp to the base comprising closed slots in one of the flanges of the raised base and tabs intermediate the side edges of the ramp insertable in said slots, and cooperating slits and tabs associated with said building walls and said base for removably securing said building walls in erect position thereon, said tabs being of slightly greater thickness than the width of said slits so that the side of said slits will be frictionally gripped by the material surrounding said slits.

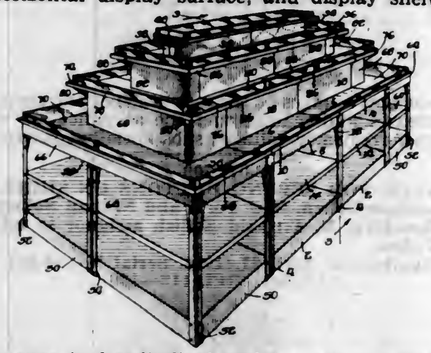
2,072,699
METALLIC STORAGE RACK FOR BARRELS
Harry R. Ansel, Columbus, Ohio
Application April 5, 1934, Serial No. 719,160
Renewed December 31, 1936
4 Claims. (Cl. 211—71)



3. A metallic barrel storage rack comprising vertically extending pairs of front and rear corner posts, vertically spaced substantially horizontally extending angle rails secured at their ends to the corner posts, said rails being disposed in complemental pairs spaced transversely so that the substantially horizontally extending flanges thereof will receive and support the ends of the barrels positioned thereon, and suspension braces directly connected with said corner posts and with intermediate portions of said angle rails, whereby to strengthen the load supporting properties of the angle rails between their points of connection with said corner posts.

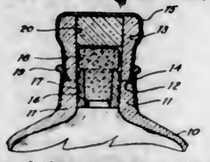
2,072,700
DISPLAY STAND
James E. Bales, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application March 18, 1935, Serial No. 11,572
5 Claims. (Cl. 211—128)

4. A multi-unit display stand comprising a pair of intermediate sections arranged in back to back relation and one or more end sections equal in length to the combined width of the pair of intermediate sections, each intermediate section comprising a horizontal display surface, and display shelves arranged in transverse stepped relation to said surface, each end section comprising a horizontal display surface, and display shelves



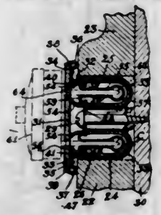
arrange in longitudinal and transverse stepped relation to said surface whereby a continuous horizontal display surface and continuous horizontal display shelves are formed upon juxtaposition of the intermediate and end sections.

2,072,701
BOTTLE LOCK
Lester P. Barlow, Stamford, Conn.
Application August 8, 1934, Serial No. 738,953
4 Claims. (Cl. 215—32)



1. In a bottle of the class described, a neck arranged to be severed along a predetermined section, the portion of the neck above said section being bound by a shatter proofing covering whereby it may be struck when it is desired to sever the neck, without the attendant danger of flying glass particles, and a covering element maintained in position to slip over the severed section of the remaining neck so as to protect the user of the bottle against injury.

2,072,702
ELECTRICAL OUTLET DEVICE
Charles G. Beersman, Evanston, Ill.
Application April 16, 1934, Serial No. 720,751
11 Claims. (Cl. 247—3)



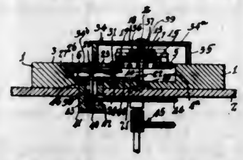
1. In an elongated electrical conductor housing having a conductor therein adapted to be engaged by a prong of a standard electrical fitting, means for accommodating said housing to a groove in a wall or the like of a depth shallower than the full depth of said housing, said means comprising outwardly extending flanges along the side edges of said housing and including rearwardly extending beads of sufficient size to contact the face of the wall or the like when the housing approaches the bottom of the groove to position said housing in said groove.

2,072,703
ELECTRICAL OUTLET DEVICE
Charles G. Beersman, Evanston, Ill.
Application November 24, 1934, Serial No. 754,663
13 Claims. (Cl. 247—3)



1. An assembled electrical outlet unit comprising a housing, a conductor in said housing, said housing including means providing for electrical connection with said conductor, a block of insulating material disposed at one end of said housing, said block and housing being constructed and arranged to lock said block against longitudinal movement in one direction, a terminal carried by said block and adapted to receive and make electrical connection between the conductor in said housing and the conductor of an adjacent unit.

2,072,704
ESCAPEMENT CONSTRUCTION
Frederick Better, Los Angeles, Calif.
Application October 30, 1934, Serial No. 750,661
9 Claims. (Cl. 58—104)



1. In an escapement construction, the combination of an escapement housing having a body in the form of a block with a chamber therein to receive the escapement mechanism, a complete escapement mechanism carried by said block, and a cover seating on said body over said chamber and having a chamber receiving parts of the escapement mechanism and cooperating with said block to form a casement for the said escapement mechanism.

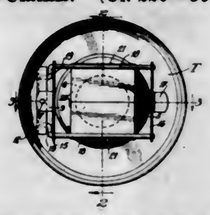
2,072,705
HEARING TESTING
John L. Bloomheart, Toledo, Ohio, assignor to Martha F. McKesson, Toledo, Ohio
Application July 17, 1935, Serial No. 31,810
5 Claims. (Cl. 179—1)



1. Hearing testing apparatus comprising a source of variable frequency electric current, means for controlling the frequency of said cur-

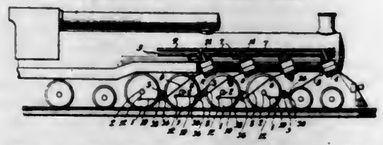
rent, volume control means for said current, an indicator associated therewith, and rotary record-effecting means coupled to said indicator.

2,072,706
CLOSURE FOR REFUSE RECEIVERS
Byron F. Bower, St. Charles, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application July 31, 1936, Serial No. 93,542
5 Claims. (Cl. 220—36)



1. For an ash receiver having an apertured top, a bracket depending from the top, a push rod slidably mounted in the bracket, a channeled head bar carried by the rod, a pair of crank pins slidably connected with the head for operative concurrent but opposed movement, a pair of supports for the crank pins, one connected with the bracket, and a pair of plates with meeting edges extending across the top aperture, each plate being mounted on one crank pin for swinging movement therewith.

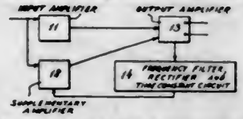
2,072,707
LOCOMOTIVE
Virginius Z. Caracristi, Bronxville, N. Y., assignor to The Superheater Company, New York, N. Y., a corporation of Delaware
Application August 11, 1936, Serial No. 95,475
10 Claims. (Cl. 105—120)



7. In a locomotive, the combination of a plurality of axles each mounted in bearings and having driving wheels at its opposite ends, an auxiliary crank shaft associated with each pair of driving wheels and mounted in bearings and all lying parallel to and in the same horizontal plane with the axles, a crank pin on each of the wheels, a double-pin crank on each end of each auxiliary crank shaft, a rod connecting each wheel crank pin to one of the pins of the corresponding double-pin crank of its associated crank shaft, a cylinder for each double-pin crank mounted rigidly relatively to the crank shaft at right angles to it and with its axis inclined to the horizontal and intersecting the axis of the crank shaft, a cross-head for each cylinder, and a connecting rod from each cross-head to the second pin of its double-pin crank, the two pins of each double-pin crank subtending an angle equal to that at which the cylinders are inclined to the horizontal.

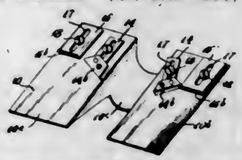
2,072,708
AMPLIFICATION CONTROL
Nelson Perry Case, Bayside, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J., a corporation of Delaware
Application August 4, 1934, Serial No. 738,494
18 Claims. (Cl. 179—171)

18. In an amplifier system, the method of amplifying voltages of frequencies within a wide band, which includes simultaneously and automatically augmenting the amplification of low-



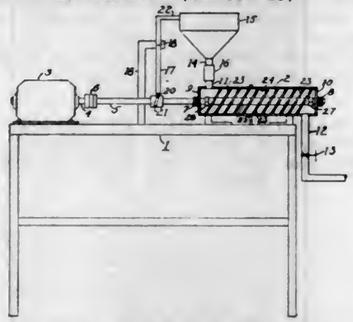
frequency voltages as the amplitude of the signal decreases and maintaining the amplification of higher frequency voltages substantially constant.

2,072,709
GAUGE FOR SEWING BUTTONS ON SHIRTS
Theodore Cohen, New York, and Nathan Sollish, Brooklyn, N. Y.; said Sollish assignor to said Cohen
Application April 27, 1936, Serial No. 76,563
5 Claims. (Cl. 112—136)



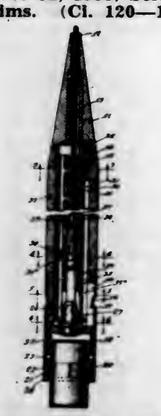
2. A guide for sewing buttons on shirts of button-down collars, comprising a body for association with a button sewing machine and adapted to support the collar corner of a shirt, a guide element angularly adjustably mounted on said body and adapted to guide the positioning of the base angle of the point of the collar of said shirt, and a guide element adjustably mounted on said body and adapted to guide the positioning of the edge of the shirt material adjacent said base angle, means for fixedly holding said guide elements, and means for simultaneously releasing said holding means.

2,072,710
COLLOIDAL MILL
Frank G. Crane, Montague, Mich., assignor to Frank G. Crane, Jr., Montague, Mich.
Application July 24, 1935, Serial No. 32,893
19 Claims. (Cl. 83—13)



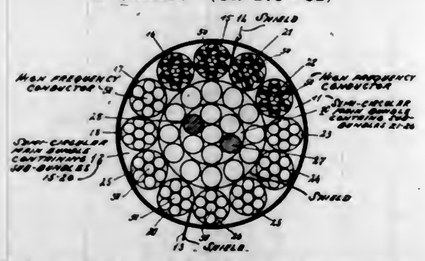
1. In a machine of the class described, the combination with a supporting frame, of a drum mounted on said frame near one end thereof, a motor mounted on said frame near the other end thereof, the drum having end closures and an upper inlet near one end and a lower outlet near the other end, a shaft journalled to said end closures and coupled to the shaft of said motor, a plurality of inclined disks arranged in spaced parallel relation on said shaft within the drum and having peripheral teeth slidably coacting with the inner surface of the drum, and a hand valve associated with said drum outlet.

2,072,711
MECHANICAL PENCIL
William R. Cuthbert and William H. Lindemon, Fort Madison, Iowa, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application August 31, 1935, Serial No. 38,672
5 Claims. (Cl. 120—18)



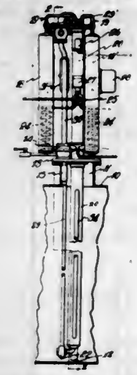
1. A writing instrument of the character described comprising a casing, a longitudinally grooved guide tube fixed against rotation relative to and within said casing, a spirally slotted sleeve rotatably mounted within said tube, lead engaging means within said sleeve for engagement with both the groove and the spiral slot for feeding the lead longitudinally upon relative rotatable movement between the tube and sleeve, a rotatable cap detachably carried by said casing, and a pin of polygonal cross section carried by said detachable cap, said sleeve having a polygonal end opening for slidably receiving said pin into an operative relation in which rotation of said cap will impart rotation to said sleeve.

2,072,712
COMMUNICATION CABLE
Ernst Fischer, Berlin-Lichterfelde, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application November 23, 1933, Serial No. 699,330
In Germany July 5, 1933
3 Claims. (Cl. 173—81)



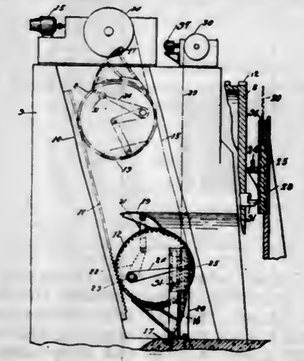
1. Long distance cable for the transmission of low and high frequency currents in four-wire circuit connection, said cable containing a plurality of adjacently located main conductor bundles including high and low frequency conductors, of which bundles at least one contains the conductors of one communication direction and at least one other the conductors of the opposite communication direction, said main conductor bundles being divided each into a plurality of sub-bundles, each of said sub-bundles containing a desired number of conductors for the high frequency currents arranged in the sub-bundle symmetrically with respect to the low frequency current conductors, contained in the sub-bundle, so that a high frequency conductor in a sub-bundle has only low frequency conductors located adjacent to it.

2,072,713
METHOD OF AND APPARATUS FOR HEATING AND VAPORIZING LIQUIDS
Clyde H. Folmsbee, Berwick, and Henry W. Le Boutillier and Fred. Hess, Tredyffrin Township, Chester County, Pa.
Application January 2, 1934, Serial No. 704,910
20 Claims. (Cl. 257—1)



1. In a device of the character described, in combination, a containing system for a heat-transferring medium, means for adding heat to said medium at a plurality of spaced portions of said system, said system having a surface spaced from said portions and adapted for removing heat from said medium, and means adapted for controlling the addition of heat whereby heat is added to only one portion of said system at any one time.

2,072,714
ROLLER DAM STRUCTURE
Percy E. Hunter and Louis E. Endsley, Pittsburgh, Pa., assignors, by direct and mesne assignments, to Hunter Steel Company, Neville Island, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 2, 1936, Serial No. 57,124
5 Claims. (Cl. 61—22)



1. The combination with a weir drum and means for supporting it for upward and down-

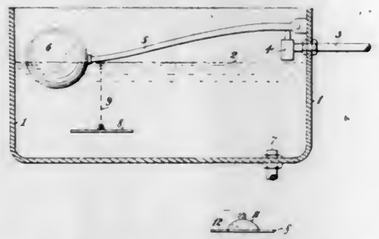
ward movement, of a flap pivotally mounted on the drum, for raising and lowering movements thereon, a crank device on the drum, having connection with the flap to operate the same during relative movements of the crank and the drum, and a stop element positioned to be engaged by the crank device while the drum is moving through a portion of its path of movement, to thereby prevent movement of the flap relative to said stop element, during travel of the drum through said portion of its path.

2,072,715

MEANS FOR OBVIATING WATER HAMMER IN SERVICE PIPES

George Jessop, Ingle Nook, Gomersal, near Leeds, England

Application March 16, 1936, Serial No. 69,150
In Great Britain March 22, 1935
1 Claim. (Cl. 137—104)



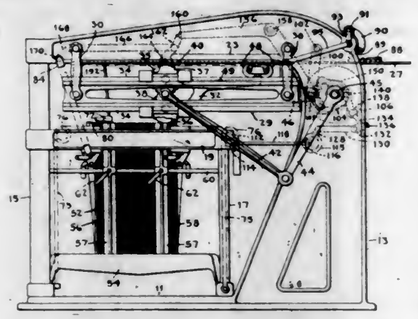
Means for obviating water hammer in service pipes supplying cold water to a cistern by means of a ball cock, comprising in combination a disc of relatively light weight material, an upstanding boss in said disc to form an air chamber on its underside, and a chain attached by its one end to the disc and at its other end to the ball cock lever near the ball, the said chain being of such a length as to ensure that the disc is always below the level of the water in the cistern, as set forth.

2,072,716

PRINTING PRESS

Theodore Loew, Brooklyn, N. Y.

Application August 24, 1933, Serial No. 686,585
21 Claims. (Cl. 101—252)



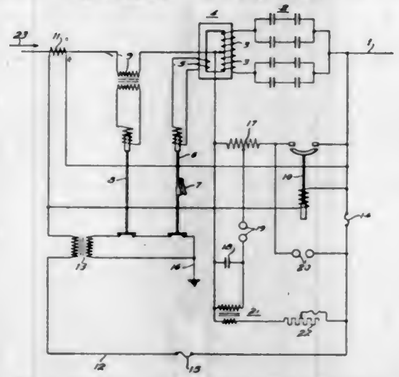
1. An offset printing press including an impression receiving roller; means for holding a stack of paper; means for moving the roller into contact with the top sheet of the stack and across the sheet to print the impression on said sheet; and means for removing the top sheet from the stack after each printing operation.

2,072,717

PROTECTIVE DEVICE FOR CAPACITORS

Ralph E. Marbury, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 26, 1935, Serial No. 42,182
15 Claims. (Cl. 175—294)



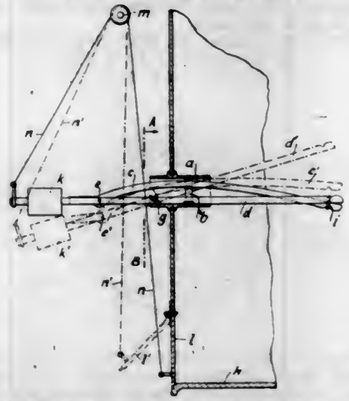
2. In a system of electrical transmission and distribution, a capacitor energized by alternating currents of variable magnitude, an electric discharge element having the characteristic of passing negligible current at impressed voltages below a predetermined value and of becoming freely conducting at impressed voltages in excess of said predetermined value, a transformer energized in accordance with an electrical condition of said capacitor for impressing voltage of variable magnitude on said discharge element, and means responsive to current flow through said discharge element for deenergizing said capacitor.

2,072,718

AUTOMATIC DISCHARGE DEVICE FOR ROASTERS

Pierre Munsch, Guebwiller, France

Application September 29, 1936, Serial No. 103,145
In Germany August 31, 1935
3 Claims. (Cl. 34—5)



1. An automatic discharge device for roasters, comprising a pair of scissors arranged to penetrate over a certain distance through an opening inside the roaster container, the scissors being pivotally mounted by one of the shanks to the container wall, so that the scissors remain normally open, a binding means engaging the ends of the shanks inside the container to hold the scissors closed, said binding means being adapted to release the shanks when a determined temperature is reached in the roaster container, a discharge flap provided in the container wall, a connection between the discharge flap and one shank of the scissors, the arrangement being such that the opening of the scissors causes the opening of the discharge flap.

2,072,719

SLOW-BURNING POWDER FOR FUSES, ETC.

David E. Pearsall, Pittsburgh, Pa., assignor to The Ensign-Bickford Company, a corporation of Connecticut

No Drawing. Application May 10, 1935, Serial No. 20,889
2 Claims. (Cl. 52—17)

1. A slow-burning powder composition, consisting of black powder modified by the addition of titanium dioxide.

2,072,720

SLOW-BURNING POWDER FOR FUSES, ETC.

David E. Pearsall, Pittsburgh, Pa., assignor to The Ensign-Bickford Company, a corporation of Connecticut

No Drawing. Application September 11, 1936, Serial No. 100,383
2 Claims. (Cl. 52—17)

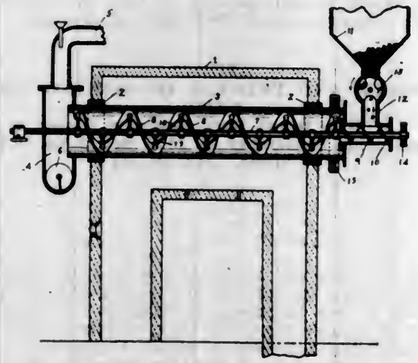
1. A slow-burning powder composition consisting of black powder modified by the addition of a metal sulphate of a group that consists of barium and lead.

2,072,721

LOW TEMPERATURE CARBONIZATION

Edward Rahm, Pittsburgh, Pa., assignor to Albert M. Barr, Pittsburgh, Pa.

Application February 1, 1935, Serial No. 4,486
2 Claims. (Cl. 202—12)



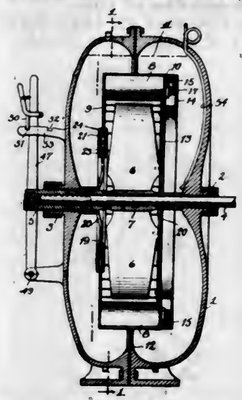
1. The herein described method of effecting the low temperature carbonization of coal to produce therefrom coke and volatiles in a tubular retort of short length which comprises feeding the coal in particulate condition to an exteriorly heated tubular retort containing with slight clearance a centrally open spiral propeller, slowly revolving the retort in that angular direction in which the spiral propeller by virtue of the direction of its spiralling must revolve in moving coal from the receiving end of the retort to the delivery end of the retort, propelling the coal through the retort in a series of frequently recurrent propulsion periods of substantially uniform duration by recurrently revolving the centrally open spiral propeller in the retort in the direction of revolution of the retort at an angular speed substantially exceeding the angular speed at which the retort revolves, recurrently agitating the coal transversely to the axis of the retort without advancement of the coal and with passage of coal rearwardly through the blades of the ribbon propeller by stopping the revolution of the ribbon propeller throughout agitating periods of substantial and approximately uniform duration while continuing revolution of the retort, and throughout the continuance of the process maintaining such uniform periodicity that the recurrent agitation periods exceed the recurrent propulsion periods adequately to effect approximate devolatilization of the coal in passage of the coal through the retort.

2,072,722

HYDRAULIC TRANSMISSION

Guillermo Solomon, Santiago, Dominican Republic

Application June 17, 1936, Serial No. 85,719
7 Claims. (Cl. 74—293)



1. A hydraulic transmission including a stator, drive and driven shafts projecting into the stator, a rotary impeller on the drive shaft, an external gear wheel on the driven shaft, a rotor around the impeller, an internal gear wheel on the rotor, pinions connecting the internal and external gear wheels, a disk secured to the impeller, a brake drum on the disk, and centrifugally operated brake shoes on the rotor adapted to engage the brake drum, said disk and external gear wheel having central openings to admit fluid to the center of the impeller and said stator having a central internal web which deflects the fluid thrown inwardly by the impeller after passage through the rotor.

2,072,723

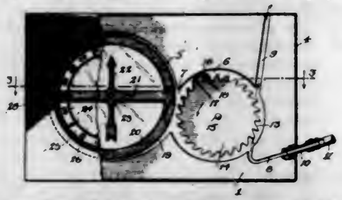
GAME

Henry J. Stitt, New York, N. Y., assignor to H. F. Eldridge Inc., New York, N. Y.

Application March 7, 1936, Serial No. 67,572
8 Claims. (Cl. 88—26)

1. A slide apparatus comprising a casing having transparent side members, a wheel freely rotatable between said side members, an annular scale arranged on one of the side members and concentric with said wheel, said wheel being provided with a cross bar, means extending through

said cross bar for rotatably mounting said wheel, a pointer carried by said cross bar, said pointer being positioned so that the end thereof will pass over said graduations, an impeller adapted to rotate said wheel, said impeller being provided



with a number of tangentially arranged teeth and a projecting bumper extending outwardly far enough to strike said wheel upon each rotation of the impeller to cause the wheel to rotate, and means for directing air against said teeth to cause said impeller to rotate.

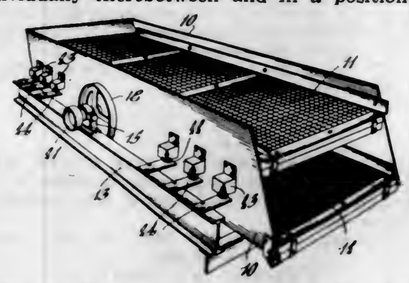
2,072,724
NECKTIE
Jack Weisbaum, Cincinnati, Ohio, assignor to The Weisbaum Bros. Brower Company, Cincinnati, Ohio, a corporation of Ohio
Application February 27, 1935, Serial No. 8,507
3 Claims. (Cl. 2—145)



3. In combination a necktie body and lining with loose stitching connecting said body and lining, clasping means mounted on said loose stitching, said clasping means having a portion formed as an eyelet with the loose stitching passing through said eyelet.

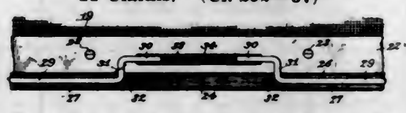
2,072,725
SHAKING SCREEN
William Louis Wettlaufer, Buffalo, N. Y., assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio
Application April 30, 1932, Serial No. 608,436
1 Claim. (Cl. 209—326)

The combination of a live screen frame, a stationary frame, a rotary supporting shaft for said live frame arranged substantially centrally and transversely thereof for balancing it and journaled at its ends in said stationary frame, connections between said shaft and live frame for positively gyrating the latter in circular paths, means on said shaft for counter-balancing said gyrating connections, rows of coil springs disposed lengthwise in independently mounted relation between said live frame and said stationary frame and on opposite sides of said shaft, whereby the end portions of said live frame are yieldingly supported in both horizontal and vertical directions, and abutment elements applied to said frames, respectively, for receiving the springs individually therebetween and in a position at



substantially right angles to the screening surface of the live frame, the upper ends of said springs acting on said live frame on a longitudinal line substantially intersecting the axis of said shaft.

2,072,726
LATCH
Minas Yartyan, New York, N. Y.
Application March 18, 1936, Serial No. 69,459
11 Claims. (Cl. 292—37)



4. In a latch, latch members supported for movement into and out of latching position, a tubular coupler constituting a handle slidably and turnably connected with said latch members, a coil compression spring within said handle acting on said latch members to urge them into their latching position, and means fixed in relation to said latch members to cooperate therewith, as the handle is manipulated, to thereby move the latch members out of their latching position.

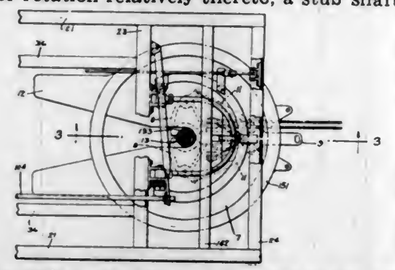
2,072,727
INSOLE AND PROCESS OF MAKING THE SAME
William Henry Bain, Lewiston, Maine
Application September 11, 1935, Serial No. 40,067
5 Claims. (Cl. 36—44)



3. A reinforced insole comprising an integral body having the contour of the complete sole and being of less thickness throughout its forepart and of greater flexibility than elsewhere, and an inextensible reinforcing sheet temporarily attached to the face of the thin forepart which is exposed inside the finished shoe, whereby it may be stripped from the insole after the lasting operation.

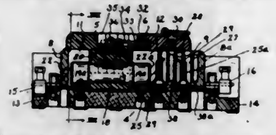
2,072,728
TRAILER HITCH
Harold A. Cederstrom, Minneapolis, Minn., assignor to Rosco Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application July 10, 1933, Serial No. 679,643
12 Claims. (Cl. 180—14)

1. A semi-trailer comprising a frame provided with rear carrying wheels and having a mechanism thereon adapted to be driven, a fifth wheel member at the forward end of the trailer frame comprising a king pin adapted to be coupled to the fifth wheel member of a truck, a shaft rotatably mounted in said king pin and having an operative connection with the driven mechanism on the trailer, a gear box supported by and depending from said king pin and adapted for rotation relatively thereto, a stub shaft in



said gear box operatively connected to the shaft within said king pin, and a drive shaft for connecting said stub shaft to the power take-off shaft of the truck engine whereby the driven mechanism on the trailer may be operated by the truck engine, said king pin and gear box being connected together as a unit and forming a part of the trailer fifth wheel member, whereby when the trailer is uncoupled from the truck, the king pin, gear box, and other associated parts are removed therewith from the truck.

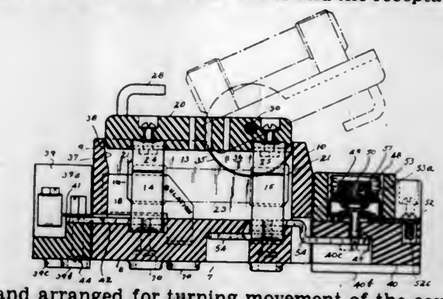
2,072,729
SAFETY SWITCH
Alfred Corbett, Irwin, Pa., assignor to National Electric Products Corporation, a corporation of Delaware
Application September 14, 1935, Serial No. 40,605
13 Claims. (Cl. 200—114)



1. In a fused safety switch the combination of a dished receptacle element having therein a pair of relatively spaced fuse-receiving contacts, one of said fuse-receiving contacts having connection to a terminal and the other having connection to one of a cooperative pair of switch contacts, a cover element carrying fuses in position to bridge the said fuse-receiving contacts in mounted position of the said cover element on the receptacle, and a second cover element carrying thereon means adapted to make connection between the said pair of switch contacts.

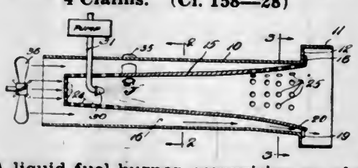
2,072,730
FUSED SAFETY SWITCH
Alfred Corbett, Irwin, Pa., assignor to National Electric Products Corporation, a corporation of Delaware
Application December 6, 1935, Serial No. 53,174
9 Claims. (Cl. 200—114)

1. In a safety switch assembly the combination of a hollow insulating receptacle, contacts mounted in the receptacle and spaced longitudinally of the receptacle in cooperative pairs, an insulating cover for the receptacle having on its under face contacts electrically interconnected longitudinally of the cover in pairs each of which in closed position of the cover electrically interconnects a longitudinally spaced pair of contacts in the receptacle, said cover being arranged in closed position to overlie substantially the entire cavity of the receptacle, and trunnions intermediate the length both of the cover and the receptacle



and arranged for turning movement of the cover about a fixed axis whereby when swung to open position exposing the contacts on the under face of the cover regions of the cover lying adjacent the turning axis to both sides thereof partially overlie the interior of the receptacle to shield contacts at one end of the receptacle.

2,072,731
OIL BURNER
George A. Crosby, West Newton, Mass., assignor to Steam Motors Inc., Boston, Mass., a corporation of Massachusetts
Application December 3, 1934, Serial No. 755,761
4 Claims. (Cl. 158—28)

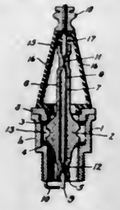


1. A liquid fuel burner comprising an elongate tubular member closed at one end and open at its opposite end, said tubular member having openings defining primary air inlets adjacent to its closed end and secondary air inlets adjacent to its open end, a casing surrounding said tubular member and defining therewith an air passage which communicates with the interior of said tubular member through said air inlets, the end of said air passage adjacent to the open end of said tubular member being substantially closed but having a discharge opening beneath the bottom of said tubular member through which air may escape from said air passage, the bottom of said tubular member providing a trough for conducting accumulations of fuel into the path of air passing through said discharge opening, and a spray nozzle disposed within said tubular member adjacent to its closed end, said nozzle being arranged to discharge a jet of liquid fuel longitudinally toward the open end of said tubular member.

2,072,732
SPARK PLUG
Philip K. Devers, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application August 28, 1935, Serial No. 38,183
5 Claims. (Cl. 123—169)

1. A spark plug comprising an elongated insulator of vitreous material, said insulator hav-

ing a longitudinally extending cavity, a conductor within said cavity, said conductor having a firing tip and having a diameter which is less than the diameter of said cavity whereby a clearance space is left between said conductor and the wall of said cavity, said conductor being sealed by local fusion of said insulator, and a casing surrounding said insulator consisting in part of metal and in part of insulating material, said parts engaging with one another.



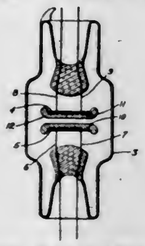
4. A spark plug comprising a casing, an elongated silica insulator mounted therein, said insulator having a longitudinal passage, a conductor having a lesser diameter than said passage and extending therethrough, said conductor having a flat, ribbon-shaped part sealed into said insulator by fusion of the adjacent silica.

2,072,733

ELECTRICAL DISCHARGE DEVICE

Günther Dobke, Berlin-Reinickendorf, Germany, assignor to General Electric Company, a corporation of New York

Application December 16, 1931, Serial No. 581,385
In Germany December 24, 1930
6 Claims. (Cl. 250—27.5)



3. An electrical discharge device comprising an envelope containing gas and a plurality of cooperating electrodes, at least two of said electrodes being coated with material containing a compound of alkaline earth metal, and a metal member embedded in the coating, said coated electrodes being of the non-filamentary type.

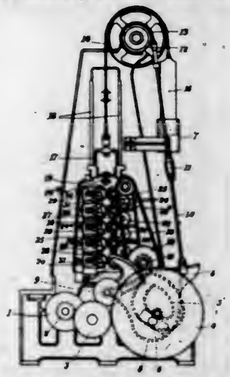
2,072,734

METHOD OF AND MEANS FOR REMOVING BAST FROM BAST PLANTS

Albert Ernest Dodd, Dromara, Northern Ireland

Application June 26, 1934, Serial No. 732,527
In Great Britain June 27, 1933
1 Claim. (Cl. 19—32)

A machine for obtaining fibres from the stalks of flax, comprising in combination, vertically reciprocable and laterally movable holders for the flax, a cam for raising and lowering said holders, a plurality of laterally spaced removing units, each comprising a pair of rollers having interacting but spaced projections or flutes between which the flax is permitted to move lengthwise by the movement of said holder, a spring-urged mounting for one roller of each pair, means for adjusting the spring, an adjustable mounting for the other roller and a driving connection between said rollers and cam whereby the rollers are driven with a peripheral speed approximately the same as the speed of the holders and simultaneously in the same direction, the flax being reciprocated through the rollers and subjected to a bending and rubbing action and laterally moved



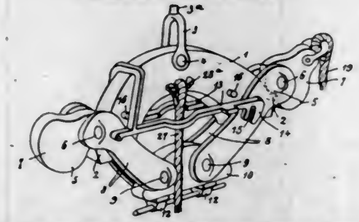
from one unit to the next, each succeeding unit having finer projections or flutes than the preceding unit, a "polishing" unit comprising at least one pair of rollers having projections or flutes and driven in the one direction with the inner sides of the rollers going down at a higher speed than the speed of the flax and a hackling unit comprising at least one pair of hackling bands for partially hackling the flax.

2,072,735

LOAD HANDLING APPARATUS

Henri Dudouit, Le Havre, France

Application August 21, 1935, Serial No. 37,256
In France May 24, 1935
5 Claims. (Cl. 9—23)



1. A suspending and releasing device for heavy loads such as lifeboats, comprising a suspending cable, a substantially horizontal beam pivotally secured intermediate its ends to the suspending cable, a pair of supporting arms pivotally mounted on the lifeboat, supporting members pivotally mounted on said arms and adapted to engage under the action of the load the ends of said beam, and counterweights associated with said supporting members and adapted to disengage the latter from said beam when the load ceases.

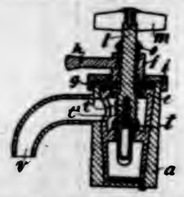
2,072,736

TAP FOR WATER OR OTHER LIQUIDS AND FLUIDS

Louis Dumas, Geneva, Switzerland

Application March 11, 1935, Serial No. 10,520
In Switzerland March 27, 1934
2 Claims. (Cl. 277—32)

1. A tap for mixing hot and cold liquids supplied by a system in which the hot liquid, due to resistance of heating apparatus, has a discharge pressure lower than that of the cold liquid, comprising a casing, separate inlets in said casing for the two liquids, an outlet on said casing for the mixed liquids, a valve plug rotatable in said casing, said plug having a mixing chamber formed therein and ports cooperating with



said inlets to progressively close the inlet for one of the liquids while progressively opening the inlet for the other liquid to admit the liquids to the mixing chamber, and a valve in said mixing chamber operable independently of said plug for simultaneously regulating the flow of the liquids into the mixing chamber.

2,072,737

PROCESS OF COOLING BREAD AND BAKERY PRODUCTS

Montague H. Duval, Great Neck, N. Y.

No Drawing. Application June 17, 1935, Serial No. 27,127
8 Claims. (Cl. 107—54)

1. The process of cooling hot baked bread comprising subjecting the bread to a holding period to partly cool the crust, further cooling the bread by subjecting it to a vacuum, the degree of vacuum being maintained at a point above the vapor pressure of water at the crust temperature.

2,072,738

PROCESS OF STABILIZING CELLULOSE XANTHATE

Harry B. Dykstra, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 6, 1933, Serial No. 679,218. Renewed July 3, 1936
5 Claims. (Cl. 260—100)

1. A process for stabilizing cellulose xanthate, comprising washing with acetone and dehydrating the same by exposure in a solid moist condition at approximately 40–100° C. at a high exposed surface:mass ratio to a current of an inert gas capable of taking up moisture.

2,072,739

ESTERS

Harry Ben Dykstra, Wilmington, Del., and Walter Eastby Lawson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 24, 1934, Serial No. 749,762
11 Claims. (Cl. 260—103)

1. As new compounds, esters of the formula:

$$R^1—O—CO—R^2—CO—O—R^3—CO—O—R^4$$

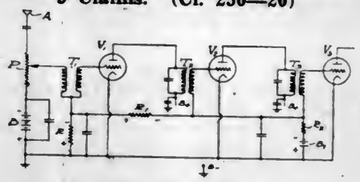
wherein R^1 and R^4 are different monovalent open chain radicals from the class consisting of open chain hydrocarbon radicals and alkoxysubstituted open chain hydrocarbon radicals, and one is an alkyl radical, R^2 is a divalent aromatic hydrocarbon radical, and R^3 is a divalent aliphatic hydrocarbon radical.

2,072,740

VOLUME CONTROL

David P. Earnshaw, Philadelphia, Pa., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application October 28, 1935, Serial No. 47,151
In Great Britain October 29, 1934
9 Claims. (Cl. 250—20)



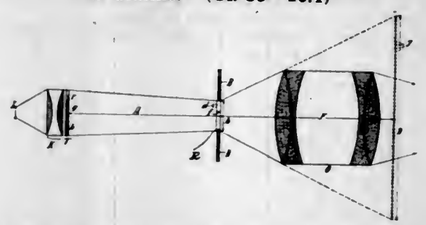
1. In a radio receiver; a space discharge device having a control element; a signal collecting device; means, including resistance means having a variable portion and a source of unidirectional potential, for varying the portion of signal transferred from said signal collecting device to said space discharge device and for varying the unidirectional potential across part of said resistance means; connections between said resistance means and said space discharge device to bias said control element of said device; at least one other space discharge device having a control element; and biasing means for said other space discharge device, including a resistor connected to said part of said resistance means and another resistor and a source of unidirectional potential connected to said part of said resistance means and to said first resistor.

2,072,741

APPARATUS FOR PROJECTION OF LENTICULAR FILM

John Eggert, Leipzig-Gohlis, and Gerd Heymer, Wolfen Kreis Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application April 10, 1934, Serial No. 719,954
In Germany April 19, 1933
2 Claims. (Cl. 88—16.4)



1. In an apparatus for projecting lenticular film in combination, a source of light, a lenticular film to be projected, said lenticular film being arranged with its lenticular elements facing said source of light, means for projecting said source of light on said film, a multi-color filter arranged between said film and said source of light, and an objective facing the smooth side of said lenticular film, said objective having such an aperture that the pupil of entrance has at least a diameter

$$D=b+F\cdot\left(\frac{C+b}{A}+\frac{n\cdot d}{f}\right)$$

F being the apparent distance of the pupil of entrance of the projection objective when viewed from the film,
b being the breadth of the picture gate,

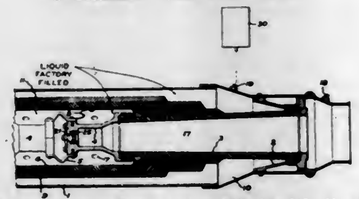
A being the distance of the filter from the lenticular elements,
n being the refractive index of the film material,
d being the diameter of the lenticular element,
f being the focal length of a lenticular element, and
C being the apparent breath of the multi-color filter when viewed from the film.

2,072,742

STOP JOINT FOR OIL-FILLED CABLES

Luigi Emanueli, Milan, Italy, assignor to Societá Italiana Pirelli, a corporation of Italy

Application November 2, 1935, Serial No. 48,006
In Italy January 30, 1935
5 Claims. (Cl. 173—268)



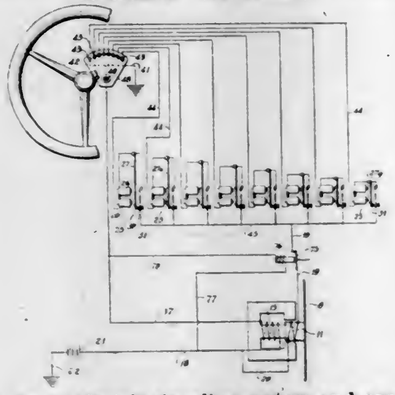
1. A stop joint for cables filled with liquid insulation comprising a casing, a pair of insulating tubes supported thereby and arranged to receive cable ends, sockets supported by the adjacent ends of the tubes for receiving the cable ends and electrically connecting them, a perforated metallic screen supported by the tubes and surrounding the sockets, said screen defining an internal chamber, liquid impregnated insulation covering the screen, and means establishing a direct communication from the chamber through one of the sockets to the outside of the casing for evacuating the chamber and subsequently filling it with liquid to impregnate the insulation.

2,072,743

SIGNAL DEVICE AND SYSTEM THEREFOR

Howard J. Findley, Cleveland, Ohio, assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio, a corporation of Ohio

Application September 14, 1933, Serial No. 689,413
10 Claims. (Cl. 177—7)



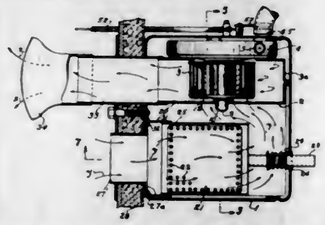
1. In an electric signaling system and apparatus, an electrically actuable sound-producing means responsive to undulatory electric current of musical tone frequency to produce a musical tone and comprising an electrically energizable magnetic field producing element and an electrically energizable armature element, a source of electric current, an armature circuit and a separate field circuit including the current source, current controller means comprising an electrically actuable device for producing undulatory current in said armature circuit of a predetermined frequency, an electrically actuable switch controlling the armature circuit, a single operable means for controlling the energization of the field circuit and actuation of said switch.

2,072,744

HEATER FOR AUTOMOBILES

Howard J. Findley, Cleveland, Ohio, assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio, a corporation of Ohio

Application March 1, 1934, Serial No. 713,543
4 Claims. (Cl. 237—12.3)



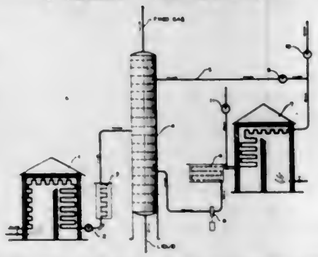
2. In an automotive vehicle heater construction, a casing containing an air heating radiator comprising a liquid-heated core having a walled air passageway therethrough, conduits communicating with the core and extending outwardly of the casing for connection to the liquid cooling system of the vehicle engine, an opening in the casing wall, the air passageway of the radiator opening at one end into the casing interior and at its opposite end engaging the casing adjacent the periphery of the opening, the radiator being movable relative to the casing and resilient means maintaining pressure engagement between the radiator and casing.

2,072,745

PRODUCTION OF ANTIKNOCK GASOLINE

Louis H. Fitch, Jr., Bartlesville, Okla.; The First National Bank in Bartlesville, a national banking corporation, administrator of said Louis H. Fitch, deceased, assignor to Phillips Petroleum Company, a corporation of Delaware

Application October 8, 1934, Serial No. 747,459
3 Claims. (Cl. 196—10)



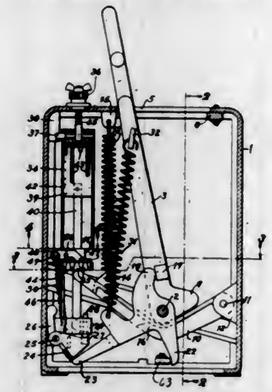
2. A hydrocarbon conversion process which comprises subjecting a stream of light aliphatic hydrocarbons, substantially all of which boil below the maximum boiling point of gasoline and above the boiling point of methane, to conversion conditions at high temperature and relatively high super-atmospheric pressure, passing the products of said conversion to a separating zone, separating in said zone a fraction consisting principally of gasoline and heavier liquids and a fraction consisting principally of hydrocarbons containing from two to four carbon atoms in the molecule, subjecting said last-mentioned fraction to conversion conditions wherein the temperature is relatively high and the pressure relatively low and wherein these conditions are maintained for a time sufficient to produce aromatic hydrocarbons, cooling the products of this latter conversion and increasing the pressure thereon and discharging them into the said separating zone at a point below the point of withdrawal of the fraction consisting principally of hydrocarbons containing from two to four carbon atoms in the molecule, separating the products of this latter conversion into fractions similar to those of the former conversion and discharging the combined fractions from said separating zone.

2,072,746

CONTROL APPARATUS FOR TARGET TRAPS

Harry Clark Foster and Louis Leroy, Alton, Ill., assignors to Western Cartridge Company, East Alton, Ill., a corporation of Delaware

Application February 12, 1935, Serial No. 6,149
16 Claims. (Cl. 124—3)



1. Control apparatus for target traps, comprising, a movable actuator, a movable member operable by said actuator and mechanically connected to release a trap, means for activating said actuator for operating said member, means operating to arrest said activated actuator temporarily and at a definite time interval thereafter to release the same, and means operating automatically to vary such time interval for successive operations.

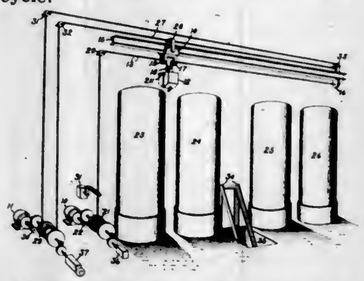
2,072,747

CARRIER SYSTEM

Clyde H. Freese, Moscow, Union of Soviet Socialist Republics, assignor to General Electric Company, a corporation of New York

Application January 23, 1932, Serial No. 588,368
10 Claims. (Cl. 212—132)

1. An electrically operated system for a device arranged to be driven through a predetermined cycle of operations between one position and a selected one of several positions spaced apart from said one position, comprising driving means for said device, a group of contacts for controlling the operation of said driving means, operating means for said group of contacts for operating said contacts, a second group of contacts for controlling the operation of said driving means, operating means for said second group of contacts, and an adjustable connecting means between said groups of contacts for selecting one of said several positions for the carrying out of said cycle.



10. An electrical system for driving a device through a selected one of a plurality of predetermined cycles of operations, comprising driving means for said device, a group of circuit controlling devices for controlling the operation of said driving means during a first portion of said cycle, connecting means between said circuit controlling devices and said driving means whereby said circuit controlling devices are actuated by said driving means, a second group of circuit controlling devices for controlling the operation of said driving means during a second portion of said cycle, a second connecting means connecting said second group of circuit controlling devices to said first group whereby said second group is actuated by said driving means, and adjusting means forming a part of said second connecting means for adjusting said second group of controlling devices independently of said first group to select a different second portion for the cycle of operations.

2,072,748

PROCESS OF MAKING BAKER-YEAST FROM BEER-YEAST

Edmund Fuchs, Mihalovce, Czechoslovakia

No Drawing. Application November 14, 1934, Serial No. 753,065
8 Claims. (Cl. 195—97)

1. A process for making baker-yeast from beer-yeast comprising first using said beer-yeast to ferment a series of dilute mashes free from added nitrogenous yeast nutrients and containing not more than 2% sugar, the first mash being at a temperature of approximately 41° F. and each mash at a higher temperature than the previous one, then when tests show that the mash contains substantially only healthy cells using said yeast to ferment a further series of mashes to which the usual nitrogenous yeast nutrients are added the temperature of said further series increasing from that of the last of said first series to approximately 95° F.

2,072,749

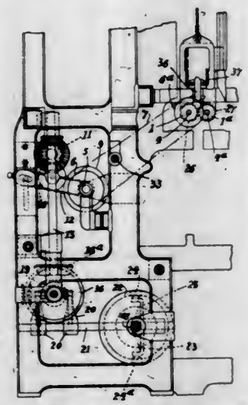
MEANS FOR SEPARATING FIBERS FROM BAST PLANTS

James Harold Gillespie, Belfast, Northern Ireland

Application November 28, 1934, Serial No. 755,223
In Great Britain November 29, 1933
8 Claims. (Cl. 19—32)

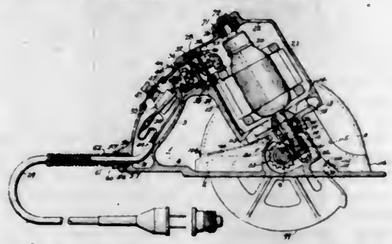
1. In a machine for obtaining fiber from bast plants including a reciprocable holder for the plants and a pair of rollers having interacting but spaced projections between which the plants are permitted to move lengthwise by the movement of

said holder; driving means for the rollers comprising a main driving shaft, two gear trains of different ratios between said shaft and the rollers and clutch means adapted to connect in one or other of said trains in synchronism with the raising and lowering of the holder, the arrangement being that the rollers are driven with a peripheral speed greater than the downward speed of the holder and are rotated in the reverse direction with a peripheral speed equal to the upward speed of the flax.



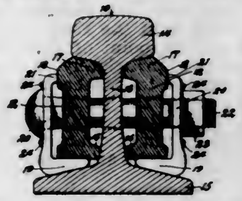
8. For a machine for scutching flax a fluted scutching roll, comprising a spindle, a drive-receiving element on one end of the spindle, a gear wheel on the other end of the spindle and an adjustable mounting for said gear wheel whereby the same may be angularly adjusted with reference to the flutes.

2,072,750
PORTABLE ELECTRIC SAW
George E. Hampton, Pittsburgh, Pa.
Refiled for abandoned application Serial No. 622,199, July 13, 1932. This application July 26, 1934, Serial No. 737,069
4 Claims. (Cl. 143—43)



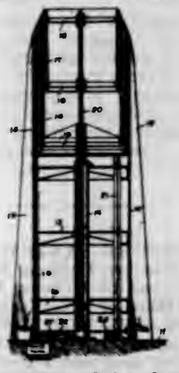
1. An electric portable saw comprising a baseplate having two spaced integral bearing housings thereon in transverse alignment, one housing being in a compartment closed to the outside and the other open to the outside, a ball bearing in each housing, a shaft supported in and between the bearings and extending out of the open housing beyond the base plate, a worm gear on the shaft between the two bearings and rotatable in a gear chamber between the bearings, an oil impeller on the shaft between the gear and the outer bearing and effective towards the gear chamber, an oil washer behind the impeller and between the impeller and the outer bearing, an oil washer on the outer side of the outer bearing and against the shaft, and a threaded clamp ring for the outer oil washer having a portion serving as a bearing for a rotatable guard element for the saw.

2,072,751
RAIL JOINT
Albert E. Hill, New York, N. Y.
Application February 11, 1935, Serial No. 6,109
Renewed December 4, 1936
2 Claims. (Cl. 238—244)



1. A joint connection for the meeting ends of railroad rails, comprising a coupling bar of less than the minimum fishing height of the meeting ends of the rails, said bar fitting beneath the balls of the rails, the upper end of the coupling bar having an outer face in parallelism with the rail web, and terminating above the rail flanges in a plane at substantial right angles to the webs of the rails, a bolt passing through the coupling bar and the rail web, and a unitary saddle bar secured by said bolt and having a lower wedge shaped portion to underlie the bottom of the coupling bar and bear on the rail flange the upper portion of the saddle bar having an inturned end to bear directly against and rock freely on the upper outer face of the coupling bar, whereby tightening of the bolt rocks the saddle bar on the inturned upper end as a fulcrum to force the lower wedge-shaped portion beneath the coupling bar and compel the coupling bar to bear against the rail web with complete compensation for the difference in fishing height of the coupling bar and rail end.

2,072,752
POWER PLANT
Otto Herbert Hirstius, New Orleans, La.
Application July 27, 1936, Serial No. 92,898
5 Claims. (Cl. 253—38)



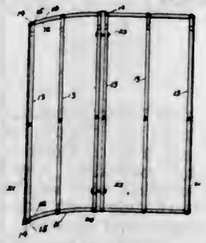
1. In a power plant of the character described, in combination, a main tower section provided with a base chamber having a plurality of circumferentially disposed openings, and air motors mounted in said openings having outlet ducts leading through the ceiling of the base chamber, said main tower having a plurality of telescoping sections, and means for raising or lowering one or more of said sections as desired.

2,072,753
FOLDING BOX
Rihachi Ikeda and Shuzo Satake, San Mateo, Calif.
Application July 29, 1935, Serial No. 33,760
2 Claims. (Cl. 229—36)



1. A one-piece folding box embodying in its construction a bottom provided with a window opening and four side walls, one of said walls having a lid formed integral therewith, the opposite side wall having a lug form thereon adapted to be received in an opening provided in the lid, said lug serving as a finger hold for lifting the receptacle, the remaining side walls each being provided with a pair of interlocking wings extending in opposite directions adapted to be positioned behind the first mentioned side walls.

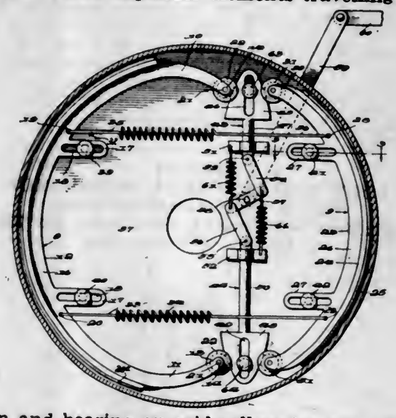
2,072,754
DISPLAY DEVICE
Vernon H. Jones, Park Ridge, Ill.
Application May 29, 1936, Serial No. 82,404
10 Claims. (Cl. 40—125)



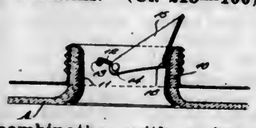
4. A display comprising a plurality of display devices, each of said devices having a poster of flexible material, a pair of oppositely disposed members for removably holding the opposite portions of said poster, and a plurality of stretching members attached to said holding members for stretching said poster taut so as to conform to the shape of the holding members, and a connecter for removably attaching a stretching member of one display device to a stretching member of an adjoining device, and a pilaster between each of said display devices attached to and hiding said connecter from view.

2,072,755
BRAKE MECHANISM
Robert G. Jones and Romie E. Johns, Jacksonville, Fla.
Application August 14, 1936, Serial No. 96,106
5 Claims. (Cl. 188—78)

1. In a brake mechanism, a pair of oppositely shiftable brake shoes, each including a pair of end stretches and an intermediate stretch for braking, the intermediate stretch of one of said shoes being of materially greater length than the intermediate stretch of the other brake shoe, rollers carried by said end stretches, and oppositely shiftable expander elements travelling between and bearing on said rollers for expanding said shoes to apply a braking action.

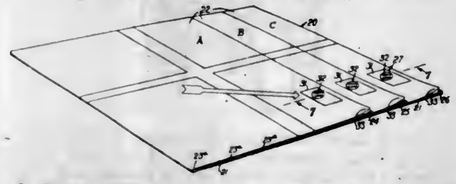


2,072,756
JUG SPOUT
Emma Lea Kosa, Overland, Mo.
Application May 18, 1936, Serial No. 80,432
2 Claims. (Cl. 215—100)



1. The combination with a jug or the like having a mouth rim, a collar fitting interiorly of said rim and having guide slots, and a spout pivotally connected in the said slots and adapted to be pulled outwardly to pouring position or pushed inwardly to non-pouring position within the ring, the slot at opposite ends being provided with terminal keeper notches for accommodating the pivot connections of the spout to hold the same in pouring or non-pouring positions.

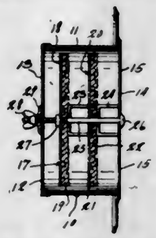
2,072,757
MULTIPLE SHEET PACK AND/OR CONTAINER
Harry Landsiedel, Wilton, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application April 6, 1935, Serial No. 15,007
10 Claims. (Cl. 206—57)



1. In a multiple container for different groups of sheets, the combination of a supporting or base member made of paper, or like material and a plurality of hinged flexible paper covers unremovably mounted on said base member to open and close thereon and arranged in superposed offset relationship so as to expose the free edge portions of the underlying covers when they are

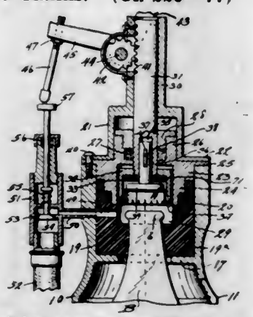
closed and provide for the ready opening of the different covers, each cover with said base member forming a separate enclosing means or container for a group of sheets, the construction and arrangement of the parts being such that the plurality of covers when closed are substantially coextensive in extent with said base member, whereby sheets from the different groups may be readily picked up and assembled in proper relationship.

2,072,758
SOOT AND CREOSOTE ELIMINATOR
Paul J. Libby, Lewiston, Maine
Application November 13, 1934, Serial No. 752,869
1 Claim. (Cl. 126—312)



A soot eliminator as set forth, comprising a cylindrical casing adapted to be inserted in a chimney opening, a perforated cap on one end of the casing, a perforate plate on the other end of the casing, a pair of spaced apart baffles disposed within the casing and having a diameter less than the diameter of the casing whereby to permit air to pass about the marginal edges thereof, a bolt extending axially of the casing through the cap and the plate for supporting the baffles within the casing and holding the parts in assembled relation, a pair of U-shaped spacing members carried by the bolt for holding the baffles in spaced apart relation and a fibrous fireproof member engaging against a face of each plate.

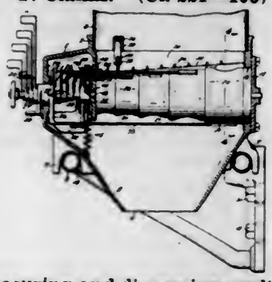
2,072,759
BOTTLE FILLING AND CAPPING MACHINE
James Arthur Liley, St. Louis, Mo.
Application January 9, 1936, Serial No. 58,395
8 Claims. (Cl. 226—77)



6. In a bottle capping machine, a plunger, a capping head disposed on the lower end of the plunger, the capping head being annular in cross section to provide a circumferential wall, the lower edge of said wall being beveled downward and outward, an elastic rubber band fitting around the lower edge of said wall and extending below said lower edge and having an inwardly projecting annular bead adapted to engage beneath the cap, the lower end of the plunger above the capping head having a central bore, a pin slidably mounted within said bore, and a magnetic head carried by the lower end of said pin and adapted to engage the cap, means for reciprocating the plunger, and means for supporting the bottle with its mouth immediately beneath the plunger.

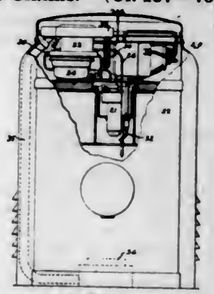
7. A bottle filling and capping machine, including a fixed bottle enclosing section and a bottle enclosing section hinged to the first named section for swinging movement at right angles to the longitudinal axis of the sections, both of said sections being approximately semi-circular in cross-section, the sections when closed being adapted to entirely enclose a bottle, each section at its upper end having a semi-circular neck portion and bottle neck engaging packing members carried therein, the fixed section at its upper end having a housing extending laterally outward therefrom and adapted to extend over the upper end of the movable section when the latter is closed, the housing having a liquid inlet pipe, a relief pipe, and a plunger movable through the housing and having a capping head.

2,072,760
MEASURING AND DISPENSING APPLIANCE
Carl L. Ludwig, Hermosa Beach, Calif.
Application September 14, 1936, Serial No. 100,670
17 Claims. (Cl. 221—106)



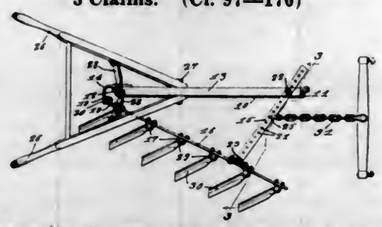
1. A measuring and dispensing appliance, comprising a rigidly mounted hopper having an outlet at its lower end, a fixed block formed with a measuring cavity extending vertically therethrough communicating with said hopper-outlet, and means to alternately open and close the opposite ends of said cavity to admit of the filling and dumping of a measured quantity of granular material therefrom, substantially as described.

2,072,761
VISCOSITY COMPENSATED FLOW CONTROL
Walter O. Lum, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 1, 1935, Serial No. 19,268
6 Claims. (Cl. 137—78)



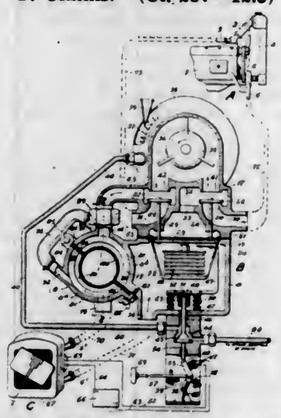
1. A compensated flow control for fluids of varying viscosity comprising a thin wall sharp edge control orifice proportioned to increase the discharge coefficient thereof under a constant pressure differential head upon an increase of the viscosity of the fluid between predetermined limits, and a fluid delivery conduit connected with said orifice and proportioned to decrease the pressure differential head of said control orifice upon said increase of the viscosity of the fluid to maintain the fluid flow through said orifice substantially constant.

2,072,762
CULTIVATOR
Harry L. Magnon, Dover, Fla.
Application July 6, 1936, Serial No. 89,212
3 Claims. (Cl. 97—170)



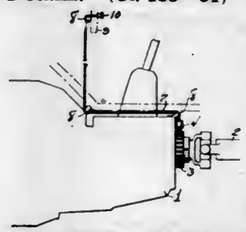
1. A cultivator comprising a runner having its front and rear ends directed upwardly, a beam above the runner connected to said ends, an outrigger bar hinged at the rear end to the beam and extending obliquely forward from the beam, a cross brace connecting the bar to the beam, draft means connected to said brace, and ground working tools on the outrigger bar, said runner penetrating the ground and contracting the side draft of said ground working tools.

2,072,763
MEANS FOR HEATING AUTOMOTIVE VEHICLE INTERIORS
Edward L. Mayo, Cleveland, Ohio, assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio, a corporation of Ohio
Application March 6, 1935, Serial No. 9,613
17 Claims. (Cl. 237—12.3)



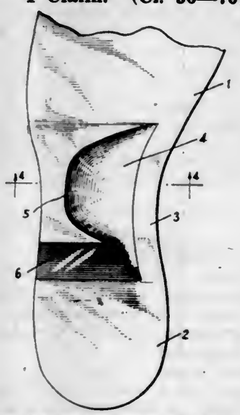
1. In a heating system, a radiator having a liquid heated core, a source of heat, a liquid heater subjected to heat of the source, circulating conduit means containing liquid and including the radiator core, the heater, and a pump for circulating heater heated liquids through the radiator core, the heater being capable of rapidly heating the circulating liquid to higher than a predetermined temperature, a second source of heat, a second heater subjected to heat of the second source, a second circulating conduit means containing liquid and including the second heater, the second heater being incapable of rapidly heating the liquid of the second system, means controlling temperature of liquid in the second conduit means to maintain it below a predetermined maximum less than said predetermined temperature, operable valve means and conduit means controlled thereby for interconnecting the two conduit means to cause liquid from the two conduit means to mix and effect transfer of heat from one to the other, and a thermostat responsive to temperature of liquid supplied to the radiator core to operate the valve means to cause sufficient mixing of the liquids to maintain the temperature of the radiator substantially at said predetermined temperature.

2,072,764
CAR AND TRUCK HOLDER
James J. McCoy, Pocatello, Idaho
Application April 22, 1936, Serial No. 75,800
1 Claim. (Cl. 188—31)



A motor vehicle holding device comprising a gear secured to a propeller shaft of a motor vehicle, opposed dogs pivoted to a fixed part of the motor vehicle and so arranged that when one dog is in mesh with the gear the other dog will be resting upon a tooth of the gear, springs connected to said dogs for holding them disengaged from the gear, a flexible element connected to the dogs, and a finger piece connected to the flexible element.

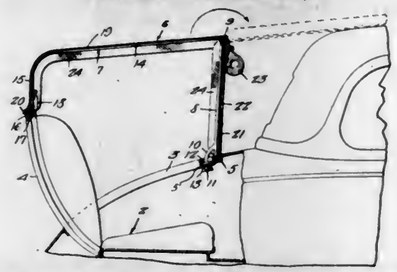
2,072,765
SOLE
Laurence M. Oakley, Trenton, N. J., assignor to Essex Rubber Company, Trenton, N. J., a corporation of New Jersey
Application October 31, 1936, Serial No. 108,504
1 Claim. (Cl. 36—76)



A sole for footwear comprising a ball portion, a heel portion of greater thickness than the ball

portion, a shank portion between said portions, a relatively narrow marginal portion of substantially uniform width extending along the inside of the shank from said heel portion to said ball portion and tapering in thickness from said heel portion to said ball portion, part of said shank portion along the outside of the sole being the same thickness as said ball portion, and a convex portion extending laterally from said tapering portion, and sloping gently downward from said tapering portion to merge with the outside portion of the shank along a line which forms a substantial semi-circle, said convex portion conforming substantially to the natural contour of the normal arch of the foot.

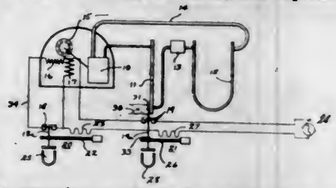
2,072,766
RUMBLE SEAT TOP
John A. Orris, Windber, Pa.
Application February 4, 1935, Serial No. 4,948
2 Claims. (Cl. 296—99)



1. A foldable top attachable to the vehicle structure of the rumble seat of an automobile when the swingable cover structure in which the seat is incorporated is in open or seating position and wherein the vehicle structure includes a rain groove for receiving a cooperating flange on the cover; said foldable top including a front frame section of substantially rectangular formation having rearwardly off-set downwardly extending arms having threaded ends adapted to extend through openings in the rain groove and be held by nuts for securing the frame section in an upright position with its lower portion in the rain groove, and a top frame section of substantially rectangular formation having its forward portion hingedly connected to the upper portion of said front frame section, said top frame section having a downwardly extending portion to the rear of the front frame section adapted to have its lower end in engagement with the flange of the seat back cover structure in its open position, and securing means carried by the top frame section engageable with the cover structure for holding the top frame section in said position but releasable to permit the same to be swung upwardly therefrom on its hinged connection with the front frame section.

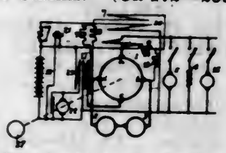
2,072,767
REFRIGERATION
George C. Pearce, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application September 29, 1932, Serial No. 635,390
Renewed May 2, 1936
16 Claims. (Cl. 62—4)

1. A refrigerating system comprising a compressor, condenser, a constantly open liquid refrigerant control device and evaporator in a closed refrigerant flow circuit, an electric motor for driving said compressor having a starting torque insufficient to start the compressor against pressure differences of the order existing thereacross during normal operation of the apparatus, said motor having a starting winding and a running winding, starting contacts for controlling an electric circuit through said starting winding, a starting thermostat responsive to current flow through said running winding for opening said



contacts, running contacts for controlling an electric circuit through said running winding, a running thermostat responsive to current flow through said running winding for opening said running contacts, said thermostats being adjusted to open said starting contacts only after the motor has attained a speed sufficient normally to insure operation on the running winding, and to open said running contacts only when said motor is overloaded.

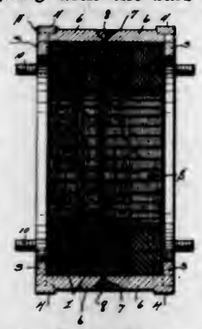
2,072,768
ELECTRICAL GENERATOR SUPPLYING TWO LOADS, ONE AT VARIABLE VOLTAGE AND ANOTHER AT CONSTANT VOLTAGE
Joseph Maximus Pestarini, Grant City, Staten Island, N. Y.
Application August 15, 1934, Serial No. 740,011
29 Claims. (Cl. 172—239)



1. An electrical system including a metadyne dynamo-electric machine having an armature, means including a primary brush set associated with said armature for providing a primary circuit through said armature, a primary load circuit, means for connecting said primary load circuit across said primary brush set, a source of substantially constant potential electrical power supply, means for connecting said source of electrical power supply across said primary brush set, a field exciting winding arranged to produce a component of magnetic flux along the commutating axis of said primary brush set, means for energizing said field exciting winding in accordance with an electrical characteristic of said primary load circuit, means including a secondary brush set electrically displaced from said primary brush set and associated with said armature for providing a secondary circuit through said armature, and a second load circuit connected across said secondary brush set.

2,072,769
ELECTRIC MOTOR CONSTRUCTION
Homer E. Reeder, Lima, Ohio
Application October 24, 1936, Serial No. 107,455
7 Claims. (Cl. 171—252)

1. A stator unit for an electrical apparatus comprising end frame sections, an interposed lamination stack, inwardly disposed bars carried by the frame sections, the bars of one section substantially aligning with the bars of the second



section, and means for rigidly connecting the opposed end portions of said bars.

2,072,770
COATING COMPOSITION AND DRIER THEREFOR
Ebenezer E. Reid, Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 4, 1934, Serial No. 746,775
13 Claims. (Cl. 134—57)

11. A drier for paints and varnishes in the form of a polyvalent water-insoluble, metal salt of a phthalamic acid wherein at least one amino hydrogen is substituted by the radical derived from an organic hydroxyl compound by removal of the hydroxyl thereof, said metal being of the class consisting of cobalt, manganese, lead, iron and cerium.

2,072,771
CHEMICAL PRODUCTS AND PROCESS OF PREPARING THE SAME
George W. Rigby, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 11, 1936, Serial No. 79,178
14 Claims. (Cl. 260—152)

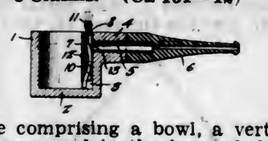
1. Process of preparing benzyl deacetylated chitin which comprises reacting benzyl chloride with deacetylated chitin in the presence of aqueous sodium hydroxide.

2,072,772
LAWN MOWER SHARPENER
Lewis P. Roode, Gallup, N. Mex.
Application October 10, 1935, Serial No. 44,441
2 Claims. (Cl. 76—82.1)



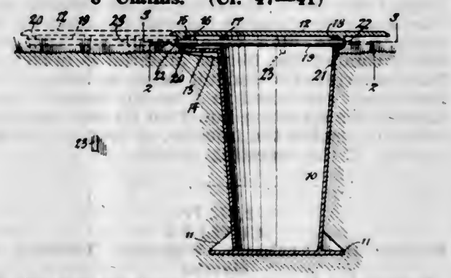
1. A device of the character described comprising an operating bar adapted to be disposed transversely over a cutter and reciprocated longitudinally thereof, a clamp extending transversely of the bar over the same with end portions projecting from opposite sides of the bar, arms at opposite sides of the projecting end portions of said clamp, a sharpening element under the bar extending transversely thereof and disposed under the clamp longitudinally thereof, the arms at one side of the clamp being bent downwardly and inwardly to provide horizontal portions for engaging the under face of the sharpening element and the arms at the other side of the clamp being bent to extend inwardly at a downward inclination and bear against an edge face of the sharpening element at the opposite side thereof from the first arms, the free ends of opposed arms being spaced from each other transversely of the sharpening element to dispose the free ends in position to bear against opposite side faces of a blade having an edge to be sharpened in contact with the under face of the sharpening element, and a set screw threaded through an opening formed in the clamp intermediate the length thereof and adapted to engage the upper face of the bar and shift the clamp upwardly to move the arms into tight binding engagement with the sharpening element and securely but releasably holding the clamp and the sharpening element in a set position.

2,072,773
SMOKING PIPE
Allen H. Rogers, York Village, Maine
Application March 23, 1936, Serial No. 70,496
3 Claims. (Cl. 131—12)



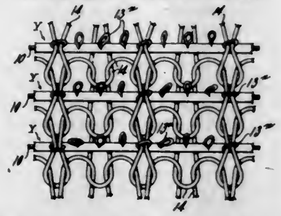
3. A pipe comprising a bowl, a vertically arranged tube secured in the bore of the bowl at the rear portion thereof and having an open lower end communicating with the bore, a stem formed on the bowl at the upper end thereof, a tube extending through the stem and having one end communicating with the tube first mentioned adjacent the upper end thereof, a mouth piece frictionally mounted on the second tube to be secured to the stem, a cleaning pin mounted for movement in the first tube and extending above the upper end thereof, said extending portion of the pin being bent upon itself to provide a handle, said pin being curved to contact the walls of the first tube to remove matter therefrom, and the lower end of the pin being engageable with the bottom of the bore.

2,072,774
GRAVE MARKER AND FLOWER HOLDER
Herbert C. Schoepflin, Buffalo, N. Y.
Application August 8, 1936, Serial No. 94,981
8 Claims. (Cl. 47—41)



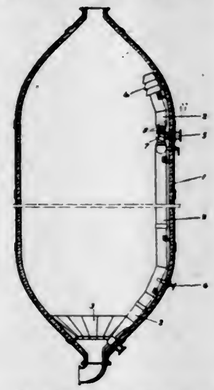
1. A grave marker and flower holder comprising a pot adapted to be sunk in the ground, and a lid slidable horizontally on the upper end of the pot for covering and uncovering the same and adapted to serve as an inscription plaque.

2,072,775
ELASTIC YARN AND FABRIC
Harold A. Smith, Needham, Mass., and Joseph J. Fodor, Yonkers, N. Y., assignors to Frank W. Gorse Company, Needham Heights, Mass., a corporation of Massachusetts
Application February 25, 1936, Serial No. 65,712
12 Claims. (Cl. 66—190)



5. A yarn comprising a core, a cover wound helically about the core, and strand loops extending outwardly from the yarn and anchored thereto by the helically wound cover.

2,072,776
PROCESS IN DIGESTING CELLULOSE
Sjune Svensson, Hissmofors, Sweden
Application October 3, 1935, Serial No. 43,411
In Sweden October 13, 1934
6 Claims. (Cl. 92—7)



1. In a process of digesting cellulose, in which a gaseous medium is introduced, for example, by means of an injector into a conduit, opening at the upper and lower part of the digester, in order to cause a circulation of the digesting liquid from below upwardly in the conduit and from above downwardly through the space of the digester filled with fibrous material, and into which conduit the fibrous material is prevented from entering, the conduit being at least at the lower part connected to a screen element, preheating the digesting liquid on its way upwards before it reaches the injector, at least at the beginning of the digesting period.

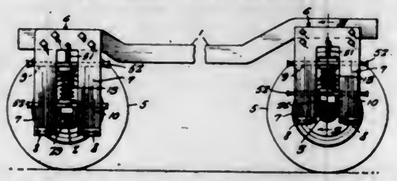
2,072,777
CUTLERY
William H. Takahashi, Wahiawa, Territory of Hawaii
Application August 19, 1936, Serial No. 96,883
1 Claim. (Cl. 30—22)

The combination with cutlery, of a pocket on the back of the handle of the cutlery, and a loop struck from the material of the handle of the cutlery above said pocket and forming a window in the front of the handle, said pocket and said loop being adapted to secure a supply of tooth-



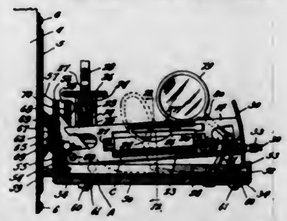
picks to the handle, said window exposing a portion of said supply through the front of the handle.

2,072,778
AUTOMOBILE SPRING ARRANGEMENT
John I. Thomson, East Chicago, Ind.
Application June 3, 1935, Serial No. 24,745
6 Claims. (Cl. 267—60)



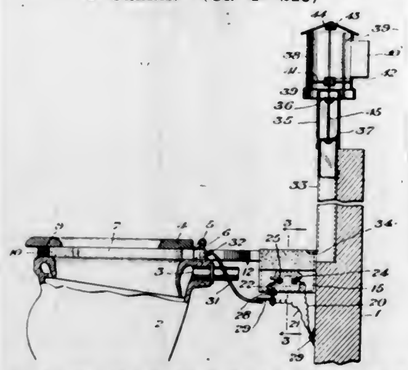
1. A cushioning device for vehicles comprising a hanger secured to a vehicle frame and straddling an axle, upper and lower plates slidably mounted to the hanger, means for lubricating the plates and the hanger, cushioning means between the upper and lower plates, cushioning means between the upper plate and the hanger, and means pivotally connecting the axle to the lower plate.

2,072,779
TESTING AND SETTING DEVICE FOR ARTIFICIAL HORIZON INSTRUMENTS
John E. Torbert, Jr., National City, Calif.
Application September 16, 1935, Serial No. 40,833
13 Claims. (Cl. 33—211)



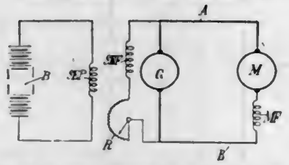
1. An artificial horizon instrument testing and setting apparatus comprising in combination, a straight edged carrier, levels, means adapting the levels to be detachably secured upon said carrier, means for adjusting the levels whereby the angular relation of an aircraft to a true horizontal plane may be ascertained when the carrier with a level thereon is applied to the leveling lugs of the aircraft, and a carrier having means to detachably mount the same upon an artificial horizon instrument, the second carrier being adapted to receive the levels when transferred thereto from the straight edged carrier.

2,072,780
VENTILATING APPARATUS
Fred L. Turner, San Benito, Tex.
Application January 9, 1936, Serial No. 58,362
4 Claims. (Cl. 4—218)



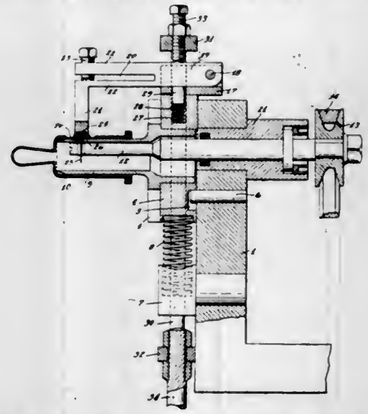
1. In a ventilating apparatus for toilet bowls, a horizontally disposed flue adapted to have one end communicate with the bowl, a horizontally disposed receptacle constituting an air heated chamber communicating at its front with the other end of said flue, an electric heating element arranged within said chamber, a vertically disposed outlet flue opening at its lower end into the rear of said chamber, a heating circuit having interposed therein a pair of superposed contacts normally in spaced relation for normally opening said circuit, said contacts being supported from said receptacle and one being resilient, and shiftable means for moving the resilient contact to engage the other contact for closing the heating circuit.

2,072,781
PRIME-MOVER-ELECTRIC TRACTION SYSTEM
Donald John Watkins, Johann Hermann Abbink-Spaink, and Donald Challis Plyer, Newcastle-upon-Tyne, England, assignors to Sir W. G. Armstrong Whitworth & Co. (Engineers) Ltd., Newcastle-upon-Tyne, England
Application June 13, 1935, Serial No. 26,496
21 Claims. (Cl. 290—17)



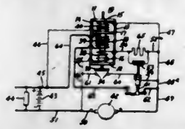
1. A prime-mover-electric traction installation for vehicles comprising a generator, a traction motor in electrical connection with the generator, a separately excited field winding for the generator of such dimensions that it is capable of exciting the generator so that the output thereof for one speed only of the traction motor substantially equals the prime mover output, a self excited field winding for the generator, and means for regulating the same such that the self excited field winding gives such additional excitation that the said means handles only the minimum wattage in making the generator output substantially equal to the prime mover output at all speeds of the traction motor.

2,072,782
NIPPLE PIERCING MACHINE
James B. Whitbread, Detroit, Mich., assignor to Cilocon Corporation, Detroit, Mich., a corporation of Michigan
Application October 31, 1935, Serial No. 47,588
6 Claims. (Cl. 164—60)



1. In a machine of the character described, a hollow work support having a slot therein, a cutter rotatably supported within said work support, means for moving said work support to expose said cutter through said slot, and a backing member movable with said work support and adapted to engage the work as the latter is carried into engagement with the cutter.

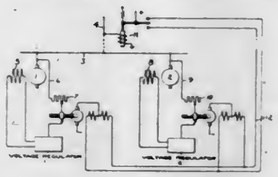
2,072,783
ELECTROMAGNETIC DEVICE
Harold F. Wilson, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application August 8, 1936, Serial No. 94,948
7 Claims. (Cl. 171—313)



1. The combination with a generator, a battery, and normally open switch means for connecting said generator to said battery, of electromagnetic means for effecting closure of said switch means comprising a magnetizable frame having opposed pole pieces, a magnetizable core normally biased to engage one of said pole pieces and movable toward a second one of said pole pieces to effect closure of said switch means, a single winding energizable in accordance with the voltage of said generator for producing a magnetic flux in said frame, said frame and said core being so arranged that the magnetic flux from said single winding exerts opposing magnetic forces on said core, one of said forces being predominating and constituting a holding force tending to maintain

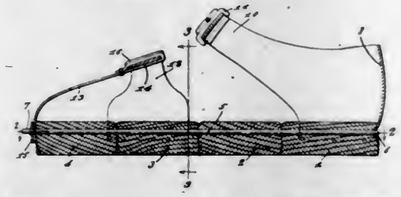
said core in engagement with said one pole piece and the other of said forces constituting an operating force tending to move said core toward said second pole piece, and a differential winding energizable in accordance with the difference between the generator voltage and the battery voltage for augmenting said holding force so long as said generator voltage is less than said battery voltage to prevent movement of said core by said operating force, and for opposing said holding force when said generator voltage exceeds said battery voltage, whereupon said operating force moves said core to effect closure of said switch means whenever said generator voltage exceeds said battery voltage by a predetermined amount.

2,072,784
VOLTAGE REGULATION
Adgor C. Wingo, Los Angeles, Calif., assignor to General Electric Company, a corporation of New York
Application October 9, 1935, Serial No. 44,235
7 Claims. (Cl. 171—312)



1. In an electrical power supply system, an electric generator connected to a power delivery circuit, an automatic regulator for maintaining the voltage of said generator substantially constant for any setting of the regulator, and automatic line drop compensating means comprising voltage sensitive means responsive to the voltage of a particular point on said circuit for varying the setting of said regulator in such a manner as to maintain the voltage at said point substantially constant regardless of the line drop between said point and said generator.

2,072,785
FOOTWEAR
Herman A. Wulff, St. Paul, Minn.
Application March 2, 1936, Serial No. 66,719
1 Claim. (Cl. 36—11.5)



A sandal comprising a sole including a plurality of wooden sections arranged in end to end relation and being relatively thick and flat with rounded upper edges for the confronting ends thereof, means extending longitudinally through the sections for flexibly connecting the sections together for individual movement, an upper for the sole and including a heel piece and a toe piece, means cooperating with the first mentioned means for securing the heel piece and toe piece to the sole, instep strap means for the heel piece and means for detachably securing the instep strap means together.

2,072,786
WILD GOOSE AND DUCK CALL
Joseph S. Yager, Greenville, Miss.
Application February 10, 1936, Serial No. 63,269
3 Claims. (Cl. 46—180)



1. A device of the class described comprising a hollow tube having a mouth-piece fixed within one end thereof, the opposite end of the tube being open, a slidable filler mounted within said hollow tube, a sound element adjustably mounted within said slidable filler, an operating loop fixed to said filler and extending longitudinally of the tube, said operating loop extending out through the open end of said tube whereby the outer end of the loop may be engaged by the finger of an operator for slidably adjusting said filler within the tube to provide a series of selected tonal effects when an operator blows through the mouth-piece.

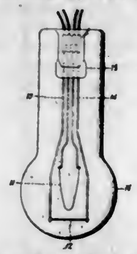
2,072,787
TANDEM WHEEL CHASSIS UNIT
Einar H. Anderson, Chicago, Ill.
Application February 1, 1933, Serial No. 654,746
12 Claims. (Cl. 280—80)



1. A tandem wheel chassis unit for land vehicles including, a set of tandem wheels, a rocking beam and means for pivotally mounting it on the side of a vehicle, a mounting for one of the wheels of the tandem set on said beam for holding the wheel so as to track substantially in a line parallel to the side of the vehicle, a caster mounting on said beam for the other of the wheels of the tandem set permitting said wheel to independently swivel with respect to the first said wheel, and means for operating on said caster mounting for restricting its swiveling.

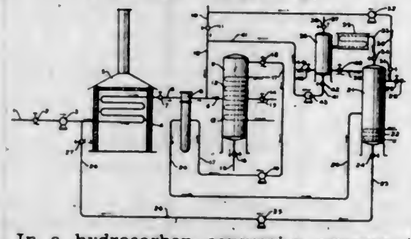
2,072,788
TANTALUM CARBIDE LAMP
Mary R. Andrews, deceased, late of Schenectady, N. Y., by Mary Andrews Westenderp, executrix, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 15, 1935, Serial No. 26,820
5 Claims. (Cl. 176—16)

1. An electric lamp comprising a container enclosing an incandescible filament containing tantalum carbide, a source of uncombined carbon and a quantity of carbon disulphide for supplying car-



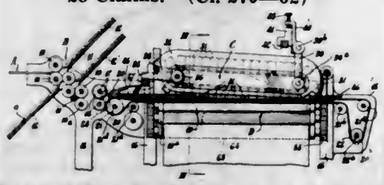
bon from said source to said carbide to counteract dissocation thereof during operation of said lamp.

2,072,789
HYDROCARBON PROCESS
Isaac Arthur Anson, Tulsa, Okla.
Application January 2, 1936, Serial No. 57,295
9 Claims. (Cl. 196—47)



1. In a hydrocarbon conversion process, the improvement which comprises converting hydrocarbons in a conversion zone, reducing substantially all the products of the conversion to the liquid phase including a substantial portion of the normally gaseous products of said conversion, separating and removing from the system highly carbonaceous products from relatively clean products while in the liquid phase, and withdrawing in the liquid state the mixture of clean products and said normally gaseous products for subsequent fractionation and separation.

2,072,790
PAPER FOLDING MACHINE
Max Apitzsch and Oscar Kleinschmit, Leipzig-Plagwitz, Germany, assignors to Gebruder Brehmer, Leipzig-Plagwitz, Germany, a German firm
Application October 16, 1935, Serial No. 45,322
In Germany January 31, 1935
25 Claims. (Cl. 270—62)



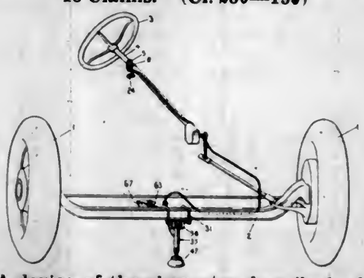
1. In a machine for folding sheets, a fold unit comprising co-operating fold rolls, work conveying means arranged to present a sheet to said rolls, a travelling guide member arranged to move along a path inclined to the longitudinal axes of said rolls and leading to the bite thereof, and means for moving said guide member along said path to engage the presented sheet and deflect it into the bite of said rolls.

2,072,791
ADJUSTABLE COMBINED ELEVATING AND SUPPORTING DEVICE
Lena M. Baer, Topeka, Kans.
Application May 20, 1936, Serial No. 80,900
1 Claim. (Cl. 248—161)



In an adjustable combined elevating and supporting means for a bed of the post type, an upstanding unit for receiving and supporting each post, said unit consisting of a base, a vertically adjustable standard anchored to the base, an open top combined castor wheel structure receiver, support and retarder element of segmental contour carried by the upper end of the standard, and an annular cup having its bottom formed with a diametrically disposed rectangular opening, said element being integral with the bottom of the cup and having its inner face registering with the edges of said opening.

2,072,792
DEVICE TO AID STEERING
John Lester Barr, Chevy Chase, Md., and James C. Houghton, Washington, D. C.; said Houghton assignor to said Barr
Application November 3, 1933, Serial No. 696,578
18 Claims. (Cl. 280—150)



1. A device of the character described adapted to facilitate steering having a compression element, means supporting and permitting at least limited universal movement of the top of the compression element, a foot having a universal socket with an oil groove therein, an absorbent packing in the groove, and a ball carried by the compression member adapted to be held in operative position in the socket.

2,072,793
METHOD OF FORMING ROLLS AND PASTRIES
Patrick J. Brennan, York, Pa., assignor of one-half to Edw. Fox Baking Co., Inc., York, Pa., a corporation of Pennsylvania
Application November 21, 1935, Serial No. 50,977
4 Claims. (Cl. 107—54)

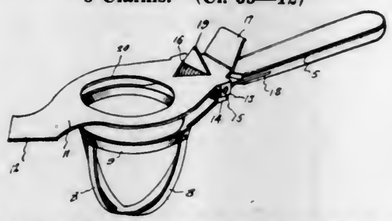
1. The method which comprises cutting a mass of dough to form a series of incisions extending

substantially radially from the midsection of said mass to points short of the periphery and from top to bottom of the mass, displacing the segmental sections defined by said incisions from their re-



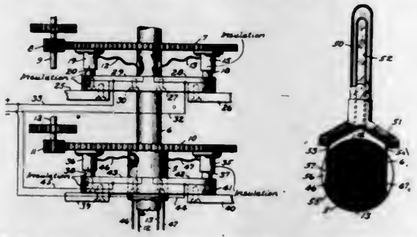
spective normal to substantially reversed positions by pivotal movement about their juncture areas, and thereafter baking the dough to form the finished article.

2,072,794
EGG HOLDER
Andrew Bruno, New York, N. Y.
Application December 5, 1935, Serial No. 53,080
3 Claims. (Cl. 65—12)



3. An egg holder comprising a handle, a cage supported by the handle for containing a hot egg, a plate pivotally supported on the handle and having an opening therein through which a portion of an egg can project, an extension on said plate forming a knife guide and a knife stop struck up from the plate in advance of the handle and an upturned extension on the plate adjacent the handle for manipulating the plate.

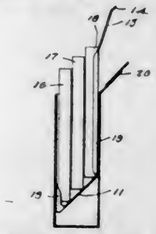
2,072,795
CLOCK
James W. Childs, Washington, D. C.
Application June 3, 1936, Serial No. 83,377
4 Claims. (Cl. 58—50)



3. In a clock the combination of a shaft having a pair of diametrically disposed recesses formed therein; a contact plate disposed in each recess; a hand comprising an incandescent electric light bulb having spaced filament terminals slidably engaging said plates for holding said bulb to said shaft; and electric current conductors secured to said plates and extending within said shaft for illuminating said bulb.

2,072,796
PACKAGE OPENER AND CONTENTS EXTRACTOR
Edwin B. Christopher, Wichita, Kans.
Application October 5, 1934, Serial No. 747,093
2 Claims. (Cl. 206—56)

1. In combination, a cigarette package and a flexible strip for projecting cigarettes from said package, said strip comprising a lift extending along the bottom of the package and immediately below the ends of a row of cigarettes, a follower pivoted to one end of the lift and extending vertically from the same the full depth of the package, operating means pivotally secured to the follower, and a drag pivotally secured to the other end of the lift and extending vertically

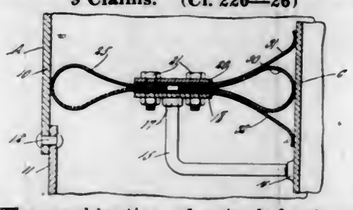


therefrom to lie detachably between the inner side wall of the package and one of the cigarettes of the row of the same, whereby when a pull is exerted on the operating means, the drag slides downwardly between the wall of the package and the cigarette to permit projection of the roll of cigarettes and the removal of the strip from the package without the withdrawal of the projected cigarettes from said package.

2,072,797
NUCLEAR HALOGENATED MIXED ETHERS AND PROCESS FOR PRODUCING THE SAME
Frank M. Clark and Walter M. Kutz, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application July 20, 1935, Serial No. 32,432
10 Claims. (Cl. 260—150)

1. A liquid insulating and dielectric material consisting of compounds in which a chlorinated aryl nucleus and an alkyl group are united to one another by oxygen, said material having a pour point of about minus 45° C. and a viscosity of 47 seconds at about 15° C.

2,072,798
SEALING MEANS FOR FLOATING ROOFS FOR TANKS
James M. Cranz, Buffalo, N. Y., assignor to Hewitt Rubber Corporation, Buffalo, N. Y.
Application July 30, 1932, Serial No. 626,375
9 Claims. (Cl. 220—26)



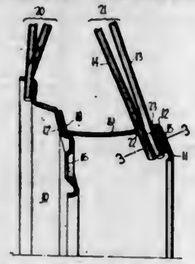
1. The combination of a tank having an upright wall, a roof within said tank arranged to float on the liquid in said tank and spaced from said wall of said tank, clamping means arranged in the space between said roof and said tank wall, brackets secured to said roof and supporting said clamping means and being adjustable to vary the distance of said clamping means from said roof, and sealing means comprising strips of flexible material gripped by said clamping member and extending from said clamping member into engagement with said tank wall and said roof.

2,072,799
CARD GAME
Homer Creswell, River Falls, Wis.
Application April 28, 1936, Serial No. 76,866
3 Claims. (Cl. 273—152)



1. A pack of playing cards comprising a plurality of groups of animal cards, the cards of each group bearing the representation of a respective game animal and having inscribed thereon numerals indicating respective bag limits and scoring values of the cards, and a plurality of groups of control cards, the control cards of each group displaying legends to direct the player in appropriating selected ones of the animal cards for scoring purposes.

2,072,800
WIRE SPOKE WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 27, 1932, Serial No. 613,911
11 Claims. (Cl. 301—59)

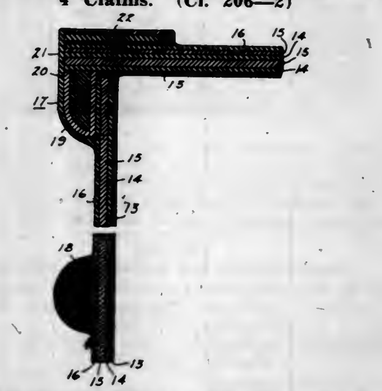


11. A wheel comprising a rim, a hub member, spokes interconnecting said rim and hub member crossing each other and having inner end securing portions and securing means for the inner spoke ends interiorly of said hub member affording radial securing seating areas for said crossed spokes, alternate annularly spaced adjacent, axially inwardly-facing seating areas of said securing portions being axially offset, said inner ends of the spokes being welded to said seating areas.

2,072,801
GAS PYROLYSIS
Wright W. Gary, Great Neck, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
No Drawing. Application November 30, 1934, Serial No. 755,413
6 Claims. (Cl. 196—10)

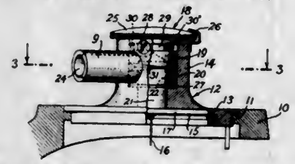
3. In a process for effecting the pyrogenic conversion of gaseous hydrocarbons in metallic apparatus, the effectiveness of which becomes reduced during the course of the operation, the steps which comprise interrupting the gas-conversion operation when the effectiveness of the apparatus becomes thus reduced, cooling the apparatus, pickling the interior surfaces of the apparatus with an acid solution to remove oxide film, removing said acid and re-employing the apparatus for gas conversion.

2,072,802
CONTAINER
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 19, 1934 Serial No. 753,719
4 Claims. (Cl. 206—2)



1. A nonmetallic acid container having integral body and head portions of nonmetallic laminated vulcanizable material, one of said portions having a bung opening therein and an annular member of hard rubber material within said opening, said member having a circumferential flange disposed between the laminations of said vulcanizable material.

2,072,803
REPRODUCER FOR PHONOGRAPHS
Joseph M. Lucarelle, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application December 31, 1934, Serial No. 759,916
10 Claims. (Cl. 274—27)

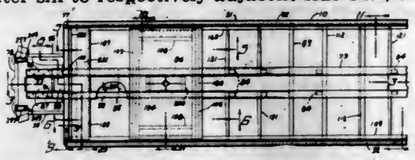


10. In a sound modifier of the character described, in combination, a pair of coaxial relatively rotatable contact members having radially aligning sound passages, means for gradually varying communication between said passages as they are moved out of alignment comprising a groove of gradually decreasing sectional area formed in the contact surface of one of said members, and means for rotating one of said members.

2,072,804
LIGHTWEIGHT VEHICLE UNDERFRAME
William H. Mussey and Martin P. Blomberg, Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Original application June 17, 1933, Serial No. 676,265. Divided and this application March 31, 1934, Serial No. 718,446
3 Claims. (Cl. 105—402)

1. In an underframe for vehicles including center and side sill members, an end sill comprising a continuous antitelescoping plate por-

tion extending between and connecting the side sills, a pair of U-shaped members having each a base plate portion with front and rear upstanding flanges extending from opposite sides of the center sill to respectively adjacent side sills, con-



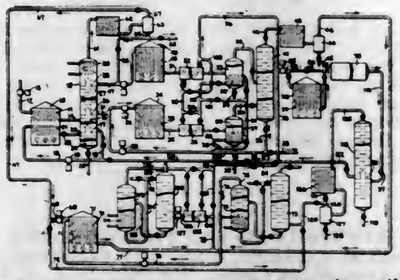
nections between said last mentioned flanges and the antitelescoping plate and reenforcing plates underlying and secured to the base plates of the respective U-shaped members and to respectively adjacent center and side sills.

2,072,805
CONVERSION OF HYDROCARBONS

Pike H. Sullivan, New Rochelle, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware

Application October 31, 1934, Serial No. 750,841

6 Claims. (Cl. 196—10)



6. A process for converting hydrocarbon oil into relatively low-boiling hydrocarbon oil suitable for use as motor fuel, which comprises subjecting heavy hydrocarbon oil to a mild cracking temperature, separating the mildly cracked products into tar and vapors, fractionating said vapors to condense a clean condensate, subjecting said clean condensate to more drastic temperature conditions to crack the same, fractionating the cracked products to recover a cracked gasoline distillate, a gas fraction comprising principally hydrogen and methane, and an intermediate fraction substantially free from hydrogen and methane, subjecting said intermediate fraction to elevated temperature and superatmospheric pressure effective to polymerize constituents thereof to normally liquid products, fractionating the polymerized products to recover a motor fuel fraction and a heavier reflux, and delivering said reflux to one of the aforementioned cracking operations to crack the same.

2,072,806
PROCESS FOR THE SEPARATION OF PRIMARY FROM SECONDARY ALCOHOLS

Dennistoun Wood, Jr., Palo Alto, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 6, 1933, Serial No. 650,508

4 Claims. (Cl. 260—156)

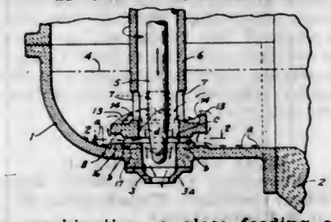
1. In a process for the separation of easily esterifiable portions from the more difficultly esterifiable portions of a mixture of oxygenated organic compounds obtained by the catalytic hydrogenation of carbon oxides under elevated temperature and pressure the steps which comprise esterifying the easily esterifiable portion of the mixture of compounds with an organic dibasic acid anhydride which forms therewith an ester, the boiling point of which is higher than the boiling point of the unesterified portion of the mixture of compounds, separating by distillation the resulting ester from the unesterified portion and by thermal decomposition splitting up the ester, thereby reforming the anhydride and the esterified portion.

2,072,807
MEANS FOR AND METHOD OF CONTROLLING FLOW OF GLASS TO A FEEDER OUTLET

James Bailey, Hamburg, N. Y., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application June 15, 1934, Serial No. 730,749

13 Claims. (Cl. 49—55)



1. In combination, a glass feeding container having an outlet submerged by a supply body of glass, and a rotating tubular member depending into the glass in the container in substantially axial alignment with the outlet, said tubular member having an enlarged head portion at its lower end and having a lateral port above said head portion for the inflow of glass from the supply body to the interior of said tubular member, said head having spiral vanes on its bottom surface spaced angularly around the bore of the tubular member and adapted as said tubular member rotates to impel glass outwardly between said head and the portion of the bottom of the container immediately surrounding the top of said outlet.

2,072,808
PROCESS OF PRODUCING DULL-LUSTER BACTERICIDAL FILAMENT

Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 11, 1934, Serial No. 747,895

10 Claims. (Cl. 106—40)

1. A cellulosic spinning solution for the manufacture of dull-luster, bactericidal cellulosic products comprising a cellulosic solution having an organosol emulsified therewith, said organosol including a plurality of colloidal, dissimilar metals dispersed in an organic liquid, said liquid being substantially immiscible with and inert to said cellulosic solution, and said metals being able to set up a potential difference in the presence of a minute amount of an electrolyte while being stable in said organic liquid and said cellulosic solution.

2,072,809
CELLULOSIC SPINNING SOLUTION

Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 20, 1934, Serial No. 749,271

8 Claims. (Cl. 106—40)

1. A spinning solution for the manufacture of products having bactericidal properties comprising a cellulosic spinning solution of the group consisting of viscose, cuprammonium cellulose, cellulose esters and cellulose ethers, a colloidal metal and a dissimilar colloidal metal salt dispersed therein, said metal salt being able to set up a potential difference in the presence of a colloidal metal and an electrolyte, and said metal and metal salt being chemically inert to said spinning solution.

2,072,810
SYNTHETIC RESIN AND METHOD OF PRODUCING

Hayward H. Coburn, Springfield, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 12, 1935, Serial No. 1,499

18 Claims. (Cl. 260—8)

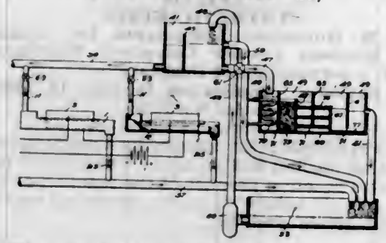
1. A synthetic resin comprising a reaction product of an alcohol and an acidic composition comprising a reaction product of the reaction of dipentene, maleic anhydride and a compound containing the abietyl radical.

2,072,811
ELECTROLYTIC APPARATUS AND METHOD

John T. Ellsworth, Ogden, Utah, assignor to Industrial Development Corporation, Boston, Mass., a corporation of Maine

Application July 11, 1935, Serial No. 30,871

12 Claims. (Cl. 204—10)



2. The method of forming electro-deposits of metal of the group comprising copper and zinc from copper or zinc bearing material respectively which comprises supplying an acid sulphate electrolyte of the metal, free from sludge, to an electrolytic cell having a cathode and a lead anode, passing the electrolyte through said cell in a stream of sufficient velocity to carry away from said cell sludge formed therein, and replenishing the metal content of the electrolyte discharged from said cell by causing sludge removed from said cell to be in suspension in the electrolyte and causing the electrolyte containing the suspended sludge intimately to contact with said metal bearing material for dissolving metal into the electrolyte.

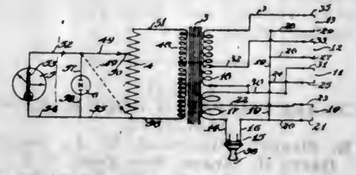
2,072,812
ELECTRICAL CIRCUIT TIMER

John R. Galt, St. Paul, Minn., assignor of fifteen per cent to Cyrus C. De Coster, St. Paul, Minn.

Application December 4, 1936, Serial No. 114,187

4 Claims. (Cl. 161—15)

1. An electric circuit timer comprising in combination a transformer having a plurality of related, series connected, primary windings, means adapted to selectively connect said windings to an energizing circuit, a secondary winding, a variable impedance connected across the terminals of said secondary winding, a synchronous motor connected from a variable element of said impedance, a time indicating device operatively



connected to said motor and an electrically actuated indicating element having an actuating voltage substantially equal to that of said synchronous motor and connected in parallel therewith.

2,072,813
GARBAGE CONTAINER

William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application September 14, 1935, Serial No. 40,530

4 Claims. (Cl. 4—290)



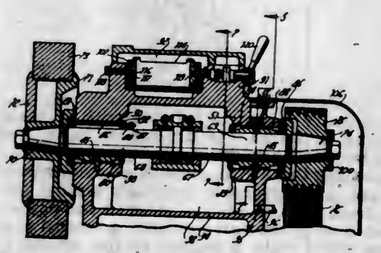
1. In a garbage receptacle for cooperation with a drain of a sink, a container, a drain member in said container, and a leg adjacent said drain member for supporting the container with its drain member in substantial registry with at least a portion of the drain of the sink, said leg being adapted to comprehend only a minor portion of the drain of the sink in effecting support of the container.

2,072,814
GRINDING MACHINERY

Frederick S. Haas, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio

Application January 3, 1934, Serial No. 705,106

6 Claims. (Cl. 308—73)



1. In a spindle supporting mechanism the combination of a housing, a spindle associated with the housing and having journal portions thereon, bearing portions formed in the housing to receive the spindle journals, segmental bearing shoes between the housing bearing portions and spindle journals, said shoes having an arcuate bearing portion and an arcuate back, plane surfaced pads associated with the housing for contact with the arcuate back of the shoes and having line contact with said shoes whereby they may rock, a cap on the housing and having bearing portions formed therein complementary to

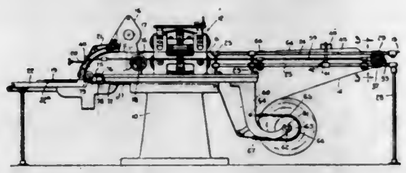
the housing bearing portions, screws carried by the cap and projecting into the bearing portions thereof and having a plane inner surface, and segmental shoes each having an arcuate back between the screws and spindle journals and which arcuate backs contact the plane face of the screws whereby said shoes may rock on the plane surface of the screws.

2,072,815

CIGARETTE PAPER BOOKMAKING MACHINE

Paul R. Heygel, Ridgefield, N. J., assignor to Harry H. Straus, New York, N. Y.

Application December 27, 1933, Serial No. 704,071
18 Claims. (Cl. 270—41)



1. In a cigarette paper bookmaking machine, the combination of paper guiding means, and a combined enclosing wrapper guiding and folding means, arranged in overlapping relation to one another, each having an entrance end and an exit end, and with the exit end of the paper guiding means adjacent to and extending into the entrance end of the wrapper guiding and folding means.

2,072,816

VALVE FOR AERATING LIQUID VESSELS

Valentine J. Hill, Jr., Bloomfield, N. J., assignor to Walter Kidde Sales Company, Bloomfield, N. J., a corporation of Delaware

Application July 5, 1935, Serial No. 29,872
5 Claims. (Cl. 225—18)



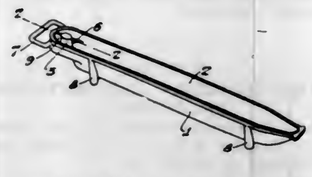
1. A valve adapted for use with a vessel for aerating a liquid comprising a valve body, a chamber in the body, a discharge passage communicating therewith, a spout associated with the passage, a valve proper normally sealing the passage from the chamber, a stem in the passage associated with the valve proper, a second chamber in the valve body, a button in the second chamber associated with the stem, a recess in the valve body in the second chamber, a gasket in the recess surrounding the stem, a cupped washer resting on the gasket, a spring in the second chamber surrounding the stem and bearing on the button and the cupped washer to thereby maintain the passage closed, a relief outlet communicating with the first chamber, a frangible disc in the relief outlet, a capped bushing in the relief outlet, and a slotted opening in the capped bushing to permit direct communication between the vessel and the atmosphere upon rupture of the frangible disc.

2,072,817

INGOT MOLD FOR CASTING TYPE METAL PIGS

Elmer H. Hostetler, Los Angeles, Calif., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application August 10, 1936, Serial No. 95,211
2 Claims. (Cl. 22—139)



1. An ingot mold for casting a type metal pig having a supporting eye for feeding it into the molten metal in the metal pot of a line casting machine and discharging the unconsumed portion thereof into the pot, said mold comprising an elongated trough-shaped portion for casting the body of the pig, a core extending upwardly in the trough adjacent to one end and to the top thereof for casting a supporting eye in the pig, and a slot-forming web of less width than but of the full height of said core and extending therefrom to the adjacent wall of the trough for casting an open slot from the eye to the exterior of the pig cast in said trough.

2,072,818

SYNTHETIC RESIN

Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 12, 1935, Serial No. 1,501
17 Claims. (Cl. 260—8)

1. A synthetic resin comprising a reaction product of an alcohol and an acidic composition comprising a reaction product of the reaction of a pinene, maleic anhydride and a compound containing the abietyl radical.

2,072,819

COMPOSITION OF MATTER AND METHOD OF PRODUCING

Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 7, 1935, Serial No. 9,805
20 Claims. (Cl. 260—8)

1. A synthetic resin comprising a reaction product of an alcohol with a product of the reaction of an abietic acid ester and maleic anhydride.

2,072,820

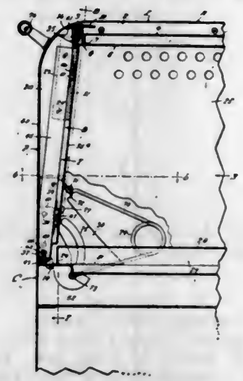
OVEN AND THE LIKE

Charles J. Kessler, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application November 4, 1935, Serial No. 48,104
13 Claims. (Cl. 126—190)

3. An oven or the like comprising top, sides and bottom, the front edge of the top being spaced inwardly from the corresponding edges of the sides, door stops extending down the sides and inclined forwardly from about the plane of the front edge of the top, and a wedge-shaped door inset between the front ends of the sides

and whose outer surface is substantially flush with the front edges of the sides and merges with



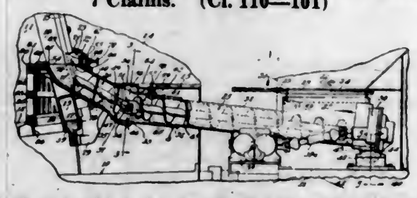
the upper surface of the top when the door is in engagement with said stops.

2,072,821

STOKER

Joseph B. MacKenzie, Erie, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware

Application January 23, 1935, Serial No. 3,058
7 Claims. (Cl. 110—101)



1. In combination with a furnace having a wall comprising an inner and an outer surface, and an opening in said wall extending between the inner and outer surfaces thereof, a conduit for feeding fuel to the furnace, said conduit having a fuel discharge mouth in the lower portion of said opening directed upwardly thereinto, one edge of said mouth being disposed adjacent the inner surface of said furnace wall and the opposite edge of said mouth extending to a point rearward of the outer surface of said furnace wall, a casing on said conduit extending above that portion of said fuel discharge mouth disposed rearward of the outer surface of said furnace wall, a door cooperating with said casing for closing that portion of the opening in said furnace wall above the fuel discharge mouth of said conduit, means for urging fuel through said conduit and through the mouth thereof, and means in said casing acting on the fuel emerging from said mouth for projecting the fuel into the furnace.

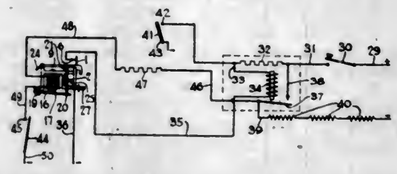
2,072,822

HEATING UNIT CIRCUIT BREAKER

Robert J. Parsons, Schenectady, N. Y., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y., a corporation of New York

Application December 19, 1933, Serial No. 703,041
9 Claims. (Cl. 219—20)

2. A heating arrangement including a heater circuit; electric heating means in said circuit; a control circuit for said heater circuit; an electromagnetic relay included in, and operated by, said control circuit, and adapted to establish and break said heating circuit; exclusively automatic means for operating said control circuit, comprising a thermostat; a secondary control circuit



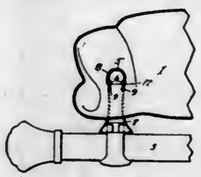
for said heating circuit comprising an electromagnetic circuit-breaker, and a second thermostat co-operating therewith exclusively for breaking said heater circuit; and an exclusively manually operable means for re-setting said circuit-breaker to re-establish said heater circuit.

2,072,823

HANDLE CONNECTION

Frank F. Plack, Cleveland, Ohio, assignor to The Dickey-Grabler Company, Cleveland, Ohio, a corporation of Ohio

Application June 3, 1936, Serial No. 83,278
4 Claims. (Cl. 16—112)



1. In a handle, the combination of an arm which, adjacent its upper end, is of channel formation and is extended laterally in the direction of its open side to form an elbow, the arm having fingers projecting from its edge below and in spaced relation to the underneath edges of the elbow, and a base having an opening in which the elbow is inserted and on whose lower edge the elbow fulcrums when the outer end of the arm is swung upwardly, the base having also an aperture below said opening in which each of said fingers is inserted, the outer edge of the aperture being inclined downwardly and inwardly to serve as a cam that deflects the finger inwardly and then bends it edgewise when the arm is first swung as aforesaid thereby to dispose the end of the finger inside and in substantial overlapping relation to the adjacent edge of the elbow.

2,072,824

METHOD OF MAKING CASTOR OIL SOAP

Oney P. Puryear, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application May 7, 1934, Serial No. 724,463
3 Claims. (Cl. 87—5)

1. The method of preparing an oil-soluble castor oil soap product, which comprises forming a mixture of castor oil and castor oil soap, said mixture being normally insoluble in mineral lubricating oils, heating the mixture to a temperature of around 500° F. and maintaining the

temperature for sufficient time to vaporize a portion of the mixture in sufficient amount to render the mixture soluble in mineral oil.

2,072,825

CONDENSATION PRODUCTS FROM HYDROXYLATED CYCLIC COMPOUNDS AND ACETYLENE

Walter Reppe and Ernst Keyssner, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application June 30, 1933, Serial No. 678,478. In Germany July 9, 1932

12 Claims. (Cl. 260—2)

1. The process of producing condensation products which comprises causing acetylene to act at a temperature between about 100° and about 300° C. on a hydroxylated cyclic compound in the presence of a zinc or cadmium salt of a carboxylic acid.

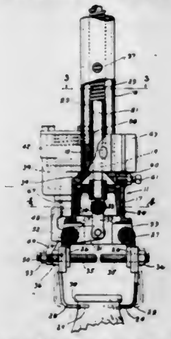
2,072,826

ARTICLE TRANSFERRING MECHANISM

Clare S. Riley, Windsor, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application June 5, 1935, Serial No. 25,015

16 Claims. (Cl. 294—88)



1. Article transferring mechanism, comprising a support, tongs on said support arranged to be opened and closed and to grasp articles to be transferred at a receiving position and deposit the articles after movement of said support at a delivery position, means for closing said tongs to grasp an article at the receiving position, and means for imparting to said tongs a predetermined part only of their opening movement to release an article at the delivery position and thereafter for completing the opening movement of said tongs.

2,072,827

METHOD OF AND APPARATUS FOR FEEDING MOLTEN GLASS

George E. Rowe, Wethersfield, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application August 18, 1934, Serial No. 740,418

5 Claims. (Cl. 49—55)

1. The method of feeding molten glass in mold charges which comprises, causing glass to issue downwardly from a discharge outlet to form a columnar mass in suspension below the outlet, positively constricting a portion of said suspended mass at a plane located below said outlet and at a distance above the level of the lower end of the suspended mass not substantially less than the length of the mold charge desired, and severing said charge from the suspended mass at



a plane below said plane of constriction of a portion of said mass.

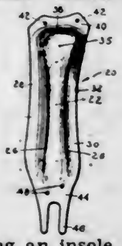
2,072,828

ORTHOPEDIC SHOE

Victor T. Schmidt, Long Island City, N. Y., assignor to I. Miller & Sons, Inc., Long Island City, N. Y., a corporation of New York

Application March 4, 1935, Serial No. 9,128

1 Claim. (Cl. 36—76)



In a shoe having an insole, an outsole and a welt, a shank stiffener comprising a metal plate disposed between said insole and outsole extending to the forward end of the longitudinal arch, said plate being arched longitudinally between its ends and having a rounded convexity on one surface thereof adjacent its forward end and a corresponding concavity on its other surface, a plurality of spaced ribs extending longitudinally of said plate having their forward ends merged into said convexity, and a rib extending longitudinally of said plate and merged into said concavity and a transverse rib adjacent said concavity forwardly thereof and longitudinal marginal edge portions extending on opposite sides of said longitudinal ribs and merged into said transverse rib, said marginal edge portions of the plate extending transversely under the marginal edge portions of the welt at the shank of the shoe, a flat end portion forwardly of said transverse rib extending laterally beyond said convexity at both sides thereof, and means for securing said flat end portion to said insole.

2,072,829

N-METHYL-C,C-ALLYL-ISOPROPYL-BARBITURIC ACID AND PROCESS FOR MANUFACTURE OF THE SAME

Otto Schnider, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application May 8, 1936, Serial No. 78,733. In Switzerland May 17, 1935

1 Claim. (Cl. 260—33)

N-methyl-C,C-allyl-isopropyl-barbituric acid melting at 56–57° C., boiling at 176–178° C./12 mm., being easily soluble in the usual organic solvents and possessing valuable therapeutic properties.

2,072,830

METHOD OF PRODUCING DIHYDRO FOLLICULAR HORMONES

Erwin Schwenk, Montclair, N. J., and Bradley Whitman, New York, N. Y., assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application November 29, 1935, Serial No. 52,084. In Germany November 29, 1934

13 Claims. (Cl. 260—154)

1. The method of reducing the keto group of a keto cyclopentano phenanthrene compound having an unsaturated first ring while leaving such ring substantially unattacked, which comprises dissolving such compound in an aqueous alkaline solution, and then adding thereto a non-alkali metal capable of generating hydrogen in such solution.

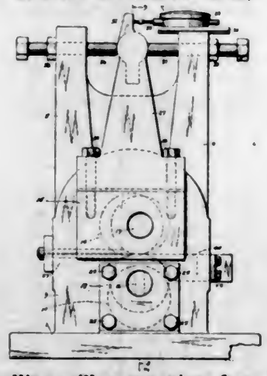
2,072,831

ROLLING MILL

Dean M. Solenberger, Cleveland, Ohio, assignor to Simplex Products Corporation, a corporation of Ohio

Application February 26, 1935, Serial No. 8,322

13 Claims. (Cl. 80—31.1)



1. In a rolling mill, a one-piece frame including a base and spaced leg portions extending upwardly from said base, each of said leg portions having spaced holes formed therein to accommodate roll shaft bearing blocks, roll shaft bearing blocks having cylindrical bushing portions and bearing surfaces eccentrically disposed in said bushing portions, rolls disposed between said spaced leg portions of the base and carried by shafts mounted in said eccentrically disposed bearings in said bearing block bushings, said bushings being supported in said holes in said leg portions, the bearing blocks for one roll being fixed to said frame and the bearing blocks for the other roll being rotatable in said holes in said legs whereby said last mentioned roll may be moved toward and away from the other roll.

2,072,832

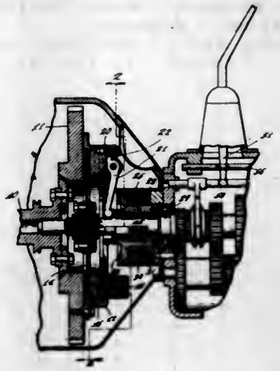
CLUTCH

Jarl M. Weydell, Indianapolis, Ind., assignor of one-half to Edward E. Stout, Indianapolis, Ind.

Application February 8, 1932, Serial No. 591,577

9 Claims. (Cl. 192—3.5)

1. In combination, a friction clutch having rotatable driving and driven members relatively axially movable into and out of engagement, yielding means tending to force said two clutch members into clutching engagement, clutch-controlling means including a clutch-control member axially movable in one direction to engage said friction clutch and in the other direction to disengage it, said clutch-control member being rotatable with said driving clutch member, a rotatable sleeve mounted in axially fixed position, reversible screw-threads operatively intercon-



necting said clutch-control member and said sleeve, and electro-magnetic brake means associated with said sleeve and operating when energized to oppose rotation of said sleeve, whereby upon rotation of said driven clutch member and said clutch-control member the friction clutch will be disengaged.

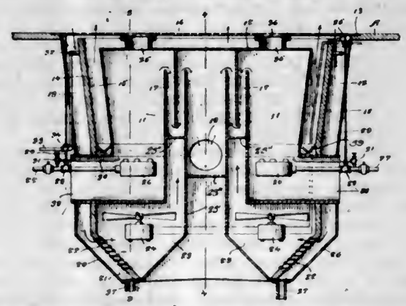
2,072,833

COMBINATION HEATING AND COOLING UNIT

Frederick S. Baird and Carl H. Marsh, Ada, Okla.

Application February 10, 1936, Serial No. 63,223

3 Claims. (Cl. 126—116)



1. A unit of the character described comprising a casing having a grated top and a downwardly tapered lower end, separated twin fire boxes interiorly of said casing, a wall about said fire boxes and spaced from the casing and also said fire boxes to effect air inlet and outlet spaces through said grated top, the wall being extended into the tapered lower end of said casing and inwardly angled at its lower portion, the angled areas of said wall being formed with windows, partitions and webbings arranged within the said wall and constituting therewith fan chambers beneath the fire boxes, fans operating within said chambers, the louvered windows establishing communication between the chambers and the air inlet space, a water spray located in the air inlet space between the casing and said wall, and lateral housings formed with the fire boxes

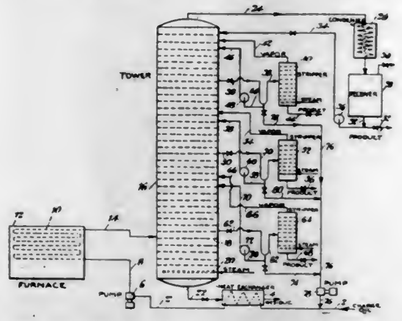
and opening reversely to each other through opposite sides of said casing and carried through said wall.

2,072,834

FRACTIONAL DISTILLATION OF LIQUIDS

Angus R. Blakey, South Orange, N. J., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware

Application April 10, 1935, Serial No. 15,541
8 Claims. (Cl. 196—94)



6. The process of fractionating petroleum oil vapors to produce a plurality of fractional condensates therefrom, which comprises passing the vapors upwardly through a fractionating tower countercurrent to the passage of reflux condensates flowing downwardly through a multiplicity of vapor-liquid contact stages in the tower, withdrawing a plurality of side stream condensates from said tower at various points therealong, passing a portion of each side stream at approximately its withdrawal temperature into the tower at a point a plurality of contact stages above the point of its withdrawal and below the point of withdrawal of the next lower boiling point condensate, and passing the remaining portion of each side stream into a side stream stripper where lower boiling point constituents are stripped therefrom, and passing the vapors resulting from each stripping operation into the tower below the point of withdrawal of the next lower boiling point condensate.

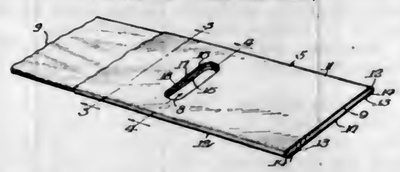
7. The process of fractionating petroleum oil vapors for the purpose of obtaining a plurality of fractional condensates therefrom, which comprises passing vapors of the petroleum oil to be fractionated through a series of rectifying zones of progressively decreasing temperature in a fractionating tower, effecting intimate contact between vapor and liquid reflux in each zone, passing reflux condensate downwardly through said tower countercurrent to said vapors, withdrawing a side stream condensate from said tower as a fraction of said oil, introducing an oil fraction of approximately the boiling point of said withdrawn side stream condensate at approximately the temperature of the withdrawn condensate at the time of its withdrawal into the tower at a point sufficiently above the point of withdrawal of said fraction to secure a series of stages of intimate contact between ascending vapors and said introduced oil fraction above said point of withdrawal, and causing a similar material contained in the tower to flow downwardly therethrough to a point below the point of withdrawal of said fraction whereby said fraction is withdrawn from a zone containing an abnormally high proportion or concentration of the constituents of said fraction.

2,072,835

VENETIAN BLIND SLAT

George D. Dodge, Evanston, Ill.

Application May 10, 1934, Serial No. 724,941
9 Claims. (Cl. 156—17)



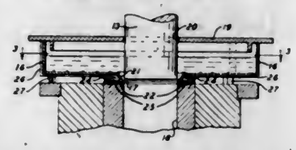
1. In a Venetian blind, a non-resonant slat comprising a non-metallic filler and a thin sheet metal cover for the filler crimped about the edge of the filler.

2,072,836

APPARATUS FOR CHARGING RECEPTACLES

Cecil A. Hallam, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Original application September 4, 1931, Serial No. 561,141. Divided and this application October 12, 1932, Serial No. 637,452
3 Claims. (Cl. 207—1)



1. In an apparatus for charging an extrusion press cylinder having a cooperating ram normally retirable from the cylinder to permit charging of the same through the ram entrance aperture thereof, a receptacle for a bath of fused material supported upon the cylinder and having an aperture in the bottom thereof provided with a beveled edge for providing an entrance into the cylinder and aligned with the ram entrance aperture of the cylinder, and a cover for the receptacle to exclude the atmosphere therefrom.

2,072,837

METHOD OF FORMING HEADED TACKS OF CELLULOID OR LIKE PLASTIC COMPOSITION

Eric Helm, Waterbury, Conn.

Application October 23, 1934, Serial No. 749,683
3 Claims. (Cl. 18—59)



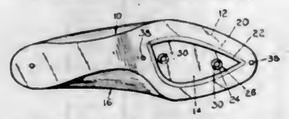
1. The process of forming headed tacks having color embodying cellulose material applied about the head of such tacks, which comprises reclaiming photographic cellulose material in web form, applying the desired color upon solely one face of such web, dieing cup-shaped portions from such web, applying such cup-shaped portions individually about the heads of such tacks with the color applied face immediately adjacent the respective heads of such tacks, and crimping the respective flanges of such cup-shaped portions under the respective heads of such tacks.

2,072,838

LAST AND LAST ATTACHMENT

Charles Miller, Long Island City, N. Y.; Ida Gordon Miller executrix of said Charles Miller, deceased

Application November 12, 1934, Serial No. 752,563
1 Claim. (Cl. 12—107)



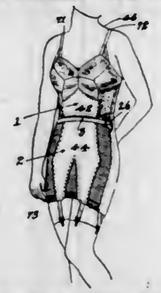
A device of the kind described comprising a plate for covering a portion of the bottom of a last, said plate comprising a layer of flexible material and provided with one or more apertures therethrough and eyelets secured to said plate at said apertures.

2,072,839

DETACHABLE COMBINATION GARMENT

Philip H. Robbins, New York, N. Y., assignor to Poirette Corsets, Inc., New York, N. Y.

Application October 20, 1936, Serial No. 106,647
10 Claims. (Cl. 2—30)



1. A combination garment comprising an upper and a lower element for encompassing the body of the wearer, the upper portion of the lower element being encompassed by the lower portion of the upper element, spaced aligned front anchoring devices forwardly of the axillary lines of the lower element, spaced aligned rear anchoring devices rearwardly of the axillary lines of the lower element, elastic loop forming means at the bottom of the front of the upper element slidably and detachably engaging in said front anchoring devices for elastically coupling the front of the upper element to the front of the lower element, and elastic loop forming means at the bottom of the back of the upper element slidably and detachably engaging with said rear anchoring devices for elastically coupling the back of the upper element to the back of the lower element.

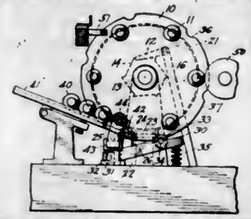
2,072,840

MANDREL REGISTERING MECHANISM FOR ENAMELING MACHINES

George W. Temple, New York, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York

Application November 8, 1935, Serial No. 48,943
2 Claims. (Cl. 91—60)

1. In a machine for operating upon collapsible tubes, a turret having a series of arcuate notches in the peripheral edge thereof, the extremities of the walls of said notches being reversely rounded, a mandrel carried by the turret adjacent each of said notches, driving means including a ratchet wheel for intermittently rotating the turret, and spring-pressed means registering with the notches for positioning selected mandrels in respective tube-mounting, enameling, and enameled-tube dismounting positions, said last-mentioned means including a revoluble roller arranged to roll on the peripheral edge of the turret during the time that said driving means rotates the turret and to enter one of the notches at the end of each rotational movement of the turret, and to leave the notch entered thereby at the beginning of each of said rotational movements, a lever pivoted at one end and a spring engaging and urging the other end of the lever toward the turret, said roller being pivoted to the lever intermediate said ends.

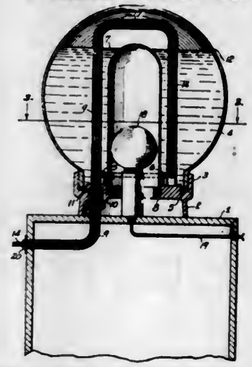


2,072,841

DISPLAY DEVICE

Joe E. Tracey, Ponca City, Okla., and Edward M. Phelps, Cincinnati, Ohio, assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

Application March 16, 1934, Serial No. 715,840
3 Claims. (Cl. 40—130)



1. A display device comprising in combination a support, a sealed transparent housing secured to said support, a translucent member secured to said support within and in spaced relation to said transparent member, liquid in the space formed by said housing and said member, means for bubbling air through said liquid, a vent pipe for said space passing through said support and illuminating means positioned in said translucent member.

2,072,842

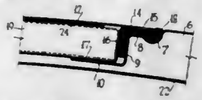
VEHICLE ROOF STRUCTURE

George Trautvetter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 16, 1934, Serial No. 706,796
1 Claim. (Cl. 296—137)

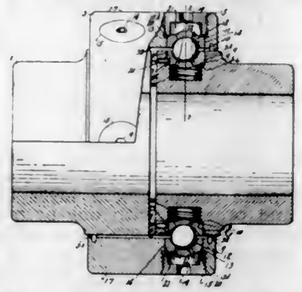
In a vehicle, a sheet metal roof-supporting header of double angle, vertical cross-section pro-

viding upper and lower rabbets with vertical and horizontal walls, the upper rabbet having a top-opening channel in the horizontal bottom wall next the side wall, a sheet metal roof panel having a marginal edge lying in the said upper rabbet with its upper surface flush with the upper surface of the header and its peripheral edge and lower marginal surface spaced away from the vertical and horizontal walls, respectively, of the upper rabbet, a depending portion on the roof panel resting directly on the bottom horizontal wall of



the lower rabbet with its peripheral edge portion spaced away from the side wall of the lower rabbet, said relation of parts forming a Z-section space between the header and the roof panel, and a thick Z-section body of adherent waterproof material filling the said top-opening channel, sealing the Z-shaped space between the header and the roof panel and extending vertically upwardly between the vertical wall of the upper rabbet and the peripheral edge of the roof panel to the outer face of the roof.

2,072,843
FLEXIBLE COUPLING
Emmet G. Stack, Marshfield, Oreg.
Application May 18, 1936, Serial No. 80,321
7 Claims. (Cl. 64—15)

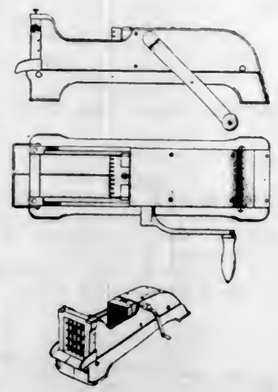


1. In a flexible coupling, in combination, a driving hub, a driven hub, a floating ring encircling the hubs, balls for locking elements between the periphery of each hub and the ring, and resilient means in radial alignment with the balls adapted to float the ring.

DESIGNS

MARCH 2, 1937

103,384
DESIGN FOR A POTATO SLICER
Samuel Bloomfield, Chicago, Ill.
Application November 3, 1936, Serial No. 65,682
Term of patent 3½ years



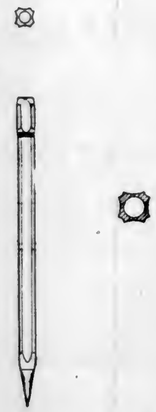
The ornamental design for a potato slicer, as shown and described.

103,385
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
Marcel Boucher, Eltingville, N. Y., assignor to Mazer Brothers, New York, N. Y.
Application November 3, 1936, Serial No. 65,668
Term of patent 3½ years



The ornamental design for a brooch pin or similar article substantially as shown.

103,386
DESIGN FOR A LEAD PENCIL
Isidor Chesler, West Orange, N. J., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application April 29, 1936, Serial No. 62,369
Term of patent 14 years



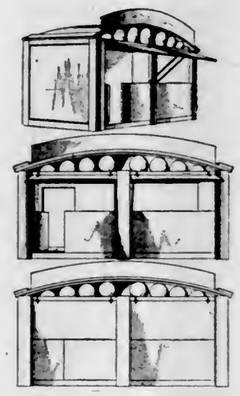
The ornamental design for a lead pencil, as shown.

103,387
DESIGN FOR A LEAD CONTAINER
Isidor Chesler, West Orange, N. J., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application April 29, 1936, Serial No. 62,370
Term of patent 14 years



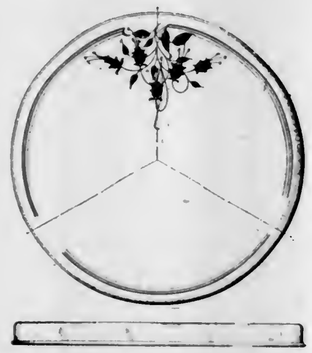
The ornamental design for a lead container, as shown.

103,388
DESIGN FOR A STORE
George W. Clapp, New York, N. Y.
Application December 22, 1936, Serial No. 66,690
Term of patent 14 years



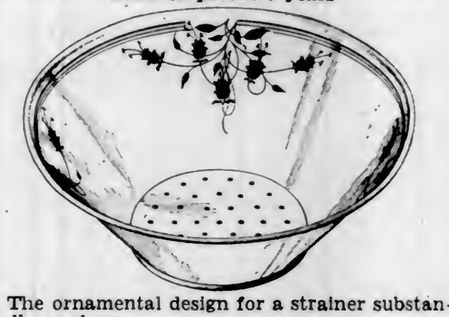
The ornamental design for a store as shown and described.

103,389
DESIGN FOR A CONTAINER CLOSURE
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application January 9, 1937, Serial No. 66,980
Term of patent 7 years



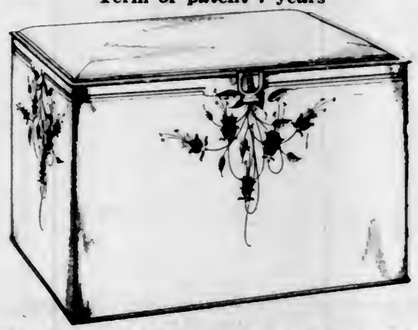
The ornamental design for a container closure substantially as shown and described.

103,390
DESIGN FOR A STRAINER
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application January 9, 1937, Serial No. 66,981
Term of patent 7 years



The ornamental design for a strainer substantially as shown.

103,391
DESIGN FOR A BREAD BOX
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application January 9, 1937, Serial No. 66,982
Term of patent 7 years



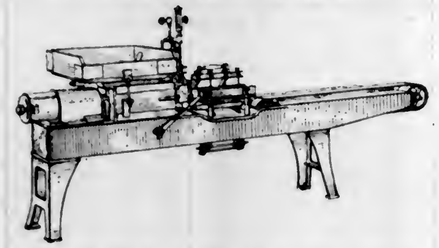
The ornamental design for a bread box substantially as shown and described.

103,392
DESIGN FOR A TRAY
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application January 21, 1937, Serial No. 67,169
Term of patent 7 years



The ornamental design for a tray substantially as shown.

103,393
DESIGN FOR A PRINT DEVICE FOR DAIRY PRODUCTS
Charles Doering, Chicago, Ill.
Application December 21, 1935, Serial No. 60,221
Term of patent 14 years



The ornamental design for a print device for dairy products substantially as shown and described.

103,394
DESIGN FOR AN ILLUMINATED ADVERTISING DEVICE
John Frei, Jr., Chicago, Ill.
Application March 20, 1936, Serial No. 61,715
Term of patent 14 years



The ornamental design for an illuminated advertising device, as shown and described.

103,395
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Irving E. Grossmann, New Rochelle, N. Y.
Application January 21, 1937, Serial No. 67,199
Term of patent 3½ years



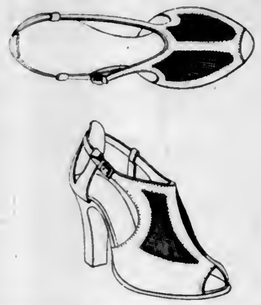
The ornamental design for a shoe or similar article, substantially as shown.

103,396
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Irving E. Grossmann, New Rochelle, N. Y.
Application January 21, 1937, Serial No. 67,200
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

103,397
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Irving E. Grossmann, New Rochelle, N. Y.
Application January 21, 1937, Serial No. 67,201
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

103,398
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Irving E. Grossmann, New Rochelle, N. Y.
Application January 21, 1937, Serial No. 67,202
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

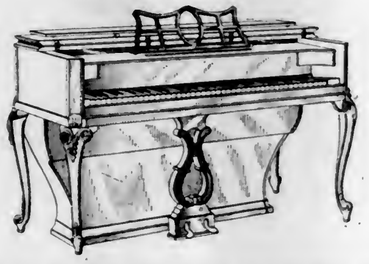
103,399
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Irving E. Grossmann, New Rochelle, N. Y.
Application January 21, 1937, Serial No. 67,203
Term of patent 3½ years





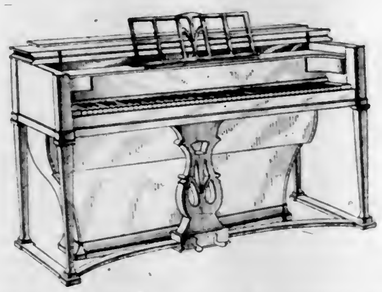
The ornamental design for a shoe or similar article, substantially as shown.

103,400
DESIGN FOR AN UPRIGHT PIANO
Henry R. Heller, Larchmont, N. Y.
Application November 27, 1936, Serial No. 66,163
Term of patent 3½ years



The ornamental design for an upright piano, substantially as shown.

103,401
DESIGN FOR AN UPRIGHT PIANO
Henry R. Heller, Larchmont, N. Y.
Application November 27, 1936, Serial No. 66,164
Term of patent 3½ years



The ornamental design for an upright piano, substantially as shown.

103,402
DESIGN FOR A PENCIL OR SIMILAR ARTICLE
Alfonso Iannelli, Park Ridge, Ill., assignor to The Wahl Company, Chicago, Ill., a corporation of Delaware
Application December 18, 1936, Serial No. 66,615
Term of patent 14 years



The ornamental design for a pencil or similar article substantially as shown and described.

103,403
DESIGN FOR A PENCIL OR SIMILAR ARTICLE
Alfonso Iannelli, Park Ridge, Ill., assignor to The Wahl Company, Chicago, Ill., a corporation of Delaware
Application December 18, 1936, Serial No. 66,616
Term of patent 14 years



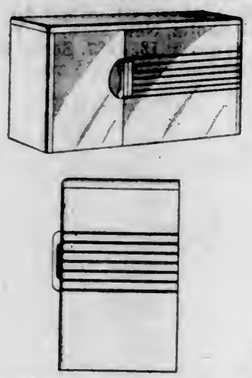
The ornamental design for a pencil or similar article substantially as shown and described.

103,404
DESIGN FOR A COMBINATION SPOUT AND COVER SHIELD OR THE LIKE
Nellie Renée Liddle, New York, N. Y.
Application November 20, 1936, Serial No. 66,046
Term of patent 14 years



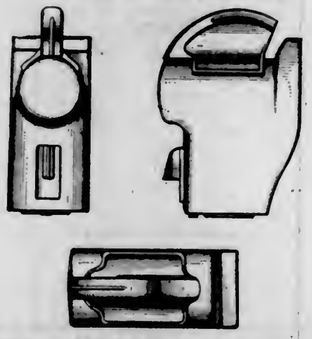
The ornamental design for a combination spout and cover shield or the like as shown.

103,405
DESIGN FOR A WALL CABINET
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 27, 1936, Serial No. 66,149
Term of patent 3½ years



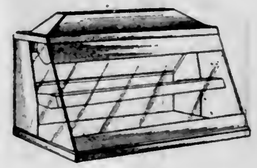
The ornamental design for a wall cabinet, as shown.

103,406
DESIGN FOR A WRINGER HEAD OR SIMILAR ARTICLE
Julian L. Perkins, West Springfield, Mass.
Application March 5, 1936, Serial No. 61,493
Term of patent 3½ years



The ornamental design for a wringer head or similar article, as shown.

103,407
DESIGN FOR A DISPLAY CASE
Franklin J. Petzke, Minneapolis, Minn., assignor to Johnson Nut Company, Minneapolis, Minn.
Application December 30, 1936, Serial No. 66,799
Term of patent 3½ years





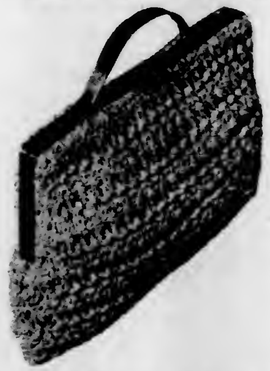
The ornamental design for a display case as shown.

103,408
DESIGN FOR A GARDEN CHAIR
Henry R. Reischmann, New York, N. Y.
Application January 8, 1937, Serial No. 66,943
Term of patent 7 years



The ornamental design for a garden chair, substantially as shown, and described.

103,409
DESIGN FOR A TWINE BAG
Leo Schwarz, New York, N. Y.
Application January 23, 1937, Serial No. 67,258
Term of patent 3½ years



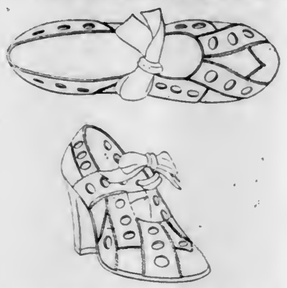
The ornamental design for a twine bag, substantially as shown, and described.

103,410
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application January 18, 1937, Serial No. 67,128
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

103,411
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application January 18, 1937, Serial No. 67,129
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

103,412
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application January 18, 1937, Serial No. 67,130
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

103,413
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application January 18, 1937, Serial No. 67,131
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

103,414
DESIGN FOR A PINKING TRIMMER OR SIMILAR ARTICLE
Victor J. Sigoda, Brooklyn, N. Y.
Application March 25, 1936, Serial No. 61,774
Term of patent 14 years



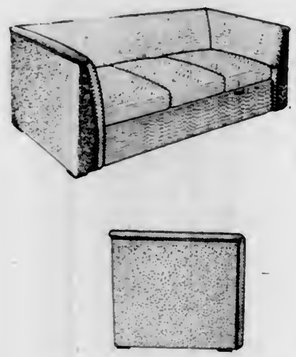
The ornamental design for a pinking trimmer or similar article, substantially as shown, and described.

103,415
DESIGN FOR A HAND MIRROR OR SIMILAR ARTICLE
Max H. Storch, Bell Harbor, N. Y.
Application November 3, 1936, Serial No. 65,665
Term of patent 3½ years



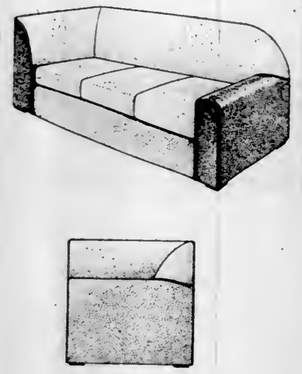
The ornamental design for a hand mirror or similar article substantially as shown and described.

103,416
DESIGN FOR A SOFA OR SIMILAR ARTICLE
Norval Tyrrell, New York, N. Y.
Application January 28, 1937, Serial No. 67,313
Term of patent 3½ years



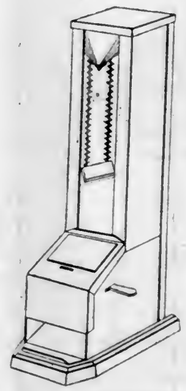
The ornamental design for a sofa or similar article, substantially as shown.

103,417
DESIGN FOR A SOFA OR SIMILAR ARTICLE
Norval Tyrrell, New York, N. Y.
Application January 28, 1937, Serial No. 67,314
Term of patent 3½ years



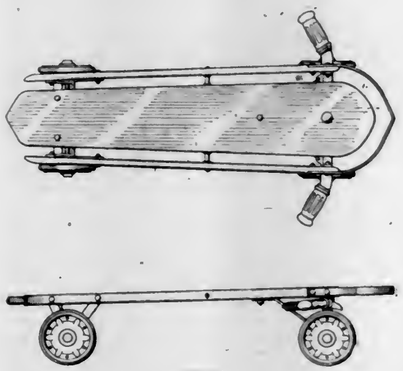
The ornamental design for a sofa or similar article, substantially as shown.

103,418
DESIGN FOR A COIN OPERATED DISPENSING DEVICE
Albert M. Walzer, Minneapolis, Minn.
Application June 1, 1936, Serial No. 62,943
Term of patent 3½ years



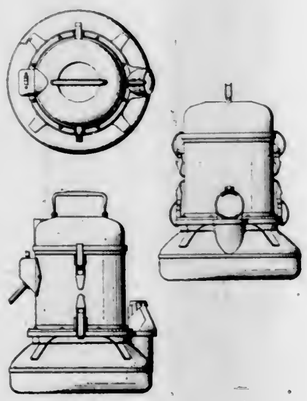
The ornamental design for a coin operated dispensing device, as shown.

103,419
DESIGN FOR A WHEELED COASTER
Frank G. Birkhead, Philadelphia, Pa., assignor to S. L. Allen & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application January 2, 1937, Serial No. 66,861
Term of patent 14 years



The ornamental design for a wheeled coaster substantially as shown.

103,420
DESIGN FOR A VACUUM CLEANER
Clarence A. Brock, Detroit, Mich., assignor to Rexair Corporation, Detroit, Mich., a corporation of Michigan
Application January 2, 1937, Serial No. 66,865
Term of patent 14 years



The ornamental design for a vacuum cleaner as shown.

103,421
DESIGN FOR A TEXTILE FABRIC
Oscar J. Cahn, New York, N. Y.
Application February 27, 1936, Serial No. 61,377
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

103,422
DESIGN FOR A WASTE BASKET OR SIMILAR CONTAINER
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application December 12, 1936, Serial No. 66,502
Term of patent 7 years



The ornamental design for a waste basket or similar container substantially as shown and described.

103,423
DESIGN FOR TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application May 18, 1935, Serial No. 56,904
Term of patent 14 years



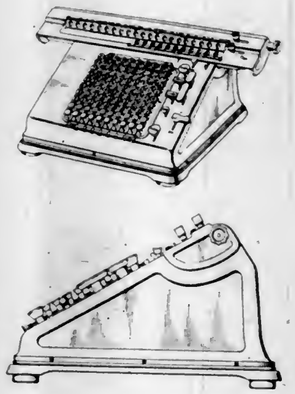
The ornamental design for textile fabric as described and shown.

103,424
DESIGN FOR A TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application May 18, 1935, Serial No. 56,906
Term of patent 14 years



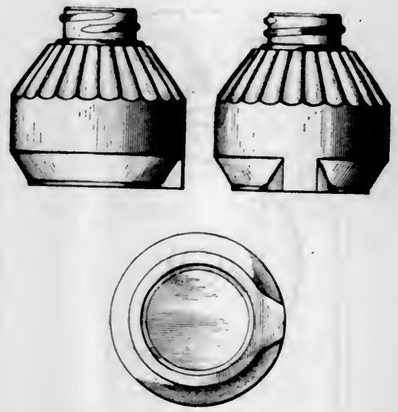
The ornamental design for a textile fabric as described and shown.

103,425
DESIGN FOR A CALCULATING MACHINE WITH SHIFTABLE CARRIAGE
Carl M. F. Friden, Oakland, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application January 20, 1936, Serial No. 60,668
Term of patent 14 years



The ornamental design for a calculating machine with shiftable carriage, as shown and described.

103,426
DESIGN FOR A BOTTLE
Edwin W. Fuerst, Toledo, Ohio, assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application June 19, 1936, Serial No. 63,381
Term of patent 3½ years



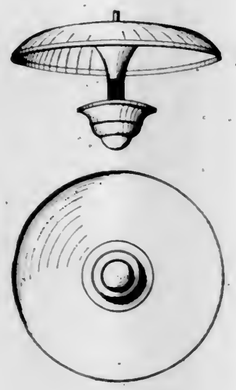
The ornamental design for a bottle substantially as shown.

103,427
DESIGN FOR A LADY'S HOSE OR SIMILAR ARTICLE
Philip Gerton, New York, N. Y.
Application December 11, 1936, Serial No. 66,479
Term of patent 14 years



The ornamental design for a lady's hose or similar article, substantially as shown and described.

103,428
DESIGN FOR AN ILLUMINATING FIXTURE
Edwin F. Guth, Webster Groves, Mo.
Application June 4, 1936, Serial No. 63,008
Term of patent 3½ years



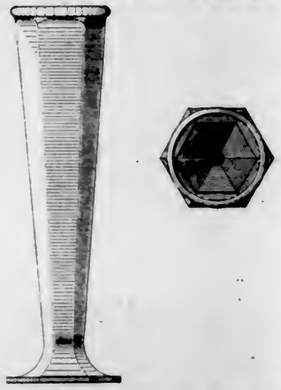
The ornamental design for an illuminating fixture, substantially as shown.

103,429
DESIGN FOR AN ASHTRAY
Thomas M. House, Richmond, Va.
Application May 2, 1936, Serial No. 62,432
Term of patent 7 years



The ornamental design for an ashtray, as shown.

103,430
DESIGN FOR A DRINKING VESSEL
Louis A. Leppke, Omaha, Nebr.
Application July 13, 1936, Serial No. 63,824
Term of patent 14 years



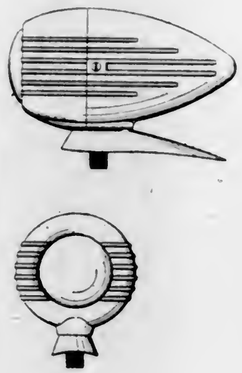
The ornamental design for a drinking vessel substantially as shown.

103,431
DESIGN FOR A BRAID OR SIMILAR ARTICLE
Hugo Mehler, Buny-Hut Farms, Pa.
Application January 16, 1937, Serial No. 67,087
Term of patent 7 years



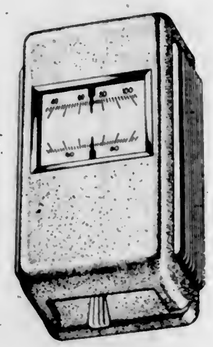
The ornamental design for a braid or similar article, as shown.

103,432
DESIGN FOR A LAMP OR SIMILAR ACCESSORY FOR VEHICLES
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application July 20, 1936, Serial No. 63,942
Term of patent 14 years



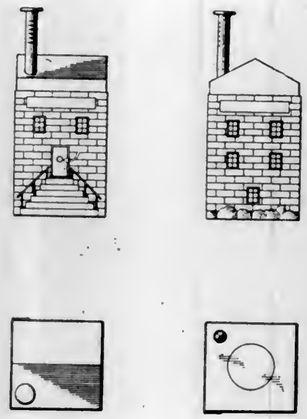
The ornamental design for a lamp or similar accessory for vehicles, as shown.

103,433
DESIGN FOR A THERMOSTAT CASE OR SIMILAR ARTICLE
William A. Ray, San Francisco, Calif.
Application January 2, 1937, Serial No. 66,864
Term of patent 7 years



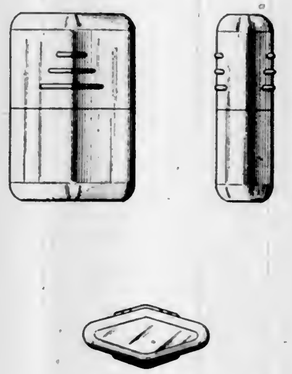
The ornamental design for a thermostat case or similar article, as shown.

103,434
DESIGN FOR AN INSECT POISON CONTAINER
John B. Rosefield, Oakland, Calif.
Application December 14, 1936, Serial No. 66,519
Term of patent 14 years



The ornamental design for an insect poison container, as shown.

103,435
DESIGN FOR A CASING FOR PYROPHORIC LIGHTERS
Hans Silberknopf, Vienna, Austria
Application January 6, 1937, Serial No. 66,913
Term of patent 7 years



The ornamental design for a casing for pyrophoric lighters, as shown.

103,436
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Francis Tausend, New York, N. Y.
Application January 11, 1937, Serial No. 66,990
Term of patent 3½ years



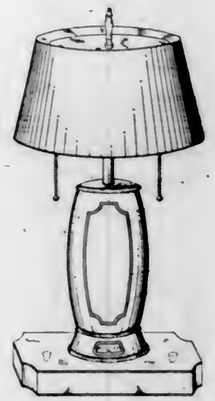
The ornamental design for a tablecloth or similar article, substantially as shown and described.

103,437
DESIGN FOR AN OPHTHALMIC MOUNTING
Joel Cheney Wells, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 23, 1936, Serial No. 60,749
Term of patent 14 years



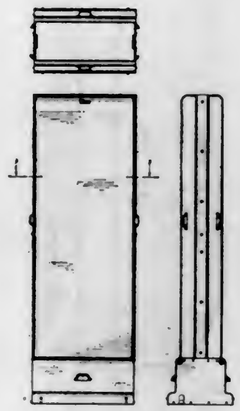
The ornamental design for an ophthalmic mounting substantially as shown and described.

103,438
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application November 9, 1936, Serial No. 65,805
Term of patent 14 years



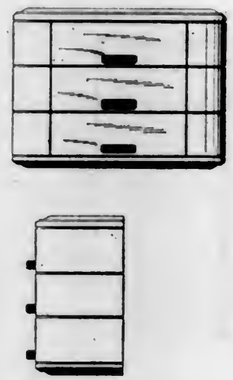
The ornamental design for a combined lamp and radio receiving set substantially as shown and described.

103,439
DESIGN FOR A SWITCHBOARD CASING
Victor I. Cruser, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 12, 1936, Serial No. 66,494
Term of patent 3½ years



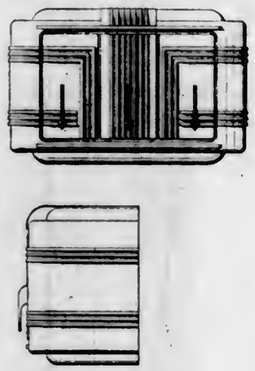
The ornamental design for a switchboard casing as shown.

103,440
DESIGN FOR A VEHICLE HEATER CASING OR THE LIKE
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application July 20, 1936, Serial No. 63,937
Term of patent 14 years



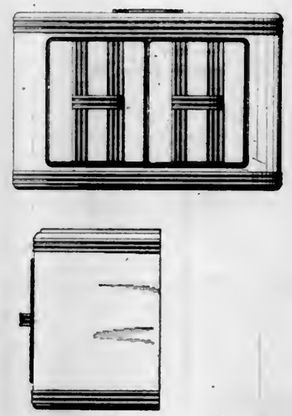
The ornamental design for a vehicle heater casing or the like, as shown.

103,441
DESIGN FOR A VEHICLE HEATER CASING OR THE LIKE
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application July 20, 1936, Serial No. 63,938
Term of patent 14 years



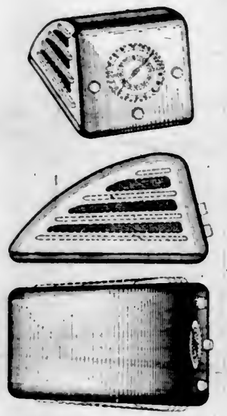
The ornamental design for a vehicle heater casing or the like, as shown.

103,442
DESIGN FOR A VEHICLE HEATER CASING OR THE LIKE
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application July 20, 1936, Serial No. 63,941
Term of patent 14 years



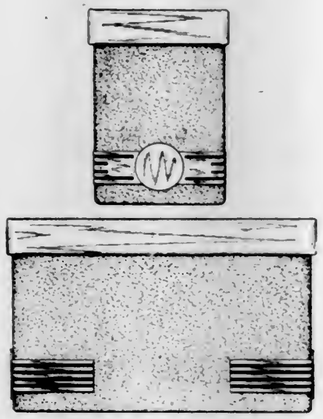
The ornamental design for a vehicle heater casing or the like, as shown.

103,443
DESIGN FOR A RADIO CABINET
Joseph Price, Chicago, Ill., assignor to Pacific Radio Corporation, Chicago, Ill., a corporation of Illinois
Application July 25, 1936, Serial No. 64,041
Term of patent 7 years



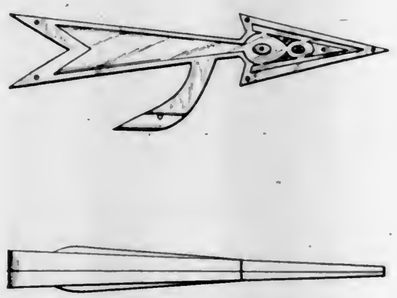
The ornamental design for a radio cabinet, as shown.

103,444
DESIGN FOR A STORAGE BATTERY CASE
Willard L. Reinhardt, Shaker Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application December 31, 1936, Serial No. 66,826
Term of patent 14 years



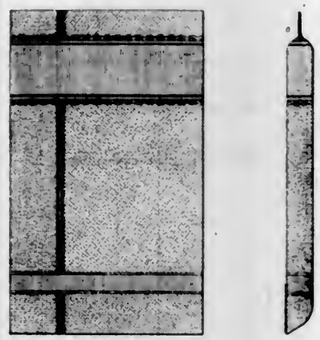
The ornamental design for a storage battery case substantially as shown and described.

103,445
DESIGN FOR AN AUTOMOBILE RADIATOR ORNAMENT
Winfield Scott Scroggs, Waka, Tex.
Application December 19, 1936, Serial No. 66,656
Term of patent 3½ years



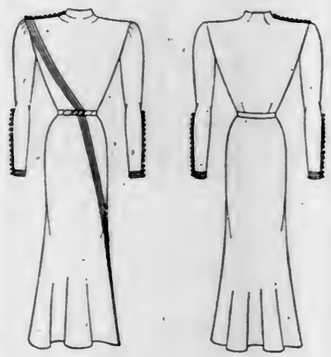
The ornamental design for an automobile radiator ornament as shown and described.

103,446
DESIGN FOR A CONTAINER
Fred W. Amend, Evanston, Ill., assignor to Fred W. Amend Co., Chicago, Ill., a corporation of Illinois
Application June 25, 1936, Serial No. 63,488
Term of patent 7 years



The ornamental design for a container as shown.

103,447
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y., assignor to Alexander S. Gross, Inc., New York, N. Y., a corporation of New York
Application December 8, 1936, Serial No. 66,388
Term of patent 3½ years



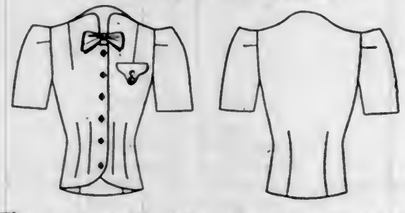
The ornamental design for a dress as shown and described.

103,448
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application November 9, 1936, Serial No. 65,803
Term of patent 14 years



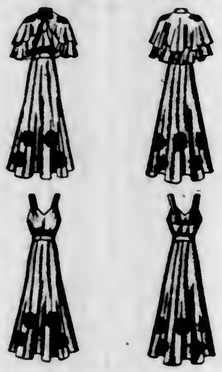
The ornamental design for a combined lamp and radio receiving set substantially as shown and described.

103,449
DESIGN FOR A BLOUSE
Irving Geist, New York, N. Y.
Application January 28, 1937, Serial No. 67,312
Term of patent 3½ years



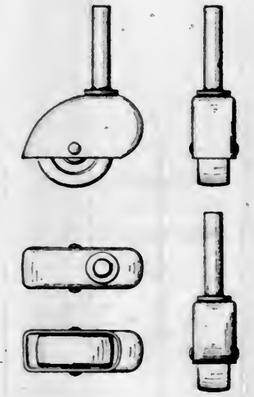
The ornamental design for a blouse, substantially as shown.

103,450
DESIGN FOR AN ENSEMBLE DRESS
Larry Gredinger, New York, N. Y.
Application December 11, 1936, Serial No. 66,467
Term of patent 3½ years



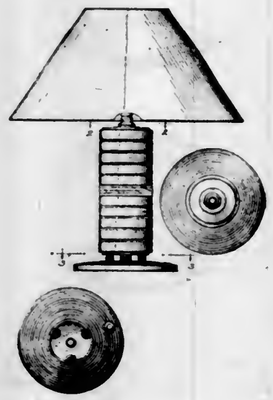
The ornamental design for an ensemble dress, substantially as shown.

103,451
DESIGN FOR A CASTER
Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application June 12, 1936, Serial No. 63,247
Term of patent 14 years



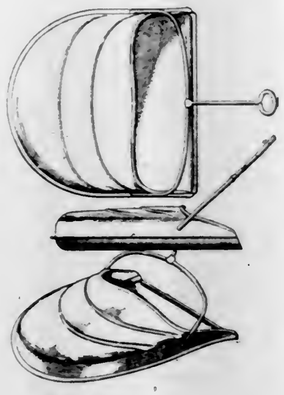
The ornamental design for a caster, as shown and described.

103,452
DESIGN FOR A LAMP
James H. Horsley, Chicago, Ill.
Application January 25, 1937, Serial No. 67,268
Term of patent 14 years



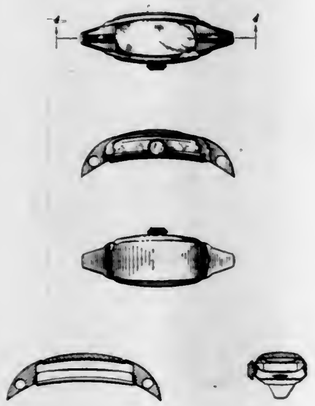
The ornamental design for a lamp, substantially as shown and described.

103,453
DESIGN FOR A DUSTPAN OR THE LIKE
George McStay Jackson, Lake Bluff, Ill., assignor to The Quickwork Company, Chicago, Ill., a corporation of Ohio
Application January 6, 1937, Serial No. 66,928
Term of patent 14 years



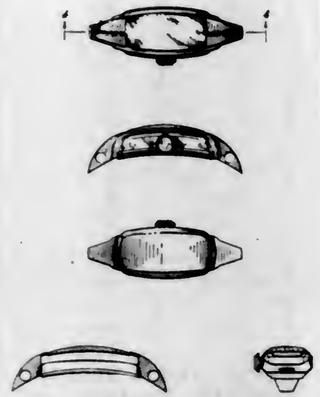
The ornamental design for a dustpan or the like, substantially as shown and described.

103,454
DESIGN FOR A WATCHCASE
Benjamin S. Katz, Cincinnati, Ohio, assignor to The Gruen Watch Company, Cincinnati, Ohio, a corporation of Ohio
Application November 6, 1936, Serial No. 65,732
Term of patent 7 years



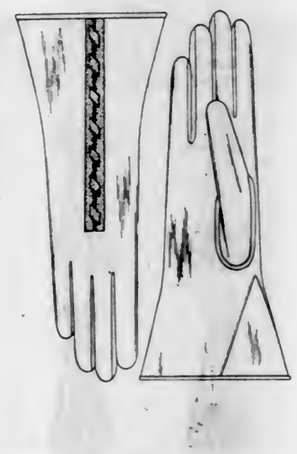
The ornamental design for a watchcase substantially as shown.

103,455
DESIGN FOR A WATCHCASE
Benjamin S. Katz, Cincinnati, Ohio, assignor to The Gruen Watch Company, Cincinnati, Ohio, a corporation of Ohio
Application November 6, 1936, Serial No. 65,733
Term of patent 7 years



The ornamental design for a watchcase substantially as shown.

103,456
DESIGN FOR A GLOVE
Frank J. Kaufmann, Tribes Hill, N. Y.
Application January 23, 1937, Serial No. 67,256
Term of patent 3½ years



The ornamental design for a glove, substantially as shown.

103,457
DESIGN FOR A DRESS
David Kell, New York, N. Y.
Application December 11, 1936, Serial No. 66,466
Term of patent 3½ years



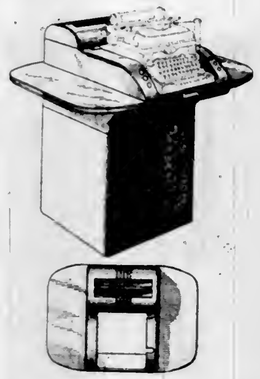
The ornamental design for a dress, substantially as shown.

103,458
DESIGN FOR A DRESS
Irwin Kranz, New York, N. Y.
Application January 27, 1937, Serial No. 67,304
Term of patent 3½ years



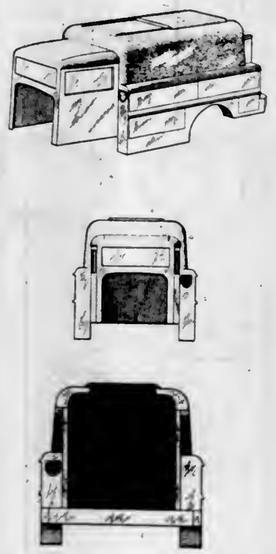
The ornamental design for a dress substantially as shown.

103,459
DESIGN FOR A COMBINED AUTOMATIC TYPEWRITER AND STAND
Otto Kuhler, Grantwood, N. J., assignor to Automatic Business Machines, Inc., Pittsburgh, Pa., a corporation of Delaware
Application February 4, 1936, Serial No. 60,971
Term of patent 14 years



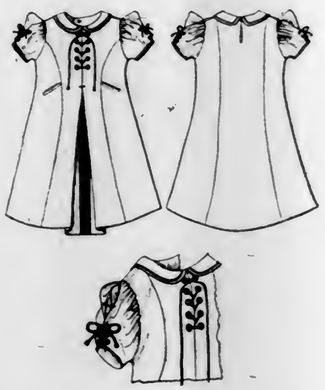
The ornamental design for a combined automatic typewriter and stand as shown and described.

103,460
DESIGN FOR A VEHICLE BODY
Neil P. Larsen, Cleveland, Ohio, assignor to American Coach & Body Company, Cleveland, Ohio, a corporation of Ohio
Application April 20, 1936, Serial No. 62,216
Term of patent 14 years



The ornamental design for a vehicle body as shown and described.

103,461
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 1, 1936, Serial No. 66,224
Term of patent 3½ years



The ornamental design for a dress as shown and described.

103,462
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 2, 1936, Serial No. 66,247
Term of patent 3½ years



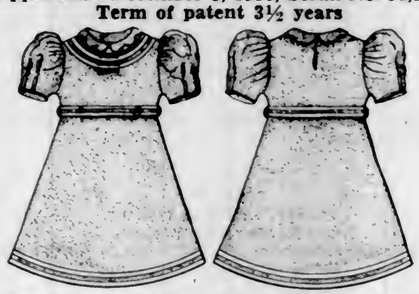
The ornamental design for a dress, as shown and described.

103,463
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 2, 1936, Serial No. 66,248
Term of patent 3½ years



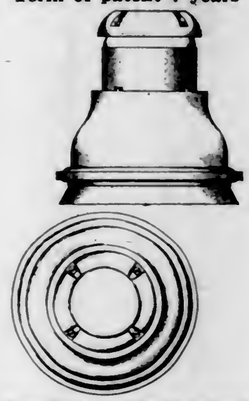
The ornamental design for a dress, as shown.

103,464
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 8, 1936, Serial No. 66,377
Term of patent 3½ years



The ornamental design for a dress, as shown.

103,465
DESIGN FOR A CASING FOR POLISHING MACHINES
Nathaniel N. Okun, New York, N. Y.
Application August 28, 1936, Serial No. 64,619
Term of patent 7 years



The ornamental design for a casing for polishing machines, as shown.

103,466
DESIGN FOR AN ELECTRIC SOCKET
Frederick R. Reutter, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application February 8, 1936, Serial No. 61,043
Term of patent 14 years



The ornamental design for an electric socket as shown.

103,467
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application January 26, 1937, Serial No. 67,288
Term of patent 3½ years



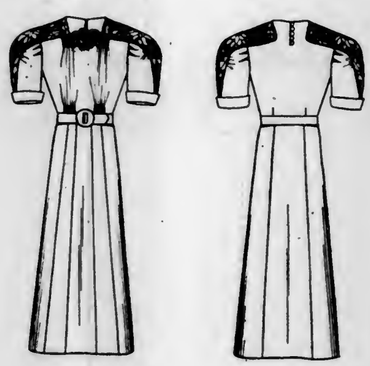
The ornamental design for a dress, substantially as shown, and described.

103,468
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application January 26, 1937, Serial No. 67,289
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

103,469
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application January 26, 1937, Serial No. 67,290
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

103,470
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application January 27, 1937, Serial No. 67,299
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

103,471
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application January 27, 1937, Serial No. 67,300
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

103,472
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application January 28, 1937, Serial No. 67,311
Term of patent 3½ years



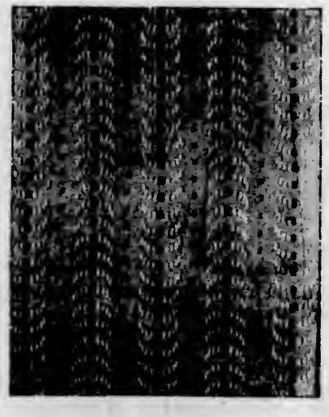
The ornamental design for a dress, substantially as shown, and described.

103,473
DESIGN FOR AN ENSEMBLE DRESS
Philip Schlessel, New York, N. Y.
Application January 23, 1937, Serial No. 67,259
Term of patent 3½ years



The ornamental design for an ensemble dress, substantially as shown and described.

103,474
DESIGN FOR A CURTAIN FABRIC
Ira Strauss, New York, N. Y.
Application February 4, 1937, Serial No. 67,442
Term of patent 3½ years



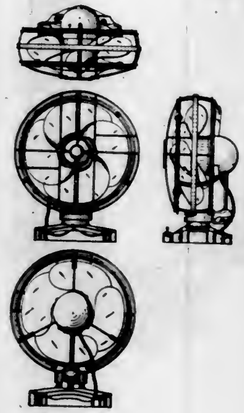
The ornamental design for a curtain fabric, substantially as shown.

103,475
DESIGN FOR A CURTAIN FABRIC
Ira Strauss, New York, N. Y.
Application February 4, 1937, Serial No. 67,443
Term of patent 3½ years



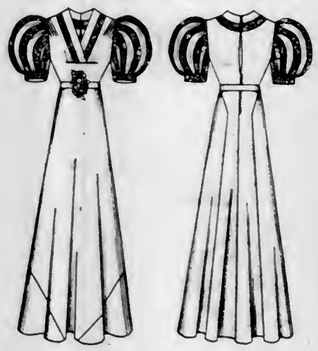
The ornamental design for a curtain fabric, substantially as shown.

103,476
DESIGN FOR A DESK FAN
Victor Weber, St. Louis, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application November 6, 1936, Serial No. 65,730
Term of patent 14 years



The ornamental design for a desk fan substantially as shown.

103,477
DESIGN FOR A DRESS
Philip Wenett, New York, N. Y.
Application January 28, 1937, Serial No. 67,309
Term of patent 3½ years



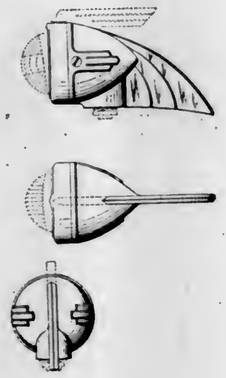
The ornamental design for a dress, substantially as shown.

103,478
DESIGN FOR A DRESS ENSEMBLE
Philip Wenett, New York, N. Y.
Application January 30, 1937, Serial No. 67,358
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown, and described.

103,479
DESIGN FOR A VEHICLE LAMP
Lee M. Wiley, Marion, Ind., assignor to Delta Electric Company, Marion, Ind., a corporation of Indiana
Application December 30, 1936, Serial No. 66,814
Term of patent 3½ years



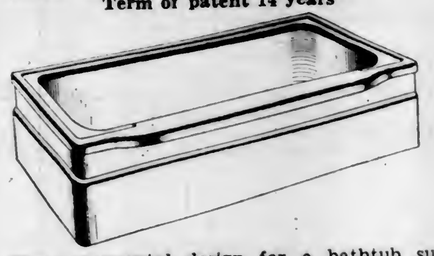
The ornamental design for a vehicle lamp as shown.

103,480
DESIGN FOR A DRESS
Philip Zahn, New York, N. Y.
Application January 19, 1937, Serial No. 67,144
Term of patent 3½ years



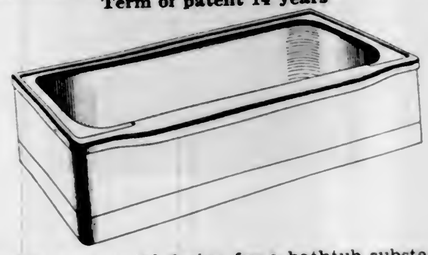
The ornamental design for a dress, substantially as shown, and described.

103,481
DESIGN FOR A BATHTUB
John A. Callahan, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Original application April 26, 1935, Serial No. D. 56,586. Divided and this application November 21, 1935, Serial No. D. 59,687
Term of patent 14 years



The ornamental design for a bathtub substantially as shown and described.

103,482
DESIGN FOR A BATHTUB
John A. Callahan, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Original application April 26, 1935, Serial No. D. 56,586. Divided and this application November 21, 1935, Serial No. D. 59,688
Term of patent 14 years



The ornamental design for a bathtub substantially as shown and described.

Patents Nos. 2,072,844 to 2,073,599

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March 9, 1937

Trade-Marks	323—No.	343,789 to No.	344,111, inclusive.
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Labels	25—No.	49,050 to No.	49,074, inclusive.
Prints	6—No.	16,105 to No.	16,110, inclusive.
Reissues	11—No.	20,281 to No.	20,291, inclusive.
Plant Patents	2—No.	236 to No.	237, inclusive.
Patents	756—No.	2,072,844 to No.	2,073,599, inclusive.
Designs	74—No.	103,483 to No.	103,556, inclusive.
Total	1,240		

Trade-Marks—Philippine Islands—Period for Opposition to Registration

DECEMBER 1, 1936.
COMMERCE ADMINISTRATIVE ORDER No. 8-2

Subject: Further amending section 20 of Commerce Administrative Order No. 8.

1. Section 20 of Commerce Administrative Order No. 8, issued on May 11, 1934, is hereby further amended so as to read as follows:

"Sec. 20. Any person who believes that his interests or rights would be prejudiced by registration of a trade-mark or a trade-name used on cigars or cigarettes may oppose the same by filing a written notice of opposition stating the ground therefor with the Director of Commerce within fifteen days after the last publication of the application in the OFFICIAL GAZETTE; and any person who believes that his interests or rights would be prejudiced by registration of any trade-mark or trade-name used on any article of commerce other than cigars or cigarettes, may oppose the same by filing with the Director of Commerce, a written notice of opposition stating the grounds therefor within 60 days after the publication of the application in the OFFICIAL GAZETTE. All notices of opposition shall be duly verified by the persons filing the same. In case the person filing the opposition resides in any State, Territory, District of Columbia, or any dependency of the United States, verification may be made before a notary public or an officer duly authorized by law of such State, Territory, District, or dependency to take acknowledgements provided that the certificate of said notary public or officer shall be authenticated by the county clerk or his deputy, or by a clerk or deputy clerk of any court of record of the county, municipality, or judicial district, or by the secretary of state, executive secretary, or other similar functionary of the State, Territory, District, or dependency wherein the verification is made. In case the person resides in a foreign country, verification may be made before (1) an ambassador, minister, secretary of legation, chargé d'affaires, consul, vice-consul, or consular agent of the United States; or (2) a notary public or officer duly authorized by law of the country to take acknowledgements provided that the certificate of such notary public or officer shall be authenticated by an ambassador, minister, secretary of legation, chargé d'affaires, consul, vice-consul, or consular agent of the United States. Three specimens (or facsimiles) of the trade-mark actually used by the opposer, if there be such, should be filed. An opposition may be filed by a duly authorized attorney, but such opposition shall be null and void unless duly verified by the opposer, within a reasonable time after such filing. Two duplicate copies of the notice of opposition must be filed, either with the notice of opposition or within a reasonable time after the filing of the same."

2. This Administrative Order shall take effect as of the date of its publication in the OFFICIAL GAZETTE.

(Signed) EULOGIO RODRIGUEZ,
Secretary of Agriculture and Commerce.

Recommended:

(Signed) CORNELIO BALMACEDA,
Director of Commerce.

Disclaimers

1,692,495.—*Robert D. Evans*, Pittsburgh, *Charles F. Wagner*, Swissvale, *Alexander D. Dovjikov*, Wilkinsburg, and *Errol B. Shand*, Pittsburgh, Pa. QUICK-EXCITED MACHINE AND SYSTEM OF TRANSMISSION. Patent dated November 20, 1928. Disclaimer filed February 5, 1937, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby disclaims from the scope of claims 1, 7, 10, 11, 12 and 13 all combinations including a regulator other than combinations including a regulator having a polyphase response which is correctly operative for single-phase faults on any phase of a polyphase line.

1,955,138.—*George B. Mangan*, Wilkinsburg, Pa. HIGH VOLTAGE FUSE. Patent dated April 17, 1934. Disclaimer filed February 12, 1937, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claim 18 in said specification.

Condition of Applications Under Examination at Close of Business February 20, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 36,184; Trade-Mark Division, 1,731. Oldest new case, Aug. 22, 1936; oldest amended, Aug. 15, 1936.)
(The dates given are 1936 except where † indicates 1937)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Nov. 2	Dec. 17	397
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Sept. 25	Sept. 22	811
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 28	Nov. 23	467
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Oct. 23	Oct. 21	579
3077	5. ROBINSON, C.W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Nov. 20	Nov. 20	446
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 20	Oct. 16	690
5725	7. JARBOE, C. G., Optics; Photography	Nov. 21	Nov. 21	833
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Oct. 24	Nov. 4	438
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Dec. 3	Dec. 1	411
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Nov. 18	Nov. 28	415
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Nov. 23	Nov. 25	409
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Sept. 22	Oct. 6	610
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Dec. 8	Dec. 8	475
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Nov. 9	Nov. 2	560
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 19	Nov. 19	917
5612	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 30	Oct. 30	566
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 1	Dec. 1	504
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 17	Oct. 17	471
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Oct. 30	Oct. 31	669
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Nov. 14	Nov. 14	448
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Nov. 21	Nov. 21	601
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Nov. 23	Nov. 23	606
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Aug. 22	Aug. 15	224
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 28	Nov. 25	547
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Nov. 18	Nov. 18	565
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Dec. 9	Dec. 11	381
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Sept. 21	Sept. 21	756
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Nov. 28	Nov. 23	318
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Nov. 24	Nov. 24	452
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 20	Oct. 21	689
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Nov. 24	Nov. 21	435
4086	32. LESH, CARL, (Act.), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	Nov. 20	Nov. 20	459
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs and Roads	Nov. 23	Nov. 20	658
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Dec. 3	Nov. 28	307
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Oct. 3	Oct. 9	717
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Dec. 10	Dec. 12	264
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Oct. 26	Oct. 31	680
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Nov. 25	Nov. 3	383
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 4	Nov. 5	415
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 22	Oct. 22	1082
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Sept. 11	Sept. 14	455
5882	42. CUTTING, H. O., Electric Signaling	Nov. 13	Nov. 17	410
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Nov. 20	Nov. 20	621
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Oct. 20	Oct. 21	639
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Oct. 28	Oct. 28	595
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Nov. 3	Nov. 3	460
7600	47. BARKER, H., Clutches; Brakes	Nov. 30	Nov. 20	441
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Nov. 21	Nov. 21	517
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 28	Nov. 25	413
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Nov. 20	Nov. 20	592
5628	51. BACKUS, C. D., Radiant Energy	Nov. 25	Nov. 25	705
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Nov. 21	Dec. 1	611
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Oct. 7	Oct. 7	1000
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Dec. 2	Nov. 28	349
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Sept. 28	Oct. 9	756
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Nov. 4	Nov. 3	886
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Nov. 11	Nov. 7	518
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Dec. 10	Dec. 4	309
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	Nov. 28	Nov. 30	344
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Oct. 9	Oct. 9	604
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Dec. 4	Nov. 27	279
3876	62. PUGH, E. C., Games; Geometrical Instruments	Nov. 25	Nov. 28	428
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Nov. 17	Nov. 18	516
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Nov. 21	Nov. 21	798
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Sept. 16	Sept. 14	745
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	†Jan. 19	†Feb. 8	1453
	{Labels and Prints	†Jan. 22	†Feb. 5	278
2605	Designs, H. H. KALUPY	†Jan. 22	†Feb. 9	558

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

E. I. du Pont de Nemours and Company

v.

Coe, Commissioner of Patents

No. 6,676. Decided February 1, 1937

Interference—Estoppel—Failure to Move Under Rule 109.

Where B., who was involved in an interference with two opponents failed to move under Rule 109 to add certain claims forming counts of a copending interference between said opponents, and the first interference was dissolved on B's. motion, *Held* B. had lost the right to present such claims later.

Appeal from the Supreme Court of the District of Columbia. Affirmed.

Mr. Chester H. Biesterfeld for E. I. du Pont de Nemours and Company.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before Martin, Chief Justice, and Robb, Van Orsdel, and Groner, Associate Justices

Robb, *A. J.:*

Appeal from a decree in the Supreme Court of the District (now District Court of the United States) dismissing appellant's bill, filed under Sec. 4915, R. S., as amended (35 U. S. C. A. Sec. 63), seeking to authorize the issuance of a patent to appellant, assignee of applicant Bowers.

Bowers, on October 27, 1922, filed in the Patent Office application No. 597,417. On March 27, 1928, interference No. 56,609 was declared involving that application, an application of Foster, and a joint application of Jaeger and Cannon. A single count only was involved in the interference. Bowers moved to dissolve on the ground that the count was unpatentable over the prior art. On February 5, 1929, the interference was dissolved on that ground.

On the same day that interference No. 56,609 was declared (March 27, 1928), a two-party interference, No. 56,608, was declared on the same applications of Foster, and Jaeger and Cannon. Two of the counts involved in the two-party interference were the claims now sought to be allowed in the Bowers application here on appeal. About seven months after the conclusion of interference No. 56,609, in which Bowers was directly involved, he filed a new application, No. 388,267, and inserted therein the two claims here in question. Meanwhile, the assignee of the joint application of Jaeger and Cannon had moved to substitute therefor in the second or two-party interference the sole application of Jaeger. This motion was allowed, and a third interference, No. 57,990, was declared involving the two claims here on appeal. Bowers' later application, No. 388,267, was added to this interference, but he was held to be estopped to make the two claims because of his failure to present them during the first interference. The claims were also held to be unpatentable to him in view of the patent which had in the meantime been issued on his earlier application. Thereupon he filed an application, No. 451,126, for a reissue of that patent, and included therein the two claims here involved. A motion to substitute the reissue application in the third interference, No. 57,990, was denied by the Examiner of Interferences on the ground of estoppel. After that ruling had been made final, the present suit was brought.

The first Bowers application (No. 597,417) having been involved in the first interference with the applications of Foster, and Jaeger and Cannon, Bowers had access to the applications of those parties, and, since the two-party interference was pending at the same time, Bowers had knowledge of the presence in those applications of the two claims involved in this suit; but, notwithstanding that knowledge, those claims were not presented at that time, and no motion was made under the then provisions of Patent Office Rule 109 for a declaration of an interference. The rule at that time provided that an applicant involved in an interference might within the time fixed by the Examiner of Interferences, on motion made, "file an amendment to his application containing any claims which in his opinion should be made the basis of interference between himself and any of the other parties." Failing to bring forward these claims within the period provided in Rule 109 when Bowers had full knowledge that they were being contended for by his opponents, the Patent Office tribunals ruled that the right later to present the claims was lost.

We agree with the ruling of the Patent Office and the court below, and such has been the uniform ruling in this court. *New Departure Mfg. Co.*, (1913) 39 App. D. C. 504. In *In re Capen*, (1915) 43 App. D. C. 343, we said:

"The object of this rule obviously is to require the parties to an interference proceeding to have determined in that proceeding all rights growing out of their respective applications. In other words, the rule affords either party to an interference full opportunity to put in issue matter which he may think patentable or common to the interfering applications, but which was not included in the interference as originally declared by the Primary Examiner."

This ruling was followed in *Application of Doble*, (1926) 16 F.(2d) 350, 57 App. D. C. 10, and in *In re Allsop*, (1928) 26 F.(2d) 559, 58 App. D. C. 187, in which we said:

"Should a patent be issued to appellants, it is apparent that the public would be excluded from practicing the invention for a further period of 17 years from its date. The result is directly attributable to the deliberate failure of appellants to act when they should have acted. The object of the patent laws is the stimulation of invention for the benefit of the public, and where, as here, the Commissioner of Patents acts in the interests of the public, and without prejudice to the real rights of applicants, he should be upheld."

It follows that the decree must be affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BAURIEDEL AND HEGER

No. 3,680. Decided November 30, 1936
86 F.(2d) 339

PATENTABILITY—APPARATUS FOR SUPPLYING SPINNING SOLUTION TO ARTIFICIAL SILK SPINNING MACHINES.

Certain claims for apparatus for supplying spinning solution to artificial silk spinning machines *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Thomas H. Byron and *Mr. Francis B. Leech* for Bauriedel and Heger.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.:*

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting, in view of the prior art, claims 20, 21, and 22 of appellants' application. Certain claims have been allowed.

Claims 20 and 21 are illustrative and read as follows:

20. In a device for supplying spinning solution to a plurality of nozzles, a supply pipe for spinning solution, a pump for forcing the spinning solution to be used through said pipe, a spinning pipe to receive said solution, said supply pipe and said spinning pipe having means for communicating one with the other, a series of spinning units supplied from said spinning pipe, and retarding means positioned between said supply pipe and said spinning units to retard the flow of spinning liquid.

21. In a device for supplying spinning solution to a plurality of nozzles, a supply pipe for spinning solution, a pump for forcing the spinning solution to be used through said pipe, a spinning pipe to receive said solution, branch pipes connecting said supply pipe and said spinning pipe, said spinning pipe supplying a series of spinning units, and retarding nozzles inserted in said branch pipes, whereby the liquid fed to said spinning pipe may be of uniform mixture.

The references cited are: De Chardonnet, 460,629, October 6, 1891; Gallor, 932,116, August 24, 1909; Gallor, 1,038,340, September 10, 1912; Lunge, 1,672,070, June 5, 1928.

The application embraces an apparatus for supplying spinning solution to artificial silk spinning machines, and the purpose of appellants' device is to provide a means for insuring uniformity of feed of the spinning solution to the spinning units. Appellants contend that it is novel and inventive to provide retarding means positioned between the supply pipe and spinning units to retard the flow of the spinning liquid.

In view of the conclusion which we have reached, it is necessary to discuss only the patent to Lunge. This patent states that the object of the inventor "is to ensure that the product delivered from a series of nozzles, is substantially uniform, irrespective of the distance of any particular nozzle from the supply pipe." It thus appears that appellants and Lunge had a common object. The patent to Lunge discloses a pumping device having a supply pipe for spinning solution, another pipe to receive the solution, these two pipes having means for communicating one with the other, a series of spinning nozzles connected with said second pipe, and a valve located between said supply pipe and the spinning nozzles adapted to retard the flow of the spinning solution through said spinning nozzles. It is clear that the pipe with which the spinning nozzles are connected is comparable to the "spinning pipe" set forth in claim 20 of appellants' application.

While it is true that, as shown in the Lunge specification, the supply pipe and the second pipe above described are contained within the pump device itself, the patent states as follows:

Whilst a specific construction of pumping device has been described and illustrated, it will be appreciated that the invention is not limited to this form, nor even to forms in which the closed ring or circuit aforesaid is constituted by passages provided in the bodies of the pumps, for it can be equally well used in the form of separate piping. • • •

It is our opinion that all of the elements embraced in claim 20 are found in the patent to Lunge, and were employed by him for the same purpose that said elements have, as set out in claim 20. In other words, claim 20 is so broad as to read directly upon Lunge. We must pass upon the claims that are before us, and we have no doubt that the Patent Office tribunals came to the right conclusion as to claim 20.

With respect to claims 21 and 22 the Examiner in his statement said:

Claim 20 is regarded as the only generic claim to the two modifications illustrated. Since this claim stands rejected, the applicant has been required to cancel claims 21 and 22 reading only on the species illustrated in Figure 1, since he has already made an election by prosecution to the species illustrated in Figures 2 and 3 represented by claims 14, 15, 16, and 23. Rule 41; *ex parte* Barnes, 1905 C. D. 65; *ex parte* McKillop 1919 C. D. 125. This requirement has been approved by the Examiner of Classification provided no generic claim is found allowable.

The Board of Appeals in its decision stated:

The Examiner has noted that claims 21 and 22 could not be allowed in this application if the broad claim 20 were refused.

Upon the oral hearing, appellants' counsel conceded that if claim 20 is not allowable, it being a generic claim, claims 21 and 22 were properly rejected for the reasons stated by the Examiner. Therefore, said last-named claims require no discussion.

The decision of the Board of Appeals is affirmed. Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,307,734, A. V. Gullborg, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus, D. C. Minn., 4th Div., Doc. E 2333, *Alemite Corp.* v. *M. Dysthe et al.* (*Specialty Sales & Service Corp.*). Claims 1, 2, 3, 4, 6, 14 and 15 of 1,307,734, and claims 2, 3 and 5 of 1,475,980 held infringed; defendant's counterclaim dismissed with prejudice; injunction Dec. 28, 1936.

1,332,545, R. de Filippis, Variable steering device for vehicles; 1,357,491, same, Automatic steering device for vehicles, filed Dec. 30, 1936, D. C., S. D. N. Y., Doc. E 84/231. *The Automatic Toy Corp.* v. *Buddy 'L' Mfg. Co., Inc., et al.*

1,337,333, H. S. Simpson, Foundry mixer; 1,508,031, same, Foundry sand mixer; 1,512,536, T. A. Hibbins, Foundry mixer; D. C., N. D. Ill., E. Div., Doc. 15,188, *H. S. Simpson et al.* v. *Champion Foundry & Machine Co. et al.* Consent decree dismissing bill without prejudice as to defendant Chisholm, Boyd & White Co., and finding patents valid and infringed by Champion Foundry & Machine Co.; injunction Aug. 17, 1936.

1,354,939, H. D. Arnold, Vacuum tube device; 1,459,412, H. M. Nicolson, Thermionic translating device; 1,479,778, H. J. Vander Bijl, Vacuum tube device; 1,893,466, R. F. Gowen, Audion construction, D. C., S. D. Calif. (Los Angeles), Doc. E 1077–J, *Radio Corp. of America et al.* v. *Pacific Trading Co.* Consent decree for plaintiffs holding infringement; injunction Dec. 30, 1936.

1,357,491. (See 1,332,545.)

1,403,475, H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; 1,936,162, R. A. Heising, Transmission system; Re. 18,579, Ballantine & Hull, Demodulator or method of demodulation, D. C., N. D. Ill., E. Div., Doc. 15,090, *R. C. A. et al.* v. *B. Olshansky et al.* Consent decree holding patents valid and infringed; injunction Apr. 13, 1936.

1,403,932. (See 1,403,475.)

1,423,956, Mitchell & White, Tipless incandescent lamp; 1,672,233, W. J. Skinner, Radio grid and filament spacer; 1,947,514, J. Biguet, Three-electrode vacuum tube, D. C., S. D. Calif. (Los Angeles), Doc. E 1076–Y, *R. C. A. et al.* v. *Pacific Trading Co.* Patents held valid and infringed; injunction Dec. 30, 1936.

1,436,459, J. Reece, Seat cover; Re. 16,288 (of 1,544,141), R. R. Eddins, Slip cover for automobiles; 1,748,743, H. G. Wedler, Cover for seat backs, D. C., N. D. Ill., E. Div., Doc. 15,404, *Evr-Klean Seat Pad Co.* v. *The Fair.* Dismissed without prejudice on motion of plaintiff Nov. 30, 1936. Same, filed Dec. 28, 1936, D. C., E. D. Mo. (St. Louis), Doc. 12,030, *Evr-Klean Seat Pad Co.* v. *S. Cohen et al.* (*S. & L. Tire Co.*). Consent decree for plaintiff Jan. 11, 1937.

1,459,412. (See 1,354,939.) 1,475,980. (See 1,307,734.)

1,479,778. (See 1,354,939.) 1,508,031. (See 1,337,333.)

1,512,536. (See 1,337,333.) 1,522,249. (See 1,665,862)

1,537,944, 1,537,945, R. Hufford, Governor for internal combustion motor; 1,584,929, Handy & Bull, Governor; 2,048,423, A. A. Bull, Stabilizer for suction governors, filed Jan. 5, 1937, D. C., E. D. N. Y., Doc. E 8237, *Handy Governor Corp.* v. *General Carburetor Sales Co., Inc.*

1,537,945. (See 1,537,944.) 1,544,151. (See 1,436,459.)

1,584,929. (See 1,537,944.) 1,585,643. (See Re. 19,524.)

1,600,390, Barrett & Bartling, Shaft for golf clubs; 1,918,171, H. G. Barrett, Method of heating and stretching tubes over shafts, D. C., N. D. Ill., E. Div., Doc. 14,347, *General Automatic Corp.* v. *The Kroydon Co.* Dismissed on motion of plaintiff Oct. 21, 1936.

1,618,017. (See 1,403,475.)

1,623,996, P. S. Carter, Radio transmission system; 1,909,610, same, Electric circuit; 1,884,006, N. E. Lindenblad, Antennae; 1,927,522, same, Antennae for radio communications, D. C., E. D. N. Y., Doc. E 7234, *R. C. A.* v. *Mackay Radio & Telegraph Co., Inc.* Decree for defendant dismissing complaint Dec. 30, 1936.

1,665,862, W. H. Sauvage, Hand brake; 1,522,249, A. F. Klasing, Brake, D. C., N. D. Ill., E. Div., Doc. 15,057, *A. F. Klasing* v. *Ajax Hand Brake Co.* Dismissed without prejudice Nov. 30, 1936.

1,672,233. (See 1,423,956.)

1,684,900, C. B. Waters, Automobile circulation and heating system; 1,834,141, V. J. Butterfield, Fitting for automotive vehicle heater; 1,880,620, C. H. Will, Automobile heater and deflector therefor; 1,892,506, H. W. Fink, Deflector for automobile heaters, D. C., E. D. N. Y., Doc. E 7757, *Tropic-Aire, Inc.* v. *E. A. Laboratories, Inc.* Decree for defendant, dismissing bill Dec. 30, 1936.

1,702,833. (See 1,403,475.) 1,748,743. (See 1,436,459.)

1,755,114, L. A. Hazeltine, Uni-control signaling system; 1,755,115, same, Variable condenser, D. C., N. D. Ill., E. Div., Doc. 14,285, *Hazeltine Corp.* v. *Stewart-Warner Corp.* Counterclaim, praying for declaratory decree, adjudging patents invalid filed Feb. 1, 1935. Bill and counterclaim dismissed without prejudice Sept. 25, 1936.

1,755,115. (See 1,755,114.)

1,789,236, S. Klein, Tag-securing means; Des. 91,630, Klein & Kasanof, Seal, C. C. A., 2d Cir., Doc. 14,749, *S. Klein* v. *American Casting & Mfg. Co.* Decree reversed (notice Jan. 4, 1937).

1,811,095. (See 1,403,475.) 1,834,141. (See 1,684,900.)

1,880,620. (See 1,684,900.) 1,884,006. (See 1,623,996.)

1,892,506. (See 1,684,900.) 1,893,466. (See 1,354,939.)

1,908,965, T. S. Dowst, Packing structure; 2,008,664, same, Package, filed Dec. 31, 1936, D. C., S. D. N. Y., Doc. E 84/235, *Dowst Mfg. Co.* v. *Liggett Drug Co., Inc.*

1,909,610. (See 1,623,996.) 1,918,171. (See 1,600,390.)

1,927,522. (See 1,623,996.) 1,936,162. (See 1,403,475.)

1,947,514. (See 1,423,956.)

1,970,238, R. Kretser, Knitting machine; 1,989,617, H. S. Horrocks, same, D. C., E. D. N. Y., Doc. E 7819, *H. Brinton Co. et al.* v. *S. Mishcon et al.* Dismissed Dec. 28, 1936.

1,989,617. (See 1,970,238.)

2,004,760, Re. 20,115, H. H. Klein, Hair curler, filed Dec. 29, 1936, D. C., S. D. N. Y., Doc. E 84/227, *H. H. Klein* v. *W. Finkelstein.*

2,008,664. (See 1,908,965.)

2,041,638. (See Re. 17,994.)

2,048,423. (See 1,537,944.)

Re. 16,288. (See 1,436,459.)

Re. 17,994, E. E. Emons, Spectacles; 2,041,638, same, Spectacle frame; Re. 17,966, J. A. Smith, Spectacles and goggles, filed Dec. 31, 1936, D. C. R. I., Doc. E 553, *The Ful-Vue Sales Co.* v. *Universal Optical Corp.*

Re. 17,996. (See Re. 17,994.)

Re. 18,579. (See 1,403,475.)

Re. 19,524, L. W. Hottel, Means for forming plastic articles; 1,585,643, M. Bello, Manufacture of containers, D. C., N. D. Ill., E. Div., Doc. 15,100, *Ahlbell Battery Container Corp.* v. *The Richardson Co.* Dismissed on motion of defendant for want of venue July 7, 1936.

Re. 20,115. (See 2,004,760.)

Des. 91,630. (See 1,789,236.)

T. M. 42,919, W. A. Gaines & Co., Whiskey; T. M. 333,907, The American Medicinal Spirits Co., same; T. M. 333,908, The Hellman Co., Inc., same, D. C., N. D. Ill., E. Div., Doc. 15,129, *National Distillers Products Corp.* v. *Roxy Liquor Corp.* Decree by default, enjoining defendant Sept. 25, 1936.

T. M. 45,508, T. M. 200,273, Old Grand-Dad Distillery Co., Whiskey, D. C., N. D. Ill., E. Div., Doc. 14,543, *The American Medicinal Spirits Co., et al.* v. *Liberty Bottling Co.* Defendant enjoined May 5, 1936.

T. M. 54,931, Cadillac Automobile Co., Automobiles; T. M. 226,207, General Motors Corp., same, D. C., N. D. Ill., E. Div., Doc. 15,249, *General Motors Corp.* v. *North Shore Motors, Inc.* Defendant enjoined July 29, 1936.

T. M. 57,817, The Parker Pen Co., Fountain pens; T. M. 165,783, same, Fountain pens and mechanical pencils; T. M. 202,066, same, Mechanical pencils, fountain pens, and ink; T. M. 255,741, The Parker Pen Co., Desk sets for pens and pencils, D. C., N. D. Ill., E. Div., Doc. 15,474, *The Parker Pen Co.* v. *C. P. Van Schaack (The Parker Ink Co.).* Consent decree finding trade-marks valid and infringed; injunction Dec. 22, 1936.

T. M. 101,858, T. M. 173,584, Lorraine Mfg. Co., Bengaline, chiffon, crash, serge, etc.; T. M. 169,719, same, Men's suits, coats and pants, etc.; T. M. 175,218, T. M. 180,093, T. M. 188,003, T. M. 180,429, T. M. 180,824, same, Cotton and silk goods in the piece; T. M. 176,798, same, Rain coats and ladies skirts, dresses, etc.; T. M. 176,799, same, Men's suits, dusters, coats, etc.; T. M. 180,823, T. M. 193,146, same, Cotton, wool and silk goods in the piece; T. M. 188,004, same, Cotton and wool goods in the piece; T. M. 189,468, T. M. 189,467, T. M. 189,469, same, Ladies' and misses' suits, dresses, coats, skirts, and waists; T. M. 218,398, same, Cotton goods, cotton warp fabrics, cotton

and wool, etc.; T. M. 198,401, same, Men's top shirts, underwear and pajamas, D. C., N. D. Ill., E. Div., Doc. 15,353, *Lorraine Mfg. Co.* v. *Lorraine Mfg. Co.* Dismissed by stipulation Dec. 29, 1936.

T. M. 134,304. (See T. M. 284,891.)
T. M. 165,783. (See T. M. 57,817.)
T. M. 169,719. (See T. M. 101,858.)
T. M. 173,584. (See T. M. 101,858.)
T. M. 175,218. (See T. M. 101,858.)
T. M. 176,798. (See T. M. 101,858.)
T. M. 176,799. (See T. M. 101,858.)
T. M. 180,093. (See T. M. 101,858.)
T. M. 180,429. (See T. M. 101,858.)
T. M. 180,823. (See T. M. 101,858.)
T. M. 180,824. (See T. M. 101,858.)
T. M. 188,003. (See T. M. 101,858.)
T. M. 188,004. (See T. M. 101,858.)
T. M. 189,467. (See T. M. 101,858.)
T. M. 189,468. (See T. M. 101,858.)
T. M. 189,469. (See T. M. 101,858.)
T. M. 193,146. (See T. M. 101,858.)
T. M. 198,401. (See T. M. 101,858.)
T. M. 200,273. (See T. M. 45,508.)
T. M. 202,066. (See T. M. 57,817.)
T. M. 207,387. (See T. M. 284,891.)
T. M. 218,398. (See T. M. 101,858.)
T. M. 226,207. (See T. M. 54,931.)
T. M. 255,741. (See T. M. 57,817.)

T. M. 284,891, T. M. 134,304, Sidney Blumenthal & Co., Inc., Pile fabric in the piece, D. C., N. D. Ill., E. Div., Doc. 15,239, *Sidney Blumenthal & Co., Inc.* v. *Goldblatt Bros., Inc., et al.* Consent decree, finding trade-marks valid and infringed, July 9, 1936.

T. M. 292,528, Glenforres Glenlivet Distillery Co., Ltd., Scotch whiskey, D. C., N. D. Ill., E. Div., Doc. 15,223, *Wm. Whiteley & Co., Inc.* v. *Roxy Liquor Corp.* Consent decree, finding trade-mark valid and infringed; injunction July 9, 1936.

T. M. 333,907. (See T. M. 42,919.)
T. M. 333,908. (See T. M. 42,919.)

Adjudicated Patents

(D. C. Md.) Stauffen patent, No. 1,500,282, for hauling-out system for scrapping vessels and apparatus for the same, claims 1 and 2 *Held* invalid. *Union Shipbuilding Co.* v. *Boston Iron & Metal Co.*, 17 F. Supp. 318.

(D. C. Mass.) Cabot patent, No. 1,545,940, for electromagnetic wave receiving system, *Held* valid but not infringed. *Cabot* v. *Eastern Radio Co.*, 17 F. Supp. 333.

(C. C. A. N. Y.) Leo patent, No. 1,646,157, for dry-powdered jelly base containing pectin and sugar and process of making same, claims 1 and 2 *Held* invalid. *Kwik Set* v. *Welch Grape Juice Co.*, 86 F.(2d) 945.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,950,295, L. R. N. Carvalho, Metal closure, decided February 5, 1937, claim 4.

Pat. 1,960,881, A. E. Sunbury, Lining plugging machine, decided December 18, 1936, claims 5, 6, 7, 8, 15, 16, 38, and 39.

Pat. 1,963,514, G. P. Wherren, Form tie clamp, decided January 7, 1937, claims 4 and 6.

Pat. 1,975,075, C. E. Bennett, Electric cable system, decided December 18, 1936, claim 1.

Pat. 1,985,941, Charles McCurley, Tire cover, decided December 18, 1936, claim 1.

Interference Notice

U. S. PATENT OFFICE, *Washington, Feb. 10, 1937.*

Fred P. Hoffmann, his assigns, or legal representatives take notice:

An interference having been declared by this Office between Patent No. 2,000,285, granted May 7, 1935, to Fred P. Hoffmann, 1831 Chicago Avenue, Evanston, Ill., and the application for patent of Samuel Barton Sklar, 27 West 72nd St., New York, N. Y., and a notice of such declaration sent by registered mail to said Hoffmann at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Hoffmann, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, Feb. 6, 1937.*

The heirs, assigns, or legal representatives of Franklin Schroyer, deceased, take notice:

A cancellation proceeding has been instituted by this Office upon the application of May Oil Burner Corporation, Maryland Avenue and Oliver Street, Baltimore, Md., to effect the cancellation of the trade-mark registration of Franklin Schroyer, Lock Box #11, Hutchinson, Kans., No. 212,028, dated April 27, 1926, and the notice of such proceeding sent by registered mail to said Franklin Schroyer at the said address has been returned by the post office with the notation "Deceased" endorsed thereon. The letter sent to the legal representatives of said Schroyer, suspending proceedings in order that they might intervene, has also been returned by the post office as undeliverable. Notice is hereby given that unless said Franklin Schroyer, his heirs, assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, Feb. 24, 1937.*

Fire-O-Matic, Inc., its assigns, or legal representatives take notice:

A cancellation proceeding having been instituted by this Office upon the application of Iron Fireman Manufacturing Company, 4784 S. E. Seventeenth Avenue, Portland, Oreg., to effect the cancellation of trade-mark registration No. 283,114, issued May 19, 1931, to Fire-O-Matic, Inc., 83 Fifth Street, Portland, Oreg., and a notice of such proceeding sent by registered mail to said Fire-O-Matic, Inc. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Fire-O-Matic, its assigns or legal representatives shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 9, 1937

[VOL. 476. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 383,651. SHAWINIGAN PRODUCTS CORPORATION, New York, N. Y. Filed Sept. 25, 1936.

FORMVAR

For Synthetic Resinous Material.
Claims use since Mar. 29, 1933.

Ser. No. 386,766. V. MCDANIEL FUEL CO., Kansas City, Mo. Filed Dec. 15, 1936.

SEA-D-AIR

For Coal.
Claims use since Sept. 1, 1936.

Ser. No. 386,870. PITTSBURGH COAL COMPANY OF WISCONSIN, Minneapolis, Minn. Filed Dec. 17, 1936.



OLD FAITHFUL

For Coal.
Claims use since June 1, 1936.

Ser. No. 386,976. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del. Filed Dec. 21, 1936.



All wording except "Amalgamated" and "Amalac" is disclaimed apart from the mark.
For Leather.
Claims use since Mar. 1, 1924.

Ser. No. 387,437. FROMM BROS., INC., Hamburg, Wis. Filed Jan. 4, 1937.

FEDERAL

For Pelts and Furs.
Claims use since Nov. 29, 1936.

Ser. No. 387,531. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del. Filed Jan. 7, 1937.

POWDERPUFF

For Leather.
Claims use since 1921.

Ser. No. 387,704. WILLARD HELBURN, INC., Salem, Mass. Filed Jan. 12, 1937.

LAMMIE

For Leather.
Claims use since Nov. 1, 1936.

Ser. No. 387,882. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del. Filed Jan. 12, 1937.

ALCO

For Leather.
Claims use since 1919.

CLASS 2

Receptacles

Ser. No. 384,486. UNIVERSAL PLASTICS CORPORATION, New Brunswick, N. J. Filed Oct. 17, 1936.

UNIPLAST

For Cosmetic Containers Made of Plastic Molding Material—Namely, Powder Boxes, Rouge Boxes, Cream Jars, and Lipstick Holders.
Claims use since Sept. 1, 1936.

Ser. No. 386,481. CHAMPION CONTAINER COMPANY, Philadelphia, Pa. Filed Dec. 8, 1936.

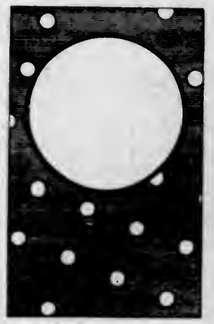


The portrait is fanciful. The word "Service" is disclaimed apart from the mark.
For Paper Containers—Namely, Paper Cans and Paper Vessels of Analogous Character.
Claims use since Dec. 13, 1935.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 366,096. GORDON-ALLEN LTD., Oakland, Calif. Filed June 12, 1935.



For Clothes Washing Soap.
Claims use since Mar. 15, 1935.

Ser. No. 373,516. BAKELITE CORPORATION, New York, N. Y. Filed Jan. 10, 1936.

RESIBOND

For Abrasive Implements Such as Abrasive Grinding Wheels and Stones, Abrasive Cutting Wheels and Stones, Abrasive Polishing and Cleaning Wheels and Stones, and the Like.
Claims use since Dec. 23, 1935.

Ser. No. 375,101. SHU-MILK PRODUCTS CORPORATION, Passaic, N. J. Filed Feb. 21, 1936.



The words "Style-White" are disclaimed apart from the mark.
For White Shoe Cleaner.
Claims use since Jan. 24, 1936.

Ser. No. 385,792. JAMES M. JORGENSEN, doing business as Inspecto Company of America, Los Angeles, Calif. Filed Nov. 20, 1936.

INSPECTO

For Cleaner for Web or Canvas Equipment.
Claims use since May 1, 1935.

Ser. No. 386,034. KEENE WASHING PRODUCTS CO., Keene, N. H. Filed Nov. 27, 1936.



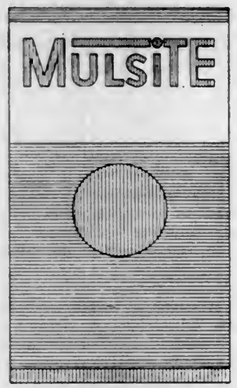
The words "Polishing Powder" are disclaimed apart from the mark.
For Polishing Powder for Metals, Glass, Enamel, Porcelain, and the Like.
Claims use since Apr. 18, 1935.

Ser. No. 386,134. WIZARD, INC., Chicago, Ill. Filed Nov. 30, 1936.

WINDO-MIST

For Glass Cleaning Preparations.
Claims use since June 3, 1936.

Ser. No. 386,611. WARD CHEMICAL & MFG. COMPANY, INC., New York, N. Y. Filed Dec. 10, 1936.



The drawing is lined for red and blue. The representation of the label is disclaimed except in the association shown.
For Powdered or Granular Soap or Other Powdered Alkaline Detergent Compositions for General Maintenance, Cleaning of Metal and Other Technical Process Cleaning Operations.
Claims use since July 18, 1936.

Ser. No. 386,679. VITO GIANNOLA, doing business as Super Nu-Wash Cleanser Co., St. Louis, Mo. Filed Dec. 12, 1936.



The representation of a woman is fanciful.
For General Cleaning Compound Having Incidental Properties as a Water Softener, Disinfectant, and Deodorizer.
Claims use since January, 1935.

Ser. No. 386,696. RUSCO MANUFACTURING CO., Milwaukee, Wis. Filed Dec. 12, 1936.



The words "Removes Rust", "As It Cleans", "As It Polishes" are disclaimed apart from the mark.
For Chromium Polish Which Also Removes Rust.
Claims use since Sept. 9, 1936.

Ser. No. 386,949. THE KEPEC COMPANY, Milwaukee, Wis. Filed Dec. 19, 1936.

EMULLO

For Preservatives or Dressings for Leather.
Claims use since Oct. 19, 1935.

Ser. No. 387,155. WHITTEMORE BROS. CORP., Cambridge, Mass. Filed Dec. 24, 1936.



For Compositions for Cleaning, Dressing, Polishing Sheet Materials in the Nature of Shoe Leather and Shoe Fabrics Which Compositions May Have Incidental Coloring Properties.
Claims use since May 24, 1913.

Ser. No. 387,430. THE BLACK DIAMOND PAINT & VARNISH WORKS, INC., Cincinnati, Ohio. Filed Jan. 4, 1937.

PYRAMID

For Belt Dressings.
Claims use since 1906.

CLASS 5

Adhesives

Ser. No. 385,939. PYRROLE PRODUCTS CORPORATION, Portsmouth, Ohio. Filed Nov. 24, 1936.

SOLAY

For Quick Acting Cement for Laying Shoe Soles.
Claims use since Aug. 25, 1931.

Ser. No. 387,608. HAMILTON CHEMICAL PRODUCTS CO., Brockton, Mass. Filed Jan. 7, 1937.

HAMILTEX

For Liquid Cements.
Claims use since Feb. 20, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 367,357. THE LANDER CO., INC., New York, N. Y. Filed July 16, 1935.

Lander's

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Skin Whitener in Liquid and Solid Form, Face Packs, Eyebrow and Eyelash Grower, Eye Drops, Hand Lotions, Eyebrow Pencils, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powder, Sachets, Hair Salves, Hair Elixirs, Chemical Preparations for Darkening the Lashes and Eyebrows, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powder, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Disinfectants, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since October, 1920.

Ser. No. 369,440. THE COLEMAN & BELL COMPANY, Norwood, Ohio. Filed Sept. 18, 1935.

C&B

For Chemical Reagents, a General List of Organic and Inorganic Chemicals, Biological Stains, Including Vital Stains and Medicinal Dyes, Chemical Indicators, Chemical Solutions, Chemical Papers, Dye Stuffs and Dyes.
Claims use since Feb. 16, 1926.

Ser. No. 383,342. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Sept. 17, 1936.

BLUE CLOUD

For Perfumes.
Claims use since Mar. 21, 1936.

Ser. No. 385,331. ABBOTT LABORATORIES, North Chicago, Ill. Filed Nov. 10, 1936. Under section 5b of the act of 1905 as amended in 1920.

Abbott

For Various Chemicals, Drugs, Pharmaceuticals, Therapeutic Dietary Supplements, Antiseptics, Germicides, and Biological and Bacterial Products, for Both Human and Veterinary Use, Such Products being in the Form of the Usual Preparations for Oral or Parenteral Administration or for Local Application, as Solutions, Tinctures, Syrups, Elixirs, Medicinal Extracts, Fluid Extracts, Powders, Suspensions, Coated or Uncoated Tablets or Pills, Dulcets, Filled Hard or Soft Capsules, Sterile Ampoule Solutions, Sterile Solutions or Suspensions in Vials, or Sterile Powders in Ampoules, Lotions, Liniments, Pastes, Jellies, Ointments, Sprays, Creams, Suppositories, and Such Products Being Intended for the Following Medicinal Purposes:—Allergen Extracts for Testing or Treatment, Alteratives, Amebicides, Analgesics and Anodynes, Anaphrodisiacs, Anesthetics, Antacids, Anthelmintics and Vermifuges, Antanemics and Hematinics, Anticoagulants, Anticongestants. Antidotes for Arsenic or Heavy Metal Poisoning, Antidysenterics, Antigens, for Non-Specific Therapy, Antigonorrheics, Antimalarials, Antiperiodics, Antipyretics, Antisecretagogs, Antiseptics and Germicides, Antirheumatics, Antispasmodics, Antisyphilitics, Aphrodisiacs, Astringents, Autonomic Stimulants, Bacterial Antigens, Preparations for Calcium Therapy, Cardiovascular Stimulants, Carminatives, Cholagogues, Coronary Dilators, Cosmetic Creams and Lotions, Deodorants, Diaphoretics, Digestives, Diuretics, Ecbolics and Oxytocics, Emetics, Emmenagogues, Escharotics, Preparations for Treatment of Eczema and Dermatitis, Expectorants, Preparations for Fluid Replacement, Fungicides, Hormone and Gland Preparations, Hypnotics, Hypotensives, Insect Repellents, Laxatives, Cathartics, and Purgatives, Leucocyte Stimulants, Intestinal Lubricants, Miotics, Mydriatics, Ophthalmic Ointments, Medicated Protective Dressings, Sedatives, Stimulants, Sunburn Preventives, Tissue Growth Stimulants, General Tonics, Uric Acid Eliminants, Varicose Vein Obliterants, Vasoconstrictors, Vaso Dilators, Vehicles e. g. Inactive Carriers or Diluents for Active Therapeutic Ingredients, Vitamin Preparations, X-Ray Contrast Media Preparations.
Claims use since May 13, 1931.

Ser. No. 385,387. THE BENJAMIN ANSEHL COMPANY, St. Louis, Mo. Filed Nov. 11, 1936.

futura

For Face Powders, Creams—Namely, Face, Hand Foundation, and Vanishing Creams; Lotions—Namely, Astringents, Skin, Face, and Hand Lotion, Skin Balm, and Skin Tonics, Rouges, Lipstick; Hair Preparations—Namely, Hair Oils, Shampoos, Brilliantine, Hair Tonic, Hair Pomade, and Wave Set; Perfumes, Toilet Waters; Nail Preparations—Namely, Polish, Lacquers, Nail Polish Remover, Cuticle Oil, Cuticle Remover, Nail Bleaches, Nail White, and Manicure Aids—Namely, Nail Pencils; Bath Powders; Eye Beautifiers—Namely, Eye Shadow, Eye Lash Pomade, and Eye Lash Mascara; Shaving Lotion, Witch Hazel, Bay Rum; All Toilet Preparations—Bath Salts, Bath Oil, Scented Body Tonic, Talcum Powder, Deodorants, Rubbing Alcohol, Suntan Oils, and Creams, and Sachet Powder.
Claims use since Oct. 16, 1936.

Ser. No. 385,491. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Nov. 13, 1936.

NOHEEV

For Silicate of Soda Either Anhydrous, Hydrated, or in Solution, (Either With or Without Minor Quantities of Admixed Mineral Ingredients) Used in the Well Drilling Industry to Impart to Drilling Muds the Ability to Make Contact with the So-Called Heaving Shale Without Disintegrating.
Claims use Sept. 10, 1936.

Ser. No. 385,734. ITCH-O-CIDE CHEMICAL COMPANY, Oklahoma City, Okla. Filed Nov. 19, 1936.

ITCH-O-CIDE

The word "Itch" is disclaimed apart from the mark.
For Preparation for Treating Skin Diseases and Skin Infections.
Claims use since May 25, 1932.

Ser. No. 385,924. CARLETON AND HOVEY COMPANY, Lowell, Mass. Filed Nov. 24, 1936.



The portrait is that of the late Father John O'Brien. The colors orange, black, and white are claimed as features of the mark. The representation of the carton, per se, and the words "Tablets of" and "Medicine" apart from the mark shown are disclaimed.
For Preparation Used in the Treatment of Lung and Throat Troubles, as a Body-Builder and Nutritive Blood and Nerve Tonic.
Claims use since Sept. 20, 1936.

Ser. No. 386,097. JACOB E. CHARLES, doing business as The Physicians' Supply Company, York, Pa. Filed Nov. 30, 1936.

PHENAMIDINE

For Analgesic Capsule Containing Various Coal-Tar Derivatives.
Claims use since Nov. 9, 1931.

Ser. No. 386,158. HENRI S. GOMPES, New York, N. Y. Filed Dec. 1, 1936.

MEPHISTO

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum Perfumes and Toilet Waters.
Claims use since Nov. 25, 1936.

Ser. No. 386,173. JAMES B. SAMPLEY, Amarillo, Tex. Filed Dec. 1, 1936.

TRY! J.B. Sampley's QUICK HEALING SALVE

The words "Try" and "Quick Healing Salve" are disclaimed apart from the mark shown. The representation of the arrow is red in color.
For Healing Salve.
Claims use since Oct. 15, 1936.

Ser. No. 386,176. CHARLES E. SIMS, doing business as Pi-Sim-O Laboratories, Greenville, S. C. Filed Dec. 1, 1936.

PI-SIM-O

For Preparation for the Treatment of Piles.
Claims use since July 1, 1936.

Ser. No. 386,726. EATON-CLARK COMPANY, Detroit, Mich. Filed Dec. 14, 1936.

PARAGENE

For Chemical Bleaching Preparations, Spot and Stain Removers, and Stripping Preparations (the Chemical has Enjoyed Wide Usage, Particularly in the Laundry and Dry Cleaning Industry as a Bleach, Spot and Stain Remover, and Stripping Agent).
Claims use since Oct. 13, 1910.

Ser. No. 386,775. PFALTZ & BAUER, INC., New York, N. Y. Filed Dec. 15, 1936.

FALBAFLEUR

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, Natural and Synthetic Oils Suitable for Perfumery Purposes and Toilet Waters.
Claims use since Dec. 4, 1936.

Ser. No. 386,994. ELMER T. KEYS, doing business as E. T. Keys Company, Baltimore, Md. Filed Dec. 21, 1936.

MAJIC BLEACH

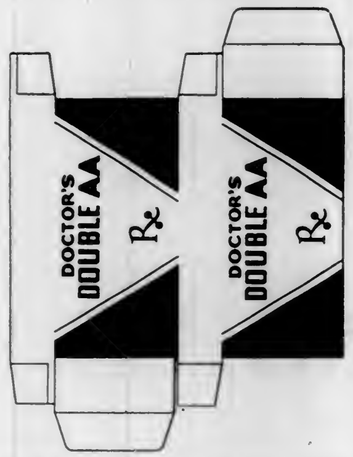
The word "Bleach" is disclaimed apart from the mark.
For Bleach for Laundry Purpose.
Claims use since Aug. 21, 1935.

Ser. No. 387,045. MEDICOLATE MFG. COMPANY, Philadelphia, Pa. Filed Dec. 22, 1936.

EX-AKE

For Preparation for Relief of Headaches and Minor Aches and Pains.
Claims use since May 1, 1936.

Ser. No. 387,101. A. J. ANCERAWICZ, doing business as AA Laboratories, Kulpmont, Pa. Filed Dec. 24, 1936.



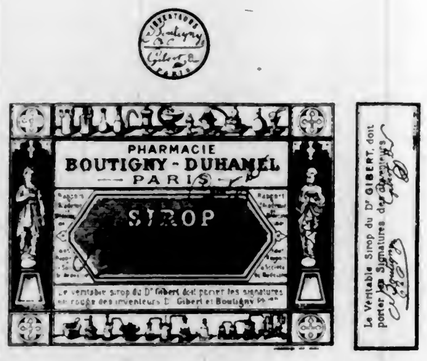
The representation of a carton, the word "Doctor's" and the prescription mark are disclaimed apart from the mark.
For Medicinal Preparations Such as Cough Drops and Wafers for Asthmatic Affection and the Like.
Claims use since Aug. 1, 1936.

Ser. No. 387,136. LEEDS & NORTHRUP COMPANY, Philadelphia, Pa. Filed Dec. 24, 1936.

HOMOCARB

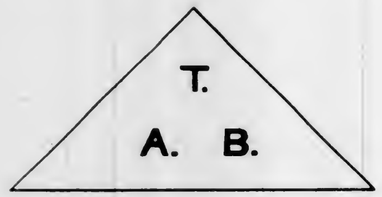
For Reagents, Reagent Mixtures, Oxygen Containing Hydrocarbons, Fusel Oil, for Use in Carburization and Prevention of Decarburization of Ferrous Metals, Steels, and Alloys.
Claims use since May 15, 1936.

Ser. No. 387,193. LHOPITALLIER & CIE., (ANCIENNE MAISON AUCENDRE), Paris, France. Filed Dec. 28, 1936. Under 10-year proviso.



For Pharmaceutical Preparation Used as a General Tonic in Syrup and Lozenge Form.
Claims use since 1883.

Ser. No. 387,228. FRANKLIN LEE TABER, Winslow, Ariz. Filed Dec. 28, 1936.



For Medicinal Preparation for the Treatment of Inflammatory Arthritis, Neuritis, Swollen Joints, Leg Cramps, and Muscular Pains.
Claims use since April, 1935.

Ser. No. 387,289. SALVATORE SESSA, doing business as Industrial Chemical Powder Co., New Haven, Conn. Filed Dec. 30, 1936.

M-R-KLEENE

The word "Kleene" is disclaimed apart from the mark.
For Rust Preventing Compounds for Automobile Radiators.
Claims use since June 15, 1936.

Ser. No. 387,303. ENRIQUE R. BALAGUER, doing business as Dr. Lovett Medicine Co., Brooklyn, N. Y. Filed Dec. 30, 1936.



For Preparations for the Purification of the Blood and for the Treatment of Malaria, Rheumatism, Anaemia, and Chlorosis.
Claims use since June 1, 1902.

Ser. No. 387,582. THE R. T. FRENCH COMPANY, Rochester, N. Y. Filed Jan. 8, 1937.

ZETTOL

For Antiseptic and Germicide.
Claims use since Dec. 29, 1936.

Ser. No. 387,640. H. KIRK WHITE & Co., Oconomowoc, Wis. Filed Jan. 9, 1937.

PURICINE

For Mouth Wash.
Claims use since Sept. 11, 1935.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 386,873. ELMER H. SCHWARZ, doing business as Arch Draft Pipe Co., Detroit, Mich. Filed Dec. 17, 1936.

CORONET

For Smokers' Pipes.
Claims use since Dec. 7, 1936.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 387,603. UNITED CARBON COMPANY, INC., Charleston, W. Va. Filed Jan. 8, 1937.

'XPLO'

For Carbon Black for Use in the Manufacture of Explosives.
Claims use since Nov. 4, 1936.

CLASS 10

Fertilizers

Ser. No. 386,997. BERTHA S. JOHNSON, doing business as Montrose Chemical Co., Lowell, Mass. Filed Dec. 21, 1936.

Gro-Lux FOR LUXURIANT GROWTH

The words "For Luxuriant Growth" are disclaimed apart from the mark.
For Fertilizers.
Claims use since Nov. 21, 1936.

CLASS 12

Construction Materials

Ser. No. 385,156. SOCIETÀ ANONIMA COMMERCIO CEMENTI PORTLAND, Trieste, Italy. Filed Nov. 4, 1936.

TEMPLE

For Portland Cement.
Claims use since June 20, 1931.

Ser. No. 385,157. SOCIETÀ ANONIMA COMMERCIO CEMENTI PORTLAND, Trieste, Italy. Filed Nov. 4, 1936.

TEMPLE

For Portland Cement.
Claims use since June 20, 1931.

Ser. No. 385,820. ALUMINUM ORE COMPANY, Pittsburgh, Pa. Filed Nov. 21, 1936.

ALORCO

The drawing is lined for red and blue.
For Lime, Gypsum, and for Bauxite Residues Used as Cement-Manufacturing Ingredients, Cement-Forming Correctives, and Heat Insulators.
Claims use since July 23, 1936.

Ser. No. 386,387. WESTERN WATERPROOFING COMPANY, Detroit, Mich. Filed Dec. 5, 1936.

RESTO-CRETE

For Waterproof and Weatherproofing Compositions—Namely, Cementitious Materials Adapted for Use in Connection with Waterproofing and Weatherproofing Building Structures.
Claims use since Aug. 1, 1926.

Ser. No. 386,735. I. F. LAUCKS, INC., Seattle, Wash. Filed Dec. 14, 1936.

PLY-TEX

For Plastic Wall Coatings.
Claims use since Dec. 10, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 387,103. THE BASSICK COMPANY, Bridgeport, Conn. Filed Dec. 24, 1936.

For Furniture Casters.
Claims use since Nov. 1, 1931.

Ser. No. 387,105. THE BASSICK COMPANY, Bridgeport, Conn. Filed Dec. 24, 1936.

BaSSick

Applicant is the owner of prior registrations No. 154,226, issued Apr. 4, 1922, and No. 175,377, issued Nov. 6, 1923.
For Furniture Casters and Slides, Metal Drawer Pulls and Knobs, Keyhole Escutcheons, Toilet Screws, Coat and Hat Hooks, Sockets for End of Table and Chair Legs, Name Plates for Files, Metal Furniture Trimmings, Hood Catches, Hood Catch Brackets, Hood Handles, and Floor Handles, Chair Hardware—Namely, Tilting Chair Irons, Swivel Seat Supports, and Back Supports.
Claims use since Oct. 19, 1932.

Ser. No. 387,106. THE BASSICK COMPANY, Bridgeport, Conn. Filed Dec. 24, 1936.

DART

For Furniture Casters.
Claims use since July 19, 1934.

Ser. No. 387,107. THE BASSICK COMPANY, Bridgeport, Conn. Filed Dec. 24, 1936.

DIAMOND ARROW

For Furniture Casters.
Claims use since Nov. 1, 1931.

Ser. No. 387,108. THE BASSICK COMPANY, Bridgeport, Conn. Filed Dec. 24, 1936.

DIAMOND ARROW

For Furniture Casters.
Claims use since Nov. 1, 1931.

Ser. No. 387,109. THE BASSICK COMPANY, Bridgeport, Conn. Filed Dec. 24, 1936.

DIAMOND-DART

For Furniture Casters.
Claims use since Sept. 27, 1934.

Ser. No. 387,110. THE BASSICK COMPANY, Bridgeport, Conn. Filed Dec. 24, 1936.

DIAMOND VELVET

For Furniture Casters.
Claims use since Sept. 1, 1909.

Ser. No. 387,111. THE BASSICK COMPANY, Bridgeport, Conn. Filed Dec. 24, 1936.

For Furniture Casters.
Claims use since Sept. 1, 1909.

Ser. No. 387,112. THE BASSICK COMPANY, Bridgeport, Conn. Filed Dec. 24, 1936.

"Flotilt"

For Chair Hardware—Namely, Tilting Chair Irons.
Claims use since Oct. 9, 1935.

CLASS 15

Oils and Greases

Ser. No. 366,873. POWER SEAL CO., doing business as Power Compression Seal Co., Los Angeles, Calif. Filed July 1, 1935.

POWER GRAPH

The word "Power" is disclaimed except as shown.
For Lubricating Motor Oils and Graphitic Lubricant to be Incorporated in Lubricating Motor Oils.
Claims use since September, 1934.

Ser. No. 372,728. THE LUBRI-ZOL CORPORATION, Cleveland and Wickliffe, Ohio. Filed Dec. 17, 1935.

Defeats Sludge

For Hydrocarbon Fuels Such as Gasoline and Chemically Treated Lubricating Compositions—Namely, Lubricating Oil and Grease.
Claims use since Nov. 29, 1935.

Ser. No. 378,125. THE BATTENFELD GREASE & OIL CORP., Kansas City, Mo. Filed May 7, 1936.

ULTRA LUBE

GREASE

The word "Grease" is disclaimed apart from the mark.
The drawing is lined for red and blue.
For Lubricating Grease.
Claims use since Mar. 28, 1936.

Ser. No. 381,603. AZIENDA ITALIANA LUBRIFICANTI CLARENTY MINERALI ORIGINALI E VEGETALI NAZIONALI, Rome, Italy. Filed July 30, 1936.



The words "Refined Oils" are disclaimed apart from the mark. The drawing is lined for red and blue.
For Lubricating Mineral Oils and Lubricating Fats.
Claims use since January, 1926.

Ser. No. 384,902. MID-WEST OIL COMPANY, Kansas City, Kans. Filed Oct. 28, 1936.



For Lubricating Oils and Lubricating Greases.
Claims use since Oct. 3, 1936.

Ser. No. 385,424. OIL SERVICE, INCORPORATED, Warren, Pa. Filed Nov. 11, 1936.

PENNITE

For Motor Lubricating Oils and Lubricating Grease.
Claims use since Oct. 17, 1936.

Ser. No. 386,661. REFINERS TO DEALERS, INC., Lockport, N. Y. Filed Dec. 11, 1936.

PENN-ROOT

For Motor Lubricating Oils and Lubricating Greases.
Claims use since Aug. 1, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 377,072. THE WARREN REFINING AND CHEMICAL COMPANY, Cleveland, Ohio. Filed Apr. 10, 1936.

NOVAR

For Oil Base Penetrant Water Proofing Filler and Seal for Floors and the Like.
Claims use since Oct. 1, 1933.

Ser. No. 386,203. LYMAN W. CARR, Fostoria, Ohio. Filed Dec. 2, 1936.

Keenizer

For Coating Effecting Polishes Possessing the Incidental Properties of a Cleaner for Furniture, Automobile Bodies, and Varnished, Lacquered, Painted, or Enameled Surfaces.
Claims use since August, 1936.

Ser. No. 386,493. THE MARVELITE PAINT COMPANY, Baltimore, Md. Filed Dec. 8, 1936.

MarveLustre

The word "Lustre" is disclaimed except as shown.
For Dry, Paste, and Ready-Mixed Paints, Paint Enamels, Prepared Shellacs, Varnishes, Lacquers, Paint Thinners, Paint Oils, Paint Pigments, Putties, and Wood and Metal Fillers.
Claims use since October, 1936.

Ser. No. 386,950. THE KEPEC COMPANY, Milwaukee, Wis. Filed Dec. 19, 1936.

KEPOLIN

For Ready Mixed Liquid Paints, Paint Enamels, Lacquers.
Claims use since Oct. 19, 1936.

Ser. No. 386,999. LITHGOW CORPORATION, Chicago, Ill. Filed Dec. 21, 1936.

LITHCOTE

For Coating Materials Such as Paint, Enamels, Lacquers, or the Like, to be Applied to Surfaces for Protective Purposes, and More Particularly for Lining Metallic Containers Such as Tanks or Tank Cars, the Coating Usually Being Baked After Being Applied; Namely, Lacquers and Enamels.
Claims use since Dec. 20, 1935.

Ser. No. 387,219. SOMAY PRODUCTS, INC., Miami, Fla. Filed Dec. 28, 1936.



The words "Decorative", "Waterproofing", "Weatherproof", and "Products" are disclaimed apart from the mark as shown.
For Cement-Base Paint in Powder Form.
Claims use since 1933.

Ser. No. 387,220. SOMAY PRODUCTS, INC., Miami, Fla. Filed Dec. 28, 1936.



The word "Walltint" is disclaimed apart from the mark.
For Water Paint.
Claims use since 1933.

Ser. No. 387,310. BINNEY & SMITH COMPANY, New York, N. Y. Filed Dec. 31, 1936.

ARTISTA FRESCOL

For Compacted Dry Color Art Medium for Dry Color Painting.
Claims use since Apr. 22, 1935.

CLASS 17

Tobacco Products

Ser. No. 387,727. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Jan. 13, 1937.

BABY GRAND

For Cigarettes.
Claims use since Dec. 2, 1936.

Ser. No. 387,729. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Jan. 13, 1937.

TOP HAT

For Cigarettes.
Claims use since Nov. 27, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 364,912. BOND ELECTRIC CORPORATION, Jersey City, N. J. Filed May 14, 1935.

POWR-LITE

For Dry Cells and Batteries of Dry Cells.
Claims use since Mar. 1, 1935.

Ser. No. 387,685. HENRY RUSKIN, doing business as Ruskin Products Company, Chicago, Ill. Filed Jan. 11, 1937.

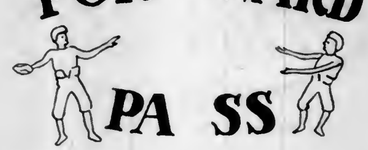


For Splicer and Covering for Conductor Wires.
Claims use since Oct. 8, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 381,440. ADOLPH G. ZELLE, Elkhart, Ind. Filed July 24, 1936.



For Football Toy.
Claims use since Jan. 1, 1935.

Ser. No. 383,494. EDW. K. TRYON COMPANY, Philadelphia, Pa. Filed Sept. 21, 1936.



For Footballs, Football Shoulder Pads, Boxing Gloves, Soccer Balls, Striking Bags, Toy Velocipedes, Baseball Bats, Badminton Racquets, Ice Skates with Shoes Attached, and Hockey Sticks.
Claims use since July 5, 1934.

Ser. No. 384,280. THE NINA WORTH COMPANY, doing business as The "Nina Worth Knok-Knok" Products, Los Angeles, Calif. Filed Oct. 12, 1936.

"Nina Worth Knok-Knok"

The name "Nina Worth" is a facsimile signature of Nina Worth, a member of the firm.
For a Card Game, Baseballs, Ball Bats, Baseball Gloves and Mitts, Exercise Balls, Footballs, Beach Balls, and Punching Bags.
Claims use since Aug. 27, 1936.

Ser. No. 386,918. LUCILLE E. WERN, Cleveland, Ohio. Filed Dec. 18, 1936.

WING-A-ROUND

For Board Game Played with Movable Pieces.
Claims use since Nov. 25, 1936.

Ser. No. 387,230. TORME PRODUCTS CO., Chicago, Ill. Filed Dec. 28, 1936.

"G" WHIZZ GUN

The word "Gun" is disclaimed apart from the mark.
For Cardboard Toy Gun.
Claims use since Dec. 14, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 372,192. THE AMERICAN DIRIGOLD CORPORATION, Kokomo, Ind. Filed Dec. 3, 1935.

Dirigold

For Spoons, Knives, Forks, Nut-Crackers, Sugar Tongs, Corkscrews, Scissors, and Fixtures or Parts to be Welded into Position, Made of Non-Precious Metal.

Claims use since Jan. 10, 1924, on spoons, knives, forks, nut-crackers, sugar tongs and corkscrews made of non-precious metal; and since Aug. 13, 1935, on scissors and fixtures or parts to be welded into position.

Ser. No. 380,242. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Filed June 25, 1936.

UNDERWOOD
UNIVERSAL

For Typewriting Machines and Parts Thereof.
Claims use since Sept. 14, 1934.

Ser. No. 383,821. ROULEMENTS A BILLES MINIATURES S. A., Bienne, Switzerland. Filed Sept. 30, 1936.

R.M.B.

For Roller and Ball Bearings.
Claims use since Apr. 30, 1936.

Ser. No. 383,822. ROULEMENTS A BILLES MINIATURES S. A., Bienne, Switzerland. Filed Sept. 30, 1936.



For Roller and Ball Bearings.
Claims use since Apr. 30, 1936.

Ser. No. 386,506. STOWE-WOODWARD, INC., Newton Upper Falls, Mass. Filed Dec. 8, 1936.

COREWELD

For Rubber-Covered Rolls for Machinery.
Claims use since June 15, 1932.

Ser. No. 386,553. NORTON COMPANY, Worcester, Mass. Filed Dec. 9, 1936.

CAM-O-LAP

For Abrading, Grinding, and Lapping Machines, Such as Camshaft Lapping Machines.
Claims use since Dec. 2, 1936.

Ser. No. 387,453. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Jan. 5, 1937.

AVALON

For Safety Razor Blades.
Claims use since Dec. 29, 1936.

Ser. No. 387,726. THE AMERICAN FOUNDRY EQUIPMENT COMPANY, Mishawaka, Ind. Filed Jan. 13, 1937.

Tablast

For Abrasive Blast Apparatus Such as Mills, Cabinets, Containers, and Conveyors Used in Cleaning, Abrading, and/or Treating Metallic Castings, Forgings, Stampings, Bars, Billets, Sheets, and Like Articles by Means of an Abrasive Blast.
Claims use since Dec. 21, 1936.

CLASS 24

Laundry Appliances and Machines

Ser. No. 386,975. AUTOMATIC WASHER COMPANY, Newton, Iowa. Filed Dec. 21, 1936.

SAVE-A-DAY

For Laundry Washing Machines.
Claims use since Oct. 1, 1935.

CLASS 25

Locks and Safes

Ser. No. 387,570. THE YALE & TOWNE MANUFACTURING COMPANY, Stamford, Conn. Filed Jan. 7, 1937.

MORIM

For Locks.
Claims use since November, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 383,098. MATISSE BROS. INC., New York, N. Y. Filed Sept. 10, 1936. Under 10-year proviso.

MATISSE

For Lenses of the Dispersing and Condensing Type as Used in the Moving Picture Industry, Railways, Marine, in the Application of Television, and in the Automotive Industry and Glass Reflectors Including Parabolic and Spherical, as Applied in the Railway Industry; for Locomotive Headlights, Yard Lights, Signals, Lanterns, Car Lighting; Marine; Searchlights and Projectors; General Illumination Including Flood and Stage Lighting; Traffic Signals; Moving Picture Industry; Reflectors for Scientific Purposes; Television; and in the Automotive Industry.
Claims use since 1894.

Ser. No. 386,941. GANG BUSTERS CRIME DETECTION LABORATORIES, Kansas City, Mo. Filed Dec. 19, 1936.

GANG BUSTERS

For Finger Print Kits, Chemical Kits, Microscopic Kits, Ballistic Kits, and Biological Kits.
Claims use since Dec. 14, 1936.

Ser. No. 387,607. CARL ZEISS, Jena, Germany. Filed Jan. 7, 1937.

BRUNAR

For Photographic, Microphotographic, Projecting, and Microscope Objectives.
Claims use since May 18, 1936.

CLASS 27

Horological Instruments

Ser. No. 387,044. E. MATHEY-TISSOT ET CO., Les Ponts de Martel, Neuchatel, Switzerland. Filed Dec. 22, 1936.

Mathey-Tissot

For Watches and Clocks and Parts Thereof.
Claims use since 1886.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 372,046. COLUMBIA PLUSH & PUFF CO., INC., Brooklyn, N. Y. Filed Nov. 27, 1935.

HOLLYWOOD STARS

For Powder Puffs.
Claims use since December, 1934.

Ser. No. 387,475. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Jan. 5, 1937.

Invigorator

For Toilet Brushes—Namely, Bath Brushes, Hair Brushes, Shampoo Brushes, and Complexion Brushes.
Claims use since Oct. 6, 1936.

CLASS 31

Filters and Refrigerators

Ser. No. 373,251. EQUIPMENT SPECIALTIES COMPANY, Chicago, Ill. Filed Jan. 2, 1936.

EQUIPCO

For Railway Refrigerating Car Apparatus—Namely, All Metal Bulkheads for a Ventilating Partition Between Cargo Space and Ice Chamber of Railway Refrigerator Cars. Metal Air Circulation Ducts for Increasing Air Circulation in Such Ice Chambers, and Other Refrigerator Units for Railway Refrigerator Cars.
Claims use since Apr. 28, 1924.

Ser. No. 383,569. C. F. BURGESS LABORATORIES, INC., Chicago, Ill. Filed Sept. 24, 1936.

TANDO

For Granular Mineral Material for Purifying Water of Tastes and Odors.
Claims use since May 21, 1936.

Ser. No. 385,452. SHERER-GILLETT COMPANY, Marshall, Mich. Filed Nov. 12, 1936.

RETARDO

For Bakers' Refrigerators.
Claims use since Aug. 19, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 381,789. SLEEPER PRODUCTS, INC., Chicago, Ill. Filed Aug. 3, 1936.

Smooth-Rest

For Twin Studio Couches.
Claims use since June 15, 1936.

Ser. No. 387,736. BULLOCK'S, INC., Los Angeles, Calif. Filed Jan. 13, 1937.

"Facillow"

For Upholstered Sofas, Chairs, Love Seats, and Pillows.
Claims use since June 18, 1935.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 374,592. IRON FIREMAN MANUFACTURING COMPANY, Portland, Oreg. Filed Feb. 7, 1936.

COAL FLOW

For Automatic Coal Burners.
Claims use since Jan. 10, 1936.

Ser. No. 387,306. C. H. WHEELER MANUFACTURING COMPANY, Philadelphia, Pa. Filed Dec. 30, 1936.

TEXTUBE

For Condensers.
Claims use since Dec. 10. 1936.

CLASS 36

Musical Instruments and Supplies

Ser. No. 378,864. TONK BROS. Co., Chicago, Ill. Filed May 25, 1936.

BRINDISI

The term "Brindisi" in musical usage means "drinking song".
For Musical Instruments and Particularly Concertinas and Accordions, Their Casings, Fittings, and Parts.
Claims use since May 19, 1936.

CLASS 37

Paper and Stationery

Ser. No. 379,716. STRATHMORE PAPER COMPANY, West Springfield, Mass. Filed June 13, 1936.

STRATHMORE
Highway Text

The word "Text" is disclaimed apart from the mark.
For Writing, Papeterie, "Mimeograph", Vellum, Text, Blue-Print, Index, Ledger, and Cover Paper.
Claims use since Apr. 16, 1932.

Ser. No. 381,978. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J. Filed Aug. 10, 1936.

DIPLESS

For Fountain Pens, Inkwells, and Desk Sets.
Claims use since June 19, 1936.

Ser. No. 385,566. DETROIT SULPHITE PULP & PAPER CO., Detroit, Mich. Filed Nov. 16, 1936.

Harmony Wrap

The word "Wrap" is disclaimed apart from the mark.
For Wrapping Paper.
Claims use since Aug. 5, 1936.

Ser. No. 386,058. WHITE & WYCKOFF MFG. COMPANY, Holyoke, Mass. Filed Nov. 27, 1936.

STAND-PAT

For Writing Tablets, Composition Books, and Note-Books.
Claims use since Oct. 1, 1936.

Ser. No. 386,596. REX PAPER COMPANY, Kalamazoo, Mich. Filed Dec. 10, 1936.



REX

For Coated Paper Used as Writing Paper, Book Paper, Printing Paper, and the Like.
Claims use since Aug. 1, 1934.

Ser. No. 386,951. WM. KORN, INC., New York, N. Y. Filed Dec. 19, 1936. Under 10-year proviso.

KORN'S

For Lithographic Crayons, Lithographic Crayon Paper Pencils, Metal Marking Crayons, and Universal Crayon Paper Pencils.
Claims use since 1880.

Ser. No. 387,003. NATIONAL BLANK BOOK COMPANY, Riverside, Holyoke, Mass. Filed Dec. 21, 1936.

EAGLE

For Blank Books, Loose Leaf Books, and Parts Thereof.
Claims use since May 1, 1905.

Ser. No. 387,223. STRATHMORE PAPER COMPANY, West Springfield, Mass. Filed Dec. 28, 1936.

ALEXANDRA JAPAN

The word "Japan" is disclaimed apart from the mark.
For Book, Cover, and Printing Papers.
Claims use since December, 1905.

Ser. No. 387,255. SECURITY THRIFT SUPPLIES CORP., Newark, N. J. Filed Dec. 29, 1936.



The words "Monthly Thrift Plan" are disclaimed apart from the mark.
For Pass Books, Receipts, and Forms.
Claims use since Mar. 18, 1936.

Ser. No. 387,504. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Jan. 6, 1937.

ESTELLE

For Absorbent Face Cleansing Sheets Made of Paper.
Claims use since Dec. 14, 1936.

Ser. No. 387,696. IRVING BERKMAN, doing business as American Book Cover Co., New York, N. Y. Filed Jan. 12, 1937.

A.B.C.

For Book Covers.
Claims use since Aug. 27, 1930.

Ser. No. 387,722. WYOMISSING GLAZED PAPER COMPANY, West Reading, Pa. Filed Jan. 12, 1937.



For Non-Curling Flint Glazed Papers, Fast-to-Light Non-Curling Flint Glazed Papers, Duplex Papers, Mat Papers (Suede) (Kid Finish), Metallic Papers, Jaspe Papers, Plate Papers, Friction Glazed Papers, Top Sized Waterproof Papers, Semi Waterproof Papers, Mica Papers and Embossed Papers.
Claims use since Dec. 16, 1936.

Ser. No. 387,888. CHICAGO PAPER COMPANY, Chicago, Ill. Filed Jan. 18, 1937.

HECTOCOPY

For Writing Paper, Printing Paper, Ledger Paper, Book Paper, Bond Paper, and Paper Specially Treated for use on Duplicating Machines and Devices.
Claims use since Jan. 6, 1937.

CLASS 38

Prints and Publications

Ser. No. 368,400. CIVIC ACTIVITIES ASSOCIATION, Rockford Ill. Filed Aug. 17, 1935.

"Your Home Town"

For Recurrently Issued Publications and Periodicals.
Claims use since July 29, 1935.

Ser. No. 379,408. BENJAMIN KITTREDGE, Brooklyn, N. Y. Filed June 5, 1936.

DENTO-PLOMA

For Printed Dental Certificate.
Claims use since May 18, 1936.

Ser. No. 385,224. JOE GODFREY, JR., Chicago, Ill. Filed Nov. 6, 1936.

Pleasure

For Periodical.
Claims use since Oct. 26, 1936.

Ser. No. 385,899. HENRY P. RANDALL, Birmingham, Ala. Filed Nov. 23, 1936.

WHO'S WHO

AMONG STUDENTS IN AMERICAN UNIVERSITIES AND COLLEGES

For Books in the Nature of Directories Published Annually.
Claims use since May, 1935.

Ser. No. 386,691. POPULAR MAGAZINES, INC., Greenwich, Conn. Filed Dec. 12, 1936.

MEN ONLY

For Magazines Published Every Month.
Claims use since Dec. 10, 1936.

Ser. No. 386,692. POPULAR MAGAZINES, INC., Greenwich, Conn. Filed Dec. 12, 1936.

PRIVATE

FOR MEN ONLY!

For Magazines Published Every Month.
Claims use since Dec. 10, 1936.

Ser. No. 386,693. POPULAR MAGAZINES, INC., Greenwich, Conn. Filed Dec. 12, 1936.

REAL LIFE
STORIES

For Magazines Published Every Month.
Claims use since Dec. 10, 1936.

Ser. No. 386,767. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Dec. 15, 1936.

Construction Equipment News

For Magazine Published Monthly.
Claims use since Dec. 12, 1936.

Ser. No. 386,908. POPULAR MAGAZINES, INC., Greenwich, Conn. Filed Dec. 18, 1936.

FOR MEN

AND MEN ONLY!

For Magazines Published Every Month.
Claims use since Dec. 15, 1936.

Ser. No. 387,117. DAILY MIRROR, INC., New York, N. Y. Filed Dec. 24, 1936.

The World On PARADE

By Candide

For Newspaper Section.
Claims use since Nov. 27, 1936.

Ser. No. 387,157. LEIGH MITCHELL HODGES, Philadelphia, Pa. Filed Dec. 29, 1936.

FAITH

For Periodicals.
Claims use since Dec. 1, 1936.

Ser. No. 387,165. BEAUTY DIGEST CORPORATION, New York, N. Y. Filed Dec. 28, 1936.

BEAUTY DIGEST

For Periodical Published Monthly.
Claims use since Dec. 23, 1936.

Ser. No. 387,439. HEARST CONSOLIDATED PUBLICATIONS, INC., Atlanta, Ga. Filed Jan. 4, 1937.

The Open Door

For Newspaper Column.
Claims use since Sept. 14, 1936.

Ser. No. 387,500. ESQUIRE FEATURES, INC., Chicago, Ill. Filed Jan. 6, 1937.

THE MOUNTAIN BOYS

For Newspaper Cartoons Published in a Continuing Series.
Claims use since September, 1936.

Ser. No. 387,509. THE NEW JERSEY ZINC COMPANY, Newark, N. J. Filed Jan. 6, 1937.

LEAVES
FROM
A PAINT RESEARCH NOTEBOOK

For Trade Paper Published at Irregular Intervals.
Claims use since Dec. 28, 1936.

CLASS 39

Clothing

Ser. No. 372,966. DOMINION CORSET COMPANY LIMITED, Quebec, Quebec, Canada. Filed Dec. 23, 1935.

CORDTEX

For Corsets, Brassières, Corselets, and Girdles.
Claims use since June, 1935.

Ser. No. 373,341. MAX M. KANN & COMPANY, Chicago, Ill. Filed Jan. 4, 1936.

SUZELLE JUNIORS

The word "Juniors" is disclaimed apart from the mark as shown.
For Girls', Ladies', and Misses' Coats, Dresses, and Suits.
Claims use since December, 1935.

Ser. No. 378,131. H. C. COHN & Co., Rochester, N. Y. Filed May 7, 1936.

RAINBOW HUES

The word "Hues" is disclaimed apart from the mark.
For Neckties.
Claims use since April, 1931.

Ser. No. 379,754. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Filed June 15, 1936.

Beaux Arts

For Women's Shoes Made of Leather and Fabric.
Claims use since Oct. 1, 1927.

Ser. No. 381,878. MAURICE L. ROTHSCHILD, INCORPORATED, Chicago, Ill. Filed Aug. 6, 1936.



CHAMILOPE

For Finished Interlinings for Clothing for Outer Wear.
Claims use since July 7, 1936.

Ser. No. 384,261. PAUL O. KUEHN, South Bend, Ind. Filed Oct. 12, 1936.

Q-N

For Footwear, Such as Men's, Women's, and Children's Shoes and Slippers of Leather, Fabric, Rubber, and Combinations of Those Materials.
Claims use since Sept. 7, 1934.

Ser. No. 384,456. FRUHAUF & MUSYL, INC., Carlstadt, N. J. Filed Oct. 17, 1936.

"Falling Leaves"

For Ladies' Hats.
Claims use since Sept. 20, 1936.

Ser. No. 384,854. THE LA SALLE HAT COMPANY, Philadelphia, Pa. Filed Oct. 27, 1936.

The MOVIE CLUB ✣ LIGHT WEIGHT ✣

The expression "Light Weight" is disclaimed.
For Men's and Boys' Hats and Caps and Ladies' Hats.
Claims use since Oct. 8, 1936.

Ser. No. 385,737. KEWPIE LINGERIE INC., New York, N. Y. Filed Nov. 19, 1936.

THE Four Star SLIP



The words "The Four Star Slip" and the representation of the four stars are disclaimed except as shown.
For Slips.
Claims use since July 24, 1936.

Ser. No. 386,037. THE LA SALLE HAT COMPANY, Philadelphia, Pa. Filed Nov. 27, 1936.

THE LIGHTWEIGHT · CHAMP by LASALLE

The words "The Lightweight" are disclaimed except as shown.
For Men's and Boys' Hats and Caps.
Claims use since Oct. 15, 1936.

Ser. No. 386,116. MAX KLEINFELD, doing business as The Kay Shoe Co., New York, N. Y. Filed Nov. 30, 1936.



The words "Hartley's", "Custom Grade", and "For the Man of Smart Attire" are disclaimed apart from the mark as shown.

For Men's, Women's, and Children's Shoes Made of Leather, Fabric, and/or Combinations Thereof.

Claims use since Feb. 17, 1934.

Ser. No. 386,275. SCRUGGS-VANDERVOORT-BARNEY DRY GOODS COMPANY, St. Louis, Mo. Filed Dec. 3, 1936.

Van Crest

For Ladies' and Misses' Shoes Made of Leather or of Fabric, or of Combinations of Leather and Fabric.

Claims use since Sept. 10, 1936.

Ser. No. 386,577. ADOLPH BERGER, doing business as Silk Hosiery Nite, New York, N. Y. Filed Dec. 10, 1936.

SILK STOCKING NITE

The words "Silk Stockings" are disclaimed apart from the mark.

For Ladies' Silk Hosiery.

Claims use since October, 1934.

Ser. No. 386,807. HARRY LANG, River Falls, Wis. Filed Dec. 16, 1936.

Langalls

For "Coveralls".

Claims use since Aug. 1, 1936.

Ser. No. 386,862. JULIUS KAYSER & CO., New York, N. Y. Filed Dec. 17, 1936.

TWINSIDE

For Ladies' Underwear Including Slips.

Claims use since Dec. 1, 1936.

Ser. No. 387,051. SOUTHERN CLOTHING MFGR'S., INC., Tampa, Fla. Filed Dec. 22, 1936.

"SOUTHERN-TEX"

For Men's Trousers.

Claims use since Nov. 24, 1936.

Ser. No. 387,074. LAY & WAY CO. INC., New York, N. Y. Filed Dec. 23, 1936.

Miss Charming

For Foundation Garments—Namely, Brassières, Bandeaux, Girdles, Corsets, Corselets, Step-Ins, and Combinations Thereof.

Claims use since August, 1935.

Ser. No. 387,343. ALFRED L. PACE, Rochester, N. Y. Filed Dec. 31, 1936.

FACH--SASHES

The word "Sashes" is disclaimed apart from the mark.

For Sashes as a Clothing Accessory.

Claims use since Dec. 1, 1936.

Ser. No. 387,359. FRED. P. WEISSMAN INC., New York, N. Y. Filed Dec. 31, 1936.

Sportleigh



CROWN CAMEL

The word "Camel" is disclaimed apart from the mark as shown.

For Misses' and Juniors' Coats Containing Camel's Hair.

Claims use since Dec. 1, 1936.

Ser. No. 387,485. THE ALLIGATOR COMPANY, St. Louis, Mo. Filed Jan. 6, 1937.

THE COACHER



BY ALLIGATOR

For Raincoats.

Claims use since Dec. 29, 1936.

Ser. No. 387,515. ROYCRAFT CLOTHES, INC., New York, N. Y. Filed Jan. 6, 1937.

ROYCRAFT

For Misses' and Junior Girls' Man-Tailored Coats and Suits.

Claims use since Nov. 4, 1936.

Ser. No. 387,528. BURNEY EPSTEIN, INC., New York, N. Y. Filed Jan. 7, 1937.

Bomerang Band

The word "Band" is disclaimed apart from the mark.

For Ladies' and Misses' Knitted Dresses, Sweaters, and Blouses.

Claims use since Sept. 7, 1936.

Ser. No. 387,529. SISSELMAN BROS., INC., New York, N. Y. Filed Jan. 7, 1937.



The words "Sponsored By" are disclaimed apart from the mark.

For Ladies' and Misses' Coats and Suits.

Claims use since Dec. 16, 1935.

Ser. No. 387,542. COOPER, WELLS & COMPANY, St. Joseph, Mich. Filed Jan. 7, 1937.

CLASSWEAVE

For Hosiery for Women.

Claims use since Dec. 23, 1936.

Ser. No. 387,543. COOPER, WELLS & COMPANY, St. Joseph, Mich. Filed Jan. 7, 1937.

SUPERWEAVE

For Hosiery for Women.

Claims use since Dec. 23, 1936.

Ser. No. 387,638. WELLS-LAMONT-SMITH CORPORATION, Minneapolis, Minn. Filed Jan. 9, 1937.

Ritzee

For Fabric Gloves and Gloves of Combined Leather and Fabric.

Claims use since Nov. 30, 1936.

Ser. No. 387,707. R. H. MACY & CO., INC., New York, N. Y. Filed Jan. 12, 1937.

PLANTER'S PUNCH

For Women's Shoes of Leather.

Claims use since July 31, 1936.

Ser. No. 387,863. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Jan. 16, 1937.

SONATA

For Ladies' Rayon Underwear, Pajamas, Nightgowns, and Dresses.

Claims use since Dec. 15, 1936.

Ser. No. 387,897. GENERAL HOSIERY COMPANY, Fort Wayne, Ind. Filed Jan. 18, 1937.

ARDENT

For Hosiery.

Claims use since Dec. 28, 1936.

Ser. No. 387,898. GENERAL HOSIERY COMPANY, Fort Wayne, Ind. Filed Jan. 18, 1937.

ENTICEMENT

For Hosiery.

Claims use since Dec. 22, 1936.

Ser. No. 387,899. GENERAL HOSIERY COMPANY, Fort Wayne, Ind. Filed Jan. 18, 1937.

TEMPTRESS

For Hosiery.

Claims use since Dec. 28, 1936.

Ser. No. 387,941. FREEMAN SHOE CORPORATION, Beloit, Wis. Filed Jan. 19, 1937.



The word "Bootmaker" is disclaimed apart from the mark.

For Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof.

Claims use since Dec. 16, 1936.

Ser. No. 387,982. BOTANY WORSTED MILLS, Passaic, N. J. Filed Jan. 21, 1937.

KASHAWATE

For Neckties.

Claims use since Feb. 26, 1936.

Ser. No. 388,016. I. MILLER & SONS, INC., Long Island City, N. Y. Filed Jan. 21, 1937.

Mademoiselle

For Ladies' Shoes Made of Leather, Fabric, and Combinations of These Materials.
Claims use since September, 1936.

Ser. No. 388,113. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Jan. 23, 1937. Under section 5b of the act of 1905 as amended in 1920.

Manhattan

For Clothing as Follows, Worn by Men and Women: Outer Shirts, Collars, Pajamas, Neckties, Handkerchiefs, Slacks, Robes for Personal Wear, Sleeping Robes, Lounging Robes, Bath Robes, and Beach Robes, Sport Coats, and Sport Jackets.

The trade-mark has been continuously used in the business of the applicant and applicant's predecessors from whom title was derived since 1869 applied to shirts; since 1890 applied to collars; since about 1911 applied to handkerchiefs; and in the business of the applicant since about 1919 applied to pajamas; since about 1926 applied to robes for personal wear; since about 1930 applied to neckties, and since about 1934 applied to slacks, sport coats and sport jackets.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 387,809. AMERICAN MERCHANDISE CO. INC., New York, N. Y. Filed Jan. 15, 1937.

SEWING CIRCLE

For Needles for Hand Use.
Claims use since Jan. 4, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 384,314. S. J. ARONSOHN, INC., New York, N. Y. Filed Oct. 14, 1936.

FASCINATION

For Piece Goods Made of Rayon and Synthetic Yarns.
Claims use since Aug. 1, 1936.

Ser. No. 385,405. THE HOPEVILLE MANUFACTURING COMPANY, Worcester, Mass. Filed Nov. 11, 1936. Under 10-year proviso.

HOPEVILLE MILLS

For Woolen Textile Fabrics (Piece Goods).
Claims use since Apr. 4, 1892.

Ser. No. 386,432. KAYLOOMS INCORPORATED, Weehawken, N. J. Filed Dec. 7, 1936.

KAYLOOM PRODUCT

The word "Product" is disclaimed apart from the mark.
For Knitted Textile Piece Goods.
Claims use since Apr. 24, 1936.

Ser. No. 386,535. THE EMPORIUM, San Francisco, Calif. Filed Dec. 9, 1936.

Pacific Pageant

For Piece Goods of Crepe, Cotton, Silk, Rayon, Acetate, and Linen.
Claims use since Dec. 2, 1936.

Ser. No. 386,772. E. S. FRENEAU & COMPANY, New York, N. Y. Filed Dec. 15, 1936.



The word "Fabric" is disclaimed apart from the mark.
For Woven Fabrics in the Piece, Including Rayon Fabrics, Rayon and Acetate Fabrics, Rayon and Cotton Fabrics, Acetate and Cotton Fabrics, Rayon, Wool, and Cotton Fabrics, and Acetate, Wool, and Cotton Fabrics.
Claims use since Oct. 8, 1936.

Ser. No. 386,954. MAX LEVINE & CO., New York, N. Y. Filed Dec. 19, 1936.

Cereal Tweed

The word "Tweed" is disclaimed apart from the mark as shown.
For Tweed Piece Goods.
Claims use since Nov. 16, 1936.

Ser. No. 387,741. CORSICANA COTTON MILLS, Corsicana, Tex. Filed Jan. 13, 1937.

BATTLE SHIP

For Double Filling Ducks of Different Widths and Weights.
Claims use since Dec. 15, 1936.

Ser. No. 387,742. CORSICANA COTTON MILLS, Corsicana, Tex. Filed Jan. 13, 1937.

TEXAS RANGER

For Double Filling Ducks of Different Widths and Weights.
Claims use since Dec. 14, 1936.

Ser. No. 387,798. A. SCHOTTLAND, INC., New York, N. Y. Filed Jan. 14, 1937.

NANUETTE

For Fabrics and Piece Goods, Especially Rayon and Silk Lingerie Crepe.
Claims use since Jan. 1, 1936.

CLASS 43

Thread and Yarn

Ser. No. 387,801. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 14, 1937.

CHALLENGE

For Crochet Cotton.
Claims use since Feb. 15, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 385,162. UNIVERSAL DENTAL COMPANY, Philadelphia, Pa. Filed Nov. 4, 1936.



The words "Modified Posteriors", "Philadelphia", and the representation of the goods are disclaimed apart from the mark.
For Artificial Teeth.
Claims use since June 10, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 387,618. BLUE SEAL EXTRACT COMPANY, Cambridge, Mass. Filed Jan. 9, 1937.

TANDEM

For Soft Drinks, Particularly Lemon Soda.
Claims use since Nov. 23, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 357,702. ALBERS BROS. MILLING CO., Portland, Oreg. Filed Oct. 31, 1934.



The drawing is lined for red and blue.
For Buckwheat and Wheat Flour.
Claims use since Aug. 25, 1934.

Ser. No. 375,064. THE SMACK CORPORATION, New York, N. Y. Filed Feb. 20, 1936.



The expressions "sold the world over" and "chocolate covered ice cream" apart from the mark as shown and the outline of a wrapper are disclaimed.
For Frozen Confections.
Claims use since Apr. 23, 1935.

Ser. No. 376,578. RICHARD J. H. FARRAR, doing business as Pupukea Farm, Maunawai Post Office, Oahu, Hawaii, Filed Mar. 30, 1936.

PUPUKEA WHITE SHELL BRAND FARM

The word "Pupukea" means "White Shell". The word "Brand" is disclaimed apart from the mark.
For Fresh Deciduous Fruits and Vegetables.
Claims use since September, 1935.

Ser. No. 382,483. MANTECA CANNING COMPANY, Manteca, Calif. Filed Aug. 22, 1936.

COLLINA

For Canned Food Products—Namely, Canned Tomato Paste.
Claims use since June 24, 1936.

Ser. No. 383,803. FEHR BAKING COMPANY OF BEAUMONT, Beaumont, Tex. Filed Sept. 30, 1936.

Fair-Maid

For Bread.
Claims use since Sept. 3, 1931.

Ser. No. 383,878. EDISON ORANGE GROWERS ASSOCIATION, San Francisco and Edison, Calif. Filed Oct. 2, 1936.

BRILLIANT

For Fresh Citrus Fruit.
Claims use since Aug. 25, 1936.

Ser. No. 385,265. REBECCA MARGOLIS, doing business as Margolis Kosher Products Co., Uphams Corner Station, Boston, Mass. Filed Nov. 7, 1936.

VEG-JEL

The word "Jel" is disclaimed apart from the mark.
For Edible Jelling Composition in Granular Form Composed Entirely of Vegetable Ingredients for Making Desserts.
Claims use since Oct. 23, 1936.

Ser. No. 386,448. RODDENBERY BROTHERS, Cairo, Ga. Filed Dec. 7, 1936.

GEORGIA MAID

For Pickles, Peanut Butter, Pickle Relish, and Table Syrup.
Claims use since Apr. 5, 1921, on syrup; Aug. 26, 1936, on pickles and relish; and Oct. 14, 1936, on peanut butter.

Ser. No. 386,450. W. B. RODDENBERY CO., Cairo, Ga. Filed Dec. 7, 1936.

Pickle Patch

The word "Pickle" is disclaimed apart from the mark.
For Pickles and Pickle Relish.
Claims use since Sept. 19, 1936.

Ser. No. 386,580. D. C. UNIT OF NATION-WIDE SERVICE GROCERS, INC., Washington, D. C. Filed Dec. 10, 1936.

Lord Fairfax

Applicant is the owner of Trade-Mark No. 211,389.
For Cocoa, Coffee, Canned Milk, Canned Codfish Cakes, Canned Dog Food, and Canned Fruits and Vegetables, Including Peaches, Pineapple, Fruit Cocktail, Corn, Peas, String Beans, Spinach, Lima Beans, Tomato Juice.
Claims use since June 3, 1925.

Ser. No. 386,629. BAY STATE MILLING COMPANY, Winona, Minn. Filed Dec. 11, 1936.



For Wheat Flour.
Claims use since Oct. 31, 1936.

Ser. No. 386,764. FANT MILLING COMPANY, Sherman, Tex. Filed Dec. 15, 1936.



The word "Special" is disclaimed except as shown.
For Wheat Flour with Special High Gluten Content.
Claims use since July, 1936.

Ser. No. 386,776. P. & S. PLUM LTD., Copenhagen, Denmark. Filed Dec. 15, 1936.



The words "Brand", "Product of Denmark", and the representation of a cheese are disclaimed except as shown.
For All Kinds of Cheese.
Claims use since 1936.

Ser. No. 386,796. ESKIMO PIE CORPORATION, Brooklyn, N. Y. Filed Dec. 16, 1936.

FUDG-PIE

Applicant is the owner of trade-mark registration No. 162,585. The word "Fudg" is disclaimed apart from the mark.
For Frozen Confections.
Claims use since Sept. 15, 1936.

Ser. No. 386,872. HERBERT J. SCHUETTE, doing business as Finer Flaver Foods Company, Santa Monica, Calif. Filed Dec. 17, 1936.

NATURE'S FINER FLAVER

The words "Finer Flaver" are disclaimed apart from the mark.
For Canned Fruits and Vegetables.
Claims use since Nov. 28, 1936.

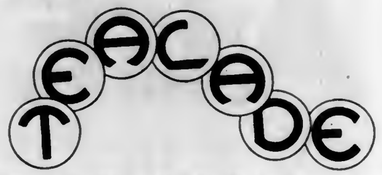
Ser. No. 386,948. IVANHOE FOODS, INC., Auburn, N. Y. Filed Dec. 19, 1936.

IVANHOE

REDiSALAD

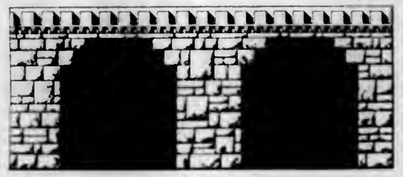
The word "Redisalad" is disclaimed apart from the mark.
For Canned Salads.
Claims use since Nov. 23, 1936.

Ser. No. 387,262. MABEL D. AYDELOTTE, Yarmouth Port, Mass. Filed Dec. 30, 1936.



For Food Beverage to be Used as a Substitute for Tea or Coffee.
Claims use since Sept. 3, 1936.

Ser. No. 387,280. IVANHOE FOODS, INC., Auburn, N. Y. Filed Dec. 30, 1936.



For Canned Salads—Namely, Vegetable Salads.
Claims use since Nov. 23, 1936.

Ser. No. 387,293. ARON STREIT, New York, N. Y. Filed Dec. 30, 1936.

HEALTH BUDS

The word "Health" is disclaimed.
For Matzoths.
Claims use since Dec. 15, 1934.

Ser. No. 387,472. WILLIAM E. MCINTOSH, Buffalo, N. Y. Filed Jan. 5, 1937.

AP-L-PY

For Fresh Apples.
Claims use since Nov. 19, 1936.

Ser. No. 387,546. DENMAN & HERNES, INC., New York, N. Y. Filed Jan. 7, 1937.

Dairy Harvest



The word "Dairy" is disclaimed apart from the mark.
For Butter.
Claims use since Dec. 1, 1936.

Ser. No. 387,576. BRIGGS LEMON ASSOCIATION, Santa Paula, Calif. Filed Jan. 8, 1937.

RULER

For Fresh Citrus Fruit—Namely, Lemons.
Claims use since Nov. 17, 1936.

Ser. No. 387,577. BRIGGS LEMON ASSOCIATION, Santa Paula, Calif. Filed Jan. 8, 1937.

CUSTOM

For Fresh Citrus Fruit—Namely, Lemons.
Claims use since Nov. 17, 1936.

Ser. No. 387,733. BROCK CANDY COMPANY, Chattanooga, Tenn. Filed Jan. 13, 1937.

BAZOOKA

For Candy.
Claims use since Jan. 4, 1937.

Ser. No. 387,740. SAM CHASTAIN, Canal Point, Fla. Filed Jan. 13, 1937.

GOVERNOR

For Fresh Vegetables.
Claims use since November, 1934.

Ser. No. 387,759. VIMPEP FOODS, INC., Cambridge, Md. Filed Jan. 13, 1937.

PLAY BOY

For Canned Dog Food.
Claims use since Dec. 28, 1936.

Ser. No. 387,765. TEN CROWN GUM CO., INC., Naugatuck, Conn. Filed Jan. 13, 1937.

TEN CROWN

For Chewing Gum.
Claims use since May 1, 1936.

Ser. No. 387,811. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Jan. 15, 1937.

BAND WAGON

For Coffee.
Claims use since Dec. 9, 1936.

Ser. No. 387,874. NATIONAL BISCUIT COMPANY, New York, N. Y. Filed Jan. 16, 1937.

FROLIC

For Bakery Products—Namely, Ice Cream Cones.
Claims use since Jan. 1, 1937.

Ser. No. 387,875. NATIONAL BISCUIT COMPANY, New York, N. Y. Filed Jan. 16, 1937.

HY-TIME

For Bakery Products—Namely, Ice Cream Cones.
Claims use since Jan. 1, 1936.

CLASS 48

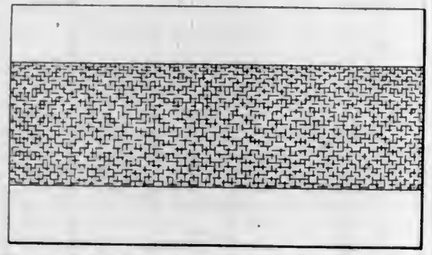
Malt Beverages and Liquors

Ser. No. 383,100. NARRAGANSETT BREWING COMPANY, Cranston, R. I. Filed Sept. 10, 1936.

Bohemian ALE

The word "Ale" is disclaimed apart from the association shown.
For Malt Beverages With Not More Than the Legal Alcoholic Content.
Claims use since July 20, 1936.

Ser. No. 383,175. NARRAGANSETT BREWING COMPANY, Cranston, R. I. Filed Sept. 12, 1936.



The trade-mark consists of a gold band extending around the can and spaced from the ends thereof.
For Malt Beverages With Not More Than the Legal Alcoholic Content.
Claims use since June 20, 1936.

Ser. No. 387,602. THE TRINITY AUDIT ALE ASSOCIATION, LTD., New York, N. Y. Filed Jan. 8, 1937.

Trinity Audit

For Ale.
Claims use since Dec. 4, 1936.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 344,757. THE CALDWELL RUM DISTILLERY, INC., Newburyport, Mass. Filed Dec. 11, 1933.

CALDWELL'S RUM

The words "Caldwell's Rum" is disclaimed except in association with the letter C.
For Rum.
Claims use since Dec. 8, 1933.

Ser. No. 380,651. LORBER MERCANTILE COMPANY, Kansas City, Mo. Filed July 6, 1936.

"86"

For Whiskey.
Claims use since June 25, 1936.

Ser. No. 385,723. COLLEGE INN FOOD PRODUCTS COMPANY, Chicago, Ill. Filed Nov. 19, 1936.

Bonnie Glen

For Whiskies.
Claims use since Oct. 22, 1936.

Ser. No. 387,005. THE OVERBROOK COMPANY, INC., Baltimore, Md. Filed Dec. 21, 1936.



No claim is made to any words except "Kentucky Favorite".
For Whiskey and Gin.
Claims use since Dec. 4, 1936.

Ser. No. 387,015. IRVING B. HORN, doing business as The Horn Company, Baltimore, Md. Filed Dec. 21, 1936.

MERCHANTS CLUB

Exclusive use of the word "Club" is disclaimed.
For Whiskey.
Claims use since Mar. 26, 1936.

Ser. No. 387,042. INTERNATIONAL DISTRIBUTING CORPORATION, Washington, D. C. Filed Dec. 22, 1936.

HORSE 'n BUGGY

For Whiskey.
Claims use since Dec. 10, 1936.

Ser. No. 387,234. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Dec. 28, 1936.

PRIVATE CELLAR

For Whiskey.
Claims use since Nov. 24, 1936.

Ser. No. 387,527. EDWARD YOUNG & CO. LIMITED, London and Liverpool, England. Filed Jan. 6, 1937.

BLUE MOUNTAIN

For Jamaica Rum.
Claims use since 1914.

Ser. No. 387,593. PENNSYLVANIA DISTILLING CO., INC., Logansport, Pa. Filed Jan. 8, 1937.

BRIARCLIFFE

For Whiskey.
Claims use since July, 1933.

CLASS 50

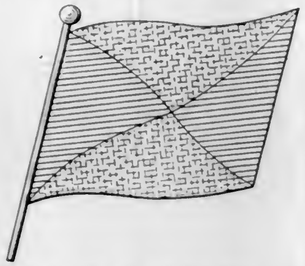
Merchandise Not Otherwise Classified

Ser. No. 381,089. ALEXANDER ANDERSON SCOTT, Knoxville, Tenn. Filed July 16, 1936.

Hy Lite

For Molded Parts—Namely, Molded Bottle Caps and Combined Bottle Closures and Dose or "Jigger" Cups.
Claims use since June 14, 1935.

Ser. No. 386,540. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 9, 1936.



The drawing is lined for blue and gold.
For Transparent, Colored or Uncolored, Slightly Extensible Film, Sheet or Strip, Composed Entirely or Largely of a Rubber Derivative for Wrapping, Packaging, and Covering.
Claims use since June 28, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 9, 1937

343,789. LIQUID, IN WHICH INSECTICIDAL AND GERMICIDAL AGENTS ARE DISSOLVED FOR ATOMIZATION AND SPRAYING, AND MATERIALS OF LIKE CHARACTER IN WHICH PERFUMED DEODORANTS ARE DISSOLVED. NOXON CHEMICAL PRODUCTS CO., INC., assignor to Leopoldine Nottebaum, Newark, N. J.
Filed April 19, 1933. Serial No. 336,955. PUBLISHED JULY 3, 1934. Class 6.

343,790. WHISKEY, GIN, RUM, RYE, BRANDY, AND CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed November 22, 1933. Serial No. 343,967. PUBLISHED DECEMBER 29, 1936. Class 49.

343,791. CLEANER FOR WALLPAPER, WINDOW SHADES, CALCIMINE, AND FRESCO. THE CLIMAX CLEANER MANUFACTURING COMPANY, Cleveland, Ohio.
Filed December 18, 1933. Serial No. 345,047. PUBLISHED MARCH 19, 1935. Class 4.

343,792. BREAD AND FRUIT CONCENTRATES IN DEHYDRATED FORM FOR USE IN MANUFACTURING BREAD AND BAKED PRODUCTS. DRY FRUIT PRODUCTS CORPORATION, Oakland, Calif.
Filed April 24, 1935. Serial No. 364,127. PUBLISHED DECEMBER 29, 1936. Class 46.

343,793. WRITING PAPER, PRINTING PAPER, AND BOND PAPER. NATION WIDE PAPERS, INC., Chicago, Ill.
Filed September 14, 1935. Serial No. 369,303. PUBLISHED DECEMBER 29, 1936. Class 37.

343,794. WOMEN'S, MISSES' AND CHILDREN'S DRESSES. STANDARD GARMENT COMPANY, Columbia, Pa., and New York, N. Y.
Filed October 7, 1935. Serial No. 370,126. PUBLISHED DECEMBER 22, 1936. Class 39.

343,795. RUBBER HEELS. FREDERICK W. GOAKES, Cleveland, Ohio.
Filed October 17, 1935. Serial No. 370,465. PUBLISHED DECEMBER 29, 1936. Class 39.

343,796. ORGANIC DYESTUFFS FOR USE IN DYEING CELANESE AND ACETATE SILKS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed October 24, 1935. Serial No. 370,749. PUBLISHED DECEMBER 29, 1936. Class 6.

343,797. THREAD AND YARN OF ARTIFICIAL ORIGIN. NORTH AMERICAN RAYON CORPORATION, New York, N. Y.
Filed October 28, 1935. Serial No. 370,889. PUBLISHED DECEMBER 29, 1936. Class 43.

343,798. WOMEN'S AND GIRLS' SKIRTS, WAISTS, SUITS, COATS, AND PAJAMAS; CHILDREN'S ROMPERS, DRESSES, AND SUITS; MEN'S AND BOYS' SUITS, COATS, AND TROUSERS. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y.
Filed November 8, 1935. Serial No. 371,353. PUBLISHED DECEMBER 29, 1936. Class 39.

343,799. PREPARED MINCED AND BARBEQUED CHICKEN, MANUFACTURED FOR SALE IN CANS AND ANALOGOUS CONTAINERS. ROBERT C. JOHNSON, West Pensacola, Fla.
Filed November 12, 1935. Serial No. 371,469. PUBLISHED DECEMBER 29, 1936. Class 46.

343,800. MANICURE INSTRUMENTS. THE AMERICAN DIRIGOLD CORPORATION, Kokomo, Ind.
Filed December 3, 1935. Serial No. 372,193. PUBLISHED DECEMBER 29, 1936. Class 44.

343,801. METAL DOOR KNOBS AND METAL PIPE FITTINGS. THE AMERICAN DIRIGOLD CORPORATION, Kokomo, Ind.
Filed December 3, 1935. Serial No. 372,194. PUBLISHED DECEMBER 29, 1936. Class 13.

343,802. SHEETS, RODS, WIRE, TUBING, WELDING, RODS, AND CASTINGS. THE AMERICAN DIRIGOLD CORPORATION, Kokomo, Ind.
Filed December 3, 1935. Serial No. 372,197. PUBLISHED DECEMBER 29, 1936. Class 14.

343,803. PREPARATION FOR REMOVING HAIR FROM THE BODY. BENJAMIN FRANKEL, New York, N. Y., assignor to Jean Jordeau, Inc., South Orange, N. J., a corporation of New Jersey.
Filed December 20, 1935. Serial No. 372,873. PUBLISHED MARCH 24, 1936. Class 6.

343,804. MOLDED PRODUCTS CONTAINING ASBESTOS—NAMELY, BRAKE LININGS AND CLUTCH FACING. THE BONDALL COMPANY, St. Louis, Mo.
Filed December 23, 1935. Serial No. 372,953. PUBLISHED DECEMBER 29, 1936. Class 35.

343,805. AUTOMOBILE RADIATOR CLEANING COMPOUND AND PRESERVER, COMPOUND FOR STOPPING LEAKS IN AUTOMOTIVE WATER COOLING SYSTEMS. THE PURE OIL COMPANY, Chicago, Ill.
Filed December 23, 1935. Serial No. 372,995. PUBLISHED DECEMBER 22, 1936. Class 6.

343,806. FACE CREAMS, FACE LOTIONS, FACE TONICS, SHAMPOO, HAIR TONICS, ROUGE, LIP STICKS, EYEBROW PENCILS, EAU DE COLOGNE, PERFUMES, EYE SHADOW, NAIL OILS, NAIL POLISHES. MARY FIELDS, doing business as Le Continent et Cie, Chicago, Ill.
Filed January 4, 1936. Serial No. 373,336. PUBLISHED DECEMBER 15, 1936. Class 6.

343,807. DAIRY FEED, POULTRY FEED, DOG FEED, STOCK FFED, SELF-RISING FLOUR, AND WHEAT FLOUR. FARMERS' COOPERATIVE EXCHANGE, Raleigh, N. C.
Filed January 15, 1936. Serial No. 373,681. PUBLISHED DECEMBER 29, 1936. Class 46.

343,808. PHARMACEUTICAL PREPARATION FOR USE IN THE TREATMENT OF DISEASES OF THE RESPIRATORY ORGANS. HECKEL & JUNGE, Santa Monica, Calif.
Filed January 21, 1936. Serial No. 373,918. PUBLISHED DECEMBER 15, 1936. Class 6.

343,809. CAMP AND KITCHEN STOVES AND BURNERS, AND PARTS THEREFOR. THE MIDLAND STEEL PRODUCTS COMPANY, Cleveland, Ohio.
Filed January 25, 1936. Serial No. 374,088. PUBLISHED DECEMBER 29, 1936. Class 34.

343,810. CHEMICAL MIXTURE USED FOR DECORATIVE FINISHING OF WALLS, POTTERY, CONCRETE PRODUCTS, MASONRY SURFACES AND THE LIKE. NATIONAL POTTERIES COMPANY, Minneapolis, Minn.
Filed January 28, 1936. Serial No. 374,203. PUBLISHED DECEMBER 29, 1936. Class 16.

343,811. MATERIAL HANDLING EQUIPMENT—NAMELY, LIFT-TRUCKS, BARREL TRUCKS, ROCKERACKS, AND SKID PLATFORMS. BARRETT-CRAVENS COMPANY, Chicago, Ill.
Filed February 8, 1936. Serial No. 374,611. PUBLISHED DECEMBER 29, 1936. Class 19.

343,812. MAGAZINE SECTION IN THE NATURE OF A DIRECTORY OR THE LIKE. HEARST MAGAZINES, INC., New York, N. Y
Filed February 20, 1936. Serial No. 375,051. PUBLISHED DECEMBER 8, 1936. Class 38.

343,813. CLEANSING CREAM HAVING INCIDENTAL PROPERTIES AS A SOAP. AUGUSTUS FREDERICK MACK, JR., doing business as Mack Brothers Products, Miramar, San Diego, Calif.
Filed February 28, 1936. Serial No. 375,333. PUBLISHED DECEMBER 29, 1936. Class 6.

343,814. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. BROWN-FORMAN DISTILLERY COMPANY, Louisville, Ky.
Filed March 9, 1936. Serial No. 375,752. PUBLISHED DECEMBER 29, 1936. Class 49.

343,815. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed March 10, 1936. Serial No. 375,804. PUBLISHED DECEMBER 29, 1936. Class 6.

343,816. HATS. TEXAS HARVEST HAT COMPANY, Laredo, Tex.
Filed March 18, 1936. Serial No. 376,148. PUBLISHED DECEMBER 22, 1936. Class 39.

343,817. FRESH LETTUCE. STANLEY FRUIT CO., Phoenix, Ariz.
Filed March 25, 1936. Serial No. 376,414. PUBLISHED MAY 26, 1936. Class 46.

343,818. PERFUMES, TOILET WATERS, AND HAIR LOTIONS. PARFUMS IRFÉ LTD., London, England.
Filed March 26, 1936. Serial No. 376,438. PUBLISHED DECEMBER 29, 1936. Class 6.

343,819. HOSIERY, FUR COATS, UNDERWEAR, NEGLIGEE, WOMEN'S HATS, AND SHOES OF LEATHER AND FABRIC. NATIONAL MODES, INC., New York, N. Y.
Filed April 3, 1936. Serial No. 376,771. PUBLISHED DECEMBER 29, 1936. Class 39.

343,820. VIOLINS, STRING BASSES, CELLOS, VIOLAS, DOUBLE BASS BOWS, VIOLIN BOWS, CELLO BOWS, AND VIOLA BOWS. HENRY STADLMAIR CO. INC., New York, N. Y.
Filed April 14, 1936. Serial No. 377,199. PUBLISHED DECEMBER 29, 1936. Class 36.

343,821. BOOKLET PUBLICATIONS, CONSISTING OF CARTOONS, CARTOON STRIPS, PUZZLES, GAMES, TRICKS OF MAGIC, STORIES, LESSONS, ADVERTISEMENTS, ETC., PUBLISHED IN A SERIES. EASTERN COLOR PRINTING COMPANY, Waterbury, Conn.
Filed April 20, 1936. Serial No. 377,381. PUBLISHED DECEMBER 8, 1936. Class 38.

343,822. CHEMICAL ADJUVANTS FOR PETROLEUM OILS ADAPTED TO IMPROVE THE LUBRICATING CHARACTERISTICS OF SUCH PETROLEUM OILS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed April 20, 1936. Serial No. 377,406. PUBLISHED DECEMBER 15, 1936. Class 6.

343,823. CHEMICAL ADJUVANTS FOR PETROLEUM OILS ADAPTED TO REDUCE THE POUR POINT AND OTHERWISE IMPROVE THE LUBRICANT VALUE OF SAID PETROLEUM OILS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed April 20, 1936. Serial No. 377,407. PUBLISHED DECEMBER 15, 1936. Class 6.

343,824. FACE POWDER. COLOR INSTRUMENT CORPORATION, New York, N. Y.
Filed April 21, 1936. Serial No. 377,456. PUBLISHED DECEMBER 29, 1936. Class 6.

343,825. FACE POWDER. COLOR INSTRUMENT CORPORATION, New York, N. Y.
Filed April 21, 1936. Serial No. 377,457. PUBLISHED DECEMBER 29, 1936. Class 6.

343,826. AUTOMATIC SPRINKLER SYSTEMS AND PARTS OF SUCH SYSTEMS. ROCKWOOD SPRINKLER COMPANY OF MASSACHUSETTS, Worcester, Mass.
Filed April 27, 1936. Serial No. 377,716. PUBLISHED DECEMBER 29, 1936. Class 13.

343,827. PERFUMES, TOILET WATERS, FACE AND TOILET POWDERS, POWDER AND ROUGE COMPACTS, ROUGES, LIPSTICKS, BATH SALTS, LOTIONS FOR THE SKIN AND HAIR, AND SACHETS. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France.
Filed April 29, 1936. Serial No. 377,776. PUBLISHED OCTOBER 27, 1936. Class 6.

343,828. SPARK PLUG. FELIX M. ANTHONY, Piedmont, Calif.
Filed May 4, 1936. Serial No. 377,956. PUBLISHED DECEMBER 29, 1936. Class 21.

343,829. STEMMING PLUGS. SAFETY STEMMING PLUG COMPANY, INC., New York, N. Y.
Filed May 5, 1936. Serial No. 378,058. PUBLISHED DECEMBER 29, 1936. Class 9.

343,830. RAYON PIECE GOODS. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed May 6, 1936. Serial No. 378,064. PUBLISHED DECEMBER 29, 1936. Class 42.

343,831. METAL COMPACTS FILLED WITH POWDER, PERFUME, LIPSTICK, FACE POWDER. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed May 8, 1936. Serial No. 378,179. PUBLISHED JULY 28, 1936. Class 6.

343,832. PERIODICAL PUBLICATION DEVOTED TO MATTERS OF INTEREST TO MOTORING PUBLIC. JAMES T. IGOE PUBLISHERS, INC., Chicago, Ill.
Filed May 9, 1936. Serial No. 378,255. PUBLISHED DECEMBER 8, 1936. Class 38.

343,833. MEDICINAL PREPARATIONS USED IN THE TREATMENT OF POULTRY AND RABBITS, FOR COCCIDIOSIS, AND FOR RESPIRATORY DISEASES SUCH AS ROUP, COLDS, LARYNGO-TRACHEITIS, AND PNEUMONIA. ATWOOD BUCKMASTER, doing business as Blactol Remedy Co., Montpelier, Ind.
Filed May 11, 1936. Serial No. 378,312. PUBLISHED DECEMBER 15, 1936. Class 6.

343,834. THERMOSTATIC ELEMENTS AND BLANKS THEREFOR. THE IMPROVED SEAMLESS WIRE COMPANY, Providence, R. I., assignor to Laminated Metals Corporation, Providence, R. I., a corporation of Rhode Island.
Filed May 15, 1936. Serial No. 378,486. PUBLISHED DECEMBER 29, 1936. Class 26.

343,835. PHOTOGRAPHIC CAMERAS AND FILMS THEREFOR, MOTION PICTURE FILMS AND CAMERAS, AND MOTION PICTURE PROJECTORS. SUZANNE ROSALIE JOURJON, Paris, France.
Filed May 18, 1936. Serial No. 378,569. PUBLISHED DECEMBER 29, 1936. Class 26.

343,836. DEHYDRATED VEGETABLE FOR THERAPEUTIC USE. MAURICE LE BELL, Los Angeles, Calif.
Filed May 25, 1936. Serial No. 378,844. PUBLISHED DECEMBER 15, 1936. Class 6.

343,837. FELT HAT CLEANER. JULIUS LUSTIG, doing business as Lustor Manufacturing Company, San Jose, Calif.
Filed May 25, 1936. Serial No. 378,870. PUBLISHED DECEMBER 22, 1936. Class 4.

343,838. COSMETICS AND BEAUTY PREPARATIONS—NAMELY, HERBAL LOTION, SKIN TONIC, FOUNDATION CREAM, HERBAL OIL, ETC. JACQUELINE COCHRAN, doing business as Jacqueline Cochran Beauty Salon, Chicago, Ill., and J. C. Laboratories, Roselle, N. J.
Filed May 28, 1936. Serial No. 378,977. PUBLISHED DECEMBER 15, 1936. Class 6.

343,839. RUST REMOVING COMPOUNDS, RUST PREVENTING CHEMICAL COMPOUNDS, AND HYDROCARBON SOLVENTS FOR USE IN CHEMICALS AND CHEMICAL COMPOUNDS. HUMBLE OIL & REFINING COMPANY, Houston, Tex.
Filed June 1, 1936. Serial No. 379,094. PUBLISHED DECEMBER 15, 1936. Class 6.

343,840. FOUNDATION GARMENTS AND GIRDLES. FRANCO CORSET COMPANY, New York, N. Y.
Filed June 3, 1936. Serial No. 379,239. PUBLISHED DECEMBER 29, 1936. Class 39.

343,841. IMITATION PHOTOGRAPHS. THE HURON PRESS, INC., Chicago, Ill.
Filed June 4, 1936. Serial No. 379,300. PUBLISHED DECEMBER 15, 1936. Class 38.

343,842. HOUSEHOLD CLEANER. MICHAEL FEINBERG, doing business as Feinberg Kosher Sausage Company, Minneapolis, Minn.
Filed June 5, 1936. Serial No. 379,339. PUBLISHED DECEMBER 22, 1936. Class 4.

343,843. VITAMINIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed June 5, 1936. Serial No. 379,358. PUBLISHED DECEMBER 29, 1936. Class 6.

343,844. WOMEN'S HOSIERY. THE ELDER & JOHNSTON CO., Dayton, Ohio.
Filed June 10, 1936. Serial No. 379,513. PUBLISHED DECEMBER 29, 1936. Class 39.

343,845. PREPARATIONS USEFUL AS AN AID TO CONVALESCENCE FROM ILLNESS, AS TONICS AND RECONSTITUENTS TO AID IN THE DEVELOPMENT OF CHILDREN, ETC. THE ULRICI MEDICINE COMPANY, INC., New York, N. Y.
Filed June 13, 1936. Serial No. 379,723. PUBLISHED DECEMBER 15, 1936. Class 6.

343,846. SAFETY RAZOR BLADES. COLTON RAZOR BLADE COMPANY, Boston, Mass.
Filed June 16, 1936. Serial No. 379,787. PUBLISHED DECEMBER 29, 1936. Class 23.

343,847. SALAD OIL. CARNATION COMPANY, Wilmington, Del., Milwaukee and Oconomowoc, Wis., and Seattle, Wash.
Filed June 18, 1936. Serial No. 379,875. PUBLISHED DECEMBER 29, 1936. Class 46.

343,848. ANTI-ACID PREPARATION. J. PELTIER, doing business as Bromo Sulline Drug Company, Atlanta, Ga.
Filed June 17, 1936. Serial No. 379,989. PUBLISHED DECEMBER 29, 1936. Class 6.

343,849. INCANDESCENT LAMPS OR BULBS USED IN PHOTOGRAPHY. WABASH APPLIANCE CORP., New York, N. Y.
Filed June 29, 1936. Serial No. 380,417. PUBLISHED DECEMBER 29, 1936. Class 26.

343,850. DOG FOOD. WHYTE FEED MILLS, doing business as horse-shoe Dog Food Co., Pine Bluff, Ark.
Filed June 29, 1936. Serial No. 380,428. PUBLISHED DECEMBER 29, 1936. Class 46.

343,851. PATE DE FOIES GRAS, GALANTINE OF GOOSE LIVER PASTE. FABRIQUE DE PATES DE FOIES GRAS EDOUARD ARTZNER, Strasbourg, France.
Filed June 30, 1936. Serial No. 380,446. PUBLISHED DECEMBER 29, 1936. Class 46.

343,852. SAFETY RAZOR. CHESTER A. GRATIOT, doing business as Krect-Shave Razor Company, Portland, Oreg.
Filed June 30, 1936. Serial No. 380,454. PUBLISHED DECEMBER 29, 1936. Class 23.

343,853. GOLDEN HAIR WASH, PEROXIDE OF HYDROGEN, GLYCOZONE, A GLYCERINE AND PEROXIDE PRODUCT, HYDROZONE, A HIGH VOLUME PEROXIDE OF HYDROXIDE, AND CASTILE SHAMPOO. THE CHARLES MARCHAND COMPANY, New York, N. Y.
Filed July 2, 1936. Serial No. 380,521. PUBLISHED DECEMBER 29, 1936. Class 6.

343,854. ELECTRIC DISHWASHING MACHINES. RALPH D. CAMPBELL, doing business as Campbell Manufacturing Company, Los Angeles, Calif.
Filed July 3, 1936. Serial No. 380,546. PUBLISHED DECEMBER 29, 1936. Class 23.

343,855. TARGET CARDS FOR SHORT RANGE SHOOTING. THE "5" SPOT SHORT RANGE GUN CLUBS OF AMERICA, Toledo, Ohio.
Filed July 6, 1936. Serial No. 380,628. PUBLISHED DECEMBER 8, 1936. Class 22.

343,856. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS, TO WIT: A BEAUTY PREPARATION USED IN A BATH. LEO HAAS, doing business as Hussan Products Co., New York, N. Y.
Filed July 7, 1936. Serial No. 380,709. PUBLISHED DECEMBER 15, 1936. Class 6.

343,857. SHOES MADE OF LEATHER. THE STACKS SHOE COMPANY, Cincinnati, Ohio.
Filed July 7, 1936. Serial No. 380,725. PUBLISHED DECEMBER 29, 1936. Class 39.

343,858. COSMETIC PREPARATIONS—NAMELY, LOTIONS AND CREAMS. SUNCLYME HOUSE, INC., Miami, Fla.
Filed July 7, 1936. Serial No. 380,726. PUBLISHED DECEMBER 15, 1936. Class 6.

343,859. TOILET SOAP. MORTON G. NEUMANN, doing business as Valnor Products Co., Chicago, Ill.
Filed July 8, 1936. Serial No. 380,786. PUBLISHED DECEMBER 22, 1936. Class 4.

343,860. BLANK PRINTING PLATES. RALPH L. GARNIER, Los Angeles, Calif.
Filed July 9, 1936. Serial No. 380,831. PUBLISHED DECEMBER 29, 1936. Class 14.

343,861. GLOVES AND GAUNTLETS MADE OF FABRICS AND COMBINATIONS OF FABRIC AND LEATHER. THE TOLEDO GLOVE MANUFACTURING COMPANY, Toledo, Ohio.
Filed July 10, 1936. Serial No. 380,892. PUBLISHED DECEMBER 22, 1936. Class 39.

343,862. MOTION PICTURE FILMS. ANDRÉ DE LA VARRE, New York, N. Y.
Filed July 13, 1936. Serial No. 380,947. PUBLISHED DECEMBER 29, 1936. Class 26.

343,863. READY-MIXED PAINTS, PAINT ENAMELS, AND VARNISHES. CON-FERRO PAINT & VARNISH COMPANY, St. Louis, Mo.
Filed July 14, 1936. Serial No. 380,986. PUBLISHED DECEMBER 15, 1936. Class 16.

343,864. MACHINE TOOLS—NAMELY, DRILL PRESSES, DRILLS, AND MORTISING ATTACHMENTS THEREFOR; CIRCULAR SAWS, JIG SAWS, BAND SAWS, ETC. WALKER-TURNER COMPANY, INC., Plainfield, N. J.
Filed July 14, 1936. Serial No. 381,010. PUBLISHED DECEMBER 29, 1936. Class 23.

343,865. OLEOMARGARINE. STANDARD NUT MARGARINE CO., Indianapolis, Ind.
Filed July 20, 1936. Serial No. 381,235. PUBLISHED DECEMBER 29, 1936. Class 46.

343,866. FABRIC LABELS. JACKMEYER LABEL CORPORATION, New York, N. Y.
Filed July 21, 1936. Serial No. 381,272. PUBLISHED DECEMBER 15, 1936. Class 38.

343,867. BOND PAPER AND WRITING PAPER. TOBEY-FINE PAPERS, INC., St. Louis, Mo.
Filed July 25, 1936. Serial No. 381,470. PUBLISHED DECEMBER 29, 1936. Class 37.

343,868. PREPARATIONS OF COD LIVER OIL FOR VETERINARY PURPOSES AND PREPARATIONS OF COD LIVER OIL FOR USE IN MEDICINE AND PHARMACY. BRITISH COD LIVER OIL PRODUCERS (HULL) LIMITED, Hull, England.
Filed July 28, 1936. Serial No. 381,524. PUBLISHED DECEMBER 22, 1936. Class 6.

343,869. FACE PACK. ALEXANDER R. J. HILSON, Hamilton, Ontario, Canada, and Niagara Falls, N. Y.
Filed July 30, 1936. Serial No. 381,618. PUBLISHED DECEMBER 29, 1936. Class 6.

343,870. MEDICATED PREPARATION CONTAINING A CONCENTRATED EXTRACT OF OYSTERS. THYRODONE DEVELOPMENT LIMITED, Invercargill, New Zealand.
Filed August 1, 1936. Serial No. 381,736. PUBLISHED DECEMBER 29, 1936. Class 6.

343,871. MEN'S, WOMEN'S, AND CHILDREN'S COATS. A. DAVIS & SONS, INC., New York, N. Y.
Filed August 3, 1936. Serial No. 381,757. PUBLISHED DECEMBER 22, 1936. Class 39.

343,872. COCOANUT OIL SHAMPOO, ALMOND BEAUTY LOTION, LEMON CLEANSING CREAM, VANISHING CREAM, HAIR DRESSING AND GROWER, PERFUME, SKIN BLEACH, AND BODY DEODORIZER. ABBE WALLACE PRODUCTS COMPANY, Atlanta, Ga.
Filed August 4, 1936. Serial No. 381,795. PUBLISHED DECEMBER 29, 1936. Class 6.

343,873. MEDICINAL PREPARATIONS FOR THE TREATMENT OF HEADACHE, HEAD COLDS, TOOTHACHE, NEURALGIA, AND PERIODIC PAINS. ABRAHAM MILTON ROSENTHAL, doing business as Sadin Company, Richmond, Va.
Filed August 5, 1936. Serial No. 381,850. PUBLISHED DECEMBER 15, 1936. Class 6.

343,874. CRACKERS. BURRY BISCUIT CORPORATION, Linden, N. J.
Filed August 10, 1936. Serial No. 381,967. PUBLISHED DECEMBER 29, 1936. Class 46.

343,875. CHEMICAL PREPARATION FOR THE REMOVAL OF CORNS AND CALLUSES. LOUIS L. FISHER, doing business as Smooth Foot Co., Los Angeles, Calif.
Filed August 10, 1936. Serial No. 381,981. PUBLISHED DECEMBER 15, 1936. Class 6.

343,876. OINTMENTS AND LOTIONS FOR USE IN THE TREATMENT OF ACNE, ECZEMA, ERYTHEMA, HERPES, IMPETIGO, IVY POISONING, AND OTHER FORMS OF DERMATITIS AND ALSO AS A RELIEVING AGENT IN THE TREATMENT OF CHICKEN POX, MEASLES, AND SCARLET FEVER. LLOYD O. PERRY, doing business as Perry Laboratories, Detroit, Mich.
Filed August 11, 1936. Serial No. 382,019. PUBLISHED DECEMBER 15, 1936. Class 6.

343,877. WRITING PAPER, ENVELOPES, WRAPPING PAPER, DRAWING PAPER, PENCILS, PENS, BLOTTERS, PENCIL HOLDERS, PEN HOLDERS, BOOK COVERS, IDENTIFICATION BLANKS AND FORMS. AMERICAN AUTOMOBILE ASSOCIATION, INCORPORATED, Washington, D. C.
Filed August 10, 1936. Serial No. 382,023. PUBLISHED DECEMBER 29, 1936. Class 37.

343,878. NEWSPAPER ARTICLES. CHRISTY WALSH, doing business as The Christy Walsh Syndicate, New York, N. Y.
Filed August 12, 1936. Serial No. 382,080. PUBLISHED DECEMBER 22, 1936. Class 38.

343,879. SPRAYING LIQUID TO AID IN BETTER PRINTING AND LITHOGRAPHING AND TO PREVENT OFFSET IN PRINTING AND LITHOGRAPHING. CLEANPRINT, INCORPORATED, New York, N. Y.
Filed August 12, 1936. Serial No. 382,087. PUBLISHED DECEMBER 29, 1936. Class 6.

343,880. CONCENTRATED VITAMIN PREPARATION TO BE ADDED TO FOODS FOR DOGS AND OTHER CARNIVOROUS ANIMALS. NUTRITIONAL RESEARCH ASSOCIATES, INC., South Whitley and Fort Wayne, Ind.
Filed August 12, 1936. Serial No. 382,102. PUBLISHED DECEMBER 15, 1936. Class 6.

343,881. COLUMN IN A NEWSPAPER. AMERICAN NEWSPAPERS, INC., Washington, D. C.
Filed August 13, 1936. Serial No. 382,108. PUBLISHED DECEMBER 22, 1936. Class 38.

343,882. CORSETS, BRASSIÈRES, GIRDLES, COMBINATIONS CONSISTING OF CORSETS AND A BRASSIÈRE, FOUNDATION GARMENTS, SLIPS, NIGHTGOWNS, PAJAMAS, PANTIES, AND CHEMISES. BLAUNER'S, Philadelphia, Pa.
Filed August 13, 1936. Serial No. 382,111. PUBLISHED DECEMBER 22, 1936. Class 39.

343,883. MEDICINAL PREPARATION FOR HYPODERMIC USE IN NON-SPECIFIC PROTEIN THERAPY FOR THE TREATMENT OF SUPPURATIVE CONDITIONS, FURUNCULOSIS, CARBUNCLES, CHRONIC ABSCESSES, AND ULCERS, SEPSIS, PHLEGMON, GONORRHEA AND ITS COMPLICATIONS, ACNE, AND KINDRED CONDITIONS. PITMAN-MOORE COMPANY, Indianapolis, Ind.
Filed August 14, 1936. Serial No. 382,168. PUBLISHED DECEMBER 15, 1936. Class 6.

343,884. MEDICINAL PREPARATION FOR HYPODERMIC USE IN NON-SPECIFIC PROTEIN THERAPY FOR THE TREATMENT OF CHRONIC OR PURULENT INFECTIONS, GONORRHEA AND ITS COMPLICATIONS, ARTHRITIS, INFLAMMATIONS OF THE EYE, DEEP-SEATED ABSCESSES, AND KINDRED CONDITIONS. PITMAN-MOORE COMPANY, Indianapolis, Ind.
Filed August 14, 1936. Serial No. 382,170. PUBLISHED DECEMBER 15, 1936. Class 6.

343,885. MEDICINAL TABLET FOR USE IN HYPERTENSION, ANGINA AND OTHER MANIFESTATIONS OF CARDIAC PAIN WHERE STIMULANT ACTION ON THE HEART AND INCREASED ELIMINATION THROUGH DIURESIS IS DESIRED, AND FOR EXERTING ALTERATIVE AND SEDATIVE ACTIONS. PITMAN-MOORE COMPANY, Indianapolis, Ind.
Filed August 14, 1936. Serial No. 382,174. PUBLISHED DECEMBER 15, 1936. Class 6.

343,886. MERCERIZED SHOE LACES. LAING, HARRAR & CHAMBERLIN, INC., Philadelphia, Pa.
Filed August 12, 1936. Serial No. 382,189. PUBLISHED DECEMBER 29, 1936. Class 40.

343,887. MEN'S, YOUNG MEN'S, BOYS', AND CHILDREN'S WEARING APPAREL—NAMELY, SUITS, COATS, VESTS, TROUSERS, KNICKERS, FULL DRESS SUITS, ETC. SCHLOSS BROS. & CO., INC., Baltimore, Md.
Filed August 17, 1936. Serial No. 382,283. PUBLISHED DECEMBER 22, 1936. Class 39.

343,888. MEN'S, YOUNG MEN'S, BOYS', AND CHILDREN'S WEARING APPAREL—NAMELY, SUITS, COATS, VESTS, TROUSERS, KNICKERS, FULL DRESS SUITS, TUXEDOS, ETC. SCHLOSS BROS. & CO., INC., Baltimore, Md.
Filed August 17, 1936. Serial No. 382,285. PUBLISHED DECEMBER 22, 1936. Class 39.

343,889. MEN'S, YOUNG MEN'S, BOYS', AND CHILDREN'S WEARING APPAREL—NAMELY, SUITS, COATS, VESTS, TROUSERS, KNICKERS, FULL DRESS SUITS, TUXEDOS, ETC. SCHLOSS BROS. & CO., INC., Baltimore, Md.
Filed August 17, 1936. Serial No. 382,286. PUBLISHED DECEMBER 22, 1936. Class 39.

343,890. EGGS. HALLIE ROSINE DOORLY, Saugerties Township, N. Y.
Filed August 20, 1936. Serial No. 382,381. PUBLISHED DECEMBER 29, 1936. Class 46.

343,891. KNITTING PINS, KNITTING STITCH HOLDERS, CROCHET HOOKS, KNITTING PIN CAPS OR PROTECTORS, ALL BEING GOODS OF ORDINARY METAL AND INTENDED FOR HAND USE. ABEL MORRALL LIMITED, Redditch, England.
Filed August 20, 1936. Serial No. 382,390. PUBLISHED DECEMBER 29, 1936. Class 40.

343,892. ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, BLEACH CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. MARK W. ALLEN & CO., Detroit, Mich.
Filed August 21, 1936. Serial No. 382,415. PUBLISHED DECEMBER 15, 1936. Class 6.

343,893. EYE MEDICINES. NELLE K. WINO, doing business as De Pew Chemical Company, Kansas City, Mo.
Filed August 21, 1936. Serial No. 382,456. PUBLISHED DECEMBER 22, 1936. Class 6.

343,894. TOPICAL APPLICATION IN THE TREATMENT OF VARIOUS SKIN INFECTIONS SUCH AS ECZEMA, PRURITIS, AND EPIDERMOPHYTOSIS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed August 24, 1936. Serial No. 382,519. PUBLISHED DECEMBER 29, 1936. Class 6.

343,895. COUGH MIXTURE. E. L. HARRIS AND SON COMPANY, St. Louis, Mo.
Filed August 25, 1936. Serial No. 382,557. PUBLISHED DECEMBER 15, 1936. Class 6.

343,896. HERB TEA FOR INTERNAL USE AS AN ALTERATIVE AND LAXATIVE. REINHARD REIN, New York, N. Y.
Filed August 25, 1936. Serial No. 382,570. PUBLISHED DECEMBER 15, 1936. Class 6.

343,897. ANTI-PERSPIRANT, LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, PREPARATIONS FOR SKIN, HAIR, AND FINGER NAILS, AND PERFUMES. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill.
Filed August 28, 1936. Serial No. 382,653. PUBLISHED DECEMBER 29, 1936. Class 6.

343,898. PREPARATION FOR USE AS A LAXATIVE DRUG AND BITTER APPETIZER. HARRY SCHREIBER, New York, N. Y.
Filed August 26, 1936. Serial No. 382,700. PUBLISHED DECEMBER 15, 1936. Class 6.

343,899. HOT CHOCOLATE DRINK MIXING AND DISPENSING MACHINE ELECTRICALLY OPERATED. SIREN MILLS CORPORATION, Chicago, Ill.
Filed August 31, 1936. Serial No. 382,774. PUBLISHED DECEMBER 29, 1936. Class 21.

343,900. WINES. BERINGER BROS., INC., St. Helena, Calif.
Filed September 1, 1936. Serial No. 382,786. PUBLISHED DECEMBER 29, 1936. Class 47.

343,901. PERFUMES, PERFUMED SACHETS, AND PERFUMED DUSTING POWDERS. HARRIETTE HESSIN, Hollywood, Calif.
Filed September 1, 1936. Serial No. 382,795. PUBLISHED DECEMBER 15, 1936. Class 6.

343,902. LEATHER BOOTS AND LEATHER SHOES. H. J. JUSTIN & SONS, INCORPORATED, Fort Worth, Tex.
Filed September 1, 1936. Serial No. 382,797. PUBLISHED DECEMBER 29, 1936. Class 39.

343,903. MEN'S OUTER SHIRTS, MEN'S TROUSERS, MEN'S UNDERWEAR, WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR, SLIPS, NIGHTGOWNS, ETC. ALBERT MITCHELL, New York, N. Y.
Filed September 1, 1936. Serial No. 382,801. PUBLISHED DECEMBER 29, 1936. Class 39.

343,904. MEN'S, YOUNG MEN'S, BOYS', AND CHILDREN'S WEARING APPAREL—NAMELY, SUITS, COATS, VESTS, TROUSERS, KNICKERS, FULL DRESS SUITS, TUXEDOS, ETC. SCHLOSS BROS. & CO., INC., Baltimore, Md.
Filed September 1, 1936. Serial No. 382,808. PUBLISHED DECEMBER 22, 1936. Class 39.

343,905. INSECTICIDES. ALFREDO CORDERO, New York, N. Y., and Ponce, P. R.
Filed September 3, 1936. Serial No. 382,865. PUBLISHED DECEMBER 29, 1936. Class 6.

343,906. WHISKIES. SUNSET DISTILLING COMPANY, Chicago, Ill.
Filed September 3, 1936. Serial No. 382,895. PUBLISHED DECEMBER 29, 1936. Class 49.

343,907. LAUNDRY WASHING MACHINES. AUTOMATIC WASHER COMPANY, Newton, Iowa.
Filed September 4, 1936. Serial No. 382,902. PUBLISHED DECEMBER 29, 1936. Class 24.

343,908. PAJAMAS, BEACH AND LOUNGING ROBES, AND SLACKS. THE EASTERN ISLES IMPORTING CO., INC., New York, N. Y.
Filed September 4, 1936. Serial No. 382,911. PUBLISHED DECEMBER 29, 1936. Class 39.

343,909. MEDICINAL PREPARATION FOR THE RELIEF OF PAIN. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed September 5, 1936. Serial No. 382,970. PUBLISHED DECEMBER 15, 1936. Class 6.

343,910. BIRD HOUSES. WILLIAM T. GRAFF, JR., doing business as Park Bird House Co., White Plains, N. Y.
Filed September 5, 1936. Serial No. 382,976. PUBLISHED DECEMBER 29, 1936. Class 50.

343,911. PLANT HORMONES FOR HORTICULTURAL USE. LYMAN CHALKLEY, doing business as Photoy Products, Bay Shore, N. Y.
Filed September 1, 1936. Serial No. 382,982. PUBLISHED DECEMBER 29, 1936. Class 6.

343,912. CHEMICALS FOR USE IN PLANOGRAPHIC PRINTING. ADDRESSOGRAPH-MULTIGRAPH CORPORATION, Euclid Village, Cleveland, Ohio.
Filed September 8, 1936. Serial No. 382,997. PUBLISHED DECEMBER 15, 1936. Class 6.

343,913. NAIL LACQUER PUT UP IN APPLICATORS. CARL C. HOFFMAN, INC., St. Louis, Mo.
Filed September 8, 1936. Serial No. 383,016. PUBLISHED DECEMBER 15, 1936. Class 6.

343,914. MAGAZINE. GARDNER PUBLICATIONS, INC., Cincinnati, Ohio.
Filed September 10, 1936. Serial No. 383,091. PUBLISHED DECEMBER 15, 1936. Class 38.

343,915. PROCESSED BLUE MARBLE. VERMONT MARBLE COMPANY, Proctor, Vt.
Filed September 11, 1936. Serial No. 383,149. PUBLISHED DECEMBER 29, 1936. Class 1.

343,916. PROCESSED GRAY MARBLE. VERMONT MARBLE COMPANY, Proctor, Vt.
Filed September 11, 1936. Serial No. 383,150. PUBLISHED DECEMBER 29, 1936. Class 1.

343,917. PREPARATION USED IN MAKING PERMANENT WAVES IN HAIR. BURTON SKILES, doing business as Skiles Hair Styles, Long Beach, Calif.
Filed September 14, 1936. Serial No. 383,235. PUBLISHED DECEMBER 15, 1936. Class 6.

343,918. CIGARETTES. A. & M. WIX, London, England.
Filed September 14, 1936. Serial No. 383,245. PUBLISHED DECEMBER 29, 1936. Class 17.

343,919. GLOVES FOR LADIES, CHILDREN, AND MEN, MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. BACMO POSTMAN CORPORATION, New York, N. Y.
Filed September 15, 1936. Serial No. 383,249. PUBLISHED DECEMBER 29, 1936. Class 39.

343,920. TOOTH SALVES FOR THE RELIEF OF SORENESS AND IRRITATION TO THE GUMS. LITSA GEORGE CALLAS, doing business as Trench-Sol Tooth Salve Company, New York, N. Y.
Filed September 15, 1936. Serial No. 383,255. PUBLISHED DECEMBER 29, 1936. Class 6.

343,921. LIQUID MEDICINAL PREPARATION RECOMMENDED FOR USE IN TREATING IVY POISONING AND FUNGUS DISEASES OF THE SKIN. NICHOLAS HYMA, doing business as The Hyma Chemical Laboratories, Buckhannon, W. Va.
Filed September 16, 1936. Serial No. 383,310. PUBLISHED DECEMBER 15, 1936. Class 6.

343,922. MEDICINE FOR TREATMENT OF GOITRE, ROYCE A. THOMPSON, doing business as Royce A. Thompson Co., Santa Monica, Calif.
Filed September 16, 1936. Serial No. 383,332. PUBLISHED DECEMBER 15, 1936. Class 6.

343,923. HIGHLY CONCENTRATED SULPHONATED TALLOW FOR USE AS A FOAM KILLER AND AS A SOFTENER AND FINISHER IN TEXTILE MANUFACTURING. PAPER MAKERS CHEMICAL CORPORATION, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware.
Filed September 17, 1936. Serial No. 383,369. PUBLISHED DECEMBER 15, 1936. Class 6.

343,924. SULPHONATED CASTOR OIL. PAPER MAKERS CHEMICAL CORPORATION, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware.
Filed September 17, 1936. Serial No. 383,374. PUBLISHED DECEMBER 15, 1936. Class 6.

343,925. GAS, COAL, WOOD, ELECTRIC, AND KEROSENE STOVES, HEATERS, AND HEATING CIRCULATORS. GAMBLE STORES, INCORPORATED, Minneapolis, Minn.
Filed September 18, 1936. Serial No. 383,391. PUBLISHED DECEMBER 29, 1936. Class 34.

343,926. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. PARFUMERIE ST. DENIS, New York, N. Y.
Filed September 18, 1936. Serial No. 383,403. PUBLISHED DECEMBER 29, 1936. Class 6.

343,927. PERFUME, TOILET WATER, EAU DE COLOGNE, FACE CREAM, FOUNDATION CREAM, TISSUE CREAM, COLD CREAM, CLEANSING CREAM, ROUGE, FACE LOTION, ETC. HOUSE OF FAIRFAX, Los Angeles, Calif.
Filed September 19, 1936. Serial No. 383,433. PUBLISHED DECEMBER 15, 1936. Class 6.

343,928. WOMEN'S, MISSES' AND CHILDREN'S GOWNS, DRESSES, SUITS, WRAPS, CLOAKS, AND COATS. AL BENJAMIN & BRO. INC., New York, N. Y.
Filed September 21, 1936. Serial No. 383,460. PUBLISHED DECEMBER 29, 1936. Class 39.

343,929. COMBINED TELEPHONE CHRONOMETER AND DESK PAD STANDS. MCCOY SERVICE, INC., New York, N. Y.
Filed September 19, 1936. Serial No. 383,439. PUBLISHED DECEMBER 29, 1936. Class 26.

343,930. SERIES OF BOOKS AND PAMPHLETS. THE BELL SYNDICATE, INC., New York, N. Y.
Filed September 21, 1936. Serial No. 383,461. PUBLISHED DECEMBER 22, 1936. Class 38.

343,931. MICROPHONES. WILLIAM A. BRUNO, New York, N. Y.
Filed September 21, 1936. Serial No. 383,467. PUBLISHED DECEMBER 29, 1936. Class 21.

343,932. MEDICATED CORN PADS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed September 21, 1936. Serial No. 383,488. PUBLISHED DECEMBER 15, 1936. Class 6.

343,933. SHAVING SOAP, TOILET SOAP, GLYCERINE SOAP, BATH SOAP, CREAM SOAP, LIQUID GLYCERINE SOAP, SILVER CLEANING SOAP, SHAVING STICK. LES PARFUMS CHYPRON SOCIETE ANONYME, Courbevoie/Seine, France.
Filed September 23, 1936. Serial No. 383,537. PUBLISHED DECEMBER 22, 1936. Class 4.

343,934. ATTACHMENT CONSISTING OF A MAGNIFYING LENS CONTAINED IN A METAL FRAME TO BE USED AS A MAGNIFYING LINE FINDER BY ATTACHING SAME TO THE LINE FINDER OF COPYHOLDERS BY MEANS OF SPRING CLIPS FASTENED ON TO THE BACK OF THE FRAME HOLDING THE MAGNIFYING LENS. HENRY S. THOMSON, New York, N. Y.
Filed September 23, 1936. Serial No. 383,551. PUBLISHED DECEMBER 29, 1936. Class 26.

343,935. NON-CURLING FLINT GLAZED PAPERS, FAST-TO-LIGHT NON-CURLING FLINT GLAZED PAPERS, DUPLEX PAPERS, ETC. WYOMISSING GLAZED PAPER COMPANY, West Reading, Pa.
Filed September 23, 1936. Serial No. 383,560. PUBLISHED DECEMBER 29, 1936. Class 37.

343,936. ASTROLOGICAL CHART. WARREN P. GOSHORN, doing business as The Voice of Astrology, Kansas City, Mo.
Filed September 24, 1936. Serial No. 383,575. PUBLISHED DECEMBER 15, 1936. Class 38.

343,937. MEDICINES FOR DOGS AND PUPPIES FOR USE AS A LAXATIVE, STIMULANT TO THE KIDNEYS, INTESTINAL ASTRINGENT, AND A NERVE SEDATIVE. GEORGE ROMERO, doing business as Jacky Dog Remedies Co., New York, N. Y.
Filed September 24, 1936. Serial No. 383,600. PUBLISHED DECEMBER 22, 1936. Class 6.

343,938. FACE POWDER AND SKIN CREAM. TOKALON CHEMICAL CORPORATION, New York, N. Y.
Filed September 24, 1936. Serial No. 383,605. PUBLISHED DECEMBER 29, 1936. Class 6.

343,939. OINTMENT FOR THE RELIEF OF COLDS, NEURALGIA, SORE THROAT, CONGESTION, AND THE LIKE. HALE'S PREPARATIONS COMPANY, INC., Clifton, N. J.
Filed September 25, 1936. Serial No. 383,620. PUBLISHED DECEMBER 22, 1936. Class 6.

343,940. EFFERVESCENT SALTS AND EFFERVESCENT TABLETS WHICH, WHEN DISSOLVED AS DIRECTED, ARE TAKEN INTERNALLY AS A SYSTEMIC ALKALIZER, ANTACID, DIURETIC, AND A MINERAL WATER. SUN RAY DRUG CO., doing business as Drake Laboratories, Philadelphia, Pa.
Filed September 25, 1936. Serial No. 383,655. PUBLISHED DECEMBER 29, 1936. Class 6.

343,941. MEDICINAL PREPARATION FOR THE RELIEF OF PAIN FROM HEADACHES, NEURALGIA, AND INORGANIC CAUSES. THE AKALYN COMPANY, New Orleans, La.
Filed September 28, 1936. Serial No. 383,707. PUBLISHED DECEMBER 29, 1936. Class 6.

343,942. MEDICINAL PREPARATION FOR THE RELIEF OF PAIN FROM HEADACHES, NEURALGIA, AND INORGANIC CAUSES. THE AKALYN COMPANY, New Orleans, La.
Filed September 28, 1936. Serial No. 383,708. PUBLISHED DECEMBER 15, 1936. Class 6.

343,943. METAL CLEANING AND POLISHING PREPARATIONS. CECIL V. DICKSON, doing business as Cosmic Products Company, Oakland, Calif.
Filed September 28, 1936. Serial No. 383,725. PUBLISHED DECEMBER 22, 1936. Class 4.

343,944. PREPARATION FOR VETERINARY USE IN THE TREATMENT OF INTESTINAL IRRITATIONS AND INFLAMMATION AND DISTURBANCES IN THE DIGESTIVE TRACT. D. FUNSTON COMPANY, Chicago, Ill.
Filed September 28, 1936. Serial No. 383,730. PUBLISHED DECEMBER 29, 1936. Class 6.

343,945. SWEATER JACKETS AND COATS MADE FROM CLOTH OR KNITTED MATERIAL FOR MEN, WOMEN, AND CHILDREN. JERSILD KNITTING COMPANY, Neenah, Wis.
Filed September 28, 1936. Serial No. 383,741. PUBLISHED DECEMBER 29, 1936. Class 39.

343,946. LIQUID COLLOIDAL SUSPENSION FOR THE TREATMENT OF INTESTINAL DISEASES. PITMAN-MOORE COMPANY, Indianapolis, Ind.
Filed September 29, 1936. Serial No. 383,780. PUBLISHED DECEMBER 15, 1936. Class 6.

343,947. SHOE AND LEATHER DRESSINGS. ALLIED KID COMPANY, Boston, Mass.
Filed September 30, 1936. Serial No. 383,796. PUBLISHED DECEMBER 22, 1936. Class 4.

343,948. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. THE JUVENILE SHOE CORPORATION OF AMERICA, Aurora and St. Louis, Mo.
Filed September 30, 1936. Serial No. 383,809. PUBLISHED DECEMBER 22, 1936. Class 39.

343,949. MAGAZINE PUBLICATION. WERTHER FRIEDMAN, New York, N. Y.
Filed September 30, 1936. Serial No. 383,833. PUBLISHED DECEMBER 15, 1936. Class 38.

343,950. FRUIT JUICES FOR FOOD PURPOSES. THE POLK COMPANY, Haines, Fla.
Filed October 1, 1936. Serial No. 383,851. PUBLISHED DECEMBER 29, 1936. Class 46.

343,951. DEVICE ATTACHED TO THE LAMP SOCKETS OF CHRISTMAS TREE LIGHTING OUTFITS TO FASTEN THE OUTFITS TO THE BRANCHES OF THE TREE. RAYLITE TRADING CO., INC., New York, N. Y.
Filed October 1, 1936. Serial No. 383,852. PUBLISHED DECEMBER 29, 1936. Class 13.

343,952. ELECTRICAL HEARING DEVICE AND PARTS THEREOF. WILLIAM J. SULLIVAN, doing business as National Electrical Research and Manufacturing Company, Washington, D. C.
Filed October 1, 1936. Serial No. 383,855. PUBLISHED DECEMBER 29, 1936. Class 44.

343,953. GLASS GLOBES FOR LANTERNS. R. E. DIETZ COMPANY, New York, N. Y.
Filed October 2, 1936. Serial No. 383,877. PUBLISHED DECEMBER 29, 1936. Class 34.

343,954. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. HAROLD D. FARBER, Binghamton, N. Y.
Filed October 2, 1936. Serial No. 383,880. PUBLISHED DECEMBER 22, 1936. Class 6.

343,955. EDUCATIONAL WORD FORMING PUBLICATIONS FOR USE IN NEWSPAPERS, PERIODICALS, AND BOOKS, AND IN THE FORM OF PADS AND LOOSE SHEETS. ROBERT W. SWAN, JR., Rockaway Beach, N. Y.
Filed October 2, 1936. Serial No. 383,901. PUBLISHED DECEMBER 8, 1936. Class 38.

343,956. PERIODICAL. AUTOMOBILE CLUB OF MICHIGAN, Detroit, Mich.
Filed October 3, 1936. Serial No. 383,909. PUBLISHED DECEMBER 8, 1936. Class 38.

343,957. CLEANSING COMPOSITION IN LIQUID FORM ADDED AS AN AID TO AQUEOUS CLEANSING COMPOSITIONS USED IN LAUNDRIES. JACOB L. BAROWSKY, doing business as Adell Chemical Company, Holyoke, Mass.
Filed October 3, 1936. Serial No. 383,910. PUBLISHED DECEMBER 22, 1936. Class 4.

343,958. MEN'S AND WOMEN'S WEARING APPAREL—NAMELY, MEN'S DRESS, WORK, AND NEGLIGEE SHIRTS, NECKTIES, SCARFS, COLLARS, PAJAMAS, UNDERSHIRTS, SHORTS, HOSIERY, ETC. FREEM'S LTD., New York, N. Y.
Filed October 3, 1936. Serial No. 383,923. PUBLISHED DECEMBER 22, 1936. Class 39.

343,959. COAL. RAYMOND H. BELL, SR., doing business as Modern Fuel Company, Columbus, Ohio.
Filed October 5, 1936. Serial No. 383,977. PUBLISHED DECEMBER 29, 1936. Class 1.

343,960. RADIO RECEIVING SETS AND PARTS THEREOF. J. M. BREGSTONE, Chicago, Ill.
Filed October 5, 1936. Serial No. 383,979. PUBLISHED DECEMBER 29, 1936. Class 21.

343,961. DRAIN PIPE FLUSH. ENOZ CHEMICAL COMPANY, Chicago, Ill.
Filed October 5, 1936. Serial No. 383,992. PUBLISHED DECEMBER 22, 1936. Class 6.

343,962. WINE. EUROPEAN WINE EXPORTERS & GROWERS AGENCIES, INC., New York, N. Y.
Filed October 5, 1936. Serial No. 383,994. PUBLISHED DECEMBER 29, 1936. Class 47.

343,963. ROLLING MASSAGE CREAM. THE POMPEIAN COMPANY, INC., Bloomfield, N. J.
Filed October 5, 1936. Serial No. 384,010. PUBLISHED DECEMBER 22, 1936. Class 6.

343,964. WATERPROOFED FABRICS. THE SCHWARZWAELDER CO., Philadelphia, Pa.
Filed October 5, 1936. Serial No. 384,015. PUBLISHED DECEMBER 29, 1936. Class 50.

343,965. WHISKY. JAMES BUCHANAN & COMPANY LIMITED, London, England.
Filed October 6, 1936. Serial No. 384,026. PUBLISHED DECEMBER 29, 1936. Class 49.

343,966. CHILDREN'S SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF THOSE MATERIALS. ST. JAMES REALTY & DEPARTMENT STORE COMPANY, doing business as Cohen Bros., Jacksonville, Fla.
Filed October 6, 1936. Serial No. 384,051. PUBLISHED DECEMBER 22, 1936. Class 39.

343,967. HERB PREPARATION FOR TREATMENT OF GASTRIC DISTURBANCES. CONSTANTINE N. SALIS, doing business as Salis-Pit Co., Detroit, Mich.
Filed October 6, 1936. Serial No. 384,052. PUBLISHED DECEMBER 22, 1936. Class 6.

343,968. SHOES MADE OF LEATHER, RUBBER, FABRIC, AND/OR A COMBINATION OF THESE MATERIALS. THE UNITED STATES SHOE CORPORATION, Cincinnati, Ohio.
Filed October 6, 1936. Serial No. 384,060. PUBLISHED DECEMBER 22, 1936. Class 39.

343,969. MEDICINAL SYRUP CONTAINING AMMONIUM MANDELATE USED AS A URINARY ANTISEPTIC. ABBOTT LABORATORIES, North Chicago, Ill.
Filed October 7, 1936. Serial No. 384,070. PUBLISHED DECEMBER 22, 1936. Class 6.

343,970. TOOTH PASTE. DENTOS DENTIFRICE COMPANY, Chicago, Ill.
Filed October 7, 1936. Serial No. 384,073. PUBLISHED DECEMBER 29, 1936. Class 6.

343,971. WAXED PAPER. THE HAMERSLEY MANUFACTURING COMPANY, Garfield, N. J.
Filed October 7, 1936. Serial No. 384,107. PUBLISHED DECEMBER 29, 1936. Class 37.

343,972. PERMANENT WAVE ADMIXTURES. SALES ASSOCIATES, LTD., Los Angeles, Calif.
Filed October 8, 1936. Serial No. 384,137. PUBLISHED DECEMBER 22, 1936. Class 6.

343,973. SPRING ASSEMBLIES AND INNER SPRINGS FOR CUSHIONS, MATTRESSES, AND UPHOLSTERY. LISSON-MELEN COMPANY, Lynn, Mass.
Filed October 9, 1936. Serial No. 384,160. PUBLISHED DECEMBER 29, 1936. Class 32.

343,974. MONTHLY PUBLICATION. SUNSET OIL COMPANY, Los Angeles, Calif.
Filed October 9, 1936. Serial No. 384,167. PUBLISHED DECEMBER 15, 1936. Class 38.

343,975. MEDICAL PREPARATION RECOMMENDED IN RELIEVING FERMENTATIVE CONDITIONS AND GASTRIC IRRITABILITY, ATONIC DYSPEPSIA, CHRONIC GASTRO-INTESTINAL DISEASES, AND TO ALLAY NAUSEA AND VOMITING. THE WARREN-TEED PRODUCTS COMPANY, Columbus, Ohio.
Filed October 9, 1936. Serial No. 384,172. PUBLISHED DECEMBER 29, 1936. Class 6.

343,976. MONTHLY MAGAZINE. AMERICAN ACCEPTANCE COUNCIL, New York, N. Y.
Filed October 8, 1936. Serial No. 384,178. PUBLISHED DECEMBER 8, 1936. Class 38.

343,977. FACE POWDER. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed October 10, 1936. Serial No. 384,195. PUBLISHED DECEMBER 15, 1936. Class 6.

343,978. CHEMICALLY TREATED BENTONITE, ADAPTED FOR USE AS A DECOLORIZING, FILTERING, PURIFYING, AND ADSORBING MEDIUM. FILTROL CORPORATION, Los Angeles, Calif.
Filed October 10, 1936. Serial No. 384,205. PUBLISHED DECEMBER 15, 1936. Class 6.

343,979. LEATHER. WILLARD HELBURN, INC., Boston, Mass.
Filed October 10, 1936. Serial No. 384,210. PUBLISHED DECEMBER 29, 1936. Class 1.

343,980. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, BRILLIANTINE, BANDOLINE, ROUGE, LIPSTICKS, DUSTING POWDER, SACHET, COLD CREAMS, LOTION FOR THE SKIN AND HAIR, POWDER, AND ROUGE COMPACTS, AND EAU VEGETAL. HOUBIGANT, INC., New York, N. Y.
Filed October 10, 1936. Serial No. 384,213. PUBLISHED DECEMBER 15, 1936. Class 6.

343,981. FLARES BURNING LIQUID FUEL. EMBURY MANUFACTURING COMPANY, Warsaw, N. Y.
Filed October 12, 1936. Serial No. 384,249. PUBLISHED DECEMBER 29, 1936. Class 34.

343,982. MEDICAL PREPARATION TO BE TAKEN ORALLY AND USED IN THE TREATMENT OF COLONIC AND HYPERTENSION CASES. H. M. CHEMICAL CO., LTD., Los Angeles, Calif.
Filed October 12, 1936. Serial No. 384,253. PUBLISHED DECEMBER 29, 1936. Class 6.

343,983. SELF-RISING PANCAKE AND WAFFLE FLOUR, AND SELF-RISING BUCKWHEAT AND WHEAT PANCAKE FLOUR. THE COBLESKILL MILLING CO. INC., Cobleskill, N. Y.
Filed October 13, 1936. Serial No. 384,283. PUBLISHED DECEMBER 29, 1936. Class 46.

343,984. WOMEN'S AND MISSES' BATH ROBES, NEGLIGEES, CORSETS, DRESSES, AND UNDERWEAR, COATS, AND SUITS. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa.
Filed October 13, 1936. Serial No. 384,300. PUBLISHED DECEMBER 29, 1936. Class 39.

343,985. SKIN AND HAIR CONDITIONER FOR DOGS, AN ANTI-PARASITIC, AN ANTISEPTIC, A FUNGICIDE, AND A DEODORANT PARTICULARLY FOR DOGS AND OTHER ANIMALS. THE ALLEN COMPANY, doing business as Quadine Laboratories, Toledo, Ohio.
Filed October 14, 1936. Serial No. 384,310. PUBLISHED DECEMBER 29, 1936. Class 6.

343,986. FIRE HOSE. AMERICAN FIRE HOSE COMPANY, Philadelphia, Pa.
Filed October 14, 1936. Serial No. 384,312. PUBLISHED DECEMBER 29, 1936. Class 35.

343,987. BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF FOR MEN, WOMEN, AND CHILDREN. GENERAL SHOE CORPORATION, Nashville, Tenn.
Filed October 14, 1936. Serial No. 384,326. PUBLISHED DECEMBER 29, 1936. Class 39.

343,988. MEDICINAL PREPARATION FOR THE RELIEF OF COUGHS DUE TO COLDS AND FOR MINOR BRONCHIAL IRRITATIONS. S. PFEIFFER MANUFACTURING COMPANY, doing business as Virginia Chemical Co., St. Louis, Mo.
Filed October 14, 1936. Serial No. 384,333. PUBLISHED DECEMBER 15, 1936. Class 6.

343,989. MOULDED PULP CONTAINERS AND BOTTLES FOR AQUEOUS AND NON-AQUEOUS LIQUIDS, DRY MATERIALS, PULVERULENT MATERIALS, AND PLASTIC AND SEMI-SOLID MATERIALS, AND PROTECTORS FOR GLASS BOTTLES AND OTHER CONTAINERS. PULP PRODUCTS COMPANY, INC., New York, N. Y.
Filed October 14, 1936. Serial No. 384,335. PUBLISHED DECEMBER 29, 1936. Class 2.

343,990. WRIST WATCH STRAPS. HAROLD J. SEARER, doing business as Akron Linen Products Company, Akron, Ohio.
Filed October 14, 1936. Serial No. 384,337. PUBLISHED DECEMBER 29, 1936. Class 40.

343,991. HAIR SHAMPOO PREPARATION. GEORGE GALLOWHUR, Mount Kisco, N. Y.
Filed October 14, 1936. Serial No. 384,359. PUBLISHED DECEMBER 22, 1936. Class 6.

343,992. NAILS AND TACKS. ATLAS TACK CORPORATION, Fairhaven, Mass.
Filed October 15, 1936. Serial No. 384,365. PUBLISHED DECEMBER 29, 1936. Class 13.

343,993. OIL USED IN THE PROCESSING AND TREATMENT OF RUBBER, PARTICULARLY IN RECLAIMING AND SOFTENING RUBBER. THE BARRETT COMPANY, New York, N. Y.
Filed October 15, 1936. Serial No. 384,366. PUBLISHED DECEMBER 15, 1936. Class 6.

343,994. BRASSIÈRES. NEW-ZAN BANDEAU CO., INC., New York, N. Y.
Filed October 15, 1936. Serial No. 384,389. PUBLISHED DECEMBER 29, 1936. Class 39.

343,995. MEDICAL PREPARATION FOR TREATING ASTHMA AND BRONCHIAL TROUBLES. ROBERT H. SMART, Charleston, S. C.
Filed October 15, 1936. Serial No. 384,392. PUBLISHED DECEMBER 29, 1936. Class 6.

343,996. YEAST CONCENTRATE PREPARATION USED AS A DIETARY SUPPLEMENT. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed October 15, 1936. Serial No. 384,395. PUBLISHED DECEMBER 29, 1936. Class 6.

343,997. SUSPENSION OF SULFIDES FOR THE TREATMENT OF CERTAIN FORMS OF DERMATITIS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed October 15, 1936. Serial No. 384,396. PUBLISHED DECEMBER 29, 1936. Class 6.

343,998. WRITING PENS OF ALL KINDS AND FOUNTAIN PENS. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J.
Filed October 16, 1936. Serial No. 384,414. PUBLISHED DECEMBER 29, 1936. Class 37.

343,999. SYRUPS, EXTRACTS, AND FLAVORING COMPOUNDS FOR MAKING NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. FRIES & FRIES, INC., Cincinnati, Ohio.
Filed October 16, 1936. Serial No. 384,418. PUBLISHED DECEMBER 29, 1936. Class 45.

344,000. TOBACCO, CIGAR, AND CIGARETTE FLAVORING COMPOUNDS. FRIES & FRIES, INC., Cincinnati, Ohio.
Filed October 16, 1936. Serial No. 384,419. PUBLISHED DECEMBER 29, 1936. Class 17.

344,001. SMOOTH TEXTILE FIBERS CURLED BY CHEMICAL TREATMENT SUITABLE FOR USE AS A YARN, THREAD, OR FABRIC. JULIUS E. KIEFER, Milwaukee, Wis.
Filed October 16, 1936. Serial No. 384,424. PUBLISHED DECEMBER 29, 1936. Class 1.

344,002. MEN'S HATS AND CAPS. PALCO HATS, INCORPORATED, Norwalk, Conn.
Filed October 16, 1936. Serial No. 384,436. PUBLISHED DECEMBER 29, 1936. Class 39.

344,003. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER OR TEXTILE MATERIAL. THE IRVING DREW COMPANY, Portsmouth, Ohio.
Filed October 17, 1936. Serial No. 384,450. PUBLISHED DECEMBER 22, 1936. Class 39.

344,004. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER OR TEXTILE MATERIAL. THE IRVING DREW COMPANY, Portsmouth, Ohio.
Filed October 17, 1936. Serial No. 384,451. PUBLISHED DECEMBER 22, 1936. Class 39.

344,005. HATS FOR MEN AND WOMEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed October 17, 1936. Serial No. 384,462. PUBLISHED DECEMBER 22, 1936. Class 39.

344,006. HATS FOR MEN AND WOMEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed October 17, 1936. Serial No. 384,464. PUBLISHED DECEMBER 22, 1936. Class 39.

344,007. PERMANENT WAVING SOLUTIONS. MAJESTIC WAVING COMPANY, INC., Chicago, Ill.
Filed October 17, 1936. Serial No. 384,469. PUBLISHED DECEMBER 29, 1936. Class 6.

344,008. PREPARED MATERIALS USED FOR PURIFYING AND TREATING WATER. THE PERMUTIT COMPANY, New York, N. Y.
Filed October 17, 1936. Serial No. 384,475. PUBLISHED DECEMBER 29, 1936. Class 6.

344,009. FOOT WEAR—NAMELY, BOOTS AND SHOES MADE OF LEATHER, FABRIC, OR RUBBER AND COMBINATIONS OF THESE MATERIALS, INCLUDING RUBBERS AND RUBBER BOOTS. BOOK'S SHOE COMPANY, Pittsburgh, Pa.
Filed October 19, 1936. Serial No. 384,499. PUBLISHED DECEMBER 29, 1936. Class 39.

344,010. BURN OINTMENT. CHICAGO PHARMACAL CO., Chicago, Ill.
Filed October 19, 1936. Serial No. 384,511. PUBLISHED DECEMBER 29, 1936. Class 6.

344,011. COMPOUND TABLET FOR THE TREATMENT OF RHEUMATIC AND ARTHRITIC CONDITIONS. CHICAGO PHARMACAL CO., Chicago, Ill.
Filed October 19, 1936. Serial No. 384,512. PUBLISHED DECEMBER 29, 1936. Class 6.

344,012. TOILET PREPARATION TO PREVENT EXCESSIVE PERSPIRATION. EVER-DRY LABORATORIES, INC., Los Angeles, Calif.
Filed October 19, 1936. Serial No. 384,519. PUBLISHED DECEMBER 29, 1936. Class 6.

344,013. LADIES', MEN'S, AND CHILDREN'S GLOVES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. LOUIS MEYERS & SON, INC., New York, N. Y.
Filed October 19, 1936. Serial No. 384,546. PUBLISHED DECEMBER 22, 1936. Class 39.

344,014. SHREDDED REDWOOD BARK FIBER. THE PACIFIC LUMBER COMPANY, San Francisco, Calif.
Filed October 19, 1936. Serial No. 384,549. PUBLISHED DECEMBER 29, 1936. Class 1.

344,015. PIECE GOODS OF SPUN RAYON, RAYON, MIXTURES OF WOOL AND RAYON, AND MIXTURES OF COTTON AND RAYON. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed October 19, 1936. Serial No. 384,550. PUBLISHED DECEMBER 29, 1936. Class 42.

344,016. CONTAINERS FOR LIQUEFIED PETROLEUM GAS. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed October 19, 1936. Serial No. 384,551. PUBLISHED DECEMBER 29, 1936. Class 2.

344,017. PICTURE SECTION OF A NEWSPAPER. THE REGISTER & TRIBUNE COMPANY, Des Moines, Iowa.
Filed October 19, 1936. Serial No. 384,555. PUBLISHED DECEMBER 22, 1936. Class 38.

344,018. WARRANTED PURE LINEN IN THE PIECE. CARLETON SCHALLER & CO., INC., New York, N. Y.
Filed October 19, 1936. Serial No. 384,560. PUBLISHED DECEMBER 29, 1936. Class 42.

344,019. WARRANTED PURE LINEN IN THE PIECE. CARLETON SCHALLER & CO., INC., New York, N. Y.
Filed October 19, 1936. Serial No. 384,561. PUBLISHED DECEMBER 29, 1936. Class 42.

344,020. MEN'S, YOUNG MEN'S, BOYS', AND CHILDREN'S WEARING APPAREL—NAMELY, SUITS, COATS, VESTS, ETC. SCHLOSS BROS. & CO., INC., Baltimore, Md.
Filed October 19, 1936. Serial No. 384,563. PUBLISHED DECEMBER 29, 1936. Class 39.

344,021. MEN'S, YOUNG MEN'S, BOYS', AND CHILDREN'S WEARING APPAREL—NAMELY, SUITS, COATS, VESTS, ETC. SCHLOSS BROS. & CO., INC., Baltimore, Md.
Filed October 19, 1936. Serial No. 384,564. PUBLISHED DECEMBER 29, 1936. Class 39.

344,022. PILE PREPARATION IN TABLET AND CAPSULE FORM. HERBERT D. STAHL, doing business as Davis Laboratories, Pittsburgh, Pa.
Filed October 19, 1936. Serial No. 384,570. PUBLISHED DECEMBER 29, 1936. Class 6.

344,023. CLEANER FOR REMOVAL OF SOIL AND STAINS FROM TEXTILE FABRICS. R. R. STREET & CO. INC., Chicago, Ill.
Filed October 19, 1936. Serial No. 384,571. PUBLISHED DECEMBER 22, 1936. Class 4.

344,024. PERIODICAL MAGAZINE. CINEMA MAGAZINE INC., New York, N. Y.
Filed October 20, 1936. Serial No. 384,581. PUBLISHED DECEMBER 15, 1936. Class 38.

344,025. COLUMN IN A PRINTED PUBLICATION. SIDNEY FORRESTER MASHBIR, JR., Westwood, West Los Angeles, Calif.
Filed October 20, 1936. Serial No. 384,592. PUBLISHED DECEMBER 15, 1936. Class 38.

344,026. PERIODICAL PUBLISHED MONTHLY. POPULAR MECHANICS COMPANY, Chicago, Ill.
Filed October 20, 1936. Serial No. 384,595. PUBLISHED DECEMBER 15, 1936. Class 38.

344,027. CANNED ORANGE JUICE FOR FOOD PURPOSES. TREESWEET PRODUCTS CO., Los Angeles, Calif.
Filed October 20, 1936. Serial No. 384,603. PUBLISHED DECEMBER 29, 1936. Class 46.

344,028. PHOTO ENGRAVED PRINTING PLATES. RALPH L. GARNIER, Los Angeles, Calif.
Filed October 21, 1936. Serial No. 384,615. PUBLISHED DECEMBER 29, 1936. Class 50.

344,029. NASAL JELLY. THE OMEGA CHEMICAL COMPANY, Brooklyn, N. Y.
Filed October 21, 1936. Serial No. 384,623. PUBLISHED DECEMBER 29, 1936. Class 6.

344,030. VITAMIN-CONTAINING MEDICINAL PREPARATIONS FOR INTERNAL USE WHERE A VITAMIN DEFICIENCY IS INDICATED, AND FOR VITAMIN CONTAINING PREPARATIONS FOR EXTERNAL USE FOR BURNS, CUTS, ABRASIONS, SKIN IRRITATIONS, AND CERTAIN ECZEMAS. AMERICAN PHARMACEUTICAL COMPANY, INC., New York, N. Y.
Filed October 22, 1936. Serial No. 384,641. PUBLISHED DECEMBER 29, 1936. Class 6.

344,031. ANTIANEMIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed October 22, 1936. Serial No. 384,681. PUBLISHED DECEMBER 29, 1936. Class 6.

344,032. PERIODICAL MAGAZINE. KIEHL & STEVENS, INC., Orlando, Fla.
Filed October 13, 1936. Serial No. 384,692. PUBLISHED DECEMBER 15, 1936. Class 38.

344,033. HOSIERY. BROWN DURRELL CO., New York, N. Y.
Filed October 23, 1936. Serial No. 384,700. PUBLISHED DECEMBER 29, 1936. Class 39.

344,034. LIQUID IODIZED OIL USEFUL IN THE TREATMENT OF ASTHMA, CHRONIC BRONCHITIS, AND BRONCHIECTASIS. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed October 23, 1936. Serial No. 384,712. PUBLISHED DECEMBER 29, 1936. Class 6.

344,035. MEDICINE FOR THE TREATMENT OF ANEMIA. THE GIFFORD COMPANY, New York, N. Y.
Filed October 24, 1936. Serial No. 384,744. PUBLISHED DECEMBER 29, 1936. Class 6.

344,036. MIXTURE CONTAINING POTASSIUM IODIDE USED FOR ADDING IODINE TO FOODS. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed October 24, 1936. Serial No. 384,754. PUBLISHED DECEMBER 29, 1936. Class 6.

344,037. NASAL SYPHONS. NICHOLS NASAL SYPHON, INC., New York, N. Y.
Filed October 24, 1936. Serial No. 384,759. PUBLISHED DECEMBER 29, 1936. Class 44.

344,038. WOMEN'S, MISSES', AND CHILDREN'S DRESSES, SUITS, KNITTED DRESSES, KNITTED SHIRTS, KNITTED BLOUSES, SWEATERS, SLIPS, AND SKIRTS. PEERLESS SPORT APPAREL CO., INC., New York, N. Y.
Filed October 24, 1936. Serial No. 384,760. PUBLISHED DECEMBER 29, 1936. Class 39.

344,039. WOMEN'S WEARING APPAREL—NAMELY, COATS AND SUITS. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio.
Filed October 24, 1936. Serial No. 384,761. PUBLISHED DECEMBER 29, 1936. Class 39.

344,040. PLANT FUNGICIDE. RÖHM & HAAS COMPANY, Philadelphia, Pa.
Filed October 24, 1936. Serial No. 384,762. PUBLISHED DECEMBER 29, 1936. Class 6.

344,041. MINERAL FOOD CONCENTRATE FOR USE AS AN ALKALIZER AND ANTACID. STAYNER LABORATORIES INC., Portland, Oreg.
Filed October 26, 1936. Serial No. 384,777. PUBLISHED DECEMBER 29, 1936. Class 6.

344,042. FLY SWATTERS. LUBBERS & BELL MANUFACTURING COMPANY, Clinton, Iowa.
Filed October 26, 1936. Serial No. 384,801. PUBLISHED DECEMBER 29, 1936. Class 50.

344,043. PREPARATION FOR THE TREATMENT OF TIRED AND SORE MUSCLES, FATIGUE HEADACHES, MIGRAINE, COLDS, COUGHS, AND HOARSENESS, RHEUMATISM, NEURALGIA, SORE GUMS, EXCESSIVE PERSPIRATION, OILY SKIN, INSECT BITES, AND FOR CLEANING THE TEETH. JOSEPH F. VANATA, Chicago, Ill.
Filed October 26, 1936. Serial No. 384,825. PUBLISHED DECEMBER 29, 1936. Class 6.

344,044. CARDIOTONIC, MUSCLE TONIC. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y.
Filed October 28, 1936. Serial No. 384,875. PUBLISHED DECEMBER 29, 1936. Class 6.

344,045. SISAL RUGS. WILLIAM GOODACRE & SONS, LTD., New York, N. Y.
Filed October 28, 1936. Serial No. 384,891. PUBLISHED DECEMBER 29, 1936. Class 42.

344,046. SANITARY BELTS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed October 28, 1936. Serial No. 384,901. PUBLISHED DECEMBER 29, 1936. Class 44.

344,047. LADIES' HANDBAGS. THE HERMAN BAG, INC., New York, N. Y.
Filed October 29, 1936. Serial No. 384,926. PUBLISHED DECEMBER 29, 1936. Class 3.

344,048. WOMEN'S SHOES OF LEATHER AND FABRIC, AND A COMBINATION OF THESE MATERIALS. THE SELBY SHOE CO., Portsmouth, Ohio.
Filed October 29, 1936. Serial No. 384,936. PUBLISHED DECEMBER 29, 1936. Class 39.

344,049. COMPOSITIONS CONSISTING LARGELY OF CONCENTRATED RUBBER LATEX. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed October 29, 1936. Serial No. 384,939. PUBLISHED DECEMBER 29, 1936. Class 1.

344,050. RAIN COATS MADE OF RUBBER AND FABRIC. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed October 29, 1936. Serial No. 384,940. PUBLISHED DECEMBER 29, 1936. Class 39.

344,051. MEDICINE FOR ACIDOSIS CONDITION, AUTOINTOXICATION, AND FAULTY METABOLISM. ROBERT W. A. MEINUNG, San Diego, Calif.
Filed October 28, 1936. Serial No. 384,950. PUBLISHED DECEMBER 29, 1936. Class 6.

344,052. FURNITURE POLISH AND AUTO WAX. GULF OIL CORPORATION, Pittsburgh, Pa.
Filed October 30, 1936. Serial No. 384,962. PUBLISHED DECEMBER 29, 1936. Class 16.

344,053. BRASSIÈRES, BANDEAUX, CORSETS, CORSELETS, PANTIES, PANTIE-GIRDLES, GIRDLES, AND GARTER BELTS. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y.
Filed October 30, 1936. Serial No. 384,967. PUBLISHED DECEMBER 29, 1936. Class 39.

344,054. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME. THE MILLER BECKER CO., Cleveland, Ohio.
Filed October 30, 1936. Serial No. 384,970. PUBLISHED DECEMBER 29, 1936. Class 45.

344,055. LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC. I. SCHNEIERSON & SONS, INC., New York, N. Y.
Filed October 30, 1936. Serial No. 384,976. PUBLISHED DECEMBER 29, 1936. Class 39.

344,056. SEAT CUSHIONS MADE OF EXPANDED RUBBER. VIRGINIA RUBATEX CORPORATION, Bedford, Va., and Jersey City, N. J.
Filed October 30, 1936. Serial No. 384,986. PUBLISHED DECEMBER 29, 1936. Class 32.

344,057. LEATHER SHOES. BRILLIANT BROTHERS COMPANY, Boston, Mass.
Filed October 31, 1936. Serial No. 384,990. PUBLISHED DECEMBER 29, 1936. Class 39.

344,058. KNITTING AND WEAVING MACHINES. KAYLOOMS INCORPORATED, Weehawken, N. J.
Filed October 31, 1936. Serial No. 385,003. PUBLISHED DECEMBER 29, 1936. Class 23.

344,059. ADHESIVES. MARBON CORPORATION, Chicago, Ill.
Filed October 31, 1936. Serial No. 385,005. PUBLISHED DECEMBER 29, 1936. Class 5.

344,060. CALCIMINE. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed October 31, 1936. Serial No. 385,018. PUBLISHED DECEMBER 29, 1936. Class 16.

344,061. VARNISHES, ENAMELS OF THE PAINT OR VARNISH TYPE, LACQUERS, STAINS, UNDERCOATERS, ETC. THE LOWE BROTHERS COMPANY, Dayton, Ohio.
Filed November 2, 1936. Serial No. 385,050. PUBLISHED DECEMBER 29, 1936. Class 16.

344,062. SHOVELS, SPADES, AND SCOOPS. SUPPLEE-BIDDLE HARDWARE CO., Philadelphia, Pa.
Filed November 2, 1936. Serial No. 385,072. PUBLISHED DECEMBER 29, 1936. Class 23.

344,063. PREPARED POWDER FOR MAKING SOFT DRINKS. WYLER & COMPANY, Chicago, Ill.
Filed November 2, 1936. Serial No. 385,080. PUBLISHED DECEMBER 29, 1936. Class 45.

344,064. LADIES' AND MISSES' HATS. CARR SYSTEM, INC., New York, N. Y.
Filed November 3, 1936. Serial No. 385,088. PUBLISHED DECEMBER 29, 1936. Class 39.

344,065. TAPS. GREENFIELD TAP AND DIE CORPORATION, Greenfield, Mass.
Filed November 3, 1936. Serial No. 385,095. PUBLISHED DECEMBER 29, 1936. Class 23.

344,066. LADIES' CORSETS, CORSELETS, GIRDLES, AND COMBINATION FOUNDATION UNDERGARMENTS, ETC. THE LA RESISTA CORSET COMPANY, Bridgeport, Conn.
Filed November 3, 1936. Serial No. 385,102. PUBLISHED DECEMBER 29, 1936. Class 39.

344,067. PASTEURIZING MACHINE. BIRELEY'S INCORPORATED, Hollywood, Calif.
Filed November 4, 1936. Serial No. 385,130. PUBLISHED DECEMBER 29, 1936. Class 23.

344,068. GOLFER'S GLOVE. KENNETH L. BURGETT, doing business as The K. L. Burgett Co., Peoria, Ill.
Filed November 4, 1936. Serial No. 385,131. PUBLISHED DECEMBER 29, 1936. Class 22.

344,069. MAGNETIC CORES FOR USE WITH INDUCTIVE WINDINGS FOR RADIO AND ALLIED PURPOSES. ALADDIN RADIO INDUSTRIES, INCORPORATED, Chicago, Ill.
Filed November 5, 1936. Serial No. 385,170. PUBLISHED DECEMBER 29, 1936. Class 21.

344,070. RADIO RECEIVERS INCLUDING RADIO FREQUENCY TUNING DEVICES. ALADDIN RADIO INDUSTRIES, INCORPORATED, Chicago, Ill.
Filed November 5, 1936. Serial No. 385,171. PUBLISHED DECEMBER 29, 1936. Class 21.

344,071. PYROMETERS AND RADIATION PYROMETERS. LEEDS & NORTHRUP COMPANY, Philadelphia, Pa.
Filed November 5, 1936. Serial No. 385,189. PUBLISHED DECEMBER 29, 1936. Class 26.

344,072. BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. FREEMAN SHOE CORPORATION, Beloit, Wis.
Filed November 6, 1936. Serial No. 385,225. PUBLISHED DECEMBER 29, 1936. Class 39.

344,073. COMBINED BEADERS AND HAMMERS, COMBINED EDGING AND WIRING MACHINES, COMBINED ROLLS AND EDGE-TURNING MACHINES, ETC. THE QUICKWORK COMPANY, St. Mary's, Ohio.
Filed November 9, 1936. Serial No. 385,304. PUBLISHED DECEMBER 29, 1936. Class 23.

344,074. WOMEN'S CLOTHING—NAMELY, DRESSES AND COATS. ROAMAN'S INC., New York, N. Y.
Filed November 9, 1936. Serial No. 385,305. PUBLISHED DECEMBER 29, 1936. Class 39.

344,075. ELECTRIC HEAD LAMP FOR VEHICLES. TRIPPE MANUFACTURING COMPANY, Chicago, Ill.
Filed November 9, 1936. Serial No. 385,315. PUBLISHED DECEMBER 29, 1936. Class 21.

344,076. JACKETS, PLAY SUITS, BOYS' BLOUSES, BOYS' SHIRTS, PAJAMAS, FLANNEL SHIRTS, NIGHT SHIRTS, SPORT SHIRTS, ETC. M. FINE & SONS MANUFACTURING CO., INC., New York, N. Y.
Filed November 10, 1936. Serial No. 385,330. PUBLISHED DECEMBER 29, 1936. Class 39.

344,077. TABLE GAME OR SIMILAR GAME UTILIZING A PLURALITY OF HAND THROWN DICE, SAID DICE HAVING INSCRIBED THEREON PLAYING CARD INDICIA TO PLAY CARD POKER. LEON ADLER, doing business as Cuboker Company, Baltimore, Md.
Filed November 11, 1936. Serial No. 385,383. PUBLISHED DECEMBER 29, 1936. Class 22.

344,078. OVERALLS, TROUSERS, MEN'S SUITS, BOYS' SUITS, AND SPORT JACKETS. LIBERTY OVERALL CO., doing business as Liberty Trouser Company, Birmingham, Ala.
Filed November 16, 1936. Serial No. 385,591. PUBLISHED DECEMBER 29, 1936. Class 39.

344,079. WHISKY. THE SCOTTISH GRAIN DISTILLING CO. LIMITED, Glasgow, Scotland.
Filed November 17, 1936. Serial No. 385,648. PUBLISHED DECEMBER 29, 1936. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

344,080. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., Worcester, Mass., and Hoboken, N. J. Filed Oct. 27, 1931. Serial No. 320,486.

American
Steel & Wire Company

For Wire—Namely, Florist Wire.
Claims use since Jan. 10, 1931.

344,081. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BLUE SEAL EXTRACT COMPANY, Cambridge, Mass. Filed Jan. 14, 1935. Serial No. 360,206.

Good Mix-ins
for
Good Mixers

For Carbonated, Non-Alcoholic, Non-Cereal, and Maltless Beverages and Extracts Therefor.
Claims use since Oct. 1, 1934.

344,082. (CLASS 48. MALT BEVERAGES AND LIQUORS.) BLUE SEAL EXTRACT COMPANY, Cambridge, Mass. Filed Jan. 14, 1935. Serial No. 360,207.

Good Mix-ins
for
Good Mixers

For Alcoholic, Cereal, Malt Beverages, and Extracts Therefor.
Claims use since Oct. 1, 1934.

344,083. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARNATION COMPANY, Wilmington, Del., Milwaukee and Oconomowoc, Wis., and Seattle, Wash. Filed June 19, 1935. Serial No. 366,356.

The Drink You Eat With A Spoon

For Frosted Malted Milk.
Claims use since May 20, 1935.

344,084. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KLEENSAN CORPORATION, New York, N. Y. Filed Sept. 7, 1935. Serial No. 369,120.

NU-BIDET

For Bidets, Toilet Bowls, Toilet Seats, Lavatories of the Attached Type, and Sanitary Attachments for Toilets and Bidets for Internal Irrigations.
Claims use since May 6, 1935.

344,085. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Filed Nov. 14, 1935. Serial No. 371,529.

Silent Flame

For Pocket and Table Electric Lighters for Lighting Cigarettes and Cigars.
Claims use since Nov. 5, 1935.

344,086. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HERB FARM, Chester, N. J. Filed Dec. 5, 1935. Serial No. 372,279.

THE HERB FARM

For Condiments—Namely, Condimental Fragments and Powders and Flavored Vinegars.
Claims use since Sept. 20, 1932.

344,087. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PUREPAC CORPORATION, New York, N. Y. Filed Dec. 17, 1935. Serial No. 372,744.

DR. TRAVERS

For Tooth Powder.
Claims use since March, 1933.

344,088. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THOMSON MACHINE COMPANY, Belleville, N. J. Filed Dec. 28, 1935. Serial No. 373,151.

FEED SHEETER

For Dough Working Machines.
Claims use since Dec. 27, 1935.

344,089. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MELRATH SUPPLY & GASKET CO., INC., Philadelphia, Pa. Filed Feb. 6, 1936. Serial No. 374,564.

SEALTITE

For Screw Threaded Metal Plugs and Flanges for Steel Drums and Barrels.
Claims use since Dec. 27, 1935.

344,090. (CLASS 39. CLOTHING.) GEO. E. KEITH COMPANY, Campello, Mass. Filed Feb. 7, 1936. Serial No. 374,594.

WESTCHESTER WELTS

For Shoes Principally of Leather, Shoes Principally of Fabric, and Shoes of a Combination of Leather and Fabric.
Claims use since Dec. 19, 1935.

344,091. (CLASS 39. CLOTHING.) HARRY BERGER, New York, N. Y. Filed Feb. 28, 1936. Serial No. 375,316.

"MAN TAILORED"
STYLED BY HARRY BERGER

For Men's, Women's, and Children's Pajamas.
Claims use since Dec. 15, 1935.

344,092. (CLASS 37. PAPER AND STATIONERY.) PENINSULAR PAINT & VARNISH CO., Detroit, Mich. Filed Mar. 30, 1936. Serial No. 376,604.

Kleen-Ezy

For Wall Paper.
Claims use since Jan. 11, 1936.

344,093. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEABOARD PACKING CORP., New York, N. Y. Filed Apr. 17, 1936. Serial No. 377,325.

TASTY

For Canned Dog Food.
Claims use since Jan. 11, 1936.

344,094. (CLASS 2. RECEPTACLES.) DAVID WEBER & CO., Philadelphia, Pa. Filed June 22, 1936. Serial No. 380,092.

LINER-JOINT

For Boxes of Paper or Other Fibrous Material.
Claims use since Jan. 13, 1936.

344,095. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CERTIFIED AUTO PRODUCTS COMPANY, INC., Chattanooga, Tenn. Filed June 18, 1936. Serial No. 380,169.

NOSQUEEK

For Spring Leaf Lubricating Inserts.
Claims use since Nov. 15, 1935.

344,096. (CLASS 39. CLOTHING.) ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed July 8, 1936. Serial No. 380,739.

Cranbrook

For Men's and Boys' Suits, Coats, Dress, Negligee, Work Shirts and Undershirts, Underwear, and Shoes of Leather, Rubber, or Fabric, and Combinations of These Materials.
Claims use since June 10, 1935.

344,097. (CLASS 47. WINES.) EUROPEAN WINE EXPORTERS & GROWERS AGENCIES, INC., New York, N. Y. Filed Aug. 21, 1936. Serial No. 382,425.

IBERICA

For Wine.
Claims use since Jan. 10, 1936.

344,098. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE FORSBERG MANUFACTURING CO., Bridgeport, Conn. Filed Aug. 31, 1936. Serial No. 382,750.

NORSE

For Screw Drivers, Saw Blades, Saw Frames, Putty Knives, Scraping Knives, and Hand Drills.
Claims use since Sept. 1, 1935.

344,099. (CLASS 39. CLOTHING.) BEDFORD SHIRT CORPORATION, New York, N. Y. Filed Sept. 8, 1936. Serial No. 383,002.

Coll-A-Ease

For Men's, Women's and Children's Shirts and Collars.
Claims use since Jan. 1, 1936.

344,100. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LEWIS R. SMITH, RECEIVER FOR APCO MOSSBERG CORPORATION, Attleboro, Mass. Filed Sept. 30, 1936. Serial No. 383,826.

VENT-FRONT

For Radiator Cover for an Automobile.
Claims use since Oct. 1, 1935.

344,101. (CLASS 39. CLOTHING.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 19, 1936. Serial No. 384,521.

fit-in-action

For Women's and Misses' Underwear.
Claims use since Jan. 15, 1936.

344,102. (CLASS 39. CLOTHING.) CHURCH & COMPANY LIMITED, Northampton, England. Filed Nov. 3, 1936. Serial No. 385,089.

ALAN McAFEE

For Boots and Shoes of Leather, Rubber, and Fabric, and Combinations of These Materials.
Claims use since Dec. 31, 1896.

344,103. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FABRIQUE D'HORLOGERIE CHS. TISSOT & FILS S. A., Le Locle, Switzerland. Filed Nov. 16, 1936. Serial No. 385,571.

Tissot

For Watches, Clocks, Watch and Clock Movements, and Parts Thereof.
Claims use since Mar. 20, 1928.

344,104. (CLASS 39. CLOTHING.) HART, SCHAFFNER & MARX, Chicago, Ill. Filed Nov. 18, 1936. Serial No. 385,666.

Singa-Pore

For Men's and Boys' Suits, Coats, Overcoats, Topcoats, Vests, Trousers, Knickerbockers and Breeches.
Claims use since Nov. 11, 1935.

344,105. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID B. STENTON, Detroit, Mich. Filed Nov. 19, 1936. Serial No. 385,756.

Stentons

For Digestive Tonic, Mineral Tonic, and Digestive Enzymes Compound.
Claims use since June, 1925.

344,106. (CLASS 39. CLOTHING.) CAPRI FROCKS INC., New York, N. Y. Filed Dec. 2, 1936. Serial No. 386,202.

CAPRÍ

For Ladies' and Misses' Coats, Suits, Frocks, Dresses, Gowns, Wraps, Evening Wraps and Jackets.
Claims use since Oct. 17, 1932.

344,107. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LEO F. PHILLIPS, New York, N. Y. Filed Dec. 4, 1936. Serial No. 386,317.

HOLLYWOOD

For Buckles, Slides, Buttons, and Clips Used for Notions and Dress Trimmings, and Loose Beads not Made of Precious Metal.
Claims use since 1932.

344,108. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HELEN E. PEARSON, doing business as Productive Dental Co., Chicago, Ill. Filed Dec. 11, 1936. Serial No. 386,659.

MASTO

For Dental Treatment Cement.
Claims use since 1920.

344,109. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) NATHAN PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 14, 1936. Serial No. 386,737.

"OPN-FLAP"

For Hand Bags.
Claims use since Oct. 10, 1934.

344,110. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL DESSERTS CORPORATION, New York, N. Y. Filed Dec. 18, 1936. Serial No. 386,891.

DUBL-STRNTH

For Vanilla Extract for Food Flavoring Purposes.
Claims use since June 12, 1935.

344,111. (CLASS 39. CLOTHING.) BULLOCK'S, INC., Los Angeles, Calif. Filed Jan. 7, 1937. Serial No. 387,642.

TRU-SILK

For Silk Hosiery.
Claims use since May 14, 1935.

TRADE-MARK REGISTRATIONS RENEWED

114,001. ENGINE-GOVERNORS. Registered November 14, 1916. MONARCH GOVERNOR CO. Renewed November 14, 1936, to Monarch Governor Company, Detroit, Mich., a corporation of Michigan, assignee.

114,093. HOSIERY. Registered November 28, 1916. M. A. FRIEDMAN & BRO. Renewed November 28, 1936, to Friedman Hosiery Corporation, New York, N. Y., a corporation of New York, assignee.

114,998. A SALVE FOR EXTERNAL TREATMENT OF CATARRH, SORE THROAT, TONSILITIS, AND CROUP. Registered January 16, 1917. JAMES S. MCCLANAHAN. Renewed January 16, 1937, to W. L. McClanahan, Justin, Tex., successor.

115,003. MATERIALS FOR PRECIPITATING VALUABLE METALS FROM HYDROMETALLURGICAL SOLUTIONS CONTAINING THE SAME. Registered January 16, 1917. MERRILL METALLURGICAL COMPANY. Renewed January 16, 1937, to The Alloys Company, San Francisco, Calif., a corporation of California, assignee.

115,052. WRITING AND PRINTING PAPER KNOWN AS. EXTRA-SUPERFINE AND COLORED FLATS. Registered January 23, 1917. AMERICAN WRITING PAPER CO. Renewed January 23, 1937, to American Writing Paper Company, Inc., Holyoke, Mass., a corporation of Delaware, assignee.

115,205. WASHABLE LEATHER. Registered January 30, 1917. LOUIS MEYERS & SON. Renewed January 30, 1937, to Louis Meyers & Son, Inc., New York, N. Y., a corporation of New York, assignee.

115,295. BITS, SPURS, STIRRUPS, AND SADDLERY HARDWARE. Registered February 6, 1917. AUGUST BUERMANN MANUFACTURING COMPANY, Newark, N. J. Renewed February 6, 1937, to North and Judd Manufacturing Company, New Britain, Conn., a corporation of Connecticut, assignee.

115,434. FACE-POWDER AND ROUGE. Registered February 13, 1917. A. BOURJOIS & CO., INC. Renewed February 13, 1937, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee.

115,435. FACE-POWDER AND ROUGE. Registered February 13, 1917. A. BOURJOIS & CO., INC. Renewed February 13, 1937, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee.

115,676. OIL-ENGINES. Registered February 27, 1917. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed February 27, 1937.

115,684. COMPOSITION FOR STOPPING LEAKS, ELIMINATING RUST, PREVENTING CORROSION OF METALS AND SCALE IN BOILERS. Registered February 27, 1917. LOUIS J. STERN, Boston, Mass. Renewed February 27, 1937, to "X" Laboratories, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

115,693. SYRUP AND MOLASSES. Registered February 27, 1917. THE TOWLE MAPLE PRODUCTS COMPANY, Wilmington, Del., and St. Paul, Minn. Renewed February 27, 1937, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

115,706. BREAD. Registered February 27, 1917. WARD BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed February 27, 1937.

115,719. DAIRY AND STOCK FEEDS. Registered March 6, 1917. ARCADY FARMS MILLING COMPANY, Roundout, Ill. Renewed March 6, 1937, to Arcady Farms Milling Company, Chicago, Ill., a corporation of Illinois.

115,797. SOLUBLE LUBRICATING-OILS. Registered March 6, 1917. THE PHOENIX OIL COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed March 6, 1937.

115,862. A NON-ALCOHOLIC PREPARATION. Registered March 13, 1917. PABST BREWING COMPANY, Milwaukee, Wis. Renewed March 13, 1937, to Premier-Pabst Corporation, Peoria Heights, Ill., a corporation of Delaware, assignee by mesne assignments.

115,890. CHOCOLATES AND BONBONS. Registered March 20, 1917. IMPERIAL CANDY CO., Seattle, Wash., a corporation of Washington. Renewed March 20, 1937.

115,902. LEATHER SHOES. Registered March 20, 1917. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed March 20, 1937.

115,997. SOLUBLE LUBRICATING AND SOLUBLE CUTTING OILS. Registered March 27, 1917. THE PHOENIX OIL COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed March 27, 1937.

116,044. APPLIANCES FOR CLEANING BOILERS. Registered April 3, 1917. DIAMOND POWER SPECIALTY COMPANY. Renewed April 3, 1937, to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan, assignee by mesne assignments.

116,045. APPLIANCES FOR CLEANING BOILERS. Registered April 3, 1917. DIAMOND POWER SPECIALTY COMPANY. Renewed April 3, 1937, to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan, assignee by mesne assignments.

116,105. ANIMAL DIPS AND DISINFECTANTS. Registered April 3, 1917. WEST DISINFECTING COMPANY, New York, N. Y. Renewed April 3, 1937, to West Disinfecting Company, Long Island City, N. Y., a corporation of New York.

116,282. SOAP. Registered April 24, 1917. A. BOURJOIS & CO., INC. Renewed April 24, 1937, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee.

116,284. DOMESTIC ONIONS IN THEIR NATURAL STATE, WITHOUT TOPS. Registered April 24, 1917. BRIDGE & SOUTER CO. INC. Renewed April 24, 1937, to Smith-Canastota, Inc., Canastota, N. Y., a corporation of New York, by change of name.

116,429. NUTS, BOLTS, AND METAL WASHERS. Registered May 1, 1917. GRIP NUT COMPANY, Chicago, Ill., and South Whitley, Ind. Renewed May 1, 1937, to Grip Nut Company, Chicago, Ill., a corporation of Illinois.

116,744. INNERSOLING FOR SHOES. Registered May 22, 1917. ARMSTRONG CORK COMPANY, Pittsburgh, Pa. Renewed May 22, 1937, to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania.

116,879. SOAP. Registered June 5, 1917. A. BOURJOIS & CO., INC. Renewed June 5, 1937, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee.

116,992. LADDERS. Registered June 5, 1917. THE JOHN S. TILLEY LADDERS CO. INC., Watervliet, N. Y., a corporation of New York. Renewed June 5, 1937.

117,048. FRESH OYSTERS. Registered June 12, 1917. J. H. MICHAELS CO., New York, N. Y., a corporation of New York. Renewed June 12, 1937.

117,107. CITRUS FRUITS. Registered June 19, 1917. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif., a corporation of California. Renewed June 19, 1937.

117,110. CERTAIN NAMED CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF. Registered June 19, 1917. THE CINCINNATI BUTCHERS' SUPPLY COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed June 19, 1937.

117,351. A LIQUID PREPARATION AND A SALVE FOR USE IN THE TREATMENT OF THE EYES. Registered July 3, 1917. GEORGE W. NEEDHAM. Renewed July 3, 1937, to R. A. Needham, Formosa, Ark., assignee.

117,382. PIGMENTS. Registered July 3, 1917. TITANIUM PIGMENT COMPANY, INC., Niagara Falls, N. Y. Renewed July 3, 1937, to National Lead Company, New York, N. Y., a corporation of New Jersey, assignee.

117,428. CERTAIN NAMED DRY GROCERIES. Registered July 10, 1917. ALBERT EHLERS. Renewed July 10, 1937, to Albert Ehlers, Inc., Brooklyn, N. Y., a corporation of New York, assignee.

117,496. CHOCOLATES AND CANDY. Registered July 10, 1917. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 10, 1937.

117,517. WHEAT-FLOUR. Registered July 17, 1917. CENTENNIAL MILL CO. Renewed July 17, 1937, to Centennial Flouring Mills Co., Seattle, Wash., a corporation of Washington, assignee.

117,576. WHEAT-FLOUR. Registered July 17, 1917. COLORADO MILLING & ELEVATOR CO., as assignee of The Model Milling & Elevator Company, Greeley and Denver, Colo. Renewed July 17, 1937, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado, assignee.

117,577. WHEAT-FLOUR. Registered July 17, 1917. COLORADO MILLING & ELEVATOR CO., as assignee of The Model Milling & Elevator Company, Greeley and Denver, Colo. Renewed July 17, 1937, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado, assignee.

117,578. SELF-RISING WHEAT-FLOUR. Registered July 17, 1917. COLORADO MILLING & ELEVATOR CO., as assignee of The Model Milling & Elevator Company, Greeley and Denver, Colo. Renewed July 17, 1937, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado, assignee.

117,584. MANICURE-BUFFERS, EMERY-BOARDS, MANICURE-STICKS, MANICURE-FILES. Registered July 17, 1917. NORTHAM WARREN CORPORATION, New York, N. Y., a corporation of New York. Renewed July 17, 1937.

117,590. SWINGS AND BEDS. Registered July 17, 1917. PERFECTION MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed July 17, 1937.

117,613. SELF-RISING FLOUR. Registered July 17, 1917. SEATTLE GRAIN CO. Renewed July 17, 1937, to Centennial Flouring Mills Co., Seattle, Wash., a corporation of Washington, assignee.

117,616. MACARONI. Registered July 17, 1917. THARINGER MACARONI COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed July 17, 1937

LABELS

REGISTERED MARCH 9, 1937

49,050.—*Title:* BEECH-NUT PEPSIN BEECHIES. For Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published January 13, 1937.

49,051.—*Title:* BEECH-NUT SPEARMINT BEECHIES. For Chewing Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published January 13, 1937.

49,052.—*Title:* BEECH-NUT TOPS. For Crackers. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published January 20, 1937.

49,053.—*Title:* BRILL'S SPAGHETTI SAUCE. For Spaghetti Sauce. H. C. BRILL COMPANY, INC., Newark, N. J. Published September 24, 1936.

49,054.—*Title:* J M BENCH MADE SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 17, 1936.

49,055.—*Title:* QUALITY SHOES—CHASE'S CUSHION COMFORT. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 17, 1936.

49,056.—*Title:* CLOVER FARM WHEATMEAL. For Breakfast Cereal. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Published October 31, 1936.

49,057.—*Title:* MARTIN H. COPE'S. For Evaporated Sweet Corn. MARTIN H. COPE & SON, Rheems, Pa. Published January 27, 1937.

49,058.—*Title:* THE SLIPPON MOP. For Mops. COTTON SPECIALTY CO., Chicago, Ill. Published December 23, 1936.

49,059.—*Title:* ONE HUNDRED GRAND. For Silk Stockings. DEXDALE HOSIERY MILLS, Lansdale, Pa. Published December 4, 1936.

49,060.—*Title:* RITZEE HAMBURGS. For Hamburgs. GODDE & MESSENGER, INC., Battle Creek, Mich. Published October 2, 1936.

49,061.—*Title:* LAKE STATE. For Beer. GRAND RAPIDS BREWING COMPANY, Grand Rapids, Mich. Published December 28, 1936.

49,062.—*Title:* FEATHER TRED FOOTWEAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published July 30, 1936.

49,063.—*Title:* HOLLY HILL. For Blended Orange and Grapefruit Juice. HOLLY HILL FRUIT PRODUCTS, INC., Davenport, Fla. Published December 5, 1936.

49,064.—*Title:* HOLLY HILL. For Canned Grapefruit. HOLLY HILL FRUIT PRODUCTS, INC., Davenport, Fla. Published December 5, 1936.

49,065.—*Title:* HOLLY HILL. For Canned Grapefruit and Oranges for Salad. HOLLY HILL FRUIT PRODUCTS, INC., Davenport, Fla. Published December 5, 1936.

49,066.—*Title:* KELLEY'S QUALITY. For Bread. KELLEY BAKING COMPANY, INC., Syracuse, N. Y. Published March 6, 1936.

49,067.—*Title:* PURITAN ORIGINAL DUTCH OVEN BAKED BEANS. For Baked Beans. MAINE CANNED FOODS, INC., Portland, Maine. Published November 28, 1936.

49,068.—*Title:* PURITAN OLD FASHIONED FRUIT PUDDING. For Fruit Pudding. MAINE CANNED FOODS, INC., Portland, Maine. Published December 2, 1936.

49,069.—*Title:* NECCO CHOCOLATE ICE CREAM DROPS. For Chocolate Ice Cream Drops. NEW ENGLAND CONFECTIONERY COMPANY, Cambridge, Mass. Published November 15, 1936.

49,070.—*Title:* LIMEY SYRUP. For Sweetened Lime Juice Syrup. L. ROSE & CO., LTD., Bloomfield, N. J. Published October 20, 1936.

49,071.—*Title:* ALWAYS ON TOP. For Dog Food. VIMPEP FOODS, INC., Cambridge, Md. Published December 19, 1936.

49,072.—*Title:* SILVER STAR. GUARANTEED DRESS FABRICS. $1.00. For Dress Fabrics. WHOLESALERS FABRICS CORP. OF AMERICA, New York, N. Y. Published January 1, 1937.

49,073.—*Title:* SILVER STAR. GUARANTEED DRESS LENGTHS. $1.98. For Dress Lengths. WHOLESALERS FABRICS CORP. OF AMERICA, New York, N. Y. Published January 1, 1937.

49,074.—*Title:* SILVER STAR. GUARANTEED DRESS LENGTHS. SUPREME $2.98 QUALITY. For Dress Lengths. WHOLESALERS FABRICS CORP. OF AMERICA, New York, N. Y. Published January 1, 1937.

PRINTS

REGISTERED MARCH 9, 1937

16,105.—*Title:* SPECIFICATION SEALED GASOLINE. For Gasoline. DANCIGER OIL & REFINERIES, INC., Tulsa, Okla. Published February 3, 1937.

16,106.—*Title:* RITZEE HAMBURGS. For Hamburgs. GODDE & MESSENGER, INC., Battle Creek, Mich. Published October 27, 1936.

16,107.—*Title:* NEW! SOCK WITH GARTER ATTACHED . . . PACER . . . BY HOLEPROOF. For Socks With Garters Attached. HOLEPROOF HOSIERY Co., Milwaukee, Wis. Published October 15, 1936.

16,108.—*Title:* SPRAY OR STREAM IN ONE. For Faucet Attachment. CARL E. LEHMAN, doing business as Faucetqueen Company, Chicago, Ill. Published November 16, 1936.

16,109.—*Title:* TENDER KRUST BREAD. For Bread. TENDER KRUST BAKING COMPANY, Eau Claire, Wis. Published September 15, 1936.

16,110.—*Title:* NAVY BLUE RAZOR BLADES FOR DOUBLE EDGE RAZORS. For Safety Razor Blades. TRIANGLE MECHANICAL LABORATORIES CORP., Brooklyn, N. Y. Published January 1, 1937.

REISSUES

MARCH 9, 1937

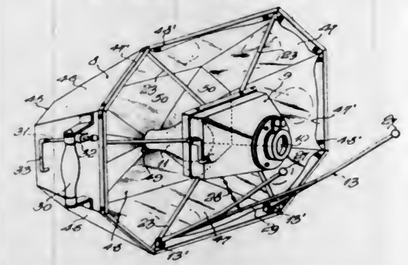
20,281

COMBINED CAMERA AND ILLUMINATOR

Alonzo E. Alderman, Washington, D. C., assignor to Burton Manufacturing Company, Inc., Chicago, Ill., a corporation of Illinois

Original No. 1,960,722, dated May 29, 1934, Serial No. 696,736, November 4, 1933. Application for reissue May 19, 1936, Serial No. 80,612

14 Claims. (Cl. 240—2)



9. In a combined camera and illuminator, an internally depressed reflector and camera mounting means co-operatively associated with said reflector for securing a camera in front of and at an open side of said reflector, said camera mounting means including a bracket comprising a body portion and arms rigidly extending outwardly therefrom for connection with the reflector.

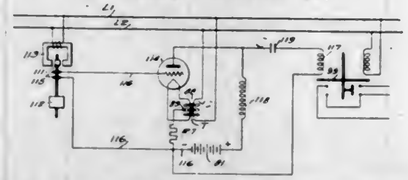
20,282

ELECTRICAL MEASURING AND REGULATING SYSTEM

Henry L. Bernarde, Kearny, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original No. 1,973,279, dated September 11, 1934, Serial No. 667,346, April 22, 1933, which is a division of Serial No. 620,387, July 1, 1932. Application for reissue June 5, 1936, Serial No. 83,728

15 Claims. (Cl. 171—95)



5. In an apparatus responsive to a variable condition, a source of alternative voltage, a primary measuring element, an inductive device comprising a magnetic structure having an air gap therein, an energizing winding connected to said source, said energizing winding being inductively associated with said magnetic structure, and a pick-up coil mounted for movement in said air gap, said pick-up coil being controlled by said primary element, an electronic device responsive to the voltage induced in said pick-up coil, and a translating device energized in accordance with an output condition of said electronic device.

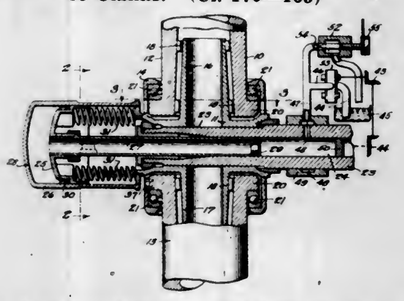
20,283

PROPELLER

Frank W. Caldwell, Hartford, Conn., assignor, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware

Original No. 1,893,612, dated January 10, 1933, Serial No. 366,051, May 25, 1929. Application for reissue January 9, 1935, Serial No. 1,029

35 Claims. (Cl. 170—163)



17. A controllable pitch propeller comprising a hub, blades journalled on the hub and constructed and arranged so that they will be turned in the direction to decrease their pitch angle by centrifugal force produced by rotation of the propeller, a piston, means connecting the piston to the blades, and means for introducing liquid under pressure, onto one side of said piston, to overcome the pitch changing action of centrifugal force on said blades and turn the blades to increase their pitch angle.

20,284

DEVICE FOR THE AFTER TREATMENT OF FILAMENTS

Conrad Herrmann, Wuppertal-Elberfeld, Germany, assignor to North American Rayon Corporation, a corporation of Delaware

Original No. 1,921,123, dated August 8, 1933, Serial No. 597,510, March 8, 1932. Application for reissue August 6, 1935, Serial No. 34,928. In Germany April 27, 1931

12 Claims. (Cl. 18—8)



1. In a device of the character set forth, a tank bottom, a standing perforated pipe rigidly con-

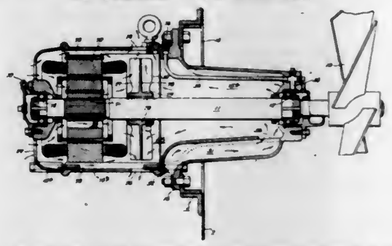
nected therewith, an inlet through the tank bottom through which treating liquids may pass, another inlet joining the said pipe at spaced intervals throughout its length, flexible gaskets surrounding the said pipe at spaced intervals, and inlets from the second named inlet pipe by means of which pressure may be applied within the gaskets in order to swell them.

20,285
DIRECT MOTOR DRIVE FOR DISK FANS

Alpheus O. Hurxthal, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania

Original No. 2,050,180, dated August 4, 1936, Serial No. 713,216, February 27, 1934. Application for reissue October 26, 1936, Serial No. 107,693

14 Claims. (Cl. 172—36)



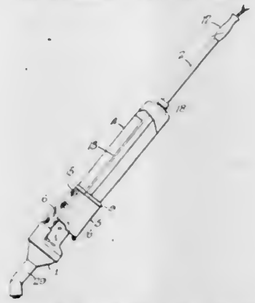
8. A direct motor drive unit comprising a rigid elongated unitary hollow housing, means extending transversely of and from the housing intermediate its opposite ends for solely supporting the unit, a one piece shaft extending longitudinally through and beyond one end of the housing, a pair of bearings respectively disposed at the opposite ends of the housing and affording the sole means of support for the shaft, driven means secured to the projecting end of the shaft adjacent one of said bearings, and a motor in the opposite end of the housing between the plane of the supporting means and the second of said bearings with the rotor of said motor mounted directly on said shaft.

20,286
FILTER AND DIRT DISPOSAL FOR ELECTRIC PUSH BROOMS

Ward Leathers, Haworth, N. J., assignor, by mesne assignments, to Quadrex Corporation, a corporation of Delaware

Original No. 1,916,006, dated June 27, 1933, Serial No. 563,508, September 18, 1931. Application for reissue June 22, 1935, Serial No. 28,026

10 Claims. (Cl. 15—16)



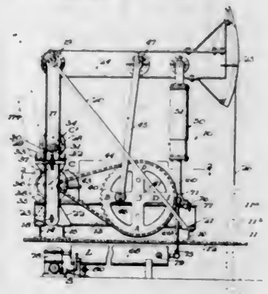
1. In a suction cleaner, an exposed motor-suction-unit, a handle rigidly attached thereto, a spider surrounding said handle, a filter joined to the upper side of said spider and in communication with the discharge outlet of the motor-suction-unit, and a dirt receptacle which communicates with said filter and is located between the lower side of said spider and the upper end of the motor-suction-unit.

20,287
WELL PUMP OPERATING MECHANISM

Edgar W. Patterson, Long Beach, Calif., assignor, by direct and mesne assignments, of one-half to Charles M. O'Leary, Hollywood, Calif., and one-half to Margaret D. Patterson, Long Beach, Calif.

Original No. 2,049,315, dated July 28, 1936, Serial No. 628,124, August 10, 1932. Application for reissue January 6, 1937, Serial No. 119,368

7 Claims. (Cl. 267—1)



7. A counterbalancing device for use with a well pumping mechanism including a walking beam in connection with and operating a pump rod, said device comprising the combination of a cylinder, piston and piston rod, constituting a cushioning means for the walking beam in its operation and a pressure actuated moving means and support for the said beam when the latter is stationary, a pressure tank having connection with said cylinder for supplying pressure thereto constantly during operation, means for maintaining a predetermined constant pressure in said tank, a manually controlled cut-off valve in said connections between the tank and cylinder, and a manually controlled exhaust valve for the cylinder located between the latter and the said cut-off valve, said valves being operable to disconnect the cylinder from the tank and to bleed the cylinder to the atmosphere whereby the walking beam may be raised and lowered under cylinder pressure in respacing the walking beam with respect to its pump rod.

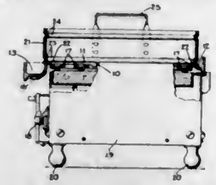
20,288
ELECTRIC COOKING DEVICE

Clarence W. Schroeder, Cicero, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York

Original No. 2,046,973, dated July 7, 1936, Serial No. 749,931, October 25, 1934. Application for reissue November 10, 1936, Serial No. 110,096

6 Claims. (Cl. 53—5)

1. A griddle comprising a cooking plate having a peripheral trough surrounding it, the plate and trough being related so that grease and other liquids can drain away from the food being cooked on said surface into said trough, means for heating said plate, and a detachable flange arranged to be fitted to the periphery of said cooking plate so as to provide depth to said griddle, whereby food stuffs can be piled upon said cooking plate to a considerable depth without danger of sliding or falling from said plate, said flange having a loose fit with said cooking plate



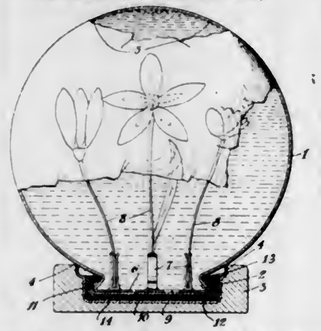
so that grease and other liquids can drain freely from said cooking plate to said trough.

20,289
FLOWER EXHIBITING DEVICE

Robert W. Simpson, New York, N. Y.

Original No. 2,046,854, dated July 7, 1936, Serial No. 46,129, October 22, 1935. Application for reissue November 11, 1936, Serial No. 110,318

14 Claims. (Cl. 47—41)



10. A device for containing and exhibiting an article comprising a water filled transparent container having an opening at the bottom thereof and being elsewhere closed to the atmosphere, the bottom of said container being provided with a depending portion having a smooth outside surface, a supporting base member therefor provided with an upstanding portion surrounding and overlapping the depending portion of said container, and means within said opening for engaging the article.

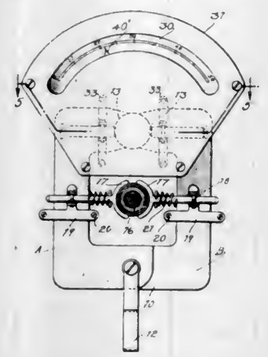
20,290
ELECTRICAL CURRENT TESTING INSTRUMENT

George B. Stanton, Brooklyn, N. Y.

Original No. 1,912,800, dated June 6, 1933, Serial No. 559,066, August 24, 1931. Application for reissue October 9, 1933, Serial No. 692,914

9 Claims. (Cl. 171—95)

1. An electrical measuring instrument comprising pivotally mounted magnetizable members having an air gap in the magnetic path thereof, an electrical indicating device having a tubular member being slidably supported in said air gap,



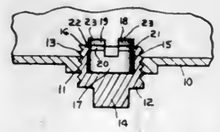
and resilient means for supporting an electrical conductor at a predetermined position between the magnetizable members.

20,291
MAGNETIC PLUG

Albert E. Bock, White Clay, Nebr., assignor to Lisle Corporation, Clarinda, Iowa, a corporation of Iowa

Original No. 1,944,208, January 23, 1934, Serial No. 594,251, February 20, 1932. Application for reissue December 16, 1935, Serial No. 54,792

2 Claims. (Cl. 209—215)



2. A drain plug for power transmission housings and the like having a threaded drain opening therein, comprising a shell exteriorly threaded for engagement in a transmission housing drain opening and having an integral nut on its outer end for turning the shell to remove and position the same relative to said drain opening, said shell having a recess in its inner end opposite said nut, a bifurcated magnetic core within said recess in said shell, the plug being of non-magnetic material, and an interlocking connection between the bifurcated portion of the magnet and the portion of the shell encircling the bifurcated portion of the magnet.

PLANT PATENTS

GRANTED MARCH 9, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

236

ROSE

Patsy A. Izzo, Glen Head, N. Y.

Application September 17, 1935, Serial No. 40,901

1 Claim. (Cl. 47—61)

The rose herein shown and described characterized particularly by being entirely thornless, the vivid pink coloration of its flower, and its ever blooming and hardy climbing quality.

237

FREESIA

Edward J. Schroeder, Perry Hall, Md., assignor of one-half to Roman J. Irwin, New York, N. Y.

Application April 28, 1936, Serial No. 76,847

1 Claim. (Cl. 47—60)

The variety of freesia herein shown and described, characterized particularly by its vigorous growth and profuse blooming habits resulting in the production of a large number of long and strong stems and flower spikes, the latter made up of exceptionally large flowers set close together, the flowers being mainly luminous white in appearance but marked with shades of lavender and yellow as described, and having excellent keeping qualities.

PATENTS

GRANTED MARCH 9, 1937

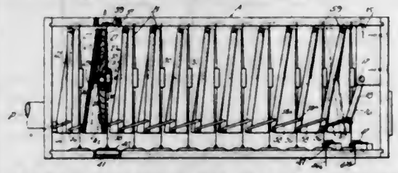
2,072,844

SWELL EXPRESSION ENGINE

John T. Austin, Hartford, Conn., assignor to The Austin Organ Company, Hartford, Conn., a corporation of Connecticut

Application March 18, 1933, Serial No. 661,474

8 Claims. (Cl. 121—48)



4. A swell expression engine for simultaneously controlling the movements of a plurality of cooperative shutters comprising a series of pneumatics, each of said pneumatics including a pair of oppositely disposed bellows having a common end member pivotally supported therebetween and arranged to angularly move with the alternate opening and closing of said bellows, manually operable means to individually and successively operate each of said pneumatics, an operative connection between the end members of the first of said pneumatics and the shutters whereby the pivotal movement of said end member will cause a predetermined initial movement to be imparted to the shutters, and operative connections including pivotally mounted links interconnecting each pair of movable members of said pneumatics in such manner that upon each successive operation of the pneumatics in one direction, a series of accumulative opening movements will be transmitted to the shutters, each succeeding movement as individually transmitted by one of said pneumatics being of greater magnitude than the preceding individual movement, and upon successive operation of the pneumatics in opposite direction, the shutters are closed in a series of accumulative movements, each of which is less than the preceding movement.

2,072,845

APPARATUS FOR SPRAYING PULVERIZED MATERIALS

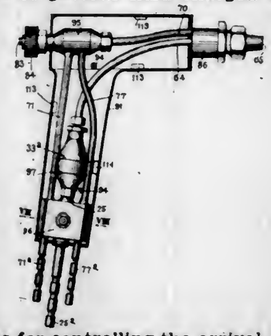
Francois Philippe Charles Benoit, Paris, France

Application July 19, 1934, Serial No. 735,993

In France November 18, 1933

6 Claims. (Cl. 91—12.2)

1. Apparatus for the projection of bodies in the pulverized and molten state reduced beforehand into impalpable powder, comprising a burner, said burner having means for receiving, among others, a gaseous fluid under pressure bearing said powder, said burner presenting an axial conduit, said conduit providing a way for the passage of the said gaseous fluid under pressure, said fluid being charged with the powders, nozzles arranged about said axial conduit for the passage of a mixture of gases, said mixture comprising a combustible gas and a combustion-supporting gas, an annular mixing chamber surrounding the said axial conduit, said chamber communicating with the said nozzles, means comprising an injector for supplying the said gas mixing chamber with a mixture comprising a combustion-supporting gas and a combustible gas, a conduit for the admission of the current of said combustion-supporting gas and said combustible gas, a conduit for the admission of the current of gaseous fluid charged with powders, means for controlling the arrival of the different fluids, a casing formed in two parts, all the said control means and the burner being mounted in and upon said casing, said casing being easily openable and having the general form of a pistol.



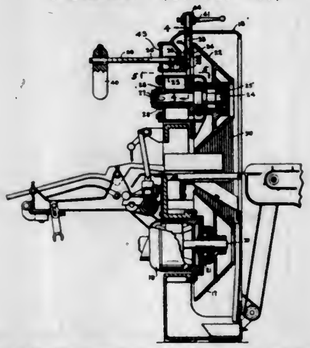
2,072,846

SLICING MACHINE

Samuel M. Blackburn and William L. Schellenbach, Wyoming, Ohio, assignors to The Fay-Egan Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio

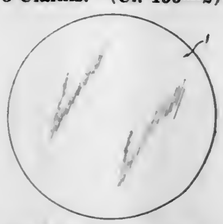
Application June 20, 1933, Serial No. 676,691

3 Claims. (Cl. 143—27)



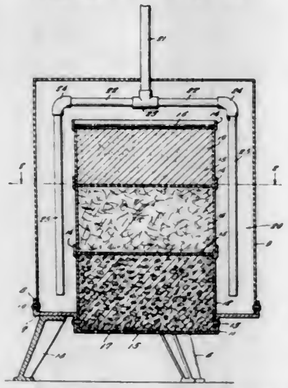
1. In a slicing machine, a frame, a pair of band wheels comprising an upper and a lower wheel, endless saws about said wheels, said upper wheel mounted on a bearing slidable in said frame, a fulcrum point on said frame, a fulcrum point extending from said bearing provided with a cam face, an extending rod having a contact with said fulcrum points being provided with a weight at its extending end for creating a tension between said wheels, a handle having a cam face co-acting with the cam face of said second named fulcrum turnable to relieve pressure on said saws and a stop for limiting the counter-clockwise movement of said rod when pressure is relieved.

2,072,847
METHOD OF MANUFACTURING RADIALLY CORRUGATED DISKS
John D. Bolesky, Attleboro, Mass., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application November 22, 1935, Serial No. 51,035
5 Claims. (Cl. 153—2)



1. The method of manufacturing radially corrugated snap-acting disks comprising preparing a blank in the form of a flat circular disk, corrugating the peripheral region of said blank in such manner that the blank assumes a cup-shape, cutting the bottom from said cup, and inwardly compressing the walls of said cup at one end thereof until the blank assumes a disk conformation in which the central portion is slightly displaced from the peripheral portion.

2,072,848
WATER FILTERING AND PURIFYING DEVICE
James T. Brown, Detroit, Mich.
Application March 16, 1936, Serial No. 69,205
3 Claims. (Cl. 210—98)



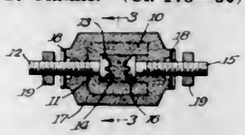
2. In a water filtering and purifying device of the class described, a portable stand comprising an annulus, supporting legs therefor, said annulus having a central apertured portion provided with a depending annular flange, and having its marginal portion provided with an upstanding annular rim, a casing closed at its top and open at its bottom, said open bottom resting on said annulus within the limits of said rim, means attaching the bottom of the casing to said rim, a filtering cartridge arranged concentrically within the casing and spaced from the wall of said casing, said cartridge depending through the centrally apertured portion of said annulus and being secured to said depending flange, the bottom of the cartridge being apertured and disposed flush with the lower edge of said flange, and a suction pipe leading into said casing.

2,072,849
SEARCHLIGHT WITH ELLIPSOID MIRROR
Friedrich Richard Dietrich, Pasing, near Munich, Germany
Application January 25, 1935, Serial No. 3,416
In Germany January 25, 1934
1 Claim. (Cl. 240—41.3)



A searchlight comprising a semi-ellipsoid mirror, a source of light at the focus thereof, and a concavo-convex lens secured to the mirror around the opening of the semi-ellipsoid and of substantially the same diameter as said opening, the concave face of said lens having concentric zones of correction of different radii of curvature and the convex face of said lens having groups of cylindrical flutes, the flutes in one group having a different radius of curvature from the flutes in another group.

2,072,850
LIGHTNING ARRESTER AND METHOD FOR MAKING THE SAME
Gustaf E. Andre, Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 4, 1934, Serial No. 746,884
10 Claims. (Cl. 175—30)



4. In a lightning arrester, means which acts as an electrical insulator at low voltages and an electrical conductor at high voltages, terminals electrically connected to said means, and a hermetically sealed casing of insulating material which is molded about said means and within which said means is permanently contained in contact with said terminals under predetermined compressive stress induced therein during the molding operation.

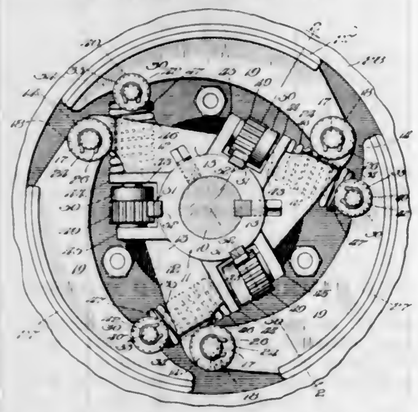
6. The method of making a lightning arrester which consists in positioning a quantity of granular material between opposed terminals in a suitable receptacle and then molding a casing around the receptacle and terminals to press said terminals into contact with said granular material with a predetermined force.

2,072,851
CIGARETTE HOLDER
Wilson Bailey, Philadelphia, Pa.
Application July 25, 1935, Serial No. 33,021
2 Claims. (Cl. 131—51)



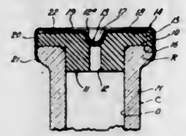
1. In a device of the character described, an integral structure embodying a finger embracing part, and a cigarette embracing part, the latter part developed from the former part in a loop extending from one side of the former part with a return bend ending in a free extension projecting across and spaced from the wall of the former part, said loop formation being open at one side and having a smooth rounded bead on its inner wall surface at the junction of the finger embracing part with the cigarette embracing part and within said open part.

2,072,852
CLUTCH
Percy H. Batten and William J. Pearmain, Racine, Wis., assignors to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application January 10, 1935, Serial No. 1,141
9 Claims. (Cl. 192—75)



1. In a clutch of the internally expanding type having a drum constituting a friction part, the combination of a hub, a friction shoe swingably mounted on the hub for engagement with the drum, a stem pivotally connected at one end to the shoe with its opposite end slidable through an arm on the hub, means for actuating the stem to move the shoe to release position, and a loading spring between the arm and shoe tending to move the shoe into engagement with the drum.

2,072,853
CLOSURE
Donald E. Baxter, Los Angeles, Calif.
Application December 1, 1934, Serial No. 755,565
12 Claims. (Cl. 215—47)



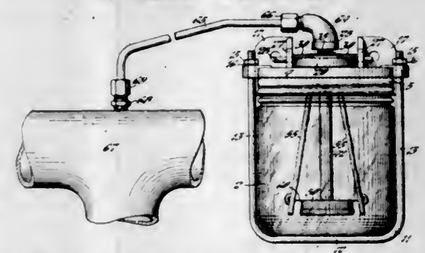
1. A closure for the opening of a container including a closure body closing said opening and having an opening in communication with the interior of the container, a flexible sealing member covering the outer end of the opening in the body and held in sealing engagement with the body and flexed into the opening in the body by the action of atmospheric pressure, and a cap permanently attached to the container engaging the sealing member to hold it on the body, the cap having an opening through which the flexed portion of the sealing member is exposed to be visible.

2,072,854
FUSE BOX AND FUSE
Nicholas J. Conrad, Winnetka, Ill., assignor, by mesne assignments, to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application November 11, 1929, Serial No. 406,313
19 Claims. (Cl. 200—117)



1. In a device of the class described, the combination of a tubular casing open at one end, a terminal closing the opposite end of said casing, a coiled spring disposed within the casing and secured at one end to said terminal, a movable terminal secured upon the opposite end of the spring, a conductor extending through the spring and connected at its opposite ends to said terminals, a lug on said movable terminal offset with respect to the axis of the casing and having a flat face substantially on the axis of said casing, a stud anchored in said lug and extending laterally from said face, a terminal on the outside of the casing adjacent the open end of the casing, a lateral stud anchored in said last terminal, and a fuse link connected to said first stud at substantially the axis of the casing and extending diagonally to the end of the side wall of the casing at the open end thereof, said fuse link extending around and tensioned on the end of the side wall of the casing and connected to the stud on the outside terminal.

2,072,855
LUBRICATING DEVICE
Andrew C. Danver, Providence, R. I.
Application December 13, 1934, Serial No. 757,365
15 Claims. (Cl. 123—196)



1. In an apparatus for supplying lubricant to an internal combustion engine, the combination with the intake manifold of the engine, of a reservoir for the lubricant, a measuring chamber for receiving and storing lubricant, capillary means for continuously transferring lubricant from the reservoir to the measuring chamber at

a predetermined rate, and a suction line extending from the measuring chamber to the intake manifold.

2,072,856

ARTIFICIAL FILAMENTS AND METHOD OF PREPARING THE SAME

Camille Dreyfus, New York, N. Y., and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application January 23, 1931, Serial No. 510,845
6 Claims. (Cl. 106—40)

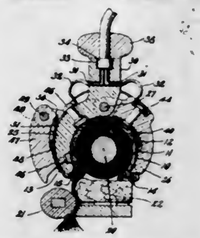
1. Delustered extruded artificial filaments, yarn or like artificial extruded products containing up to 10% of finely divided bismuth hydroxide.

2,072,857

PERMANENT WAVING APPARATUS

Hobart N. Durham, Munsey Park, N. Y., and George B. Finnegan, Jr., Mountain Lakes, N. J., assignors, by mesne assignments, to Eugene, Ltd., New York, N. Y., a corporation of New York

Application June 21, 1933, Serial No. 676,788
8 Claims. (Cl. 219—24)



3. A permanent waving appliance including in combination a clamp adapted to embrace a wound tress of hair, an electrolytic lotion-applying and heating device, and means for seating and holding said device within the clamp whereby the clamp and said device may be simultaneously placed about the tress.

2,072,858

PRODUCTION OF COLORATIONS ON MATERIALS

George Holland Ellis, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application March 25, 1933, Serial No. 662,823. In Great Britain April 28, 1932
11 Claims. (Cl. 8—5)

1. Process for the production of deeply colored cellulosic filaments, which comprises incorporating in a cellulosic spinning solution particles of a pigment of such nature and in such proportion as to impart to the filaments formed therefrom a neutral shade, spinning such solution into filaments and thereafter coloring the filaments with dyestuffs.

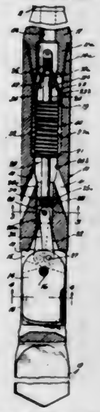
2,072,859

WALL SCRAPER

John Grant, Los Angeles, Calif.

Application November 25, 1935, Serial No. 51,378
9 Claims. (Cl. 255—76)

1. A well reaming tool comprising a tubular body, a cutter mounted within a slot in the body, a cutter operating plunger within the body and connected to said cutter, said plunger having a fluid passage through which circulating fluid is discharged into a passage extending through the wall of the body above said slots and opening



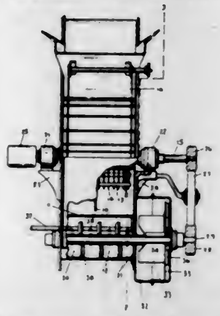
into the well, and means for discharging circulating fluid downwardly within the body below the last mentioned passage and into said slot.

2,072,860

FEED HAMMER MILL AND MOLASSES MIXER

Taylor G. Holland, Brookline, Pa., assignor, by mesne assignments, to The Bossert Company, Inc., Utica, N. Y., a corporation

Application May 29, 1934, Serial No. 728,056
2 Claims. (Cl. 83—11)



1. In a feed hammer mill and molasses mixer, the combination of a set of revolubly mounted hammers, a casing thereabout, a concave screen below said hammers, a trough-shaped chamber below said screen to receive the ground feed coming through the screen, a pipe connected to a supply of molasses and extending to said trough-shaped chamber and adapted to spray molasses upon the ground feed primarily as it falls from the screen in separated particles towards the bottom of said chamber, a blade-equipped shaft revolubly mounted in the trough of said chamber said blades mixing the molasses and the ground feed and tending to move said mixed feed towards the outlet end of said chamber, a thrower-blower fan revolubly mounted opposite the outlet end of the trough chamber and composed of radiating blades open at their sides towards the trough outlet and closed at their opposite sides by a back disk, the suction of said fan and the rotation of the blades in the trough chamber operating to keep said sprayed feed in suspension until the molasses is absorbed and mixed with

said feed, a fan casing about said thrower-blower and cleaning strips on the outer side of said back disk of the fan and projecting nearly to the adjacent face of the fan casing and preventing lodgement of feed between the back disk and the adjacent part of the fan casing.

2,072,861

PROCESSES FOR THE CATALYTIC HYDROGENATION OF DICARBOXYLIC ANHYDRIDE

William J. Amend and Euclid W. Bousquet, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 29, 1934. Serial No. 746,144
13 Claims. (Cl. 260—123)

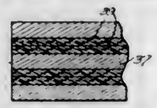
1. Process for the preparation of a lactone of a hydroxy acid, comprising heating an intramolecular anhydride of a dicarboxylic acid of the class consisting of aliphatic, aromatic and alicyclic acids while intimately admixed with hydrogen, in the presence of a catalyst from the group of hydrogenating metals and hydrogenating metal oxides intimately associated with an acidic oxide of a metallic element of the group consisting of chromium, vanadium, molybdenum, tungsten, titanium and uranium in a lower valence stage, at a temperature of 100° to 450° C.

2,072,862

GASKET

George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich., a corporation of Michigan

Application December 22, 1933. Serial No. 703,647
3 Claims. (Cl. 288—1)



1. A gasket for use in locations where it is necessary to prevent heat transfer from a high temperature source comprising a multiplicity of separate units, said units consisting of superposed layers of heat resisting cushion material and metal, the metal layers disposed between the cushion layers and having integral prongs for securing together said metal and cushion layers, the metal layers further having their edge surfaces exposed to facilitate heat dissipation, said gasket having a service opening formed therethrough, and means for securing the units together.

2,072,863

GASKET

George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Mfg. Company, Detroit, Mich., a corporation of Michigan

Application August 22, 1934, Serial No. 741,024
3 Claims. (Cl. 288—1)



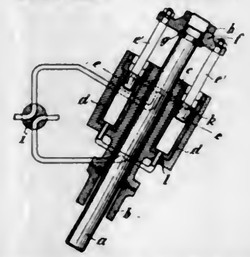
1. A gasket comprising a multiplicity of separate units, said units consisting of superposed layers of heat resisting cushion material and metal, the metal layers disposed between the cushion layers and having integral prongs for securing said cushion and metal layers together, said gasket having a service opening formed therethrough, means for securing the units together, certain of said layers having their outer peripheral edges compressed to present a substantially beveled peripheral gasket surface, the density of the cushion material increasing progressively from the wall surrounding the service opening to the peripheral edge of the gasket.

2,072,864

PRESSURE-CASTING APPARATUS

Alfred Bauer, Cannstatt-Stuttgart, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware

Application April 19, 1934, Serial No. 721,292
In Germany April 26, 1933
4 Claims. (Cl. 22—70)



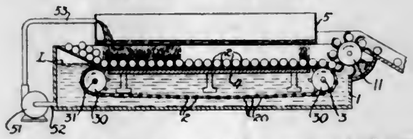
4. In a pressure-casting apparatus of the class described comprising a working plunger, a pressure-applying device including a plurality of fluid-pressure cylinders disposed laterally with respect to said plunger, pistons mounted within said cylinders, piston rods secured to said pistons, a cross-head connected to said piston rods, said cross-head having an opening therethrough, said plunger being disposed in said opening, said opening being larger than the greatest cross-section of the part of the plunger below said cross-head whereby said plunger is adapted to be withdrawn therethrough, and detachable means associated with said plunger and said cross-head for securing the plunger to the cross-head.

2,072,865

PROCESS OF WASHING FRUIT

Charles M. Bryant, Seattle, Wash.

Application May 7, 1928, Serial No. 275,910
6 Claims. (Cl. 99—103)



1. A fruit washing process for removal of spray residue which comprises substantially half submerging fruit in chemical spray residue dissolving washing solution, rotating the several pieces of fruit, and spraying the fruit with streams of said washing solution of diameter substantially equal to that of the average diameter of the stems of said fruit and freely falling under gravity head a distance less than six inches, said streams being spaced apart a distance less than the average diameter of the stem and calyx depression of said fruit.

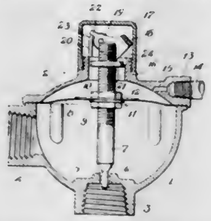
2,072,866

WITHDRAWN

2,072,867
CHEMICAL PROCESSES AND NEW PRODUCTS PRODUCED THEREBY
Wallace H. Carothers, Fairville, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 26, 1931, Serial No. 583,391
34 Claims. (Cl. 260—6)

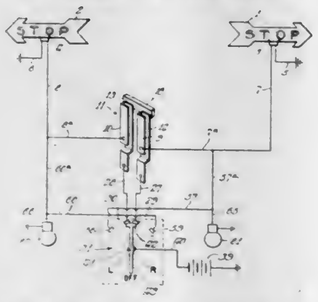
1. As a new compound, phenyl-2-butadiene-1,3.

2,072,868
CONTROL DEVICE FOR HEATING APPLIANCES
Elmer Ellsworth Chandler, Chicago, Ill.
Application May 27, 1935, Serial No. 23,549
2 Claims. (Cl. 137—153)



1. The combination with control device for heating appliances comprising a casing having entrance and exit ports, a valve in the casing controlling the entrance port, the valve being movable to an open position by gas pressure at the entrance port above a predetermined minimum, movable means automatically closing said valve when the gas pressure falls below said minimum, said movable means including a member supported by and movable on the casing and automatically locking the valve in closed position, and manually manipulative means for unlocking said valve locking means and restoring the latter to valve-releasing position, of means limiting the extent of movement in the valve-releasing direction of said locking means attributable to the manually manipulative means, and a cap removably engageable with the casing and rendering the manually manipulative means inaccessible, when in position.

2,072,869
SIGNALING SYSTEM
Harry A. Douglas, Bronson, Mich.
Application January 18, 1933, Serial No. 652,289
6 Claims. (Cl. 177—337)

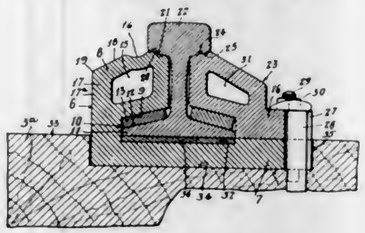


4. A signal system for automotive vehicles, comprising: a plurality of electroresponsive signal devices; selector switch means, including movable selector contact means, having several operative positions, and relatively stationary contact means cooperable with said selector contact means; auxiliary switch means, including auxiliary relatively stationary contact means and movable auxiliary contact means, cooperable with said auxiliary relatively stationary contact means; and means, including electrical connections, so constructed and arranged that when said selector switch means is in one of said positions, said auxiliary switch means and said selector switch means jointly control energization of said signal devices, and when said selector switch means is in others of said positions said selector switch means controls energization of said signal devices to the exclusion of said auxiliary switch means.

2,072,870
CELLULOSE DERIVATIVES
Henry Dreyfus, London, England
No Drawing. Application December 15, 1932, Serial No. 647,433. In Great Britain January 6, 1932
10 Claims. (Cl. 260—101)

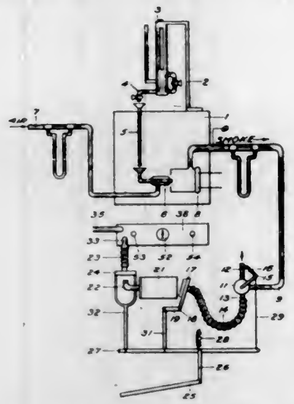
1. Process for the manufacture of nitrogen-containing cellulose derivatives which comprises reacting an organic base containing one or more replaceable hydrogen atoms attached to nitrogen with a derivative of cellulose containing an unsaturated grouping selected from the group consisting of cellulose ethers, carboxylic acid esters of cellulose and mixed cellulose ether-carboxylic acid esters.

2,072,871
RAIL END CONNECTER
Cliff Edwards, Beverly Hills, Calif.
Application June 12, 1933, Serial No. 675,399
Renewed April 21, 1936
5 Claims. (Cl. 238—195)



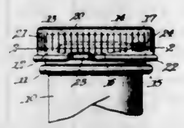
1. In a rail connecter, the combination of an elongated body member having a base to lie upon the cross ties and having an upward extension of elongated form, with a socket to receive the rail flange between the base and said upward extension, said upper extension having a seat face abutting against the under face of the rail head, a clamping member of elongated form opposite to said upward extension, means for bolting the same to the base, said clamping member having an upper face to seat against the lower face of the head, said socket having an inclined face adjacent to the upper face of the rail flange and said clamping member having an inclined face adjacent to the rail flange on the other side of the rail, and wedges between the rail flange and said inclined faces for clamping the upper faces of the body and the clamping member up against the under faces of the rail head, said wedges, said body and said clamping member being the sole means for securing the rail ends together.

2,072,872
APPARATUS FOR TESTING FILTERS
Leo Finkelstein, Baltimore, Md.
Application October 31, 1933, Serial No. 696,051
4 Claims. (Cl. 73—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



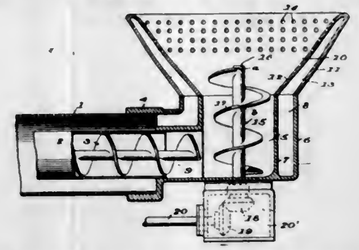
1. In an apparatus for successively testing a plurality of filters, a smoke conduit, a box for measuring the smoke passed through a filter, an entrance conduit and a suction pipe connected to said box, movable heads on said entrance conduit and said smoke conduit for engagement with the exit and inlet of a filter, and manually operable means for simultaneously engaging said heads with a filter to be tested.

2,072,873
LUG CAP AND GLASS THREAD
Frederick E. Fusting and Edward M. Enkur, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application October 11, 1932, Serial No. 637,344
1 Claim. (Cl. 215—44)



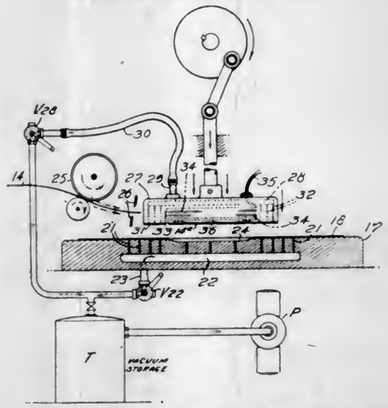
In combination with a container having elongated interrupted threads, a cap having a top and a crimped skirt provided with a rolled edge, inwardly projecting locking lugs of substantially less length than said threads formed in such circumferential relation in the rolled edge that when the cap is applied to the container the skirt will tend to collapse between lugs as the cap is turned to engage the lugs beneath the threads, and supplemental lugs projecting inwardly a distance equal to the inward projection of the locking lugs and of substantially less dimension than the threads, said supplemental lugs formed in the skirt above the locking lugs and so circumferentially spaced with respect thereto and to each other as to prevent collapse of the cap as it is turned on the container to engage the locking lugs under the threads, said supplemental lugs engaging the ends of the threads in end to end relation to limit the turning movement of the cap.

2,072,874
FURNACE
Myron B. Geiselman, Hanover, Pa.
Application September 12, 1934, Serial No. 743,742
2 Claims. (Cl. 110—45)



1. A stoker mechanism of the character described including a fuel chamber, a fire pot, and means for conveying the fuel from the fuel chamber to the fire pot, said means including a vertical continuous spiral conveyor the upper flights of which are increased in width with respect to the lower flights, the upper surfaces of the increased portions of the upper flights being downwardly and outwardly beveled to provide surfaces on the upper flights one at an angle with respect to the other, one of said surfaces directing the fuel vertically while the other directs the fuel upwardly and outwardly towards the side wall of the fire pot.

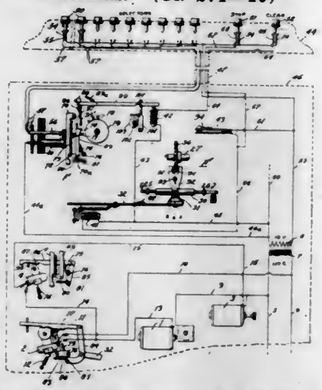
2,072,875
WINDOW ENVELOPE AND METHOD OF MAKING THE SAME
Robert L. Gray, Brooklyn, N. Y.
Application September 25, 1931, Serial No. 565,038
25 Claims. (Cl. 93—61)



9. The method of making window envelopes from an envelope blank and patch of dissimilar material which includes overlaying over the cut out portion of said envelope blank a flexible sheet of transparent material having a normally dry coating of a fusible adhesive material and fusing by heating the coating on the transparent material in the position aforesaid to unite the transparent sheet to the envelope.

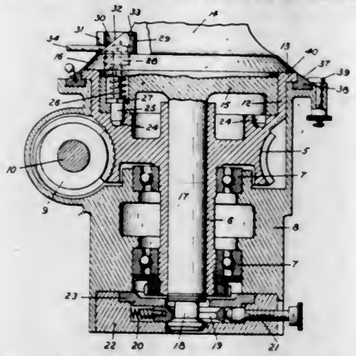
15. A window envelope comprising a separately attached patch of transparent material overlying a cut out portion of the envelope blank, said patch being united to the blank by fused adhesive in position adjacent the cut out portion of the envelope blank.

2,072,876
PHONOGRAPH CONTROL
Clifford H. Green, Grand Rapids, Mich., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application February 5, 1934, Serial No. 709,691
2 Claims. (Cl. 274—10)



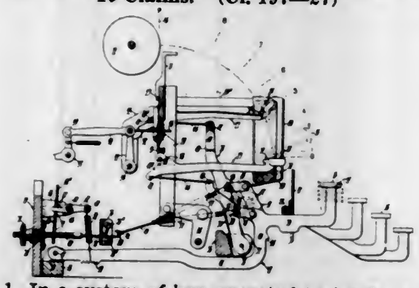
2. In an automatic multiple record phonograph, means for selecting a number of records to be played in succession comprising a releasable lever for each record, remote control means for actuating a driving motor to withdraw, play, and return a record after it has been played, and remote control manual means for cancelling the selections to be played at any time before all the previously selected records are played, said means comprising a universal bar mounted adjacent the levers for restoring the selected ones to normal position, a motor driven shaft having an eccentric thereon, an arm reciprocated by the eccentric, a notched bar connected to the universal bar and supported with its notch out of engagement with the said arm and a remote control solenoid for actuating the notched bar to bring its notch into a position to engage the end of the arm, thereby cancelling any and all remaining selections by returning the selected levers to normal position.

2,072,877
MOUNT
Samuel G. Green, Gray, Ga.
Application January 25, 1935, Serial No. 3,441
2 Claims. (Cl. 248—186)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



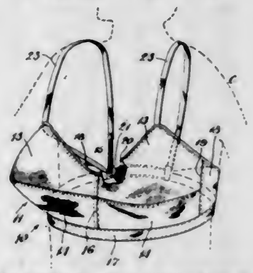
1. In a gun mount, a housing, a gear wheel mounted in the housing and having a socket in its upper part, the face of the gear wheel that forms the floor of the socket having a plurality of recesses, a standard having a base receivable in the socket of the gear wheel, a plunger mounted in the base of the standard, a spring normally urging the plunger into any one of the recesses, a bar on the upper end of the plunger, and a member on the standard having a cam surface and a recess adjacent the upper end of the cam surface, the cam surface and recess being engageable by the bar of the plunger.

2,072,878
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application February 23, 1935, Serial No. 7,679
10 Claims. (Cl. 197—27)



1. In a system of key-operated trains for actuating a set of typewriter type-bars; a series of type-key levers extending from a keyboard to a mean fulcrum-axis, a series of upstanding graded sub-levers connected to the type-bars, said sub-levers arrayed transversely of the machine at a zone between the keyboard and the key-lever fulcrum-axis, and a series of links connecting the key-levers and sub-levers at graded elevations, said links being arranged so that each link becomes inceasingly inclined to its sub-lever as the key-lever printing-stroke progresses, to thereby accelerate said sub-lever and its type-bar, the accelerating links being further arranged with their pivotal connecting points, to the sub-levers and to the key-levers, respectively, at substantially equal distances from said mean key-lever fulcrum-axis, thereby to conduce to uniformity in the acceleration of the several sub-levers and type-bars.

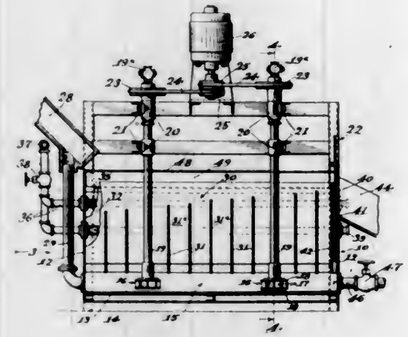
2,072,879
BRASSIÈRE
Adrienne Hirsch, New York, N. Y.
Application January 6, 1934, Serial No. 705,476
Renewed June 4, 1936
4 Claims. (Cl. 2—42)



1. In a brassière, two cup-shaped portions, each cup-shaped portion for receiving the breast

and comprising an upper section and a lower section, the upper section being made of a piece of cloth having a lower edge formed of two inwardly and downwardly diverging portions and the lower section being formed of a piece of cloth having an upper edge having two upwardly and inwardly diverging portions, the lower edge of the upper section being stitched to the upper edge of the lower section, and said lower edge of the piece which forms the upper section having a greater linear length than the upper edge of the piece which forms the lower section.

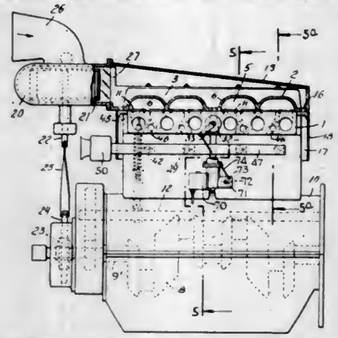
2,072,880
FLOTATION APPARATUS
Edward H. Hoag, Los Angeles, Calif.
Application August 17, 1934, Serial No. 740,243
3 Claims. (Cl. 209—169)



1. A flotation apparatus comprising a tank having upwardly and outwardly inclined side walls and a narrow chamber extending along the bottom thereof for removing the sand or heavy particles, impellers disposed in the narrow chamber of said tank for agitating pulp passing therethrough by distributing air into the same, a pair of longitudinally disposed partitions in said tank and forming an agitation chamber, lateral partitions disposed between said longitudinal partitions and forming a series of cells to move the pulp forwardly and retain the same for time contact, perforated pipes disposed in said tank for admitting air in small bubbles into the pulp for selective flotation, and means for controlling the volume of air through said pipes whereby the enrichment of the froth may be regulated.

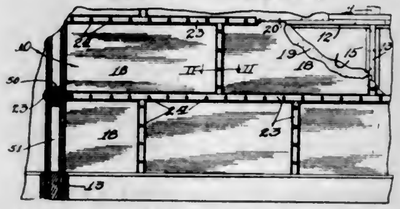
2,072,881
INTERNAL COMBUSTION ENGINE
Norman En Holm, New York, N. Y., assignor of one-half to Henry T. Lilliendahl, New York, N. Y.
Application October 7, 1933, Serial No. 692,601
10 Claims. (Cl. 123—171)

1. An internal combustion engine comprising a plurality of cylinders, a cylinder head for said cylinders, a casing arranged over said head, a blower for feeding air through the space between said head and said casing, a connection from the crank case of the engine to said blower to exhaust air from said crank case, the valve spring housings of said engine being provided with openings to permit inflow of atmospheric air therein, and the cylinder walls adjacent said valve spring housings being provided with openings whereby



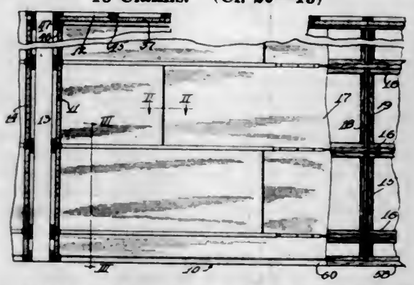
air may flow from said valve spring housing into said crank case.

2,072,882
ENAMELED METAL WALL CONSTRUCTION
William Hogenson, Hinsdale, Ill., assignor to Chicago Vitreous Enamel Product Co., Cicero, Ill., a corporation of Illinois
Application August 30, 1934, Serial No. 742,029
15 Claims. (Cl. 189—85)



1. A wall structure comprising structural members, wooden strips positoned thereagainst, insulation board positioned against said members and abutting said strips, metal sections overlying said insulation board with their edges extending along said strips, trim concealing said edges and means securing said trim to said strips.

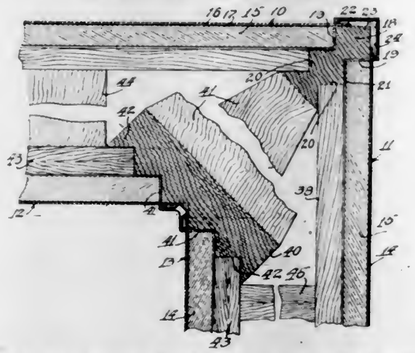
2,072,883
ENAMELED METAL WALL CONSTRUCTION
William Hogenson, Hinsdale, Ill., assignor to Chicago Vitreous Enamel Product Co., Chicago, Ill., a corporation of Illinois
Application August 9, 1935, Serial No. 35,436
15 Claims. (Cl. 20—15)



1. A wall structure comprising structural supporting members having longitudinally extending slots containing caulking, insulation panels abutting said strips and metal plates adhesively

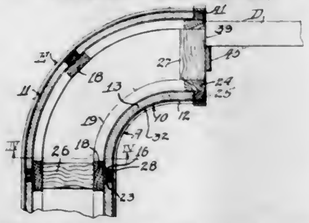
secured to said panels and having integral flanges extending into and embedded in said caulking.

2,072,884
ENAMELED METAL WALL CORNER CONSTRUCTION
William Hogenson, Hinsdale, Ill., assignor to Chicago Vitreous Enamel Product Co., Chicago, Ill., a corporation of Illinois
Application August 9, 1935, Serial No. 35,437
10 Claims. (Cl. 189—85)



1. A wall corner structure comprising a member having a series of rectangular V-shaped grooves, metal veneer panels of insulation board adapted to fit edgewise into said grooves with the edges of the metal veneer overlying corner faces of said member, angularly shaped metal strip overlying adjacent edges of metal veneer panels at said corner faces and secured to said member and a cover strip over said metal strip.

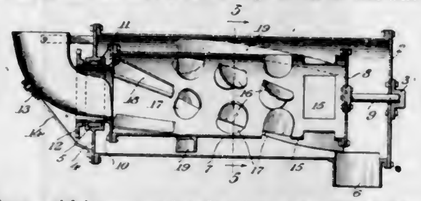
2,072,885
ENAMELED METAL WALL CORNER STRUCTURE
William Hogenson, Hinsdale, Ill., assignor to Chicago Vitreous Enamel Product Co., Chicago, Ill., a corporation of Illinois
Application August 9, 1935, Serial No. 35,438
3 Claims. (Cl. 189—85)



3. Metal veneer corner structure comprised of spaced vertical supporting members having lengthwise extending face strips, curved furring secured to said vertical members and also having lengthwise extending face strips, parallel sets of said strips having keying grooves, metal veneer panels positioned between the horizontal and vertical face strips with the metal veneer overlying said strips, some of said panels having flanges extending into said keying grooves and caulking in said keying grooves to provide tight joints.

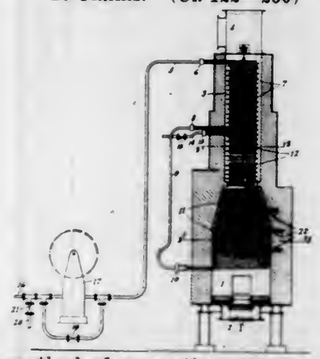
2,072,886
CEMENT MIXER
Elmer H. Hollis, Ada, Okla.
Application November 27, 1935, Serial No. 51,890
2 Claims. (Cl. 83—73)

1. A mixing device comprising an outer casing, an inner casing journaled in the outer casing and spaced from the walls thereof and having a material receiving opening, a hopper in communication with said opening, means for rotating the inner casing, a discharge neck in the outer



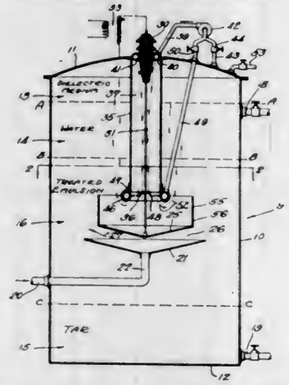
casing, said inner casing having a series of openings, extensions formed on the inner casing and located adjacent certain of said openings, and means carried by the inner casing to agitate materials in said inner casing and in said outer casing.

2,072,887
FORCED FLOW GENERATOR AND METHOD OF OPERATING SAME
Howard J. Kerr, Westfield, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Continuation of application Serial No. 450,348, May 7, 1930. This application July 22, 1932, Serial No. 623,983
10 Claims. (Cl. 122—250)



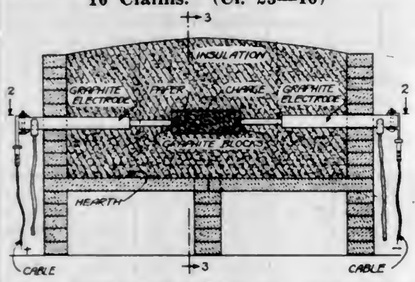
1. A method of generating superheated vapor in a vaporizer including a furnace and a flow path continuous from fluid inlet to superheated vapor outlet and composed of a plurality of long, small-bore fluid flow conduit portions arranged for flow in parallel, said path including a steam generating and a superheating portion, said vaporizer having fluid forced therethrough from liquid inlet to superheated vapor outlet, which comprises supplying working medium to the vaporizer at a pressure substantially higher than the desired working pressure of the superheated vapor, utilizing the difference between supply and working pressures to force said working medium through the vaporizer with continuously decreasing pressure from inlet to outlet, said flow path having an extremely large ratio of surface to cross-section, releasing heat by combustion of fuel in the furnace and passing the gaseous products in heat transfer relation to said flow path at heat release rate and gas flow rate sufficiently high in relation to the ratio of surface to cross-section of said flow path to evaporate and superheat said working medium in said flow path before it issues from the end thereof, and equalizing the heat content per pound of working medium entering the several conduit portions in parallel intermediate the vaporizer inlet and outlet with respect to following conduit portions and at a location in advance of the superheating portion of the flow path.

2,072,888
METHOD OF AND APPARATUS FOR PROTECTING INSULATING BUSHINGS OF A DEHYDRATOR
Clarence F. Kiech, Pasadena, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California
Application March 26, 1934, Serial No. 717,397
23 Claims. (Cl. 204—24)



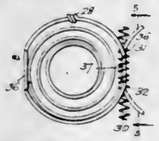
1. In an electric treater, the combination of: a tank; electrode means in said tank for establishing an electric field therein; an insulator means in said tank; an open-ended boot in said tank between said insulator means and said tank, said boot providing a chamber between itself and said insulator means, there being a space in one end of said tank around said boot, said space containing a dielectric medium; and circulation means for setting up a closed circulation of said dielectric medium by continuously withdrawing dielectric medium from said space and introducing same into said chamber, at least a portion of said dielectric medium flowing from the open end of said boot and moving into said space.

2,072,889
ZIRCONIUM OXIDES AND METHOD OF MAKING SAME
Charles J. Kinzie and Donald S. Hake, Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
Application March 1, 1934, Serial No. 713,537
10 Claims. (Cl. 23—16)



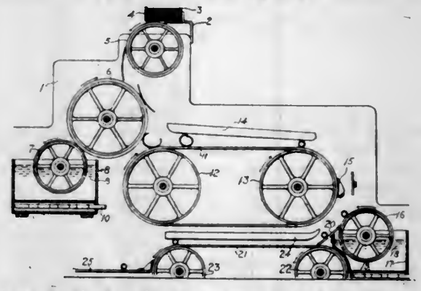
1. The method of making a crystalline zirconium oxide from zirconium silicate which comprises heating said silicate enveloped in an insulating mix in an electric resistance furnace with substantially complete expulsion of silicon compounds, and calcining the mass so as to produce said zirconium oxide more than 99.50% ZrO_2 in the form of synthetic baddeleyite with traces of titanium and iron but no silicon.

2,072,890
SPRING CUSHION
Edward A. Krims, Chelsea, Mass., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York
Application August 22, 1935, Serial No. 37,314
1 Claim. (Cl. 5—269)



In a spring cushion, a pair of adjacent upright wire coil springs each having an upper and a lower end coil of the same diameter, the terminal portion of each end coil being secured to the adjacent part of the next succeeding coil, each of said coils having a pair of diametrically offset portions in spaced relation to said terminal portion, each of the offsets being arranged in a plane parallel to the axis of the spring and including a horizontal portion of substantial length, one of the offsets of said pair being longer than the other, and deeper than the other by an amount substantially equal to the thickness of the wire of said springs, the horizontal portion of the shorter offset of one spring interfitting with and resting on the horizontal portion of the longer offset of the adjacent spring to arrange the corresponding end coils of the springs in the same horizontal plane, the interfitting offsets being arranged in the same vertical plane whereby one of said offsets directly transmits vertical pressure in one direction to the other of the offsets, and a connecting spring threaded about said horizontal portions of the offsets and having an internal diameter substantially equal to the combined thicknesses of said horizontal portions.

2,072,891
METHOD OF MAKING PAPER STRAWS
Louis La Veck, Brooklyn, N. Y.
Application October 30, 1935, Serial No. 47,499
1 Claim. (Cl. 93—94)



A method of making paper straws from separate strips of paper relatively narrow with respect to the length of the strips, consisting in advancing the strips individually with the length of the strips crosswise with respect to the direction of

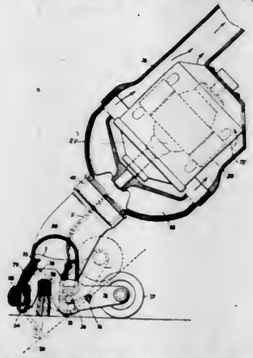
subsequent movement of the strips, subjecting the strips to a transverse rolling operation wherein during the movement of the strip before the actual rolling takes place each strip is treated with a heated fluid on one face causing the strip to become transversely curved in the direction it is to be rolled, rolling the strips without internal support in a horizontal direction into lengthwise tubular form, subjecting the tubes to a gradually contracting rolling operation to reduce the diameter thereof, applying heated wax to the tubes, and further rolling the tubes.

2,072,892

SELF ALIGNING VACUUM CLEANER NOZZLE

Ward Leathers, Haworth, N. J., assignor to Quadrex Corporation, a corporation of Delaware

Application April 27, 1932, Serial No. 607,781
Renewed August 23, 1935
8 Claims. (Cl. 15—16)



1. In a suction cleaner, a motor-driven suction-unit rigidly joined to the handle of said cleaner, a flexible nozzle housing, a rigid cross-member within said nozzle housing, a leaf spring firmly held at one end by the housing of said suction-unit and joined at the other end to said cross-member, and a rocker member disposed within said nozzle housing hinged to the rigid cross-member on a horizontal axis towards the back of said nozzle housing, said rocker member at its margin being in slidable, substantially air-tight cooperation with the adjacent interior walls of the nozzle housing, the body of said rocker member having an opening therethrough serving as the suction mouth of the cleaner, said rocker member further having a rearwardly projecting arm supporting a floor wheel at its rearward end for keeping the suction mouth of the rocker member adjacent the floor.

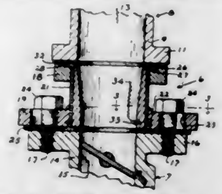
2,072,893

CARBURETOR CONNECTION

William B. Lee, Oakland, Calif., assignor to Rock-Lee Products Co., Oakland, Calif., a copartnership consisting of said William B. Lee and George W. Rock

Application November 17, 1934, Serial No. 753,471
7 Claims. (Cl. 285—198)

1. In means for connecting a tubular discharge nozzle of a fuel carburetor with a tubular receiving nozzle for the fuel intake passage of an internal combustion engine for mutual rotative adjustment, said nozzles being provided with terminal radial flanges fixedly related thereto, a connector means comprising a nipple for connecting the ducts of said nozzles, and radial flanges mounted on said nipple for fixed and sealed connection with the opposed flanges of the different said nozzles to lock the nipple and nozzles against relative rotation, one of said connector flanges



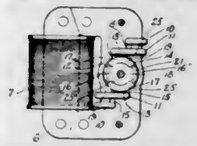
being swivelled to said nipple for rotative adjustment with respect to the other connector flange whereby the mounted carburetor may be rotatively adjusted to any desired degree with respect to the said receiving nozzle.

2,072,894

SYNCHRONOUS MOTOR

Edgar D. Lilja, Rockford, Ill., assignor to Howard D. Colman, Rockford, Ill.

Application November 21, 1931, Serial No. 576,445
Renewed May 31, 1935
8 Claims. (Cl. 172—278)



1. A self-starting synchronous motor comprising, in combination, a cylindrical rotor core of magnetic iron having two salient poles extending throughout its length and a squirrel-cage winding on said core, a field member having magnetic poles annularly spaced around said core, shading coils on said poles for producing shifting of the magnetic field around the recess defined by said poles, and an extension of each unshaded pole tip closely following the rotor surface and providing a substantially closed magnetic connection with the shaded side tip of the adjacent pole.

2,072,895

PRODUCTION OF CONCENTRATED MAPLE FLAVOR

Albert A. Lund, New York, N. Y.

No Drawing. Application August 31, 1935, Serial No. 38,851
7 Claims. (Cl. 99—142)

7. A process for treating maple flavor-bearing crystal aggregates to produce a concentrated maple flavoring material therefrom which comprises penetrating the solid crystal aggregates with steam to strip the flavor-bearing materials from said crystals, dissolving said flavor-bearing materials in the steam condensate and centrifugally separating the resulting solution from the stripped crystals.

2,072,896

COVER FOR THE SPARE TIRES OF AUTOMOBILES

George Albert Lyon, Allenhurst, N. J., assignor to Lyon Incorporated, Asbury Park, N. J., a corporation of Delaware

Application April 20, 1929, Serial No. 356,688
Renewed January 4, 1935
12 Claims. (Cl. 150—54)

1. In a multi-part tire cover, a side plate-like part for disposition over only a side of a tire, and a peripheral or tread covering member of transverse convex curvature for disposition over the tread of the tire and formed to extend from said side part over substantially only the tread of the tire, said member being so proportioned and of such cross sectional shape as to have only a shift-



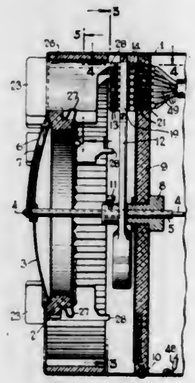
able line contact with said side part at one side of the tread and a shiftable line contact with the other side of said tread, said tread covering member having an intermediate portion of a greater radius of curvature than that of the marginal portions thereof to provide for said line contacts.

2,072,897

TIME CONTROL APPARATUS

Henry E. Marschalk, Jr., East Orange, N. J.

Application January 3, 1930, Serial No. 418,180
9 Claims. (Cl. 250—20)



8. The combination with a tuning device for a radio receiving apparatus, of a clock, electrical means for operating the tuning device, said electrical means including normally open electrical circuits adapted to be individually closed to control the setting of the tuning device, switch contacts for the circuits respectively, a rotary carrier for said contacts adapted to be rotated by the clock, keys adjustably held around the dial of the clock for selective engagement with the contacts at different time intervals whereby the circuits will be closed individually in any desired sequence and at any desired time intervals.

2,072,898

ROD JOINT OR COUPLING

James A. Martin, Roanoke, Va.

Application November 17, 1934, Serial No. 753,486
12 Claims. (Cl. 287—103)

11. A rod joint or coupling for sectional members adapted to be arranged in substantially longitudinal alignment, said members having interengaging connecting means, and one of said members being bent adjacent the connecting means to form a laterally off-set portion provided with spaced clamping means disposed substantially in longitudinal alignment with the connecting means



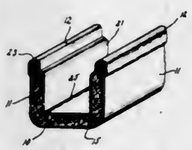
and adapted releasably to engage the opposite sides of the other of said members to maintain the members in longitudinal alignment when the joint is set up.

2,072,899

WINDOW RUNWAY OR CHANNEL

Carlos J. McKinney, Detroit, Mich., assignor, by mesne assignments, to The Standard Products Company, Cleveland, Ohio, a corporation of Ohio

Application December 5, 1933, Serial No. 700,998
3 Claims. (Cl. 296—44.5)



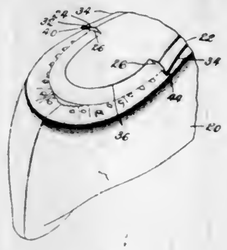
1. A window runway or channel, comprising a generally channel-shaped structure having a base and a pair of window-receiving side walls, and a window-cushioning resilient lining for said structure, said lining being formed of coarse inherently resilient bristles loosely entangled in mat-like form of substantially uniform density.

2,072,900

SHOE

Ralph S. Megathlin, Wollaston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application August 15, 1935, Serial No. 36,344
2 Claims. (Cl. 36—24.5)



1. A shoe provided with a sole having heel-breast receiving shoulders, each of said shoulders comprising an inner face which is substantially complemental to a portion of the breast of a heel to be attached to the shoe and an outer face which projects abruptly rearwardly of the sole from said inner face, said outer but not said inner faces being flexed forwardly of the sole under pressure of the upper breast corners of the heel so that the breast of the heel engages the inner faces of said shoulders.

2,072,901

MANUFACTURE OF SYNTHETIC RESINS

William Henry Moss, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application November 10, 1934, Serial No. 752,473. In Great Britain November 22, 1933

18 Claims. (Cl. 260—4)

1. The manufacture of synthetic resins, comprising reacting formaldehyde with the condensation product of a phenol with a halogenated aliphatic ketone.

2,072,902

MANUFACTURE OF COMPOSITIONS OF MATTER CONTAINING SYNTHETIC RESINS

William Henry Moss, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Original application November 10, 1934, Serial No. 752,473. Divided and this application March 19, 1936, Serial No. 69,663. In Great Britain November 22, 1933

9 Claims. (Cl. 134—26)

1. Compositions of matter containing an organic derivative of cellulose and a synthetic resin compatible therewith and obtainable by the reaction of formaldehyde with the condensation product of a phenol with a halogenated aliphatic ketone.

2,072,903

TREATMENT OF MILK PRODUCTS

Herbert E. Otting, Westerville, and Edwin H. Browne, Columbus, Ohio, assignors to M. & R. Dietetic Laboratories, Inc., a corporation of Ohio

No Drawing. Application January 9, 1933, Serial No. 650,886

13 Claims. (Cl. 99—60)

9. The cyclic method of operation to effect removal of calcium and phosphate ions from aqueous solutions containing the same which comprises contacting such solutions in acid state with an active exchange silicate material carrying adsorbed calcium and phosphate ions, separating the spent exchange material, subjecting it to the action of a solution of alkali containing an alkali metal salt of a weak acid and to a salt solution containing sodium and potassium salts, and subsequently contacting the reactivated exchange silicate material with additional acid aqueous solution containing calcium and phosphate ions to remove calcium and phosphate ions therefrom and supply sodium and potassium ions thereto.

13. The method of preparing a milk product for food purposes which comprises acidifying a liquid milk product by adding thereto a small proportion of citric acid, and contacting the acidified liquid milk product with an active exchange silicate material carrying removable sodium and potassium ions in controlled proportions, whereby a product is obtained of reduced calcium and phosphate ion content with a high alkaline ash and having a controlled proportion of sodium and potassium salts.

2,072,904

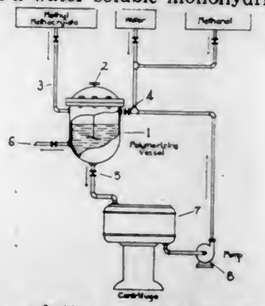
POLYMERIZATION OF ORGANIC COMPOUNDS

Emil D. Ries, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application April 26, 1933, Serial No. 667,984

11 Claims. (Cl. 260—2)

2. Process of polymerizing methyl methacrylate which comprises subjecting to polymerizing conditions a clear solution of methyl methacrylate, water, and a water soluble monohydric aliphatic



alcohol, the solution containing the maximum quantity of water, which at the temperature of polymerization will yield a clear solution of the monomeric methyl methacrylate.

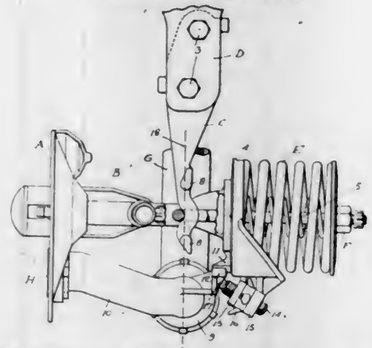
2,072,905

AUTOMATIC TRAIN PIPE CONNECTER

Joseph Robinson, New York, N. Y., assignor of one-half to Roy M. Wolvin, Montreal, Quebec, Canada

Application August 29, 1934, Serial No. 741,988
Renewed June 19, 1936

7 Claims. (Cl. 285—58)



1. An automatic train pipe connecter comprising in combination, a coupling head, a bracket on which said head is pivotally supported, a train pipe hose for directing a fluid to said head, and means for connecting said hose with said head with the minimum of movement of said hose and with the minimum of service strains on both the hose and the head when said head is coupled, said means including a conduit extending rearwardly from said head with its rear end disposed, when said head is coupled, in approximately a vertical plane passing through the pivotal point of said head on said bracket, said rear end of the conduit being connected with the train pipe hose.

2,072,906

FILTERING AND COLLECTING APPARATUS

William A. Rosenberger, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland

Application August 11, 1933, Serial No. 684,738

24 Claims. (Cl. 183—59)

24. In a filtering apparatus, a partition member having an aperture therein, a hollow filter unit having an open end through which a filtrable medium is adapted to pass, means for securing said filter unit to said partition member with the open end thereof in registry with said aperture, a rotatable beating device disposed within said unit and extending through the aperture in



said partition, said beating device being journaled for rocking movement in the end of said unit remote from said partition member, and actuating means connected to said beating device exteriorly of said filter unit.

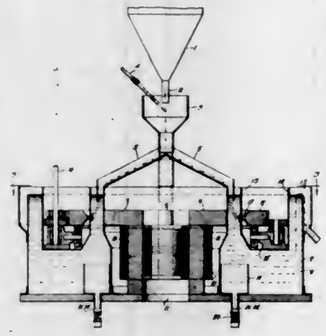
2,072,907

CONCENTRATION OF ORES BY ELECTROMAGNETIC SEPARATION

Lewis G. Rowand, Brooklyn, N. Y.

Application December 2, 1932, Serial No. 645,459

9 Claims. (Cl. 209—221)



1. Apparatus for the separation of materials comprising in combination, a container, a plurality of open compartments in the bottom of said container, at least one pair of electromagnetic poles disposed in spaced relationship in a horizontal plane adjacent the outer face of one wall of said container, a movable armature disposed in substantially the same horizontal plane adjacent the outer face of the opposite wall of said container, fluid filling said container, means to feed said material to the surface of said fluid immediately above the space gaps between said poles and armature, means to move said armature in a horizontal plane from one pole towards the other, and means to maintain the fluid level in said container substantially constant.

6. The method of magnetically separating materials which comprises dropping said material through a column of fluid sustained in a stationary receptacle enclosing the space gap between a horizontally movable armature and a stationary electro-magnetic pole, thereby attracting the magnetical particles of said material to the inner face of a wall of said receptacle next adjacent the said armature and horizontally moving the same therealong to a point removed from the path of fall of the non-magnetic particles of said material.

2,072,908

NAPHTHOXO-TRIMETHINE CYANINES

Wilhelm Schneider, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

No Drawing. Application December 13, 1933, Serial No. 702,260. In Germany December 17, 1932

6 Claims. (Cl. 260—44)

1. A bis-[3- alkyl-naphtho - 3′,2′:4.5 - oxazole-(2)]-trimethine-cyanine salt.

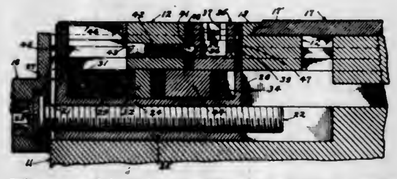
2,072,909

PLATE CLAMP FOR PRINTING MACHINES

William Stephenson, Rutherford, N. J., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application June 22, 1932, Serial No. 618,651

20 Claims. (Cl. 101—378)



1. The combination with a printing cylinder having a printing plate thereon, of a plate clip slidably mounted on the cylinder, a locking pin rotatably mounted in the clip, an eccentric forming part of the locking pin, a spring carried by the cylinder and adapted to be flexed by the eccentric, and means for rotating the locking pin whereby the plate clip is projected and engages the printing plate with a yielding pressure.

2,072,910

ALLOY

Enrique G. Touceda, Albany, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York

No Drawing. Application May 17, 1935, Serial No. 21,938

6 Claims. (Cl. 75—171)

1. An alloy comprising chromium, nickel, cobalt and beryllium as essential alloying ingredients, the chromium content being from 10% to 35%, the beryllium content being from 0.1% to 5%, and the balance being substantially nickel and cobalt each between 20% and 50% with a combined nickel and cobalt content of from 55% to 80%; said alloy being characterized by a higher yield point, a substantially greater fluidity at casting temperatures, and a cleaner surface in the "as cast" condition than it would otherwise have without the beryllium.

2,072,911

ALLOY

Enrique G. Touceda, Albany, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York

No Drawing. Original application May 17, 1935, Serial No. 21,938. Divided and this application June 2, 1936, Serial No. 83,078

6 Claims. (Cl. 75—171)

1. An alloy comprising chromium, nickel, cobalt, molybdenum and beryllium as essential alloying ingredients, the chromium content being from 10% to 35%, the beryllium content being from 0.1% to 5%, the molybdenum content being from 0.1% to 8%, and the balance being substan-

tially nickel and cobalt each between 20% and 50% with a combined nickel and cobalt content of from 55% to 80%; said alloy being characterized by a higher yield point, a substantially greater fluidity at casting temperatures, and a cleaner surface in the "as cast" condition than it would otherwise have without the beryllium.

2,072,912

LOAD INDICATING SYSTEM

Gerd S. von Heydekampf, Ridley Park, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware

Application June 29, 1933, Serial No. 678,240
21 Claims. (Cl. 265—47)



1. A system for weighing and indicating the load of a hydraulic load producing apparatus comprising, in combination, a weighing mechanism including a force resisting element and load responsive means acting against said element and operated by fluid pressure; means for transmitting load weighing pressure fluid thereto; mechanism for indicating the weighed load; and means whereby the effective pressure area of said responsive means may be varied to effect different load ranges for said weighing mechanism.

2,072,913

INTERMEDIATE FOR PREPARATION OF HORMONES AND PROCESSES FOR ITS PRODUCTION

John Weijlard, Rahway, N. J., assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application March 24, 1936, Serial No. 70,673
3 Claims. (Cl. 260—131)

1. The process for the production of Δ5,6-3-chlor-etio-cholenone-(17), which comprises reacting upon dehydroandrosterone with phosphorus pentachloride.

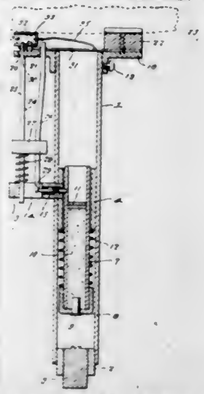
2,072,914

SIGNAL

John S. Wilder, Kenosha, Wis.

Application April 2, 1936, Serial No. 72,381
5 Claims. (Cl. 116—98)

1. A signal of the class described comprising a barrel open at one end, a firing pin in the other end of said barrel, an element projecting into the barrel, a container, for the reception of an explosive, slidably mounted in the barrel and including an igniting cap engageable with the firing pin, a coil spring operatively engaged with the container for driving said container toward the firing pin, said container having a socket therein, a slidably mounted detent engageable in the socket for releasably securing the container against the action of the spring, and a trigger



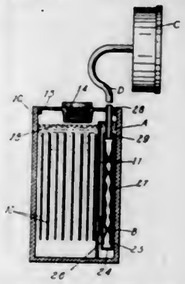
for releasably securing the detent in the socket, said container further having a substantially tapered slot extending thereinto from one end thereof for the reception of the element for positioning the socket in alignment with the detent.

2,072,915

BATTERY CONDITION INDICATING SYSTEM

Bernhard Willach, Emerson Aschenbach, Frank S. Gruver, and Maximilian Klein, Sellersville, Pa., assignors to United States Gauge Company, New York, N. Y., a corporation of Pennsylvania

Application June 16, 1932, Serial No. 617,646
15 Claims. (Cl. 136—182)



1. A wet battery for a vehicle designed to receive means to indicate the condition thereof comprising a pilot cell formed in the battery by a wall slightly higher than the normal height of the electrolyte in the battery, said wall arranged to form a relatively large opening through which the electrolyte may splash to fill the cell to a constant level upon acceleration or deceleration of the vehicle.

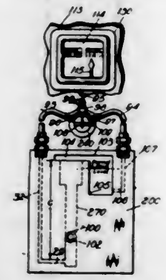
2,072,916

SPECIFIC GRAVITY INDICATOR FOR STORAGE BATTERIES

Bernhard Willach, Emerson Aschenbach, Frank S. Gruver, and Maximilian Klein, Sellersville, Pa., assignors to United States Gauge Company, New York, N. Y., a corporation of Pennsylvania

Application June 20, 1933, Serial No. 676,746
16 Claims. (Cl. 265—44)

1. For use in an indicating system embodying a gauge designed to afford indications of the condition of a body of liquid, a connection unit designed for insertion in the body of liquid, said unit comprising a flat comparatively thin body member having a substantially vertical liquid chamber and having a small horizontal internal



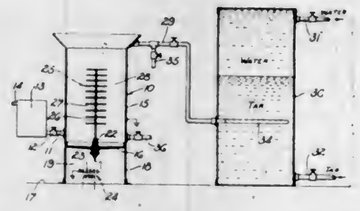
passageway in direct intersection with said chamber at a point below the liquid level of the latter whereby said passageway is placed under pressure, said passageway being of considerable length, and means adapting said passageway for connection with the gauge.

2,072,917

METHOD OF AND APPAPARATUS FOR ELECTRICALLY TREATING TAR EMULSIONS

William Woelflin, Long Beach, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California

Application February 12, 1934, Serial No. 710,857
12 Claims. (Cl. 204—24)



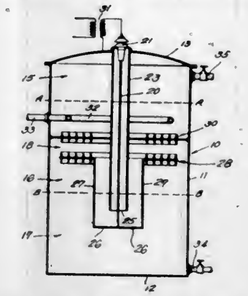
1. In an electric treater for treating mixtures in which the continuous phase comprises a liquid of relatively poor electrical conductivity and the dispersed phase comprises a relatively more conducting liquid of a density less than the liquid of said continuous phase, the combination of: a container; electrode means for setting up an electric field in a lower portion of said container of sufficient intensity to coalesce said dispersed phase, said container providing a separating zone in which said coalesced phase can rise through said liquid forming said continuous phase to form a body of liquid in an upper portion of said container, leaving a body of said liquid of relatively poor conductivity in the lower portion of said container; an insulator means in said lower portion of said container and supporting at least a portion of said electrode means, said insulator means being in the zone occupied by said body of liquid of relatively poor conductivity; and means for withdrawing said liquid phase of relatively poor conductivity from said container, said means being positioned adjacent said insulator means to withdraw said liquid phase from the vicinity thereof thereby washing said insulator means with a stream of said liquid phase.

2,072,918

METHOD OF AND APPARATUS FOR INTRODUCING HIGH POTENTIALS INTO A DEHYDRATOR

William Woelflin, Long Beach, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California

Application March 26, 1934, Serial No. 717,396
13 Claims. (Cl. 204—24)



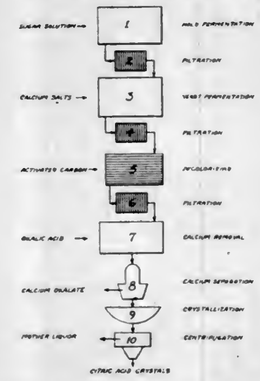
1. In combination in an electric dehydrator for emulsions containing a phase of material of high conductivity and a phase of material of low conductivity: a tank containing a body of said material of high conductivity in an upper portion thereof and a body of said material of low conductivity therebelow; a boot providing a lower end opening sidewise on the interior of said tank at a section below said body of material of high conductivity; an insulator means in said boot; conductor means associated with said insulator means and extending sidewise from said boot at said section; and electrode means in said tank and electrically connected to said conductor means.

2,072,919

PROCESS FOR PRODUCING CITRIC ACID

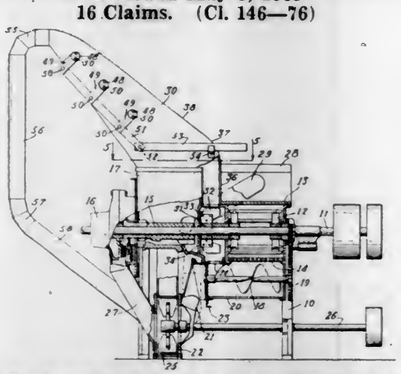
Justin Zender, Ardsley N. Y., assignor to Stauffer Chemical Company, New York, N. Y., a corporation of California

Application April 4, 1935, Serial No. 14,549
14 Claims. (Cl. 195—36)



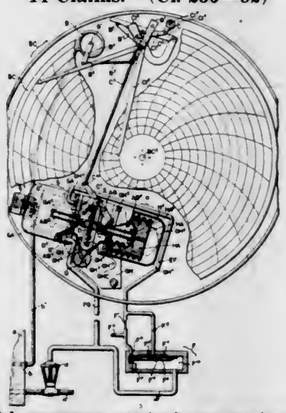
1. A process for producing citric acid comprising mold-fermenting a solution of a carbohydrate to citric acid, yeast-fermenting the residual carbohydrate in the presence of a catalyst comprising a soluble calcium compound, removing calcium from said solution, and recovering the citric acid by crystallization.

2,072,920
SEPARATOR ATTACHMENT FOR ROUGHAGE MILLS
John Holland-Letz, Crown Point, Ind., assignor to The Letz Manufacturing Company, a corporation of Indiana
Application May 9, 1930, Serial No. 451,101
Renewed May 8, 1935
16 Claims. (Cl. 146—76)



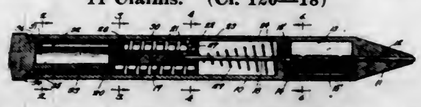
2. In a machine of the class described comprising a frame, a main shaft mounted on said frame, a cutter head mounted on said shaft, a grinding mechanism mounted on said shaft, means for conveying the material from said cutting mechanism to said grinding mechanism, elevating means mounted on said shaft for elevating the material conveyed by said conveying mechanism and a separator located above said elevating mechanism for separating the lighter material from the heavier material and permitting the heavier material to pass through said grinding mechanism.

2,072,921
FLUID PRESSURE CONTROL APPARATUS
Robert L. Mallory, Philadelphia, Pa., assignor to Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 26, 1935, Serial No. 42,212
14 Claims. (Cl. 236—82)



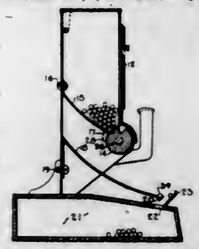
1. Fluid pressure control apparatus comprising a pressure space containing an elastic fluid under regulable pressure, means responsive to said pressure for controlling a variable condition, a valve adjustable to regulate said pressure, means for adjusting said valve in response to changes in said variable condition, and means for adjusting said valve in response to a change in said pressure, the last mentioned means comprising a member adapted to contract and expand in accordance with changes in said pressure, a second expansible and contractible member uniting with the first mentioned member to form an enclosed space, a third expansible and contractible member, a rigid connection between said second and third members, a fourth expansible and contractible member uniting with said third member to provide a second enclosed space and exposed to atmospheric pressure at its side external to said space, and a regulable flow passage connecting said enclosed spaces.

2,072,922
PENCIL
Clarence F. Norlin, Chicago, Ill.
Application August 19, 1935, Serial No. 36,873
11 Claims. (Cl. 120—18)



1. A pencil barrel; a lead magazine mounted in said barrel; a pencil tip having a lead bore and a reciprocating plunger in alignment with and arranged to feed leads from said magazine through said tip bore; rotatable means on said barrel for forwardly actuating said plunger in interlocked engagement; rotatable means for releasing said plunger from said forwardly actuating means; and automatic means for returning said plunger to its retracted position upon the completion of the forward stroke.

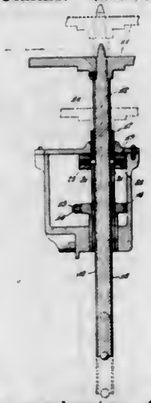
2,072,923
TOOTHPICK DISPENSING APPARATUS
Walter Schutsch, New York, and George Kaeding, Bronx, N. Y.
Application August 25, 1934, Serial No. 741,436
2 Claims. (Cl. 312—84)



1. A tooth pick dispensing device, comprising, in combination, a casing for the placement of tooth picks therein, said casing being formed with a sidewise projecting section, a turnable drum member mounted partly in the casing and partly in said projecting section, and a removable panel covering the front of said section, the drum member having a recess formed at an obtuse angle therein to receive any shape of a tooth pick to be expelled, said drum member being formed with a ridged portion for agitating the tooth picks, a slanting bottom arranged in the casing and adapted to co-operate with the drum member, a plate member arranged below said bottom and substantially parallel with the latter, one end of said plate member terminating in a substantially V-shaped end portion adapted to receive and hold a tooth pick therein, the other end of said plate member being bent upon itself to form a flange, whereby to attach said

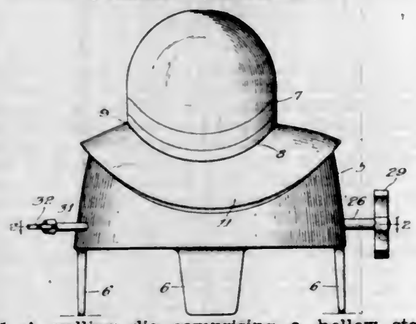
plate to the rear of the casing, a lever integral with a member mounted upon one side of the drum, a curved link connecting said lever to an operable arm terminating in a handle, said arm being pivotally mounted upon the casing, a spring connected to a stud formed upon the casing and to said arm for actuating the drum member, and a stop member arranged upon the casing for limiting the movement of said arm during operation.

2,072,924
CLUTCH
Paul H. Smyth, Jr., Chicago, Ill., assignor to Rock-Ola Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 24, 1935, Serial No. 3,202
5 Claims. (Cl. 64—29)



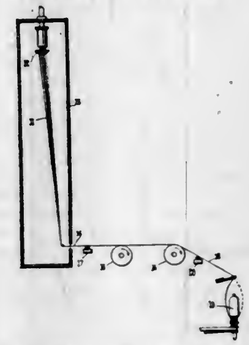
1. A driving mechanism for a phonograph record supporting table comprising a driven shaft adapted to support the table for rotation in a horizontal plane and provided with spaced axially extending grooves, a motor, a sleeve embracing the driven shaft, driving connection between the sleeve and the motor, and spring-urged latch means carried by the sleeve and engageable in the grooves to operatively couple the sleeve and the driven shaft together and adapted when excess load is applied to the table to unlatch the said sleeve from operation with the driven shaft.

2,072,925
PULLING DIE
Abraham Solosko, Chicago, Ill.
Application May 1, 1936, Serial No. 77,353
5 Claims. (Cl. 223—25)



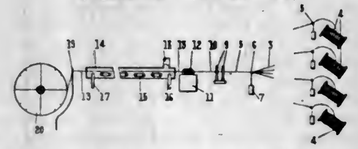
1. A pulling die comprising a hollow stand portion, a crown portion slidable vertically in the stand portion and having a depending bar fixed therein, said stand portion having a web extending across the interior thereof, a bearing extending vertically from said web to receive said bar, a shaft in said web and extending outwardly from the stand, and cooperating means on said shaft and bar for vertically adjusting the bar.

2,072,926
PRODUCTION OF TEXTILE OR OTHER MATERIALS
William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application January 5, 1931, Serial No. 506,637
In Great Britain February 26, 1930
3 Claims. (Cl. 18—54)



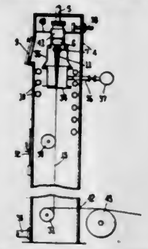
1. Process for the production from a number of artificial filaments of a single filament of larger cross-section, said process comprising heating a number of filaments of a thermoplastic derivative of cellulose while they are associated together, and stretching said filaments while they are in a soft condition so as to cause them to merge permanently together to form a single filament of larger cross-section.

2,072,927
PRODUCTION OF ARTIFICIAL TEXTILE MATERIALS
William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application March 15, 1933, Serial No. 660,824
In Great Britain April 7, 1932
7 Claims. (Cl. 18—54)



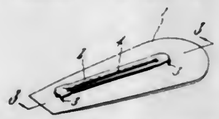
1. Process for the production of unitary products of heavy and flattened cross-section, said process comprising associating a plurality of long continuous filaments in the form of a flattened thread of individual filaments and causing said flattened thread to pass in contact with a surface adapted to apply thereto a liquid having a softening action upon the filaments and to maintain the filaments in the form of a flattened thread, thereby causing the softened filaments to unite together to form a single ribbon of flattened cross-section.

2,072,928
MANUFACTURE OF ARTIFICIAL MATERIALS
William Ivan Taylor and Leslie Brisbane Gibbins, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application December 27, 1933, Serial No. 704,116
In Great Britain, January 6, 1933
9 Claims. (Cl. 18—8)



6. Apparatus for the production of artificial filaments, comprising a spinning chamber, means for maintaining a vacuum within said chamber, a spinning jet for the extrusion of artificial filaments into said vacuum, an opening in said chamber at a short distance from said spinning jet for the withdrawal of the artificial filaments said opening being only sufficiently large to allow artificial filaments to pass therethrough without interference, rollers outside said chamber and means for rotating said rollers with different peripheral speeds so as to stretch the filaments passing round them.

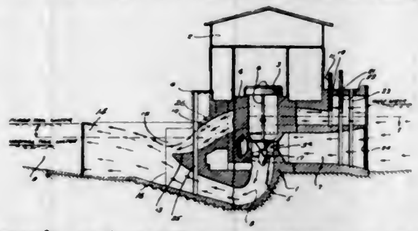
2,072,929
SHOE AND SHOE PART
Otto H. L. Thelen, Marblehead, Mass., assignor to Otto R. B. L. Thelen, Reinhard C. W. Thelen, Eida Valetta M. Thelen, all of Marblehead, Mass.
Application November 24, 1933, Serial No. 699,524
8 Claims. (Cl. 36—76)



1. A unit for use in the manufacture of shoes, which comprises an innersole, a sheet material piece having substantially the full width contour of said innersole at the shank portion thereof, and a metallic shank stiffener having a longitudinally extending concavo-convex rib secured to said piece with the convex side of said rib adjacent thereto, said stiffener being pressed into said piece to present therewith a face substantially flat laterally on the stiffener side of said unit and laterally convex on the opposite face thereof, said piece and stiffener being secured to the outer face of said innersole with said laterally flat face thereagainst.

2,072,930
POWER HOUSE STRUCTURE
William L. Voorduin, Knoxville, Tenn.
Application February 3, 1936, Serial No. 62,026
12 Claims. (Cl. 61—19)

1. A power house structure comprising a turbine intermediate a scroll case and draft tube extending from the forebay to the tailrace, and a flood water conduit positioned above said scroll case, turbine and draft tube, end piers forming the side walls of said conduit, and a substantially diamond shaped pier positioned between said end piers separating the conduit into a plurality of

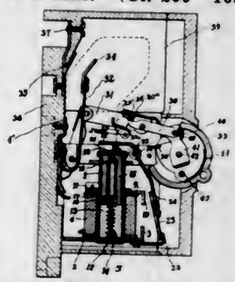


channels, each varying progressively in width from a point intermediate the ends of said channels to the exit and entrance respectively of said channels.

2,072,931
METHOD OF MAKING COLORED ARTIFICIAL YARNS AND FILMS
William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 27, 1933, Serial No. 695,504
8 Claims. (Cl. 18—54)

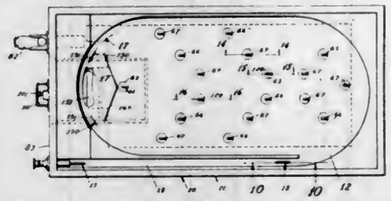
1. The method of forming colored films, foils or filaments which comprises forming the same from a solution of an organic derivative of cellulose containing a dye selected from the group consisting of nigrosines and indulines, said dye being pretreated with an alcoholic solution of an alkali.

2,072,932
METHOD OF AND APPARATUS FOR CONTROLLING ELECTRIC CIRCUITS
Kurt W. Wilckens, Philadelphia, Pa., assignor to Heinemann Electric Company, Trenton, N. J., a corporation of Pennsylvania
Application March 28, 1934, Serial No. 717,759
5 Claims. (Cl. 200—109)



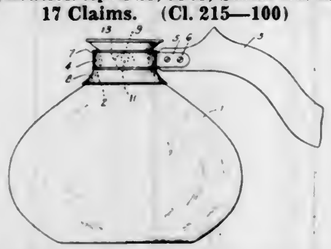
1. In a circuit breaker of the type having a biased switch blade controlled by a toggle, a toggle tripping mechanism including a container formed partly of non-magnetic material and partly of magnetic material having a portion forming a pole piece, an armature in said container and movable into contact with the magnetic material portion of said container, means for retarding the movement of said armature toward said magnetic material portion of said container, means forming a second pole piece spaced from said first pole piece, a coil wound on said container between the magnetic portion thereof and said means, the passage of current through said coil creating a magnetic flux tending to draw said armature into contact with the magnetic material of said container and thereby decrease the reluctance of the magnetic circuit, and a second armature attracted to said pole pieces to trip said toggle when said first armature contacts with the magnetic portion of said container.

2,072,933
GAME APPARATUS
Harry E. Williams, Los Angeles, Calif., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application March 16, 1936, Serial No. 69,155
2 Claims. (Cl. 273—121)



2. Control mechanism for game apparatus having ticket printing drums operable by stepping mechanism actuated by balls projected onto a score-pocket board, said mechanism including means operable by a projected ball for actuating a recording drum stepping mechanism to record the number of balls projected, and means including a device operated by a ball entering a score pocket for preventing further operation of said first means and said drum stepping mechanism.

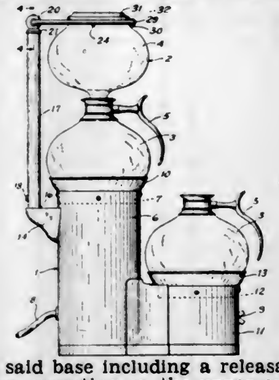
2,072,934
DISPENSING BOWL
Frank E. Wolcott, West Hartford, Conn., assignor, by mesne assignments, to The Silex Company, a corporation of Connecticut (1936)
Application April 29, 1935, Serial No. 18,854
17 Claims. (Cl. 215—100)



1. A dispensing bowl structure for coffee makers comprising a bowl having a neck, a handle portion surrounding the neck, and rotation inhibiting means between said handle portion and said neck including a plug-like member having its axis disposed radially of the neck and provided with an inner part frictionally engaging and conforming to said neck, said member having an outer part engaged with said handle portion to prevent relative movement of said member and handle portion in the direction of the neck circumference.

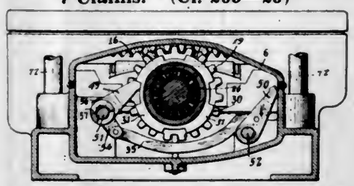
2,072,935
COFFEE MAKING DEVICE
Frank E. Wolcott, West Hartford, Conn., assignor, by mesne assignments, to The Silex Company, a corporation of Connecticut (1936)
Application September 30, 1935, Serial No. 42,799
23 Claims. (Cl. 53—3)

1. In a coffee making device, a base, a vacuum type coffee maker thereon including a lower bowl seated on said base and an operatively connected upper bowl, and means for positioning said coffee



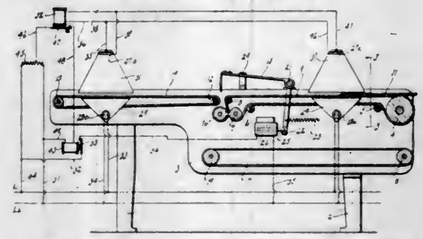
maker on said base including a releasable holding member operating on the upper end of said upper bowl.

2,072,936
ROTARY MACHINE
Lewis E. Zerbe, Moneta, Calif., assignor, by mesne assignments, to The National Supply Company of Delaware, Toledo, Ohio, a corporation of Delaware
Application March 22, 1935, Serial No. 12,387
7 Claims. (Cl. 255—23)



5. In a rotary machine, a base, a rotary member mounted on the base, a gear carried by said member, a drive means for driving the gear including a pinion and a pinion shaft, bearing means carried by the base and adapted to rotatably support the shaft, lock pawls pivotally mounted on opposite sides of the pinion shaft to selectively engage the drive means for locking the gear from rotation in both directions or in either direction, and means to selectively actuate the lock pawls including a pair of lock pawl actuating levers, said levers being independently rotatable about a common axis.

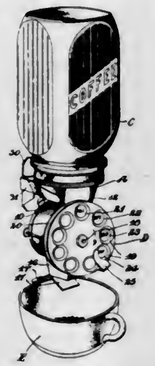
2,072,937
ELECTRICAL MEASURING MEANS
William P. Beattie, Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application April 16, 1934, Serial No. 720,838
8 Claims. (Cl. 270—80)



1. A folding machine comprising article-con-

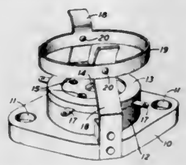
veying means, article-folding means, light-sensitive means positioned so as to be affected by the passage of an article along said conveying means, and means actuated by said light-sensitive means for controlling the operation of said folding means.

2,072,938
DISPENSER
Henry A. Berg, Duluth, Minn.
Application November 26, 1934, Serial No. 754,781
14 Claims. (Cl. 221—107)



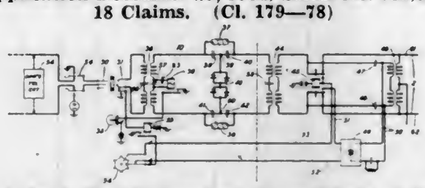
1. A dispenser for coffee and the like, including, a casing, means for attaching said dispenser to a supply container of coffee, a spout formed in said casing leading from said container, a measuring rotor having a series of recesses into which the coffee is adapted to slide from the source of supply through said spout, and a finger operated dial having a series of finger receiving openings therein each of which is engageable by the finger and rotated to measure the desired amount of coffee into a container below said dispenser, and a fixed stop adjacent said dial registrable with, and engageable with a finger extending through, any of said openings to stop said dial in any desired position.

2,072,939
MOUNTING FOR ELECTRICAL DEVICES
Walter L. Betts, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1933, Serial No. 670,310
8 Claims. (Cl. 173—328)



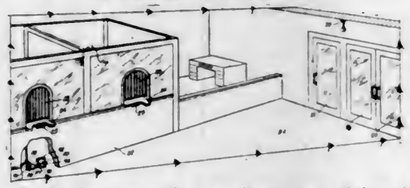
1. A mounting for an electrical device having external terminals, comprising a support, contact members on said support, and a ring member mounted on said support and adapted to encompass and to frictionally engage a portion of said device, said ring member being of a form different from said portion and resilient whereby its form may be altered to allow free passage of said portion therethrough.

2,072,940
TELEPHONE SYSTEM
Langford J. Bowne, Howard Beach, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1934, Serial No. 759,644
18 Claims. (Cl. 179—78)



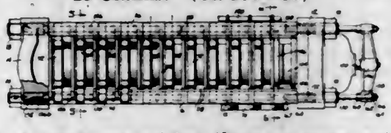
1. In a signaling system, an exchange, a line terminating at said exchange, means in said line for protecting said exchange against high potential low frequency current signals and against abnormally high potentials within the voice frequency range and for passing normal potentials within the voice frequency range to or from the exchange, and means responsive to low potential ringing frequency signals from the exchange for partially eliminating said protective means from the line to permit the free passage of said ringing frequency signal out over the line.

2,072,941
THEFT PREVENTION SYSTEM
Arthur E. Burch, Jr., and Enos Cornwall, Kansas City, Mo.; said Burch assignor, by mesne assignments, to Enos Cornwall, Kansas City, Mo.
Application May 23, 1931, Serial No. 539,500
Renewed July 30, 1936
14 Claims. (Cl. 102—1)



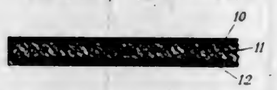
1. A theft prevention system comprising tear gas apparatus and means for actuating said tear gas apparatus comprising an electric current supply, an element associated with said gas apparatus fusible upon the passage of electric current therethrough and means for closing the electrical circuit between said current supply and said fusible element comprising switch actuating means movable to circuit closing position only by a plurality of movements in different directions.

2,072,942
PRESS
Fred S. Carver, Short Hills, N. J.
Application January 16, 1934, Serial No. 706,813
19 Claims. (Cl. 100—50)



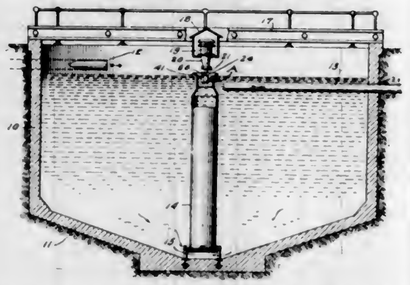
17. A press comprising three or more axially aligned expressing chambers, a power device for axially contracting all the chambers simultaneously to express fluid therefrom, and feed lines communicating from without the chambers to the several chambers individually at their axial centers.

2,072,943
TRANSFER MEDIUM AND METHOD OF MAKING SAME
Wallace Patten Cohoe, New York, N. Y., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application November 30, 1935, Serial No. 52,282
5 Claims. (Cl. 91—68)



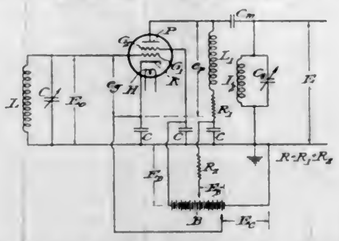
1. A transfer web having on its face a transfer material and on its back a thin dense film of chlorinated rubber.

2,072,944
AERATOR
Augustus C. Durdin, III, Niles Center, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois
Application December 21, 1934, Serial No. 758,631
12 Claims. (Cl. 210—8)



1. An aerator, comprising a rotary liquid propelling element, and an opposed liquid deflecting cone having inclined blades thereon extending, in their entirety, along and outwardly from the conical face of the cone.

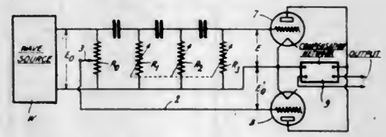
2,072,945
AMPLIFIER CIRCUIT
Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 19, 1931, Serial No. 523,859
30 Claims. (Cl. 179—171)



1. In a dynatron amplifier, the combination with an electron tube and means for applying to the elements thereof potentials effective to give the same a negative plate resistance, of a tuned output circuit connected to the plate electrode of said tube, and means rendering the ratio of plate load impedance to plate resistance substantially independent of the frequency to which said output circuit may be tuned.

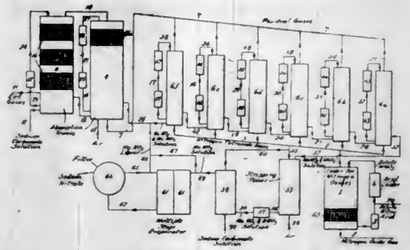
28. A method of controlling the gain of a screen grid amplifier which consists in varying the control grid bias thereof in an increasingly negative potential direction to reduce the amplifier gain, and simultaneously varying the potential on another electrode in an increasingly positive sense to maintain the internal plate resistance of the amplifier more nearly independent of the variation of said grid bias.

2,072,946
HARMONIC ANALYZER
Paul O. Farnham, Mountain Lakes, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 17, 1935, Serial No. 45,406
5 Claims. (Cl. 178—44)



1. In combination with a source of electrical waves comprising a fundamental frequency and harmonics thereof, a multisection filter network including at least three filter sections, each section consisting of a resistor and a condenser, the magnitudes of the resistors and condensers of said sections being so chosen as to adjust the network to produce a phase shift of πN radians in the output of the said fundamental frequency, N being a whole number other than zero, and means for adding a fraction of the wave input voltage to the output of said filter network, said fraction having a magnitude such that voltage of fundamental frequency is eliminated in the total output of said filter network.

2,072,947
PROCESS FOR REACTING NITROGEN TETROXIDE WITH AQUEOUS LIQUIDS
Mayor Farthing Fogler and Donald A. Rogers, Petersburg, Va., assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York
Application February 23, 1935, Serial No. 7,910
In Canada December 26, 1930
20 Claims. (Cl. 23—102)



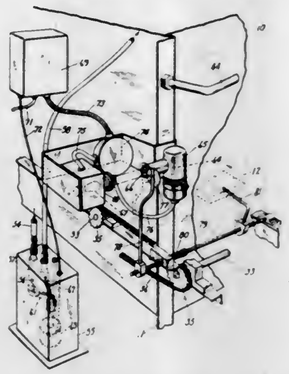
1. The process for reacting nitrogen tetroxide with an aqueous liquid which comprises passing said liquid in succession through a plurality of reaction zones in each of which the liquid is passed in contact with one of a plurality of streams of gas containing nitrogen tetroxide, said streams of gas being passed in parallel through said reaction zones.

2,072,948

SPRAY COATING MACHINE

Frank A. Geffs, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio

Application November 30, 1931, Serial No. 577,917
6 Claims. (Cl. 91—45)



1. In a spray coating machine, spray discharging means, means for conveying articles across the path of the spray discharge, electric means operable when energized to open the spray discharge means and maintain it open as long as the electric means remains energized, successive interconnected trip arms in the path of the articles, and means connected with said trip arms to maintain a circuit through said electric means from the time the first trip arm is engaged by the front end of an article until the last trip arm is released from the rear end of said article.

2. In a spray coating machine, spray discharging means, a valve shiftable to turn the discharge on or off, said valve being biased to one position, photo-electric control means for said valve, and means including a semaphore and a trip member actuated by an article in transit to render the photo-electric control means effective to shift said valve to the opposite position.

2,072,949

BUCKLE

Paul Heinze, Chicago, Ill., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware

Application July 9, 1934, Serial No. 734,260
8 Claims. (Cl. 24—206)



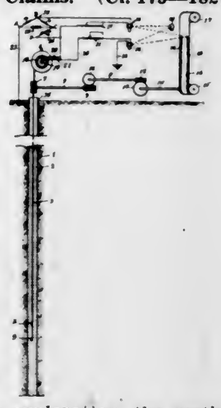
1. A buckle comprising a sheet metal strip for attachment to an article to be secured, a gripping element, and a support for attachment to said article, said strip having portions deformed from the material thereof to form a plurality of longitudinally spaced recesses of polygonal cross-section and said gripping element being movably mounted on said support and being of substantially the same cross-section as said recesses to enter interchangeably said recesses for preventing longitudinal displacement of said strip relatively to said support.

2,072,950

METHOD OF AND APPARATUS FOR ELECTRICALLY EXPLORING EARTH FORMATIONS

Frederick W. Huber, Riverside, Calif., assignor to Geoanalyzer Corporation, Los Angeles, Calif., a corporation of California

Application May 21, 1935, Serial No. 22,533
6 Claims. (Cl. 175—182)



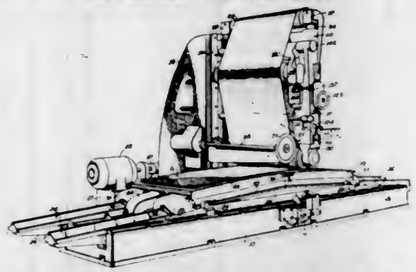
1. In earth exploration, the method of determining the nature of the natural fluid contained in a porous formation traversed by a bore hole containing a conductive fluid, which comprises measuring and comparing variations in the electrical resistivity of the formation parallel and close to the bore hole where the formation is permeated with the conductive fluid of the bore hole and parallel to but spaced from the bore hole a distance greater than the distance of penetration of the bore hole fluid from the bore hole into the formation.

2,072,951

ABRADING MACHINE

Charles Johnson and Joseph O. Olsen, Rockford, Ill., assignors to Mattison Machine Works, Rockford, Ill., a corporation of Illinois

Application January 17, 1934, Serial No. 706,966
18 Claims. (Cl. 51—143)



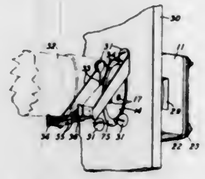
1. A machine for surfacing thin work sheets comprising, in combination, an elongated horizontal bed having parallel longitudinal ways on the top, each way consisting of two straight sections inclined downwardly and oppositely toward the ends of said bed, an elongated table supported at opposite ends on the opposite end sections of said ways and being vertically spaced from said ways at all intermediate points, means for reciprocating said table longitudinally of said bed, a horizontal surfacing tool extending perpendicularly across said table, and means for actuating said tool, the top of said table having a longitudinally curved surface convex upwardly and adapted to support the work sheet and in the course of said reciprocation to present all points along said sheet progressively to said tool at a predetermined height.

2,072,952

MOUNTING FOR ELECTRICAL DEVICES

Edward H. Jones, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 1, 1935, Serial No. 34,131
9 Claims. (Cl. 250—27.5)



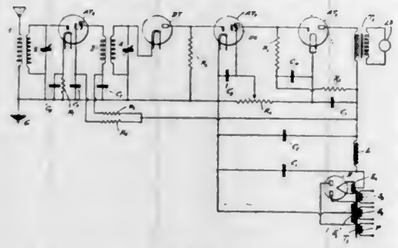
1. A mounting for an electrical device, comprising a support member, a socket member for receiving the device, a plurality of metallic members each having a terminal portion secured to said support member, a contact portion secured to said socket member and a resilient portion intermediate said terminal and contact portions, and a resilient support having a portion secured to said support member and having a U-shaped cradle portion for receiving said device carried by said first portion.

2,072,953

CASCADED ELECTRON TUBE SYSTEM

Gerard J. Kelley, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application March 15, 1932, Serial No. 598,984
4 Claims. (Cl. 250—20)



2. In an electrical signal current transmitting system, a tunable input circuit for the signal currents, a current rectifier and resistance series related connected across said tunable circuit, a screen-grid tube having its control electrode and cathode conductively connected across difference of potential points in said resistance, a second resistance in the anode-cathode circuit of said tube, a multiple electrode tube having its control electrode and cathode connected across difference of potential points in said second resistance, a third resistance through which the anode-cathode current of said second tube flows, and a connection between the screen-grid of said first tube and a selected potential point in said third resistance.

2,072,954

STEERING STABILIZER

John K. Lencke and Herman Schmid, Kingston, N. Y.

Application January 22, 1932, Serial No. 588,108
1 Claim. (Cl. 280—89)



A stabilizing attachment for the steering connections including a tie rod on a motor vehicle, said rod being connected to the steering knuckles at the ends of the front axle of said vehicle so that as the rod is moved to turn the front wheels of said vehicle its mid portion tends to describe a curve which is convex towards said axle, said attachment comprising an arm secured to the axle adjacent the middle thereof and extending toward the tie rod and a concave element attached to the outer end of said arm in position to engage with the tie rod and being curved from one end to the other to conform with the curve described by the mid portion of the tie rod in its movement, said element having a friction lining on the face thereof which engages the tie rod, whereby uneven wear on said tie rod and said lining is prevented.

2,072,955

METHOD OF TREATING FOOD FOR HUMAN CONSUMPTION

William Richard Flodden Lunt, Durban, Natal, Union of South Africa

No Drawing. Application November 16, 1933, Serial No. 698,318. In Great Britain November 17, 1932
3 Claims. (Cl. 99—174)

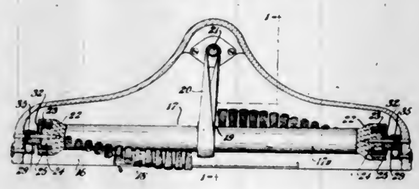
1. An article for treating foodstuffs to render them tender and easily assimilable embodying a carrier impregnated with papain in soluble and releasable form, the carrier being readily applicable to the foodstuffs exteriorily in close contact therewith.

2,072,956

SUCTION CLEANER BRUSH

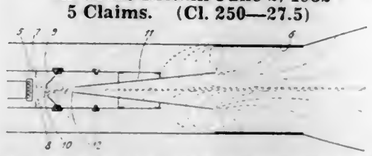
Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio

Application October 6, 1933, Serial No. 692,482
3 Claims. (Cl. 15—8)



1. In a suction cleaner including a nozzle, a rotatable brush within the nozzle provided with a cup-shaped reinforcing ferrule at each end, an axle pin in each end of the brush extending through the adjacent ferrule, a block eccentrically journaled on each pin abutting the adjacent ferrule, a squared hub cap mounted on each block, and integral U-shaped spring clips in the nozzle detachably mounting the hub caps therein.

2,072,957
ELECTRON TUBE
James Dwyer McGee, London, England, assignor to Electric & Musical Industries, Ltd., a corporation of Great Britain
Application May 26, 1933, Serial No. 672,974
In Great Britain June 2, 1932
5 Claims. (Cl. 250—27.5)



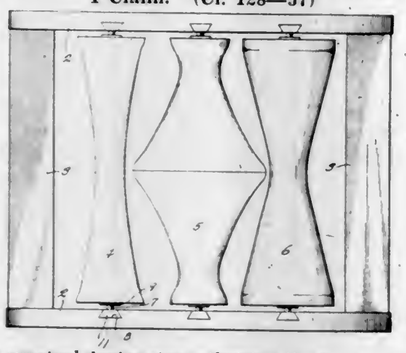
1. A cathode ray tube having an electron source, an apertured control electrode, at least two auxiliary electrodes each having an aperture therein and being in the form of an annulus having a frusto-conical shape and having its narrower end nearer the cathode of the tube and an anode electrode positioned in the tube in the order mentioned, and a screen positioned to receive the developed electrons passed through the aforesaid electrodes to produce luminous effects.

2,072,958
METHOD OF MANUFACTURING PAVING BLOCKS
Stuart Parmelee Miller, Tenafly, N. J., assignor to The Barrett Co., New York, N. Y., a corporation of New Jersey
Application September 24, 1928, Serial No. 308,058
3 Claims. (Cl. 18—55)



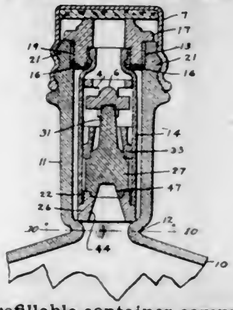
1. The process of manufacturing a composition paving block for floors, roads, pavements and the like subjected to wear by pedestrian or vehicular traffic, which comprises assembling bitumen-impregnated felt together with solid mineral matter so as to form a mass of said felt having the mineral matter distributed therein and of a volume substantially greater than the volume desired in the finished block, and compressing said mass under high pressure to form a dense, resilient, wear-resistant block.

2,072,959
FOOT HEALTH EXERCISER
George E. Mulvaney, Chicago, Edward Roden, Dalton, and Frank L. Cross, Chicago, Ill.
Application November 20, 1935, Serial No. 50,632
1 Claim. (Cl. 128—57)



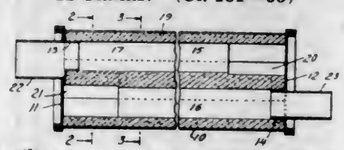
A surgical device strengthening the foot muscles comprising a stationary support, a plurality of rollers rotatably mounted in said device, each roller having a stub shaft at each end, a bearing block cooperating with each stub shaft having a plurality of bearing holes therethrough, and openings in said support in which each bearing block is slidably mounted.

2,072,960
NONREFILLABLE CONTAINER OR BOTTLE
Solomon Narunsky, Baltimore, Md.
Application December 10, 1935, Serial No. 53,719
4 Claims. (Cl. 215—21)



1. A non-refillable container comprising a body having a neck extending therefrom, said neck having its outer end portion of increased internal diameter to form an annular sealing chamber and ledge, a tubular valve casing seated in said neck and with its upper portion aligned below the mouth plane of the neck but within said sealing chamber, a valve seat member having a reduced portion fitting into the lower end of the casing, an annular valve seal mounted on the top of the neck and resting on said annular ledge and in the sealing chamber and covering the increased internal diameter portion and cement in the chamber and on the ledge for cementing the said valve seal to the said portion and to the casing, and positioning the upper portion of the valve seal above the mouth plane of the neck, an orifice lock member loosely mounted in the casing in the upper portion thereof, said member having a plurality of posts around its periphery, a floating lock member adjacent said orifice member and having peripheral grooves for receiving portion of said posts and locking therewith, said last mentioned member having a central passage therethrough, a valve head-and-stem member having a central projecting member and a base with peripheral grooves or recesses therein, said base having a valve seat formed thereon and an upwardly directed recess, and a valve seat member having a central passage therethrough and a seat provided therefor for registry with the valve seat on the base.

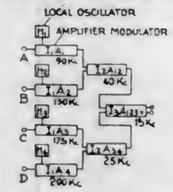
2,072,961
SILENCER
Charles Emory Nelson, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application March 1, 1934, Serial No. 713,438
11 Claims. (Cl. 181—53)



1. A silencer for the exhaust gases of an internal combustion engine comprising a plural-

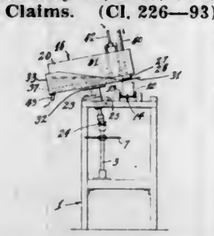
ity of juxtaposed parallel ducts for said gases, at least three of said ducts being arranged in series, sound and gas pressure absorbing material exposed in the walls of said ducts and forming the partitions between adjacent ducts, said absorbing material containing intercommunicating pores and channels, said pores and channels occupying approximately 25 to 35 percent of the volume of said absorbing material, said gases being free to pass through said absorbing material directly from one to any other of said ducts, the passage of said gases through said absorbing material being limited entirely by the porosity characteristics of said material.

2,072,962
RADIO SYSTEM
Jozef Plebanski, Warsaw, Poland, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application September 8, 1934, Serial No. 743,253
In Poland October 3, 1933
16 Claims. (Cl. 250—11)



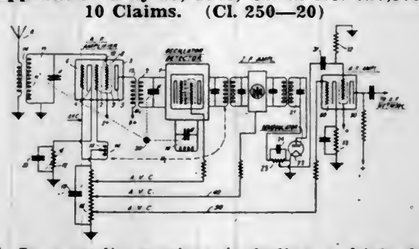
1. A directive radio system comprising a plurality of differently oriented directive aerials each adapted for receiving a common signalling frequency wave; means for changing the individual signalling currents received by said aerials into secondary currents of different predetermined characteristics; means for combining said secondary currents and deriving a single resultant output current having a predetermined selective characteristic which is a product function of the characteristics of all of said secondary currents; and means for selectively receiving said output current.

2,072,963
METHOD AND APPARATUS FOR FILLING CONTAINERS
Alan C. Richardson, Berkeley, and Donald T. Saxby, Oakland, Calif., assignors to California Packing Corporation, San Francisco, Calif., a corporation of New York
Application January 28, 1935, Serial No. 3,704
10 Claims. (Cl. 226—93)



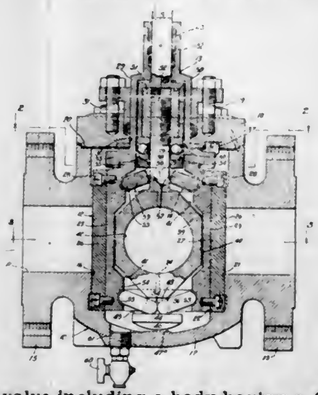
1. In a method of filling containers with a predetermined volume of tender fruit, the steps of filling a measuring cup with a mobile body of fruit and water, leveling said cup by passing a spray of water across the upper edges of said cup, draining the cup, and then ejecting the contents of said cup into a container by the application of a blast of gas axially through said cup.

2,072,964
SELF-CONTROLLED AUTOMATIC GAIN CONTROL CIRCUIT
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 25, 1934, Serial No. 727,378
10 Claims. (Cl. 250—20)



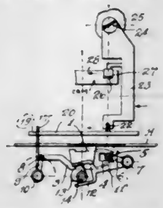
1. In a radio receiver including a high frequency amplifier provided with a tube having a cathode, a plate, a signal grid and at least two gain control electrodes, arranged electrostatically to influence the electron flow from the cathode to said plate, at least one of the gain control electrodes being disposed in the electron stream between the cathode and plate, a connection between the cathode and the two gain control electrodes including a load resistor, a signal transmission network coupled to the plate circuit of said amplifier, a signal coupling path between the two gain control electrodes of the amplifier and a point in said signal transmission network, a signal input circuit coupled between the signal grid and the cathode of said amplifier, and said two gain control electrodes being adapted to become increasingly negative in direct current voltage as the received signal amplitude increases.

2,072,965
VALVE
Henry H. Robinson and Theodore C. Plath, Los Angeles, Calif., assignors to Robinson Orifice Fitting Company, Los Angeles, Calif., a corporation of Nevada
Application November 12, 1934, Serial No. 752,634
2 Claims. (Cl. 251—102)



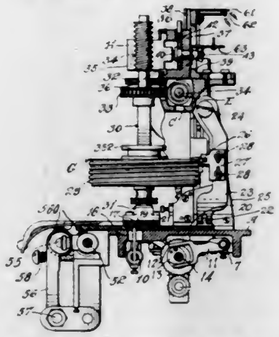
1. A valve including a body having a fluid passage and an opening intersecting the passage, a plug in the opening comprising two sections, the plug having an opening to register with the fluid passage, toggles for operating the sections outwardly to seal with the wall of the opening, and a stem for operating the toggles having an opening registering with the opening in the plug.

2,072,966
MULTIPLE STITCH SEWING MACHINE
Leo Roseman, Newark, N. J.
Application July 25, 1934, Serial No. 736,806
3 Claims. (Cl. 112—2)



3. A sewing machine including a stitch forming mechanism including a drive shaft and a reciprocating needle, a work feed dog, an operative connection between said feed dog and said drive shaft for vertically actuating said dog alternately into and out of engagement with the work, a countershaft, an operative connection between said countershaft and said feed dog to move the latter horizontally in opposite directions upon rotation of said countershaft in opposite directions in timed relation to reciprocation of said needle to feed the work in one or the other of two opposite directions upon each work engaging horizontal movement of said feed dog, a cam driven by said drive shaft, a follower for said cam operatively connected to said countershaft to rotate the latter, said cam having a plurality of cam surfaces to rotate said countershaft in each of said opposite directions in alternate relation to said vertical movements of the feed dog, and other cam surfaces in predetermined relation to the first-mentioned cam surfaces to interrupt rotation of said countershaft while said feed dog is in its lower position and change the direction of said work engaging horizontal movements of said feed dog.

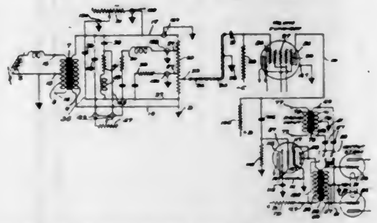
2,072,967
CONTINUOUS VARIABLE STITCH SEWING MACHINE
Leo Roseman, Newark, N. J.
Application September 19, 1934, Serial No. 744,642
16 Claims. (Cl. 112—2)



1. A sewing machine comprising a stitch forming mechanism, means for advancing work positively and continuously in one direction toward said stitch forming mechanism at a predetermined rate, and means for feeding work from said advancing means through said stitch forming mechanism in each of different directions including automatic means for reversing the direction of work feeding movement of said work feeding means at predetermined intervals to produce groups of superposed stitches in predetermined spaced relation, the steps of movement of the work feeding means in one direction compensating the slack produced in the work between said work advancing means and said work feeding means during the movements of the work in the other direction.

13. A sewing machine comprising stitch forming mechanism, means for feeding work step-by-step through said stitch forming mechanism including a feed dog, a rotatable cam having a peripheral cam surface of a length several times greater than the length of the cam in a plan perpendicular to the axis of the cam and formed with a cam portion to govern feeding of the work for each stitch, a follower for the cam surface operatively connected to said feed dog to engage said cam surface from one end thereof to the other, and means for relatively moving the follower and said cam surface in a direction parallel to the axis of the cam from engagement at any intermediate point of the cam surface into engagement at a point of said cam surface in advance of said intermediate point.

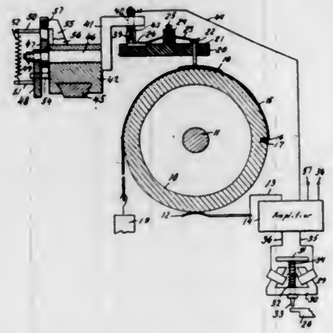
2,072,968
PHONOGRAPH PICK-UP CIRCUIT
Chester M. Sinnett, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1935, Serial No. 42,983
13 Claims. (Cl. 179—100.11)



1. In a radio-phonograph system, the combination of an audio frequency amplifier output stage, radio phonograph switching means connected with said output stage and comprising radio and phonograph amplifier channel terminating transformers having secondaries connected in parallel for radio reception thereby to increase the bass response of the output stage, and independent bass response control means for the phonograph amplifier channel comprising a volume and tone control network including a series resonant circuit including the secondary of a phonograph pickup coupling transformer and a controlling capacity, and means for varying said capacity to cause said circuit to resonate below the effective audio frequency response range of said pickup circuit.

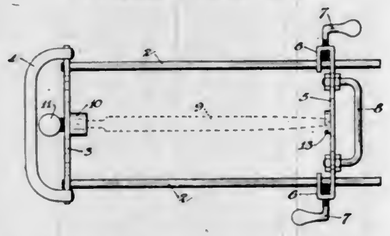
2,072,969
PATTERN MECHANISM
William S. Tandler, New York, N. Y., assignor to Lefier Patent Company, Inc., New York, N. Y., a corporation of New York
Application July 6, 1936, Serial No. 89,152
19 Claims. (Cl. 66—154)

1. In a mechanism for controlling the operation of a machine having a group of members to be selectively actuated, the combination of an electromechanical translating device for progressively segregating selected members, and an electric circuit through said device including a source of power; a pattern sheet having conductive and insulated areas, a pick-up device having a plurality of conductive elements engaging said sheet, each



element corresponding to one of said members, and a stationary contact connected to each element, and a scanning element engaging said contacts progressively.

2,072,970
SHARPENING DEVICE
Fredrick W. Thom, St. Paul, Minn.
Application March 30, 1936, Serial No. 71,605
5 Claims. (Cl. 51—217)

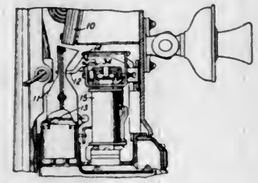


1. A device for supporting a sharpening steel for the purpose set forth, comprising a frame including a longitudinal bar, a socket member for one end of the steel supported by one end of the bar in offset position, an opposed slidable member supported by the bar and carrying a socket member for the other end of the steel in an offset position to the bar corresponding to the offset position of the opposed socket member.

2,072,971
PROCESS FOR THE MANUFACTURE OF CONDENSATION PRODUCTS FROM NON-ALIPHATIC SULPHAMIDES AND ALDEHYDES
Georg Walter, Vienna, Austria
No Drawing. Application July 11, 1932, Serial No. 622,010. In Austria July 20, 1929
28 Claims. (Cl. 260—3)

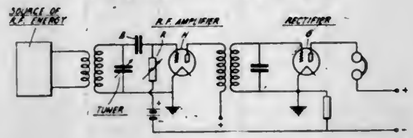
1. A process for producing resin-like reaction products which comprises the step of condensing an aldehyde with a sulphamide of a cyclic organic compound containing besides at least one substituted or unsubstituted sulphamyl group (SO_2NH_2) a group containing a substituted or unsubstituted NH_2 radical or a substituted or unsubstituted NH_2 group itself, at least one of the sulphamyl or NH_2 groups being unsubstituted.

2,072,972
COIN COLLECTING APPARATUS
Clyde H. Wheeler, Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application May 17, 1935, Serial No. 21,932. Divided and this application February 19, 1936, Serial No. 64,690
2 Claims. (Cl. 194—45)



1. A telephone coin collector comprising a coin chute, a support external to said chute, a coin trigger having an arm projecting into said chute for actuation by a deposited coin and having a counterbalance, a pin for pivotally mounting said trigger on said support, a projecting member on said trigger located above the pivoting axis of said trigger, a spring pressed lever bearing on said member and adapted to be released when said trigger is actuated by a deposited coin, said lever in its released position preventing said trigger from restoring to normal, and a helical wire wrapped around said pin and having one end acting as a cushioning spring normally contacting with said counterbalance to prevent sudden jars from releasing said lever, the other end of said wire acting as a cushioning spring stop for movement of said trigger arm when the trigger is actuated by a deposited coin.

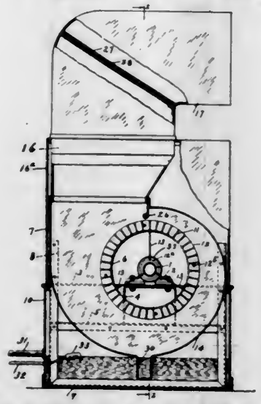
2,072,973
QUIET AUTOMATIC VOLUME CONTROL SYSTEM
Karl Wilhelm, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany
Application August 17, 1933, Serial No. 685,593
In Germany August 26, 1932
3 Claims. (Cl. 250—20)



1. In a signal receiving system of the type including a signal frequency amplifier tube, a signal rectifier tube having an impedance in its space current path and an automatic amplifier gain control connection between the amplifier tube grid and a point on said impedance which is negative with respect to the amplifier cathode, said connection including a source of fixed positive voltage for initially maintaining the amplifier grid positive with respect to the amplifier cathode, the magnitude of said positive potential difference being such that grid current is caused to flow in the amplifier input circuit, when signals below a predetermined amplitude are received, thereby damping the amplifier input circuit sufficiently to prevent response to the last named signals, and the voltage developed across said impedance counteracting the effect of the fixed positive voltage in such a manner that the sensitivity of the amplifier is increased for signals

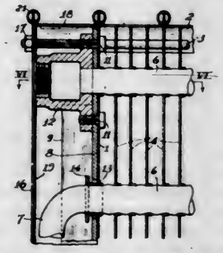
for a small signal amplitude range above the said amplitude and decreased for all signal amplitudes above said range.

2,072,974
COOLING DEVICE
Walter W. Williams, Bloomington, Ill.
Application October 24, 1934, Serial No. 749,811
2 Claims. (Cl. 261—88)



1. In a cooling unit, a liquid tank, a centrifugal fan blower housing in communication therewith, a motor driven multi-vane fan blower therein, a driving shaft for the fan blower, said blower comprising a plurality of similar parallel spaced apart annular frames, a plurality of flat rectangular equally spaced apart vanes supported in radiating relation to the axis of the said shaft between said plates with a plurality of said vanes extended to engage the said shaft in the form of a spider to support the said annular frames upon the said shaft, means surrounded by said annular frames for discharging the liquid to be cooled in the form of a spray, means for admitting air within the annular frames into which the liquid spray is discharged, the arrangement being such that a plurality of pockets are formed between adjacent vanes of the fan blower and annular frames for increasing the evaporation and scrubbing action of the air upon the particles of the liquid spray passing therethrough.

2,072,975
RADIATOR
Paxson Winsborough, Pittsburgh, and Archibald H. Davis, Jr., New Castle, Pa., assignors to Shaw-Perkins Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 4, 1936, Serial No. 94,208
10 Claims. (Cl. 257—149)



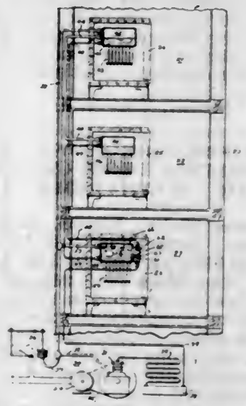
1. A radiator comprising a plurality of spaced fixed plates, bars disposed between the plates and engaging them adjacent their corners for maintaining them in spaced relation, tie rods extending through the plates for binding the plates and bars into a unit, a plurality of spaced floating plates disposed between each pair of said fixed plates, all of the plates being provided with openings therethrough, and a tube for conveying a heating medium extending through said openings in engagement with the plates.

2,072,976
WATER PURIFICATION
Orrin E. Andrus, Milwaukee, Wis.
Application September 19, 1932, Serial No. 633,769
3 Claims. (Cl. 210—36)



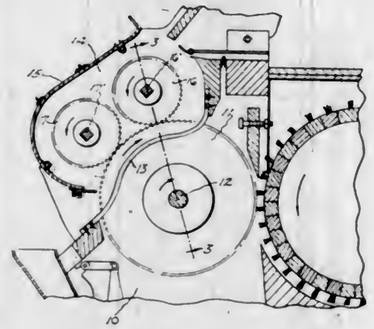
1. An apparatus for introducing chemicals in a batch of water, comprising a substantially non-porous paddle adapted to stir the water and a plurality of replaceable porous containers attached to said paddle on opposite sides thereof and containing separate chemicals adapted to be dispersed separately throughout the water by agitation of the water with said paddle.

2,072,977
REFRIGERATING APPARATUS
Francis Russell Bichowsky, Washington, D. C., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application February 26, 1932, Serial No. 595,361
1 Claim. (Cl. 62—115)



Refrigerating apparatus including a plurality of enclosures forming compartments to be cooled, each containing a cooling unit adapted to trap liquid refrigerant therein, said apparatus including at least three cooling units at different elevations, overflow conducting means for conducting the surplus liquid refrigerant from the highest cooling unit to the second highest cooling unit and from the second highest cooling unit to the lowermost cooling unit, a refrigerant liquefying means for supplying liquid refrigerant to the highest cooling unit and withdrawing evaporated refrigerant from the cooling units, said overflow conducting means including a portion adapted to conduct evaporated refrigerant from a lower cooling unit to a higher cooling unit and means responsive to the liquid refrigerant in the lowermost cooling unit for controlling the supply of liquid refrigerant to the upper cooling unit.

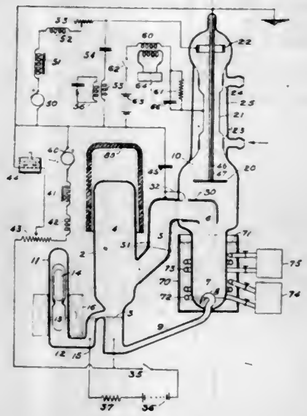
2,072,978
MEANS FOR REMOVING FIBERS FROM COTTONSEEDS
Kermit B. Cumpston, Blooming Grove, Tex., assignor of one-fourth to J. J. Eckford and one-fourth to Jack A. Schley, both of Dallas, Tex.
Application April 14, 1933, Serial No. 666,080
4 Claims. (Cl. 19—57)



4. A cotton lint fiber-removing device including, a roll box, ribs, ginning saws projecting between said ribs into said box and exposed therein, an axiliary saw cylinder mounted in said box and co-acting with the teeth of the ginning saws to remove lint fibers from the seeds prior to ginning at the ribs, the teeth of the auxiliary saws being confined to the zone of the teeth of the ginning saws, and means for driving the auxiliary saws at a slower circumferential speed than the circumferential speed of the ginning saws.

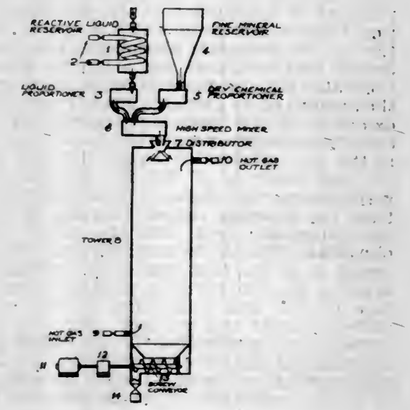
2,072,979
TUBE AND SYSTEM FOR ELECTRON DISCHARGES
Henry G. Cordes, Palo Alto, Calif.; Bertha L. Cordes, executrix of said Henry G. Cordes, deceased, assignor to Bertha L. Cordes, widow
Application April 30, 1930, Serial No. 448,613
16 Claims. (Cl. 175—354)

1. A vacuum tube comprising a cathode having vapor adjacent thereto, at least two anodes, a vapor condensing surface between the cathode and one of said anodes arranged to be heated only by vapor condensing thereon, and a control surface capable of controlling electron flow to at least one of said anodes combined with a source



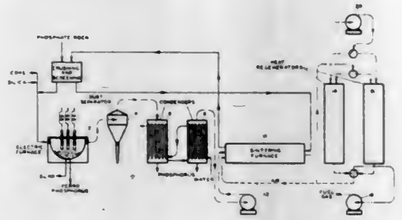
of unidirectional current connected to divert electron flow from one to the other of said anodes.

2,072,980
MANUFACTURE OF GRANULAR CALCIUM PHOSPHATES
Harry A. Curtis, Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala., a corporation of the United States
Application June 4, 1934, Serial No. 728,917
5 Claims. (Cl. 23—109)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. Steps in the process of treating calcium compound, reactive with a concentrated mineral acid to produce mono-calcium phosphate, with the concentrated mineral acid, to form the granular phosphate which comprises, dispersing the fluid, partially reacted intimate mixture of the fine calcium compound and the mineral acid which will set in a few seconds after dispersion, through a fluid distributor into a tower; and contacting the dispersed particles countercurrently with a heated gas to produce a solid, substantially, completely reacted product.

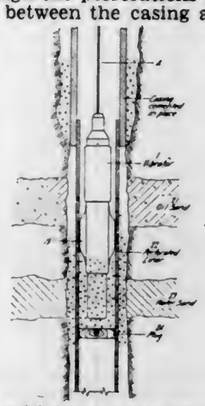
2,072,981
PRODUCING PHOSPHORUS
Harry A. Curtis, Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala., a corporation
Application March 18, 1936, Serial No. 69,485
1 Claim. (Cl. 23—223)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



Process of producing phosphorus from run-of-the-mine phosphate rock, which comprises, crushing and screening run-of-the-mine phosphate rock and the sintered fine phosphate rock subsequently produced to form one portion of coarse phosphate rock and another portion of fine phosphate rock; reducing a charge of the coarse phosphate rock, silica and carbon in an electric furnace heated to reaction temperature by the passage of an electrical current through the charge; separating the fine, solid portion of the charge entrained in the gas in a dust separator maintained at the temperature above the dew point of the elemental phosphorus in the phosphate reduction furnace gas; cooling the phosphate reduction furnace gas indirectly; separating the condensed phosphorus from the cooled phosphate reduction furnace gas; sintering the portion of fine phosphate rock in a sintering furnace heated with the products of combustion of the phosphate reduction furnace gas from which a substantial portion of the elemental phosphorus has been condensed and separated and a limited quantity of preheated air, the quantity of air being limited to the amount of its oxygen content required for the oxidation of the elemental phosphorus and the oxidation of only a portion of the carbon monoxide in the gas sufficient to supply the heat required for the sintering of the fine phosphate rock; withdrawing the sintered fine phosphate rock from the sintering furnace; mixing the sintered fine phosphate rock with the run-of-the-mine phosphate rock for the crushing and screening referred to in the first step of the process; withdrawing the hot partially oxidized gaseous mixture of fuel gas comprising carbon monoxide, carbon dioxide and nitrogen, from the sintering furnace; and preheating the air required for the operation of the sintering furnace by a heat exchange relationship with the hot gaseous mixture of fuel gas withdrawn from the sintering furnace.

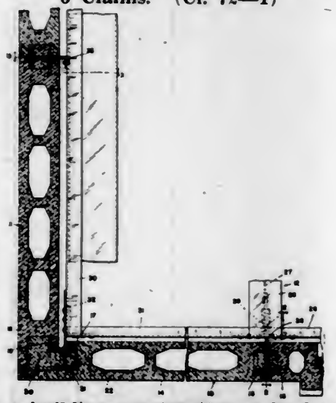
2,072,982
METHOD AND APPARATUS FOR CEMENTING WELLS
Clarence R. Dale, Los Angeles, Calif., assignor to Dale Service Corporation, a corporation of California
Application June 22, 1936, Serial No. 86,553
5 Claims. (Cl. 166—1)

1. In the process of cementing wells provided with a perforated casing, the steps of placing a cement charge in the perforated casing and driving it through the perforations of the casing into the space between the casing and the walls



of the well by subjecting said cement charge to high frequency vibration.

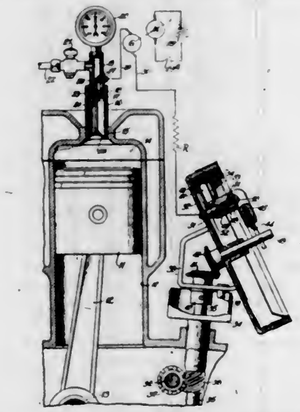
2,072,983
BUILDING CONSTRUCTION
William J. Erdner, River Rouge, Mich.
Application May 1, 1935, Serial No. 19,318
6 Claims. (Cl. 72—1)



1. In a building construction, a load supporting column, preformed wall sections on opposite sides of the column and having portions on adjacent edges thereof cooperating to substantially enclose the column, floor structure including a strut extending in the same general direction as the wall section and spaced inwardly therefrom, and means for supporting the floor structure from the column including a gusset plate extending inwardly from the column between the adjacent edges of the wall sections and secured to the strut.

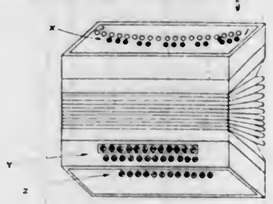
2,072,984
MEANS FOR LOCATING ENGINE DEAD-CENTERS
Butler J. Haskins, Chicago, Ill., assignor to Joseph Weidenhoff, Inc., Chicago, Ill., a corporation of Illinois
Application March 3, 1934, Serial No. 713,955
9 Claims. (Cl. 177—311)

1. In a device for locating the upper dead-center of an automobile engine having a cylinder, a piston slidable therein, a crank shaft, a distributor, and a distributor shaft, said device comprising a stationary member having a graduated dial and having means for securing it to the distributor housing after the distributor cap has been removed, a member rotatable adjacent the dial and having a radial slot, means connecting said rotatable member to the top of the distributor shaft, a neon tube back of the slot, means including an electric circuit, a source of electric energy, and an electric switch having two contacts mounted on said cylinder, means mounted for operation by movement of the piston and connected to one of said contacts for causing said contact



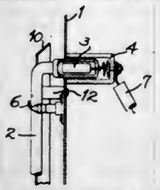
to engage the other at a predetermined position of the piston on one side of top dead-center and for causing them to remain in engagement to a corresponding position on the other side of top dead-center for passing current through the neon tube during said predetermined travel of the piston, whereby a bright arc indicates on the dial the angular position of the distributor shaft during said predetermined travel of the piston, and means for adjusting the operating positions of the contacts with respect to the position of said piston and top dead-center.

2,072,985
MUSICAL INSTRUMENT
Joseph Hofbauer, Orange, N. J.
Application July 25, 1935, Serial No. 33,089
3 Claims. (Cl. 84—376)



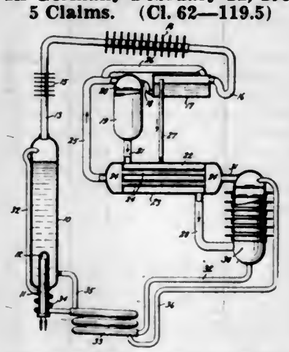
1. A bass keyboard for a wind instrument comprising a group of keys arranged in rows controlling tones in fifths alternating with fourths in each row, and an additional group of keys arranged in three rows controlling tones of the chromatic scale, said groups of keys being arranged closely adjacent each other and the rows of one group parallel with those of the other, whereby both groups of keys may be reached by the fingers of the left hand.

2,072,986
LUMINOUS TUBE SIGN
Harold Hotchner, San Francisco, Calif.
Application February 11, 1936, Serial No. 63,389
11 Claims. (Cl. 40—130)



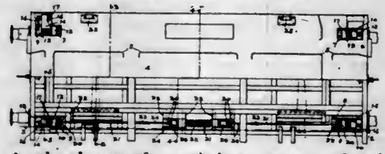
6. In combination, a sign face, a slotted character, means for supporting said character from said face, a luminous tube positioned in and following the extent of the slot in said character without touching the edges thereof, and separate means for supporting said tube from said face.

2,072,987
REFRIGERATION
Wilhelm Kögel and Nils Widell, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application January 25, 1934, Serial No. 708,172
In Germany February 11, 1933
5 Claims. (Cl. 62—119.5)



5. In a refrigeration system including a plurality of separate evaporation members adapted to operate at different temperatures and an absorption member, means to conduct liquid refrigerant through said evaporation members in series, and means to conduct an auxiliary agent through said evaporation members in separate parallel paths and then to said absorption member in a single common path.

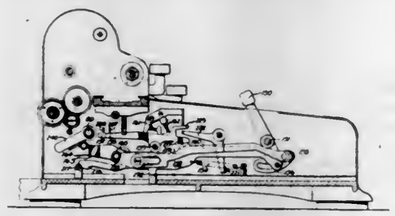
2,072,988
SHOCKPROOF CONTAINER WAGON
William Platts Kellett, Bronxville, N. Y.
Application September 6, 1935, Serial No. 39,404
8 Claims. (Cl. 105—159)



1. A shock-proof container wagon having a deck on which a container is adapted to movably rest for shock-relief displacement relative to said deck, clamping means displaceable relative to

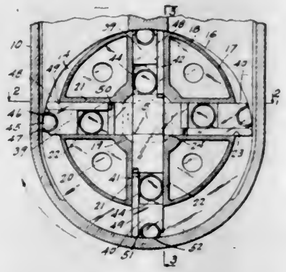
said deck and operatively connected in spaced relation to move positively and uniformly together relative to said deck on fore and aft shock impulse and exerting a positive non-yielding clamping pressure on the container structure placed therebetween, while permitting shock-relief displacement of the container on said deck and cushioning means opposing displacement of each of said clamping means in both fore and aft directions.

2,072,989
CALCULATING MACHINE
Gustav Lerch, Oakland, and Carl M. F. Friden, Piedmont, Calif., assignors to Marchant Calculating Machine Company, a corporation of California
Application September 3, 1929, Serial No. 390,184
Renewed September 25, 1935
8 Claims. (Cl. 235—63)



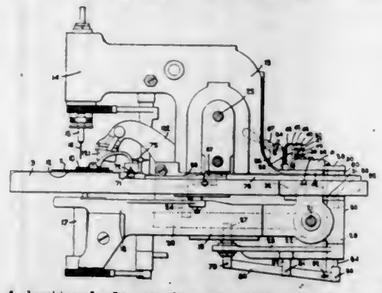
2. In a calculating machine, an element movable to initiate an automatic division operation, manual means for moving said element to effective position, means effective on return of said manual means for partially releasing said element, and means effective on completion of a significant portion of said operation for completing the release of said element to terminate the calculation.

2,072,990
COMPRESSOR
John Phillips, Oakland, Calif.
Application May 6, 1935, Serial No. 20,032
2 Claims. (Cl. 230—153)



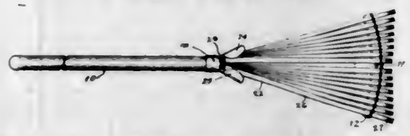
1. In combination with a compressor having a bore therein, a cross-slotted rotor, through-vanes fitting said slots, a rocking shoe on each end of said vanes contacting the surface of said bore, said vanes having terminal recesses extending along one side thereof and in the body of said rotor, one face of said recesses being of rotor material, and auxiliary vanes fitting said recesses held between vane and rotor material and movable in said recesses, said auxiliary vanes extending past said shoes to contact the surface of said bore.

2,072,991
BUTTONHOLE SEWING MACHINE
Joseph H. Pikul, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application January 26, 1934, Serial No. 708,415
31 Claims. (Cl. 112—71)



1. A buttonhole sewing machine having work-holding means and stitch-forming mechanism movable relatively in the direction of the length of the buttonhole and also movable relatively in a transverse direction, a barring cam device for producing relative transverse movement between the stitch-forming mechanism and work-holding means at the beginning and ending of the buttonhole, a follower element under the control of the barring cam device throughout the entire buttonhole sewing cycle, means to render said follower operative to control said relative transverse movement throughout the entire buttonhole sewing cycle except when sewing around the eye end of the buttonhole, and an eye-forming cam for producing such relative transverse movement while sewing around said eye end of the buttonhole.

2,072,992
RAKE CONSTRUCTION
Louis Potemkin, Pawtucket, R. I.
Application February 5, 1934, Serial No. 709,712
1 Claim. (Cl. 55—114)

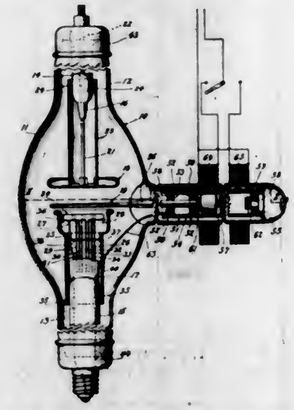


In a rake, a handle, a tine support member mounted on the end thereof and having tine engaging slots, a tine control member releasably lockingly mounted for adjustable movement on said handle, and a plurality of tines riveted at their ends to said control member and slidably mounted in said support member slots, said control member having flange elements positioned adjacent said riveted tine ends for protection against accidental impacts, and for limiting outward movement of said tines.

2,072,993
ELECTRONIC SWITCH
Clayton T. Ulrey, East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 30, 1933, Serial No. 663,501
5 Claims. (Cl. 250—36)

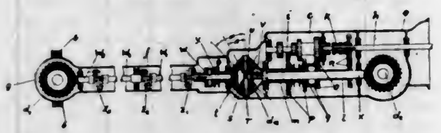
1. A switch comprising an envelope, an anode, a cathode, focusing means surrounding said cathode, and a control electrode therein, said

anode and cathode being spaced from each other, said control electrode being adapted to maintain a zero plate current while in a blocking position and to allow the flow of current between the anode and cathode when in another position, said control electrode being electrically connected by means wholly within said envelope to said cathode, said control electrode while in blocking position being closely adjacent said focusing means and obstructing the electron path between said cathode and said anode to



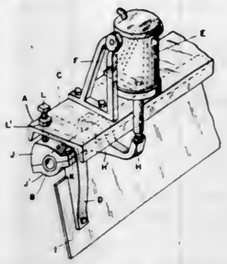
maintain a zero plate current and means for actuating said control electrode from said blocking position to operating position for allowing the establishment of a substantially unobstructed electron path between the anode and the cathode, said control electrode when actuated being movable in a direction at an angle to the effective electron path between the anode and the cathode, the space between said anode and cathode being substantially unobstructed when the control electrode is in said second mentioned position.

2,072,994
MOTOR VEHICLE
Max Wagner, Stuttgart, Germany, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application March 13, 1935, Serial No. 10,947
In Germany March 15, 1934
3 Claims. (Cl. 180—22)



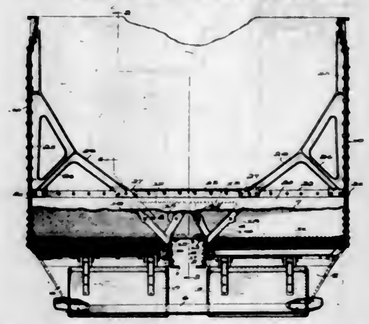
1. In a motor vehicle a differential gear, a shaft which is driven by the differential gear and conveys the drive to the wheels, a hollow shaft which drives the differential gear and surrounds the first named shaft, a second hollow shaft which is capable of being coupled with the first named hollow shaft and also surrounds the first named shaft, a main line of gear shafting which is parallel to the aforesaid shafts, pairs of toothed wheels which are permanently in mesh with one another and which connect one of the hollow shafts with the main line of gear shafting and pairs of sliding wheels which connect the other hollow shaft with the main line of gear shafting.

2,072,995
ROAD PLANER
George R. Wilcox, Cadillac, Mich., assignor to Pneu-Hydro Road Machinery Company, Cadillac, Mich., a corporation of Michigan
Application May 11, 1936, Serial No. 79,112
3 Claims. (Cl. 37—143)



1. In a road planer, the combination with a rockshaft, a scraper blade mounted on said rockshaft and resilient means for rocking the shaft in a direction to press the blade against the road bed, of an adjustable stop for limiting the rocking movement of said shaft.

2,072,996
RAILWAY HOPPER CAR
William E. Wine, Toledo, Ohio
Application May 4, 1936, Serial No. 77,844
11 Claims. (Cl. 105—249)

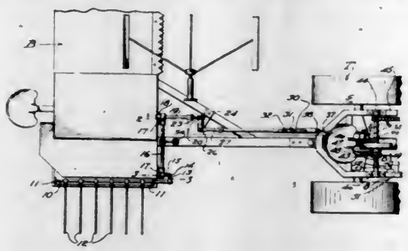


1. In a railway hopper car, the combination with the center sill and the car sides, of a composite cross bearer including a substantially vertical plate member extending transversely of the car above the center sill and a cast metal reinforcing member secured to the center sill and to the plate member, the outer ends of said reinforcing member being spaced inwardly from the car sides, and braces for the car sides respectively secured to the reinforcing member adjacent the outer ends thereof.

2,072,997
POWER TRIP FOR SHEAF RACKS
Clayton B. Wittstruck, Ethan, S. Dak.
Application October 17, 1936, Serial No. 106,224
6 Claims. (Cl. 56—22)

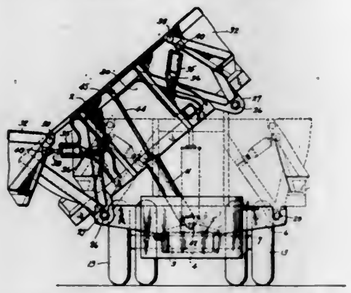
1. In a binder of the type having a sheaf rack movable between sheaf supporting and sheaf dumping positions, and a motor driven tractor attached to the binder; the combination of a linkage having one end connected to the sheaf rack for dumping the rack and having at its other end an actuating arm rockingly supported

on the tractor, operating means for operating the actuating arm, and foot operated means on



the tractor for connecting and disconnecting the operating means and the motor of the tractor.

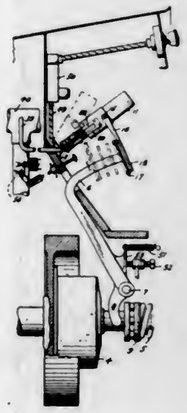
2,072,998
LOAD HAULING VEHICLE
George S. Allin, Seattle, Wash., assignor to Isaacson Iron Works, Inc., Seattle, Wash.
Application May 3, 1935, Serial No. 19,578
5 Claims. (Cl. 298—18)



1. A load hauling vehicle of the character described, comprising a wheel supported chassis, a body mounted by the chassis for dumping a load to either side, a gate for each side of the body, a means for actuating each gate, means movable to selectively govern the direction of dumping, devices operable under control of the said last means for automatically selectively actuating the gate toward which dumping is to take place, and means for actuating the body for dumping in either direction.

2,072,999
CONTROL MEANS FOR MOTOR VEHICLES
Charles A. Brewer, Noroton Heights, Conn., assignor of one-half to Philip J. Kury, Arverne, N. Y.
Application December 17, 1934, Serial No. 757,774
13 Claims. (Cl. 192—.01)

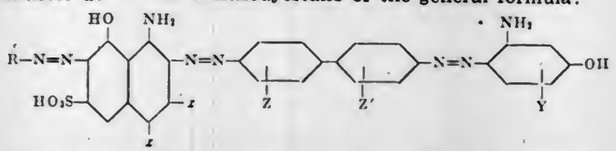
1. In apparatus of the class described, a driving member, a driven member, clutch means for drivably connecting said driving and driven members, a fluid pressure motor for disengaging said clutch means, means responsive to the speed of said driven member for controlling said fluid pressure motor, and means responsive to the



movement of said clutch means for varying the resistance of said fluid pressure motor to the engaging movement of said clutch means.

2,073,000
TRISAZODYESTUFFS
Heinrich Clingestein, Cologne-on-the-Rhine, and Eugen Glietenberg and Oskar Goos, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 14, 1933, Serial No. 702,424. In Germany December 21, 1932
5 Claims. (Cl. 260—74)

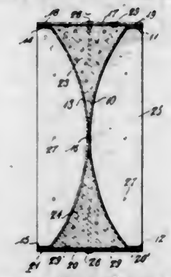
1. Trisazodyestuffs of the general formula:



wherein R stands for the radical of a diazotized aromatic amine, one x stands for a sulfonic acid group and the other x stands for a hydrogen atom, wherein Z and Z' stand for members selected from the group consisting of hydrogen, an alkyl, an alkoxy, halogen, the nitro group and the carboxylic acid group and wherein Y stands for a member selected from the group consisting of hydrogen, alkyl, alkoxy and halogen, being in the form of their alkali metal salts generally dark powders, dyeing cotton generally greenish to blue to black shades of good fastness to acids and dyeing the different fibres in mixed fabrics the same shades.

2,073,001
STUD
Edwin D. Coddington, Milwaukee, Wis., assignor to Reynolds Corporation, New York, N. Y., a corporation of Delaware
Application November 1, 1935, Serial No. 47,865
2 Claims. (Cl. 72—115)

1. A stud comprising a pair of arcuate relatively thin sheet metal members disposed in reverse, back-to-back relation so as to impart to the stud a centrally constricted transverse cross-section, each of said arcuate members having outwardly projecting terminal flanges, top and bottom cover members of relatively thin, nail-penetrable sheet metal overlying and extending

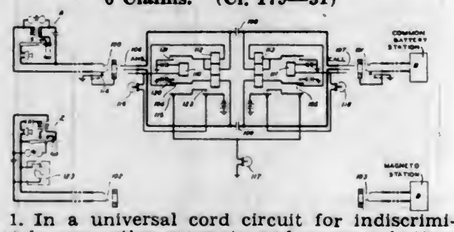


between corresponding flanges of the arcuate members and rigidly secured thereto to prevent longitudinal slippage, and a core of cementitious nailable material confined between the arcuate members and the top and bottom cover members whereby nails may be driven through the cover members into the cementitious core and securely retained therein.

2,073,002
CELLULOSE ETHER RECOVERY
William R Collings and Walter J. Le Fevre, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 6, 1936, Serial No. 67,419
8 Claims. (Cl. 260—152)

1. In a method of separating a lower alkyl ether of cellulose from the product obtained by reacting alkali cellulose with an etherifying agent at elevated temperatures under super-atmospheric pressure, the step which consists in discharging the cellulose ether-containing reaction product from the etherifying chamber into water maintained at its boiling point under the pressure employed, to precipitate the cellulose ether.

2,073,003
SWITCHBOARD CORD CIRCUIT
Wirt Edward Darrow, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 5, 1935, Serial No. 29,983
6 Claims. (Cl. 179—51)

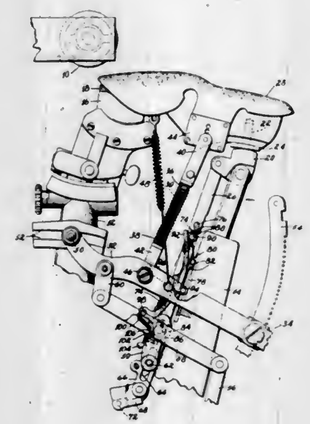


1. In a universal cord circuit for indiscriminately connecting magneto and common battery lines, supervisory relays, one for each end of said cord and connected in bridge thereto, a battery, and means responsive to conection of either end of the cord to a common battery line for connecting said battery in series with said respective relay and for reducing the effective winding turns thereof.

2,073,004
FIREPROOF MATERIAL
Rudolf Engelhardt, Leverkusen-I. G. Werk, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 6, 1933, Serial No. 696,923. In Germany November 22, 1932
3 Claims. (Cl. 91—68)

3. An organic fibrous material impregnated with a mixture of about 70 to 95 parts of a wax-like chlorine containing uninflammable substance selected from the group consisting of wax-like chlorinated naphthalenes and wax-like chlorinated diphenyls and about 30 to 5 parts of a chlorine containing uninflammable lacquer-forming compound selected from the group consisting of chlorinated rubber and polyvinylchloride.

2,073,005
MACHINE FOR PRESSING THE BOTTOMS OF SHOES
Andrew Eppler, deceased, late of Lynn, Mass., by Ella P. Eppler, executrix, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 11, 1936, Serial No. 79,018
In Germany February 27, 1936
12 Claims. (Cl. 12—34)

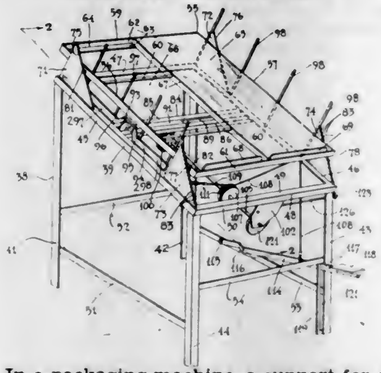


1. In a machine for pressing the bottoms of shoes, the combination with means for applying pressure progressively along the bottom of a shoe on a last, of a shoe support comprising a toe rest and a spindle for engaging the heel end of the last in its spindle hole, said spindle being mounted for tipping movements in directions toward and from said toe rest, a saddle for transmitting the pressure of said pressure-applying means to the shoe, means for forcing the saddle against the bottom of the shoe, and locking means for the spindle, said locking means comprising a member having a series of teeth thereon and a member arranged to be moved relatively to said first-named member in a direction lengthwise of said series of teeth in response to tipping movement of said spindle toward said toe rest and to cooperate with one of said teeth to lock the spindle against reverse tipping movement in the pressure-applying operation.

2,073,006
METHOD OF PROCESSING ARTICHOKES
Herbert E. Gray and Arvid M. Erickson, San Jose, Calif.
No Drawing. Application April 20, 1935, Serial No. 17,488
2 Claims. (Cl. 99—186)

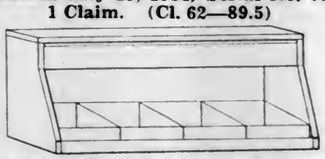
1. A method of canning artichokes comprising preparing the edible portion of the fresh artichoke, submerging the prepared pieces in a solution of acid while in cold, raw condition, applying a substantial vacuum to the solution and its contents, holding the vacuum for a brief period of time, releasing the vacuum, thereby causing thorough penetration of the acid solution through the artichokes, removing the pieces from the surrounding solution, sealing them in cans, and subjecting the sealed cans to a sterilizing step at approximately 212° F.

2,073,007
PACKAGING MACHINE
Paul W. Grow, Yankton, S. Dak.
Application August 26, 1935, Serial No. 37,903
12 Claims. (Cl. 226—129)



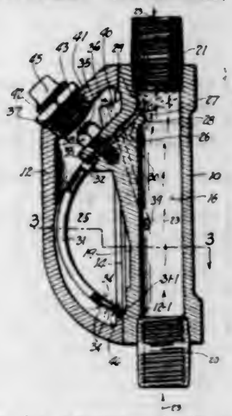
1. In a packaging machine, a support for a box having two portions to be drawn together, a stationary abutment at one side of the support for engagement with one of said portions, a guide extending across said support in the direction of said stationary abutment, a movable abutment guided by said guide for movement toward and from said stationary abutment and adapted to engage the other portion of the box, a rack movable with said movable abutment, a shaft rotatably mounted with respect to said support, a pinion carried by said shaft and meshing with said rack, a drum carried by said shaft, a cable fixed relative to said drum and encircling the same and a lever pivoted to said support and connected to said cable for operating said shaft to move the movable abutment toward the fixed abutment.

2,073,008
REFRIGERATING APPARATUS
Carl E. Haschke, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 19, 1934, Serial No. 736,013
1 Claim. (Cl. 62—89.5)



An apparatus for displaying and refrigerating merchandise comprising, a plurality of walls forming a single compartment having an open front, means adapted to support merchandise within said single compartment and along the bottom thereof, an air cooling unit within said single compartment and positioned above the bottom thereof to cause cooled air to fall gravitationally from said cooling unit onto the merchandise, a second cooling unit in thermal contact with said merchandise supporting means, the top wall of said plurality of walls of said single compartment extending over the major portion of the bottom wall thereof, said walls cooperating to shield merchandise supported therealong from relatively warm air exteriorly of said apparatus, a baffle closing an upper portion of the open front of said single compartment, said baffle being positioned in front of said first named cooling unit and spaced from the top wall of said compartment to provide an opening for the flow of air from the exterior of said single compartment over said first named cooling unit, and means for supplying a cooling medium to said cooling units.

2,073,009
OILER FOR TOOLS OPERATED BY FLUID PRESSURE
Henry J. Hersey, Jr., Seattle, Wash., and Ivar C. Andersen, Bingham Canyon, Utah
Application February 11, 1935, Serial No. 5,888
4 Claims. (Cl. 184—55)



1. An oiler for compressed air tools and the like, including a body portion having a main air passage therein, a cap disposed axially along the body portion and separably joined thereto along a plane, an oil reservoir defined at least partially by and within the cap in proximity to the main air passage, a suction nozzle opening into the main air passage, a curved depending oil conductor provided with an intake tip and extending from the nozzle into the lower interior of the cap in such a manner that the inside surface of said cap is tangent to the curve of the oil conductor, and the intake tip of the oil conductor has a bearing in proximity to the joint plane, and an air duct extending from said main air passage into the upper interior of the said cap.

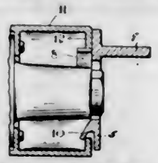
2,073,010
HALOGENATED ARALKYL-ARYL ETHERS
Harold S. Holt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 22, 1936, Serial No. 75,870
8 Claims. (Cl. 260—150)

1. Ethers having an aralkyl group joined to a mononuclear aryl group through an ether oxygen atom and containing a plurality of halogen atoms in each aromatic ring.

2,073,011
PERACETYLATED OIL
Leo P. Hubbuch, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 23, 1934, Serial No. 741,045
3 Claims. (Cl. 87—12)

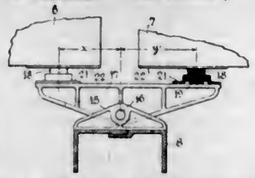
1. Process for the preparation of modified glycerides, which comprises heating to 100° C. a mixture of 1.67 parts by weight of olive oil, 8.37 parts by weight of glacial acetic acid, and 1 part by weight of a 30% solution of hydrogen peroxide in water, allowing the mixture to cool and to stand for 24 hours at room temperature, then distilling off the acetic acid by heating at 200° C., and blowing with carbon dioxide.

2,073,012
JACK ATTACHMENT
Campbell M. Hunter, London, England
Application March 1, 1935, Serial No. 8,829
4 Claims. (Cl. 254—133)



1. A device of the character described comprising a plate provided with a central opening, a pair of laterally spaced lugs extending from one side of said plate above said opening, a third lug extending from the same side of the plate below said opening and a step-like projection extending outwardly from the opposite side of the plate at a point between the opening and the upper edge of the plate.

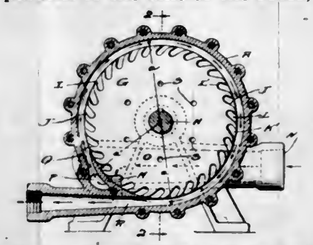
2,073,013
ARTICULATED TRAIN
Otto Jabelmann, Omaha, Nebr.
Application October 14, 1935, Serial No. 44,960
6 Claims. (Cl. 105—4)



1. In an articulated train structure, the combination of a truck; car body structures of unequal weight having adjacent ends carried by said truck; and side bearings comprising levers fulcrumed on the truck with their opposite ends in sliding supporting engagement with respective car bodies, the effective lever arms being approximately proportional inversely to the weights of the supported cars.

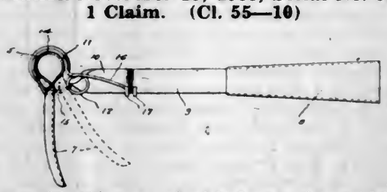
2,073,014
ROTARY PUMP
Irving C. Jennings, South Norwalk, Conn.
Application January 19, 1934, Serial No. 707,350
7 Claims. (Cl. 103—96)

1. In a rotary liquid pump, the combination of a casing having a circular chamber formed on a major section of larger diameter and a minor section of smaller diameter, a rotor turning therein and having peripheral buckets formed by forwardly pitched blades which bear peripherally only on the minor section, the bottoms of which buckets are made substantially semi-cylindrical on axes parallel to the axis of the rotor, whereby



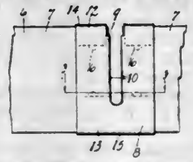
a circulation of liquid to and from each of the buckets is produced through the plane of direction of rotation of the rotor and an inlet and outlet for directing the liquid to and from said buckets.

2,073,015
RAKE
Fred F. Jordan, Hartford, Wis.
Application November 18, 1935, Serial No. 50,425
1 Claim. (Cl. 55—10)



In combination, a rake blade, a yoke, said blade having its upper edge rolled to form an integral cylindrical-like head, sleeves on the yoke and rockably embracing the head, said sleeves being formed with splits, a web forming part of the blade and extending from the head through the splits, and abutting the edges of the split to limit its rocking movement and spring means associated with the head and the yoke for normally urging the web into abutment with the forward ends of the splits, said spring means being in the form of a pair of elongated members of resilient material and bent to provide an intermediate convolute from one end of each of which extends a curved extension about the head in friction gripping engagement and abutting the opposite edges of the sleeve and terminating in an offset terminal positioned behind one of the teeth of the rake blade, and the other end of the convolute extending in an opposite direction from the first-mentioned extension and terminating in an offset hook-like portion to engage with the yoke.

2,073,016
SLAT FOR VENETIAN BLINDS
Guy W. Kirsch, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application October 5, 1934, Serial No. 746,948
17 Claims. (Cl. 156—17)



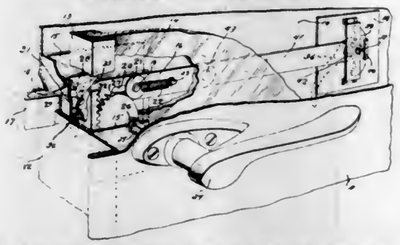
10. A slat for Venetian blinds, comprising a plurality of separate sections joined at their ad-

jacent ends by a sheet metal member having a slot therein extending to and opening at one end of said member and disposed to extend transversely of the slat for the passage of a lift cord through the slat, said member having its ends inturned to form inwardly facing channels to receive the ends of said sections and to clamp them.

2,073,017
LATCH MECHANISM

Emil Lefevre, Detroit, Mich., assignor to William H. Gross, Detroit, Mich., as trustee

Application July 16, 1934, Serial No. 735,530
4 Claims. (Cl. 292—172)



1. A latch mechanism for a door having a runway for a movable glass panel comprising, a latch bolt upon one side of the runway, a vertically reciprocable member mounted for movement between the runway and the free edge of the door, said member being formed with a pair of oppositely inclined cam surfaces provided with a dwell portion therebetween, a cam follower on said latch bolt engageable by one of said cam surfaces upon reciprocation of said member, and means on the other side of said runway for reciprocating said member.

2,073,018
PROCESS FOR THE TREATMENT OF LIGHT METALS AND THEIR ALLOYS

Henry Lepp, Cabourg, France, assignor to Compagnie Generale d'Electro-Metallurgie, Paris, France

No Drawing. Application August 14, 1933, Serial No. 685,084. In Germany August 15, 1932
2 Claims. (Cl. 75—68)

1. A process of purifying aluminum and magnesium and their alloys comprising adding to the molten metal a reducing agent capable of serving as a carrier of oxygen and being selected from the class composed of alkali metals, zinc, cadmium, sulfur and sulfurous acid; and then adding an oxidizer selected from the class composed of alkali chlorates, perchlorates, oxychlorides, bromates, iodates, perborates, permanganates, cyanates, nitrates and nitrites; and further adding a flux to the molten mass, the amount of reducing agent added being at least sufficient to protect the metal being treated from oxidation by the oxidizing agent added.

2,073,019
PROCESS FOR THE PURIFICATION OF METALS AND METALLIC ALLOYS

Henry Lepp, Cabourg, France, assignor of two-thirds to Compagnie Générale d'Electro-Metallurgie, Paris, France, and one-third to Société d'Electro-Chimie, d'Electrométallurgie et des Acieries Electriques d'Ugine

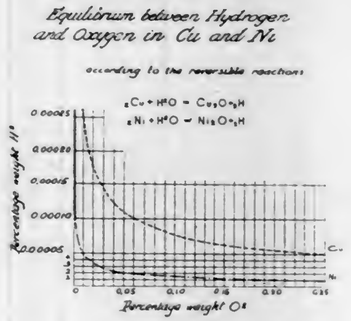
No Drawing. Application November 28, 1933, Serial No. 700,113. In the Netherlands November 28, 1932
3 Claims. (Cl. 75—93)

1. The process of purifying fused easily reducible metals and their alloys from impurities selected from the group consisting of sulphur, sulphur dioxide, hydrogen, carbon monoxide, carbon dioxide, nitrogen, and cyanogen, which comprises first extracting the sulphur and sulphur dioxide by treatment in a furnace with a slag and carbon, said slag containing components which form in the furnace a fused double barium-sodium carbonate, thereafter skimming the bath, and thereafter removing at least one of said remaining impurities by the addition of an oxygen supplying agent to said fused metals and their alloys.

2,073,020
METHOD OF IMPROVING THE PHYSICAL AND MECHANICAL PROPERTIES OF ALLOYS

Henry Lepp, Cabourg, France, assignor of two-thirds to Compagnie Générale d'Electro-Métallurgie, Paris, France, and one-third to Société d'Electro-Chimie, d'Electrométallurgie et des Acieries Electriques d'Ugine

Application January 10, 1934, Serial No. 706,080
In Germany January 10, 1933
4 Claims. (Cl. 75—76)



1. Process for improving the physical and mechanical properties of non-ferrous metals and alloys, including those resulting from the remelting of old metals, said metals and alloys consisting of copper, nickel, and their alloys including bronzes, said alloys containing at least one impurity in the group consisting of H, CO, CO_2, N, and CN, which comprises melting the metals or alloys in a non-oxidizing atmosphere and under an alkaline slag consisting of alkaline substances selected from the group consisting of barium compounds, strontium compounds, and alkali metal compounds, adding to the molten bath while at least hot enough to flow an oxidation-preventing agent comprising at least one element less noble than the least noble dominant element in the molten bath unless such less noble element is already present, said less noble element selected being free from properties which would lower the physical and mechanical properties of the refined metal or alloy, thereafter subjecting said molten bath to the action of an oxidizing flame and adding to said molten bath a predetermined quantity of metal oxids selected from the group consisting of the oxids of Cu, Ni, Mn, and Zn, the quantities of the less noble element added being such that at least a trace thereof remains in the refined metal or alloy, and that the quantities of the oxids added are proportioned to the maximum quantities of gaseous impurities possible in the molten mass, and absorbing the excess oxids and reaction products by said slag.

2,073,021
GERMICIDAL COMPOSITIONS

Raymond C. McQuiston, West Newton, Mass., assignor of twenty-five per cent to Errold B. Thomas, Newton, Mass., and twenty-five per cent to Calvin B. Smith, Boston, Mass.

No Drawing. Application June 20, 1933, Serial No. 676,765. Renewed December 14, 1934
4 Claims. (Cl. 167—70)

4. A composition of matter having germicidal properties including essentially free iodine peptized by ferric iodide, the ferric iodide being in sufficient amount to stabilize the system.

2,073,022
PROCESS FOR EFFECTING CARBAZOLE RING FORMATION OF COMPOUNDS OF THE ANTHRAQUINONE SERIES

Walter Mieg and Franz Wieners, Opladen, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

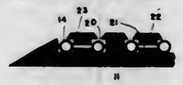
No Drawing. Application July 26, 1935, Serial No. 33,418. In Germany August 16, 1934
4 Claims. (Cl. 260—46)

1. The process which comprises causing aluminium chloride in the presence of such acid chlorides as are capable of forming molecular compounds with aluminium chloride to react upon secondary aromatic amines wherein at least one of the aromatic residues is an acylaminoanthraquinone residue and at least one orthoposition with respect to the imino group is unsubstituted in both of the residues.

2,073,023
AUTOMOBILE HEATER

Norbert Louis Obrecht, Pontiac, Mich.

Application September 30, 1935, Serial No. 42,945
7 Claims. (Cl. 257—256)

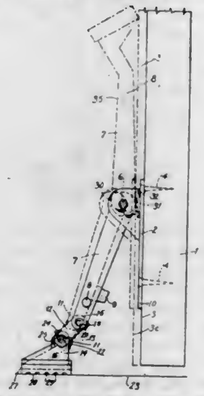


1. In a heating system for vehicle bodies, having flooring and having a mat covering the flooring, a heat exchange unit comprising a plurality of communicating tubes arranged in recesses formed in the top surface of the mat, and means for circulating a heated fluid through the tubes.

2,073,024
DOOR STOP

Myron P. Potter, Cleveland, Ohio

Application June 14, 1934, Serial No. 730,619
10 Claims. (Cl. 292—338)



1. A door stop mechanism for holding a door against hinging movement in one direction comprising a base element adapted to be secured to the door at a portion thereof above the floor over which the door swings, an elongated arm pivoted at one end portion to the base, a foot element having a portion engageable with the floor and connected to the arm by mechanical means comprising a pivot element pivotally supporting the foot element and permitting oscillatory movement of the foot and pivot element relative to a lower end portion of the arm, and an abutment on the arm normally spaced from the base element when the foot element is engaged with the floor and engageable by the base element after a predetermined closing movement of the door relative to the foot element.

2,073,025
SHOE BOTTOM UNIT AND METHOD OF MAKING THE SAME

Walter W. Prue, Auburn, Maine, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application July 20, 1933, Serial No. 681,331
22 Claims. (Cl. 36—76)

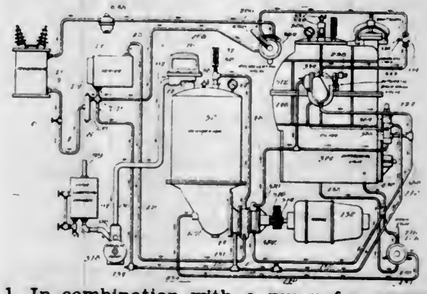


14. A reinforced shoe bottom unit comprising an innersole, a reinforcing piece secured to the heel and shank portions of the innersole, each of said parts being arched longitudinally and transversely and the innersole being arched transversely to a greater extent than the reinforcing piece, a longitudinally arched shank stiffener interposed between the innersole and the reinforcing piece, and fastenings securing together the marginal portions of the innersole and the reinforcing piece along the opposite edges of the shank stiffener and cooperating with the shank stiffener to retain the transverse arch of the innersole.

2,073,026
LIQUID PURIFYING APPARATUS AND PROCESS

Paul B. Renfrew and Raymond W. Bond, Fort Wayne, Ind., assignors to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a corporation of Indiana

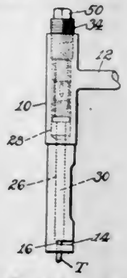
Application March 4, 1932, Serial No. 596,764
5 Claims. (Cl. 210—200)



1. In combination with a pump for pumping oil, oil filtering means connected thereto through which oil is adapted to be forced under pressure, a backwash pump, and a differential pressure valve comprising a casing having an inlet connection from the first mentioned pump and

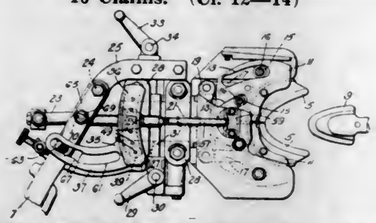
having a first outlet connection to the filter case, said outlet connection being controlled by a discharge valve adapted to be opened upon the creation of a fixed pressure in said casing, a piston operatively movable in said casing, adjustable spring means for normally moving the piston in one direction, the pressure of said spring means being constructed and arranged to be augmented by the pressure in said casing created in advance by said discharge valve, and by-pass connections from the backwash pump adapted to be covered and uncovered by means of the movement of said piston.

2,073,027
EDGING MACHINE
Fred Ricks and John Hunter Andrews, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 1, 1936, Serial No. 82,729
In Great Britain July 5, 1935
5 Claims. (Cl. 69—1)



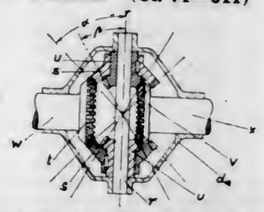
2. A machine for finishing the edge of a piece of leather comprising, in combination, a substantially U-shaped tool having legs, supports recessed to receive said legs, one of said supports being provided with a spring-pressed clamping member, and means to bring said clamping member into clamping position constructed and arranged to impart several turns to said member after it has been brought into contact with the leg of the tool.

2,073,028
LASTING MACHINE
William Thomas Buckingham Roberts, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 27, 1935, Serial No. 28,681
In Great Britain August 22, 1934
16 Claims. (Cl. 12—14)



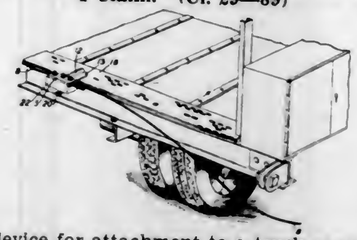
1. In a lasting machine, wipers for embracing an upper about the toe end of a last, means for effecting relative movement of said wipers and the last to wipe the upper heightwise of the last with the edges of the wipers closer to the sides of the last than to the end face of the last, a wiper-operating member, and means for imparting to the wipers by the movement of said member, after the wiping of the upper heightwise of the last, advancing movement lengthwise of the last with substantially no closing movement widthwise of the last until the edges of the wipers are substantially as close to the edge of the shoe bottom at the end of the toe as at the sides of the toe and for then imparting to them by further movement of said member simultaneous advancing and closing movements to wipe the marginal portion of the upper inwardly over the shoe bottom at the end and the sides of the toe.

2,073,029
MOTOR VEHICLE
Franz Roller, Stuttgart, Germany, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application March 11, 1935, Serial No. 10,549
In Germany March 15, 1934
1 Claim. (Cl. 74—311)



A differential gear for power driven vehicles for non-uniformly distributing the driving torque to a plurality of driven members, comprising two coaxial shafts, a bevel sun wheel on each of said shafts, said bevel sun wheels having substantially the same diameter and facing one another and a planet wheel carrier having at least one pair of planet wheels thereon comprising an outer bevel wheel rigidly connected to an inner bevel wheel, and having a larger pitch cone angle and larger diameter than the inner bevel wheel, one of the bevel sun wheels being in driving engagement with the outer bevel wheels of each pair of planet wheels and the other bevel sun wheel in driving engagement with the inner bevel wheels of each pair of planet wheels.

2,073,030
GUY CLAMP HOLDER
Joseph J. Sefcik, Jr., Morris Plains, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 25, 1936, Serial No. 60,865
1 Claim. (Cl. 29—89)

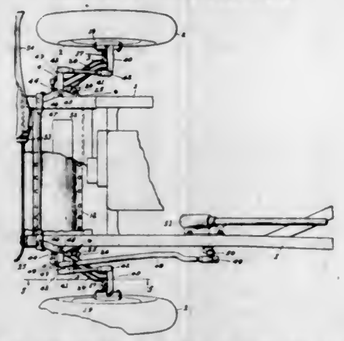


A device for attachment to a truck comprising a recessed clamp holding member, an extension on said holding member provided at one end with a downwardly extending protuberance adapted to engage a hole in the scuffle-board of a truck and at its other end with a screw-threaded lug and a set screw carried by said screw-threaded lug adapted to engage the lip of the scuffle-board said lug and said screw being in alignment with said protuberance.

2,073,031
ESTERS OF OCTADECANEDIOL
Caryl Sly, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 3, 1935, Serial No. 19,668
14 Claims. (Cl. 260—103)

1. An ester of 1,12-octadecanediol wherein at least one hydroxyl group is esterified by phthalic acid.

2,073,032
SPRING SUSPENSION FOR VEHICLES
Ralph J. Stimson, Flint, Mich.
Application November 19, 1934, Serial No. 753,682
18 Claims. (Cl. 280—124)

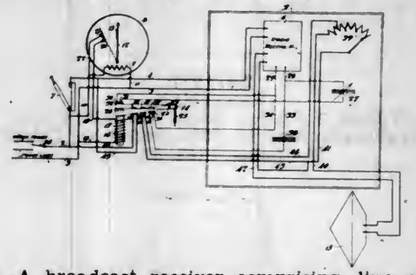


1. The combination with a vehicle having a frame provided with inwardly opening side members of channel section, and a pair of wheels disposed at opposite sides of the frame, of a pair of brackets secured to said side members and being arranged in transverse alinement relative to the frame, each bracket having a side portion overlapping the outer side of the side member and a bottom portion depending below the lower side of the side member, bolts connecting the side portion of each bracket to the web of the side member and the lower portion of the bracket to the lower flange of the side member respectively, a transverse cylindrical housing disposed under the frame between the lower portions of said brackets and containing a central bearing, end bearings in the lower portions of said brackets and in axial alinement with said central bearing, opposed spring actuating members independently rotatable in said central bearing, a stationary inwardly facing spring seat threaded into the lower portion of each bracket for rotary adjustment, a coiled torsion spring disposed between each seat and spring actuating member, a shaft journaled through each end bearing and having its inner end splined to a spring actuating member, a crank arm keyed to the outer end of each shaft and extending outwardly and rearwardly in a plane substantially parallel with that of the frame, a support member pivoted to the outer end of each arm and having an upwardly projecting arm, a link pivoted to the side portion of each bracket above the shaft and to the upwardly projecting arm of each support member, a tie bar connecting said crank arm and link, means including a bearing member and knuckle joint connecting each wheel to a support member for turning movement, means including bell crank levers pivoted to the tops of said brackets and a tie rod disposed above said frame for turning said wheels in unison to steer the vehicle, means including a clamping member threaded in the lower portion of each bracket for coaction with the spring seat to hold each end bearing in place, and a pin disposed through the lower portion of each bracket for keeping the spring seat and clamping member in adjusted position.

2,073,033
PHOTOGRAPHIC DUPLICATING PROCESS
Geza Szasz, Berlin, Germany
No Drawing. Application July 16, 1935, Serial No. 31,609. In Germany February 21, 1935
5 Claims. (Cl. 41—31.5)

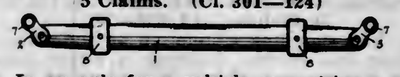
1. A process of duplicating printed matter and other documents having strongly contrasting lines, comprising forming a matrix carrying a washed out relief image by selectively exposing a light sensitized silver halide gelatin layer in accordance with an original representation, said layer being carried on a flexible imperforate support and being capable of reproducing strong contrasts, tanning the exposed portions of said layer with a developer and washing out the unexposed portions thereof, applying a water soluble dye of high tinctorial power to the relief image of said matrix, pressing said matrix on a second gelatin layer to transfer the dye image thereto and making impressions from the dye image on said second gelatin layer.

2,073,034
RADIO BROADCASTING AND COMMUNICATION SYSTEM
Nimmo C. Thyson, Miami, Fla.
Application May 20, 1933, Serial No. 672,078
3 Claims. (Cl. 250—20)



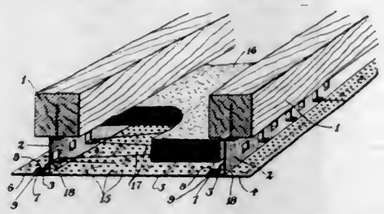
1. A broadcast receiver comprising, line circuits to supply variable power to the receiver, a manually actuatable switch to cut out the power supply, a shunt circuit including a relay to automatically close the circuit to the receiver when the power supply in the main lines is varied, means also operable by variations in the power supply to tune the receiver to a predetermined setting, and volume control means also operable by variations in the power supply to insure a predetermined volume of sound when the power supply is varied.

2,073,035
TUBULAR AXLE
Bertis H. Urschel, Bowling Green, Ohio
Application March 4, 1936, Serial No. 67,183
5 Claims. (Cl. 301—124)



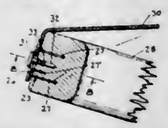
1. In an axle for a vehicle comprising a main axle having a part connected to the vehicle and having a pair of yokes, the arms of the yokes having stub-axle bearing surfaces and extending forwardly to locate the bearing surfaces in spaced relation to a plane of the part of the axle connected to the vehicle.

2,073,036
WALL ASSEMBLY
Paul A. Voigt, Ozone Park, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application December 28, 1934, Serial No. 759,533
6 Claims. (Cl. 189—88)



1. A ceiling assembly comprising a plurality of spaced supports including elements extending horizontally from the lower portions of the said supports and a plurality of panels of facing material supported upon the said elements, the panels being provided each at one edge with a hook-like portion engaging one of the said elements and at the opposite edge with an offset portion abutting against the hook-like portion of an adjacent panel, being engaged thereover, and preventing movement of the said hook-like portion in direction away from the said one of the elements and the said elements defining thereabove a free space permitting raising the said offset portion from its position of rest upon a said hook-like portion to permit lateral movement of the hook-like portion of one panel under the face portion of an adjacent panel.

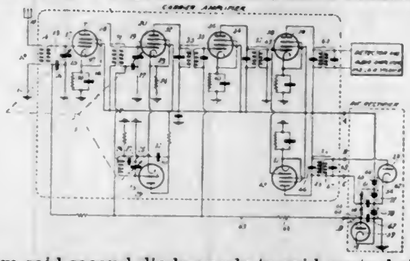
2,073,037
FASTENER
William J. Weber, South Norwalk, Conn.
Application May 15, 1934, Serial No. 725,725
16 Claims. (Cl. 85—11)



1. A fastener, for holding materials on supports, comprising a base member directly securable to the outside of the support and having an aperture with tapering side walls; a top member forming a direct work support; and a shank on the top member cooperating with the tapering side walls of the base member to hold the material on the support.

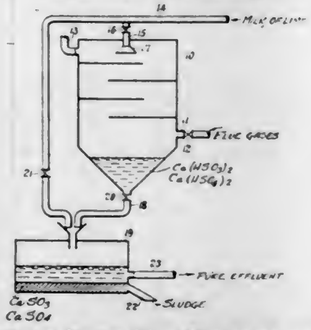
2,073,038
RADIO RECEIVING SYSTEM
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application March 9, 1934, Serial No. 714,784
20 Claims. (Cl. 250—20)

14. In a signaling system, an amplifier having cathode and control electrode, a direct voltage source having its negative end connected to said cathode, a high resistance having one end connected to the positive end of said source, a diode rectifier responsive to the output of said amplifier, said rectifier having an anode connected to a tap on said resistance and a cathode connected to a tap on said source, said taps dividing the resistance and the source in about the same ratio, a second diode having an anode connected to the other end of said resistor and a cathode connected to the amplifier cathode, and a connection



from said second diode anode to said control electrode, whereby the amplification is regulated automatically only when the signal exceeds the value required to carry said output electrode more negative than said amplifier cathode.

2,073,039
FLUE-GAS WASHING AND PURIFICATION
Thomas Owston Wilton, Norman Wilton, Herbert Edward Jackson Green, and Harold Cornwallis Mann, London, England
Application September 9, 1931, Serial No. 561,990
In Great Britain September 18, 1930
2 Claims. (Cl. 23—2)

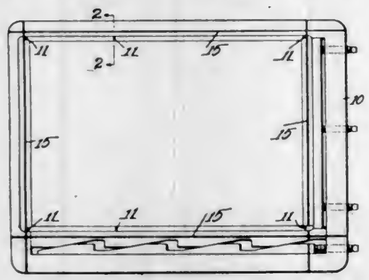


1. A process for washing flue gases containing SO_2 and SO_3 in two stages, which comprises washing the flue gases in the first stage with milk of lime in insufficient quantity to form the normal sulphite and sulphate so that bisulphite and bisulphate of calcium are formed, and in the second stage adding further milk of lime to the liquor in an amount sufficient so that the bisulphite and bisulphate are transformed into the insoluble normal sulphite and sulphate and precipitated as such, leaving a substantially pure effluent.

2,073,040
REGISTRATION OF PRINTING PLATES
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application March 3, 1932, Serial No. 596,474
Renewed August 13, 1936
3 Claims. (Cl. 101—395)

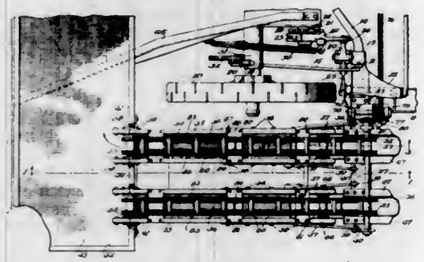
1. The method of preparing a series of matrices for use in producing a set of plates to be used for printing in different colors on the same surface which consists in making all of said matrices with perforations through them in their margins in the same place on each matrix and in locating

said matrices in the casting box, one after the other, with said perforations on the several mat-



rices in exactly the same place in the casting box, for the purpose described.

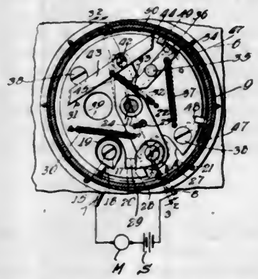
2,073,041
ONION SET HARVESTING MACHINE
John Wolter, Morton Grove, Ill.
Application June 16, 1936, Serial No. 85,547
14 Claims. (Cl. 55—138)



14. In an onion set harvesting machine, an upwardly inclined trough shaped conveyor frame, a plow at the lower end of the frame, arms rigidly connected to the frame and pivotally connected to the plow, said plow being spaced in advance of the frame, a trough shaped extension connected with the plow and telescoping into said frame, an endless conveyor in said frame having its lower run disposed in opposing parallel relation to the bottom of the frame and overlying a portion of the plow, flights on the conveyor, means for operating the conveyor, a guide extending in directions lengthwise of said frame for supporting and guiding the upper run of said conveyor, a pulley adjacent the lower end of the frame and over which the lower run of the conveyor passes, means mounting the pulley for adjustment towards and away from the bottom of said frame, and means for raising and lowering the plow with respect to said frame.

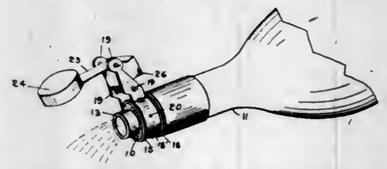
2,073,042
AUTOMATIC STOP FOR PHONOGRAPHS
Arthur F. Zeman, Chicago, Ill., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 29, 1929, Serial No. 358,768
10 Claims. (Cl. 192—124)

1. In an automatic stop device for phonographs having a pivoted tone arm which is normally swung on its pivot as an incident to the playing of a record, and a driving motor for rotating the record, the combination of means mounted entirely within the tone arm for controlling the operation of the motor and actuated



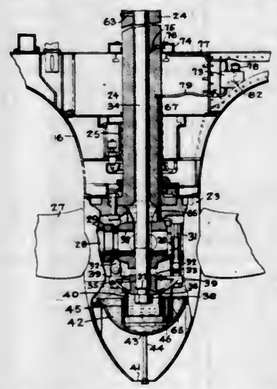
by the tone arm as an incident to its pivotal movement.

2,073,043
BOTTLE STOPPER
Wilhelm Albrecht, New York, N. Y.
Application February 26, 1935, Serial No. 8,244
2 Claims. (Cl. 215—73)



1. A bottle stopper, having an upper portion projecting above the neck of the bottle in which it is adapted to be secured, said portion including a band having upper and lower flanges, a spacing connection fastened about said band between the flanges thereof, and a counterweight cover attachment pivotally mounted in said spacing connection for closing the top of the stopper when the bottle is in a vertical position.

2,073,044
HYDRAULIC MACHINE
Albert W. Andrews, Dover, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application September 26, 1936, Serial No. 102,750
2 Claims. (Cl. 253—148)



1. In a hydraulic machine a runner having a hollow hub with a sump in the bottom thereof, a

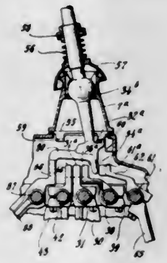
plurality of blades rotatably mounted in said hub, mechanism within the hub for rotating said blades, a shaft connected to the hub, said hub containing oil for lubricating the blade operating mechanism within the hub, a drain passage formed in said shaft and hub and terminating at one end in the sump and at the other end at a point in said shaft above said runner, and means adapted to be connected with said drain passage when the machine is inactive for withdrawing fluid in the bottom of the hub upwardly through said shaft.

2,073,045

POWER TRANSMITTING DEVICE

Benjamin B. Bachman, Philadelphia, Pa., assignor to The Autocar Company, Ardmore, Pa., a corporation of Pennsylvania

Application December 22, 1932, Serial No. 648,331
8 Claims. (Cl. 74—473)



1. A gear shifting mechanism for a change speed transmission having a plurality of slides, each embodying a jaw, mounted in a common plane for longitudinal movement, a shift lever supported from said transmission for movement in the direction of its longitudinal axis and for arcuate fore and aft and lateral movement, said lever embodying an axially alined jaw-engaging toe, means on said lever above said toe adapted to cooperate with a portion of said lever support to limit the lateral arcuate movement of said lever under pre-determined operating conditions to render the toe thereof engageable only with the jaws of certain of said slides a lateral extension on said lever forming a supplemental toe engageable only with the jaw of another of said slides in response to an initial movement of said lever on its longitudinal axis, whereby said limiting means will be rendered non-effective, to permit of the lateral movement of said lever to enter said supplemental toe in the jaw of said latter slide, a guideway on said lever support and means on said lever adapted to enter and traverse said guideway in response to and during the engagement of said supplemental tow with the jaw of said latter slide.

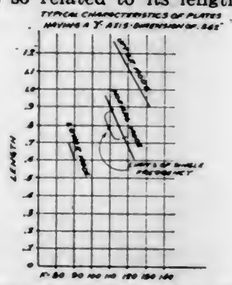
2,073,046

PIEZOELECTRIC ELEMENT

Charles F. Baldwin, Schenectady, N. Y., and Samuel A. Bokovoy, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application June 29, 1935, Serial No. 29,000
13 Claims. (Cl. 171—327)

2. A piezo-electric crystal element having its electrode faces lying in planes substantially parallel to a Y-axis and to the Z-axis, the length and width of each face being so proportioned that said element will oscillate at only one of several Y-modes normally possible when a random relation exists between length and width, and having its thickness so related to its length and width



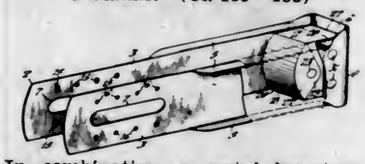
that it will also oscillate at an X-mode frequency which is a multiple of said one Y-mode frequency.

2,073,047

LUG STRAP FOR LOOM PICKER STICKS

Herbert J. Barnett, Danielson, Conn.

Application October 17, 1934, Serial No. 748,689
5 Claims. (Cl. 139—153)



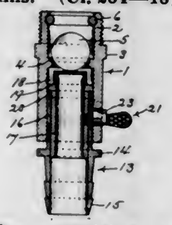
1. In combination, a metal lug-strap comprising opposite parallel arms joined together in a loop at one end, a rubber buffer-plug seated in the looped end of the strap, a metal sheath covering the forward contact face and two sides of the plug adjacent the contact face, and means for holding the sheath and plug in assembled relation in the loop of the strap.

2,073,048

SELECTIVE VOLUME CONTROL VALVE

Fred I. Clark, Oklahoma City, Okla.

Application February 15, 1936, Serial No. 64,073
7 Claims. (Cl. 284—18)



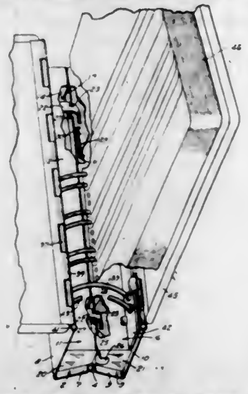
1. A control valve comprising: a substantially hollow and cylindrical valve body; a ball check valve in one end of said valve body; a movable substantially hollow valve stem in the other end of said valve body, its inner end adapted to engage and open said valve; and co-operating means carried by said valve body and said stem for varying the degree of penetration of said stem into said valve body and for lockingly maintaining relative positions of the two in any one of a number of desired relations, said cooperating means comprising an open ended slot having notched diagonal branches connecting with its inner end formed in said valve body, and a pivotally mounted eccentric pin carried by said stem for seating in the notches of said diagonal branches.

2,073,049

LOOSE LEAF BINDER

George H. Dawson, Chicago, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts

Application December 29, 1934, Serial No. 759,611
6 Claims. (Cl. 129—17)



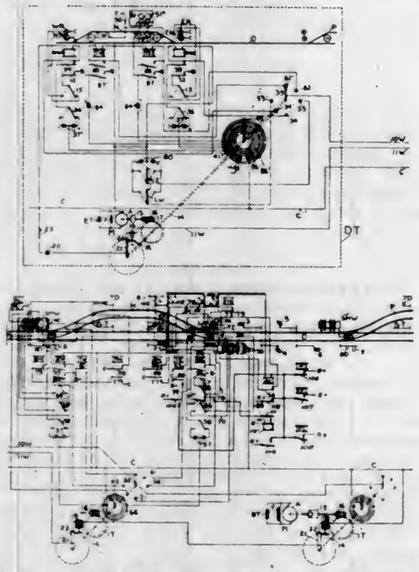
1. In a loose leaf binder, a back section, a prong carrying plate slidably secured to said back section, and an outer cover member hinged to said prong carrying plate whereby said prong carrying plate may be slid by manipulation of said outer cover member.

2,073,050

TRAIN DISPATCHING SYSTEM FOR RAILROADS

Oscar H. Dicke, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application April 2, 1927, Serial No. 180,475
26 Claims. (Cl. 246—3)



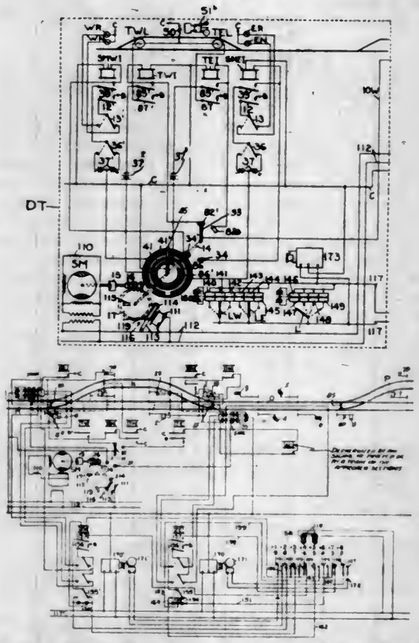
1. In a train dispatching system of the synchronous selector type wherein control or indication impulses for controlling a particular relay can be transmitted at a particular instant in a time cycle of operation of a synchronous selector only, the combination with an indicating relay at a dispatcher's office, of a distant track circuit including a track relay, and a synchronous selector system for intermittently electrically controlling said indicating relay to a particular position depending on the condition of energization of said track relay and including means for tending to cause said indicating relay to assume another position just prior to said instant in the next time cycle.

2,073,051

TRAIN DISPATCHING SYSTEM FOR RAILROADS

Oscar H. Dicke, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Original application April 2, 1927, Serial No. 180,475. Divided and this application August 3, 1929, Serial No. 383,227
10 Claims. (Cl. 246—3)



1. In a train dispatching system of the wayside signal indicating type, the combination with a local office and a plurality of way stations, track switches and signals at each of said way stations, a detector track circuit associated with each of said track switches, and a selector system of the multiple distinctive code type wherein each code is characterized by a plurality of distinctive impulses for controlling said switches and signals in response to manual supervision originating at said local office, and another selector system of the synchronous sequential indicating type for sequentially indicating the positions of said track switches and the occupancy of said detector track circuits, whereby codes may be taken advantage of where manual supervision is available and sequential non-interfering communication is rendered available where changes at a plurality of locations occur automatically.

2,073,052

MANUFACTURE OF CELLULOSE DERIVATIVES AND IN PLASTIC PRODUCTS, ETC.

Henry Dreyfus, London, England

No Drawing. Application November 2, 1935, Serial No. 48,045. In Great Britain November 26, 1934

11 Claims. (Cl. 260—101)

1. Process for the manufacture of nitrogen-containing cellulose derivatives, which comprises reacting with ammonia under anhydrous conditions a cellulose ester of an acid containing an unsaturated aliphatic radicle, and effecting such reaction under conditions in which substantially no saponification of the cellulose ester is effected.

2,073,053

PRESSURE VESSELS FOR USE AT LOW TEMPERATURES

Jesse C. Ducommun, Hammond, and Joseph W. Yant, East Chicago, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application December 22, 1934, Serial No. 758,771

2 Claims. (Cl. 148—31)

1. A pressure vessel made from a low carbon steel containing from about .05% to about .25% carbon, having a Charpy impact value in excess of 50 ft. lbs. at —25° F. and possessing a micro-crystalline structure which renders said pressure vessel suitable for use in the handling of liquefied gases wherein said pressure vessel is cooled rapidly by evaporation of said liquefied gases to temperature below 0° F., said micro-crystalline structure being engendered by a heat treatment comprising quenching said steel pressure vessel from a temperature within the range from about 1600° F. to about 1800° F. and subsequently soaking the quenched pressure vessel at a temperature within the range from about 1275° F. to about 1400° F. for a period of at least one hour and thereafter gradually cooling to ordinary temperatures.

2,073,054

PROCESS OF PRODUCING PURE SOAPS FROM OXIDIZED NONAROMATIC HYDROCARBONS

Hans Franzen, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application October 17, 1934, Serial No. 748,717. In Germany October 19, 1933

4 Claims. (Cl. 260—122)

1. The process of producing pure soaps from oxidized non-aromatic hydrocarbons of high molecular weight which comprises dissolving the said oxidized hydrocarbons in a water-insoluble solvent, treating the solution obtained with an aqueous solution of a water-soluble alkaline-reacting substance in the presence of a lower aliphatic alcohol, separating the aqueous solution and extracting therefrom the unsaponifiable constituents by means of a water-insoluble solvent.

2,073,055

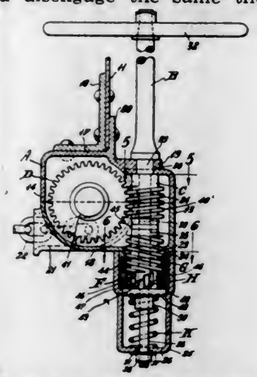
HAND BRAKE

Henry Fuchs, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application March 25, 1935, Serial No. 12,788

20 Claims. (Cl. 74—505)

1. In a hand brake mechanism, the combination with a rotary winding element; of a worm wheel connected to said element for rotating the latter; a rotary worm engageable with the worm wheel for rotating the same; actuating means for rotating the worm; and means for positioning said worm to engage the same with the worm wheel and disengage the same therefrom, including a fixed nut member, a screw in threaded engagement with the nut member and mounted for rotary movement with respect to the worm, and means for effecting connection between the actuating means and screw for rotating the latter.



2,073,056

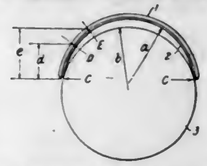
CURVED STEREOTYPE PRINTING PLATE

William Gerrard, Timperley, England, assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application November 1, 1935, Serial No. 47,830

In Great Britain November 6, 1934

6 Claims. (Cl. 101—375)



1. A curved stereotype printing plate having on its concave surface a plurality of longitudinally spaced circumferential ribs presenting a greater amount of rib metal longitudinally of the plate in the region of the centre of the plate than at the edges thereof.

2,073,057

WATER-SOLUBLE BACTERICIDALS

Paul Goedrich, Elizabeth, N. J.

No Drawing. Application April 6, 1933, Serial No. 664,772

13 Claims. (Cl. 167—31)

5. As new products, clearly water-soluble bactericidal solutions comprising a largely de-proteinized sulphonated oil, a phenolic compound possessing inherent bactericidal properties in solution in such sulphonated oil, and a polyhydric alcohol capable of dissolving the residual proteins remaining in the de-proteinized oil.

10. The process of making clearly water-soluble solutions of phenolic compounds possessing inherent bactericidal properties, but in themselves insoluble, or but sparingly soluble, in water, comprising the steps of de-proteinizing a sulphonated fatty oil, and dissolving therein the phenolic bactericidal compound with the aid of heat, and adding a polyhydric alcohol in sufficient quantity to dissolve the residual amounts of protein remaining after de-proteinization of the oil.

2,073,058

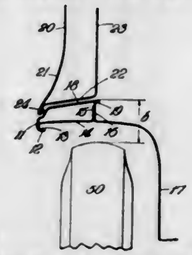
VEHICLE

Reginald Charles Greene, Oxford, England, assignor to Pressed Steel Company Limited, Oxford, England, a British company

Application May 5, 1936, Serial No. 77,962

In Great Britain May 8, 1935

6 Claims. (Cl. 296—28)



1. In a vehicle body, the combination with a sheet metal side wall or tonneau stamping having, in the wheel housing region, its lower margin located outwardly of the wheel plane and formed with an inwardly extending flange, of a sheet metal wheel housing panel having its outer margin secured directly to said flange and serving simultaneously as a fender or mudguard for the rear wheel and as a strong reinforcement for the said side wall or tonneau stamping providing in effect a hollow cross-section arched frame member conforming generally to the contour of the fender or mudguard.

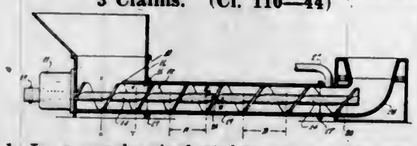
2,073,059

MECHANICAL STOKER

Bernard Morse Guthrie, Chicago, Ill., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

Application June 6, 1935, Serial No. 25,236

3 Claims. (Cl. 110—44)



1. In a mechanical stoker, in combination, a hopper, a conveyor duct, a retort, a conveyor worm arranged to transfer fuel through the duct from the hopper to the retort, means projecting from a blade portion of the worm tending to pack the fuel in an intermediate zone of the duct, and means for supplying an auxiliary air stream under a positive pressure to a zone of the duct between said zone of packed fuel and the retort, the packed fuel in said intermediate zone of the duct coacting with said air supply means to direct said air stream toward and beneath the fuel bed in the retort.

2,073,060

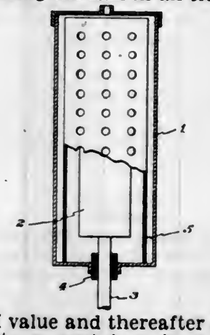
CAPACITOR

Arthur T. Harding, Audubon, and Frank S. Dunleavey, West Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application January 31, 1934, Serial No. 709,116

10 Claims. (Cl. 175—315)

1. The method of manufacturing wet electrolytic capacitors which comprises forming an anodic film on an aluminum electrode in a film-forming electrolyte having a predetermined pH value, stabilizing the film in an electrolyte having



a higher pH value and thereafter assembling the electrode into a container in a film-retaining electrolyte having a higher pH value than that of the first forming electrolyte.

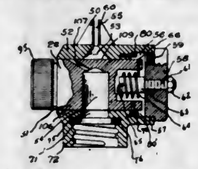
2,073,061

PERFUME DISPENSER

Paul P. Hein, New York, N. Y., assignor to Perfumeter Corporation, New York, N. Y., a corporation of New York

Application December 16, 1933, Serial No. 702,748

11 Claims. (Cl. 221—106)



1. In a device for vending perfumes, a container for said perfume; a valve connected to said container, said container being normally in a vertical position to keep said perfume out of contact with said valve; means for rotating said container to an inverted vertical position for permitting perfume to flow through said valve; and means for continually maintaining said perfume in a perfect seal through said valve for preventing vaporization.

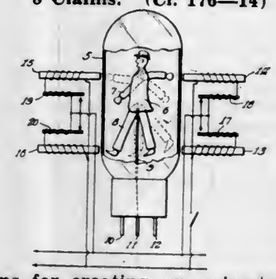
2,073,062

ANIMATED FIGURE NEGATIVE GLOW DEVICE

Andrew F. Henninger, Jr., Chicago, Ill.

Application June 6, 1931, Serial No. 542,512

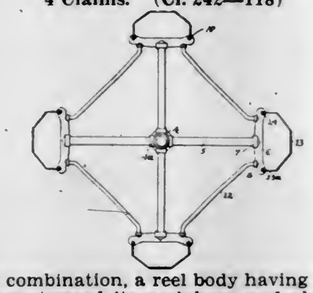
8 Claims. (Cl. 176—14)



1. Means for creating an animated effect in negative glow devices comprising a gas filled envelope having therein a plurality of electrodes some of which are movable so constructed as to

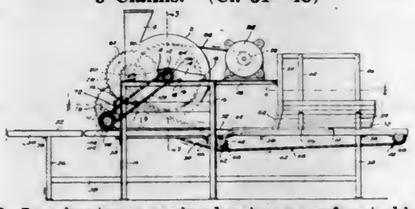
simulate a figure capable of motion, said electrodes having means for connection to a source of current supply whereby they may be caused to glow by passage of current therebetween, and means outside of said envelope for causing relative movement between the electrodes while they are glowing, said last named means including a plurality of opposed devices capable of attracting said movable electrodes, and mountings for said movable electrodes whereby they may move toward and away from said devices.

2,073,063
REEL
Maurice G. Hinnekens, Paterson, N. J.
Application October 30, 1935, Serial No. 47,399
4 Claims. (Cl. 242—118)



1. In combination, a reel body having an aperture open toward its periphery and also in one direction in which the reel axis extends, means affording the periphery of the reel and including an element formed of stiff sheet material and extending lengthwise of the reel axis and having an edge portion received in said aperture, and a wedge driven into the aperture in a direction lengthwise of said axis and binding said edge portion therein.

2,073,064
BEATER
Frank L. Ireland, Norwich, and Frank L. Chappell, Hobart, N. Y.
Application October 12, 1934, Serial No. 748,072
3 Claims. (Cl. 31—48)



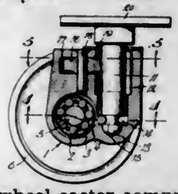
3. In a beater, a casing having a perforated bottom forming substantially a segment of a cylinder, a paddle wheel mounted to turn in said casing substantially on the axis of said cylinder, blades carried by said wheel at a distance from the axis approximating that of said perforated bottom and each so inclined to the radius of rotation as to effect a wiping action, each of the perforations of said bottom presenting an inwardly projecting lip on the far edge of the perforation with respect to the direction of movement of a blade passing thereover, said lip being defined by intersecting circles eccentric to each other, means for driving said paddle wheel, and means operating in timed relation to the operation of said paddle wheel for successively presenting trays beneath said casing bottom to receive the material operated upon by said beater.

2,073,065
CHAIR
Herbert M. Kahn, Appleton, Wis.
Application July 6, 1936, Serial No. 89,135
2 Claims. (Cl. 155—172)



1. In a high-chair having a seat supported on front and rear legs and a rung connecting said front legs, stay rods connecting said seat and said rung, a foot rest on said rods free from contact with said front legs comprising a front section and a rear section embracing said stay rods, and means for adjustably clamping said sections on said stay rods.

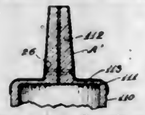
2,073,066
CASTER
George J. Kalberer, Hamilton, Ohio
Application March 9, 1936, Serial No. 67,796
3 Claims. (Cl. 16—36)



1. A plural wheel caster comprising a carriage, a roller bearing for the journal of the wheels of the caster housed and axially confined within said carriage, a journal cooperatively engaged with said roller bearing and projecting beyond opposite sides of said carriage, carrying a wheel respectively at each of its opposite ends, a spindle projecting into a cavity in said carriage tangential to the wheel journal cavity, having a semi-spherical extremity seating in a socket as a terminal for said cavity, a U-shaped clip encased within the carriage laterally of the spindle and engaging within an annular groove therein for confining the spindle against axial displacement, and a roller journal within said carriage for peripheral contact with the spindle providing a lateral anti-friction bearing therefor.

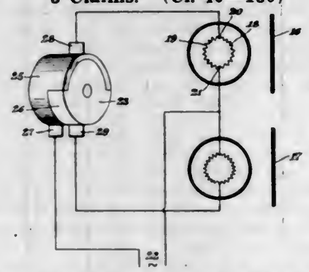
2,073,067
SYRINGE
Max Klein and George Grunberg, New York, N. Y.
Application November 14, 1936, Serial No. 110,840
15 Claims. (Cl. 128—215)

15. The method of reinforcing the shoulder and tip portions of a glass syringe, which consists of roughening the surface of these portions, providing unevenness at the roughened surface, electrodepositing upon the roughened and uneven surface first a relatively soft metal, then a hard metal so that the metals engage said



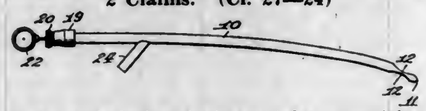
unevenness and form anchoring points for the metal in the glass, subjecting the glass to an annealing temperature, thereby eliminating stresses in the glass and simultaneously fusing the metal onto the glass.

2,073,068
ILLUMINATED SIGN
Max Knobel, Arlington, Mass., assignor to Varilux Holding Corporation, Limited, Nassau, Bahama Islands, a company of the Bahama Islands
Application January 14, 1936, Serial No. 59,020
3 Claims. (Cl. 40—130)



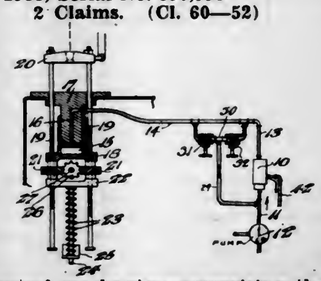
1. A sign device comprising indicia and background portions of contrasting non-neutral colors, the color of one of said portions being deficient in the distinguishing hue of the other portion which is deficient in the distinguishing hue of the first portion, means for alternately illuminating the sign with light of the same color as the indicia portion and light of the same color as the background portion, said means being operative at a frequency within the range defined on the one hand by the frequency at which a continuously retained retinal impression begins with respect to said colors and on the other hand by the frequency at which persistence of vision becomes wholly effective and comprising a pair of incandescent electric lamps, each lamp having its filament composed of sections connected in parallel whereby the lag between initial current flow and full incandescence of said filament is unobjectionable at the operating frequency of the lamp and means for alternately energizing said lamps at the desired frequency.

2,073,069
EMBALMING DRAINAGE TUBE
Raymond Lee, Tucson, Ariz.
Application July 27, 1936, Serial No. 92,797
2 Claims. (Cl. 27—24)



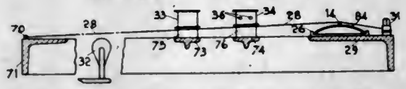
1. An embalming drainage tube comprising an elongated tubular member provided at its forward end with a pair of oppositely disposed inlet openings, a short tubular member seated in said tube to the rear of said openings, a rearwardly opening check valve carried by the rear portion of said tubular member, a piston arranged for reciprocatory movement within the body of the tube, said piston being provided with a longitudinally disposed opening, a rearwardly opening check valve carried by the rear end of said piston, a flexible piston rod connected to said piston and extending rearwardly through the body of the tube and there being a discharge opening formed in the rear portion of said tube.

2,073,070
FLUID PRESSURE REGULATOR
Robert B. Lewis, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application October 12, 1932, Serial No. 637,394. Divided and this application September 26, 1933, Serial No. 690,993
2 Claims. (Cl. 60—52)



1. A control mechanism comprising the combination of a pump, a load applying mechanism, a conduit for pressure fluid leading from said pump to said load mechanism, a control valve in said conduit for adjusting the rate of flow therethrough; a casing having a conduit forming a by-pass for fluid discharged from said pump, a spring actuated check valve for controlling said by-pass, a piston having an operating area greater than the like area of said check valve, means to transmit movement of said piston to said check valve to supplement the action of said spring, and means including a pipe for subjecting said piston to the back pressure from said loading mechanism.

2,073,071
INSTRUMENT PRODUCING MUSIC
Walther Nernst, Berlin, Germany
Application January 3, 1934, Serial No. 705,047
In Germany January 4, 1933
12 Claims. (Cl. 84—1)



1. In a system for reproducing sounds, comprising a stringed musical non-resonant instrument, the strings of which are stretched between their ends over a support carried by a non-resonant frame and capable of being mechanically actuated to vibrate; electrical means arranged close to said strings adapted to be electrically influenced directly by said strings themselves on vibrating; amplifying means of the so directly induced electrical impulses and means for acoustically reproducing the so amplified impulses—the novel feature of a support for said strings, said support capable of vibrating at selected fre-

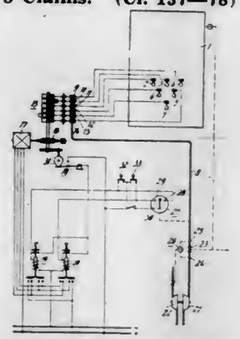
quencies within the audible frequency range of vibrations of said strings, thereby damping said selected vibrations of said strings.

2,073,072

REGULATING APPARATUS

Werner Pontow, Berlin-Wilmersdorf, and Günther Schroeder, Berlin-Charlottenburg, Germany

Application May 1, 1935, Serial No. 19,152
In Germany February 13, 1934
8 Claims. (Cl. 137—78)



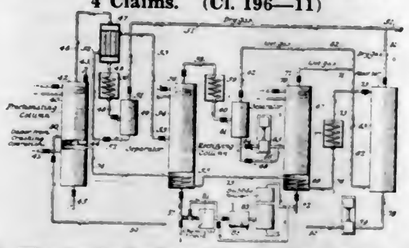
2. In apparatus of the character described, a plurality of nozzles, a conduit for supplying fluid medium to the nozzles, means for delivering fluid medium to the conduit, means for regulating the last-named means to cause the latter to deliver fluid medium quantitatively to the conduit in accordance with operating requirements of the apparatus, and means for regulating the pressure in said conduit and including means for opening one or more nozzles in case of increase in pressure and for closing one or more nozzles in case of decrease in pressure.

2,073,073

STABILIZATION OF LOW BOILING HYDROCARBON OILS AND PARTICULARLY CRACKED HYDROCARBON VAPORS

Joseph K. Roberts, Hammond, and George W. Watts, Whiting, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application November 25, 1931, Serial No. 577,186
4 Claims. (Cl. 196—11)



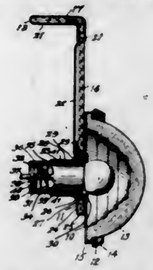
1. The method of stabilizing and refining hot hydrocarbon oil vapors derived from the cracking of higher boiling oils and consisting largely of constituents boiling in the gasoline range but containing other constituents which are not desired in the final product because of excessive volatility or because of insufficient volatility, which comprises passing such vapors into a primary fractionating zone maintained under conditions adapted to condense only those undesired constituents which are of insufficient volatility, removing the vapors from said primary fractionating zone, cooling said vapors to condense hydrocarbons substantially all of the gasoline boiling range and separating these condensed hydrocarbons without reduction of pressure from uncondensed dry normally gaseous hydrocarbons which are discarded, passing the said condensed hydrocarbons into a secondary fractionating zone maintained under a pressure lower than that of the primary fractionating zone and rectifying the hydrocarbons in the said secondary fractionating zone to produce a condensed stabilized heavy gasoline boiling entirely within the gasoline range and an uncondensed overhead fraction, passing the uncondensed overhead fraction into a tertiary fractionating zone to produce a condensed stabilized light gasoline boiling entirely within the gasoline range and an uncondensed wet gas fraction comprising butane and lower boiling hydrocarbons, withdrawing the said condensed stabilized heavy gasoline from the secondary fractionating zone, chemically treating said heavy gasoline and thereafter blending it with the condensed stabilized light gasoline withdrawn from the tertiary fractionating zone to produce a finished stabilized gasoline, passing the said wet gas fraction into an absorption zone, withdrawing and cooling part of the condensate from the primary fractionating zone and passing such withdrawn part to the absorption zone wherein butane and other desired higher boiling hydrocarbons are absorbed from the wet gas being passed therethrough, withdrawing and discarding the unabsorbed propane and lower boiling hydrocarbons as a dry gas, withdrawing the enriched condensate from the absorption zone and returning it to the primary fractionating zone wherein the absorbed butane and higher boiling hydrocarbons are released therefrom.

2,073,074

VEHICLE LAMP

Henry J. Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut

Application March 2, 1935, Serial No. 9,043
3 Claims. (Cl. 240—8.3)



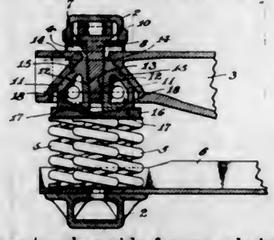
1. A flexibly mounted vehicle lamp comprising a lamp casing having a back portion and a rim portion, said back portion having an aperture therein, a lens carried by said casing, a flexible strap member having an aperture near its lower end adapted to register with said aperture of said casing, a clip member embracing and enclosing the vertical edges of the lower apertured end of said strap member comprising a tubular member of rectangular cross section, two opposed sides of which are apertured to register with the apertures of said strap member and casing and the other two opposed sides of which enclose said vertical edges of said strap member, a tubular socket supporting member engaged through said apertures of said strap member, said clip member and said casing and securing them together, a lamp socket mounted in said tubular member, and means secured to said strap member for attaching the same to a vehicle.

2,073,075

CAR TRUCK

James A. Shafer, East Cleveland, Ohio, assignor to National Malleable & Steel Castings Company, Cleveland, Ohio, a corporation of Ohio

Application July 1, 1930, Serial No. 465,094
15 Claims. (Cl. 105—197)



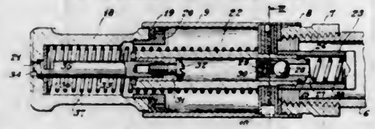
2. In a car truck, a side frame, a bolster, springs on said side frame for supporting said bolster, a friction member mounted on said side frame above said bolster, friction shoes engageable with said member, and means on said bolster for wedging said shoes against said member to dampen vibrations of said springs.

2,073,076

DISPENSING DEVICE

Clarence M. Smith, Cleveland, Ohio

Application November 2, 1931, Serial No. 572,507
4 Claims. (Cl. 299—83)



1. A foam or lather producing device comprising two concentric cylinders, pistons arranged to reciprocate in said cylinders, connections between said pistons whereby they may be simultaneously moved, a liquid supply line connected to one of said cylinders, a slide valve in said cylinder having a passage therethrough interposed in the path of liquid passing from the supply line to the cylinder, a check valve controlling said passage to admit liquid to said cylinder, a port from said cylinder arranged to be covered by said slide valve in the position which the parts occupy when the device is not being actuated and exposed when said valve is actuated upon motion of said pistons from their normal position, a chamber with which said port communicates, a second discharge port between the other cylinder and said chamber, and a discharge passage from said chamber to the exterior of the device.

2,073,077

BRAZING SOLDER

Cyril Stanley Smith, Cheshire, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut

No Drawing. Application May 18, 1932,
Serial No. 612,158
2 Claims. (Cl. 75—154)

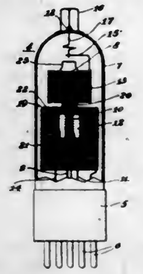
1. A brazing solder composed of tin from 13% to 17%, phosphorus from 3.5% to 5.5%, and the balance copper.

2,073,078

ELECTRON DISCHARGE DEVICE

Jerome C. Smith, Merchantville, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application February 25, 1933, Serial No. 658,493
11 Claims. (Cl. 250—27.5)



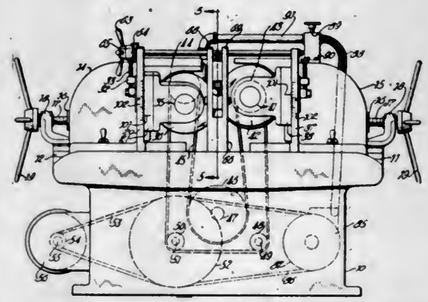
1. An electron discharge device including cathode means, screen grid means, a control grid, two anodes, said screen grid means being interposed between said anodes and arranged electrostatically to shield said anodes from each other, and a second control grid electrostatically shielded from the first control grid and said anodes by said screen grid means.

2,073,079

LAPPING MACHINE

Frederick J. Theler, Cincinnati, George V. Johnston, Loveland, and Willetts Peaslee, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio

Application July 15, 1932, Serial No. 622,662
15 Claims. (Cl. 51—103)

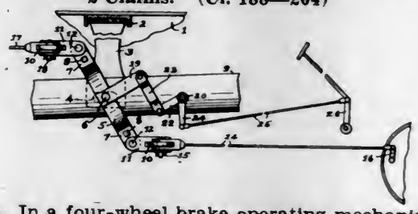


15. The art of perfecting cylindrical articles by removing elongated projecting ridges from the surface thereof which consists in advancing said articles endwise at constant speed along a path in which they contact the concave periphery of an abrasive member of fine grit along a helical line which extends from end to end of the member and which bridges a plurality of said ridges at an acute angle, rotating said articles at constant speed as they advance and simultaneously rotating said abrasive member about an axis with a radius shorter than the axial length of the member and at a speed which is below and only a fraction of the effective cutting speed of a grinding wheel, whereby the abrasive action of said member is localized upon said ridges and said member is reduced to true cylindrical form without injury to the surface thereof by such action.

2,073,080
PROCESS FOR LOWERING THE POUR POINTS OF MINERAL OILS
Adrianus Johannes van Peski, Bussum, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 2, 1933, Serial No. 683,298. In the Netherlands August 5, 1932
9 Claims. (Cl. 196—1)

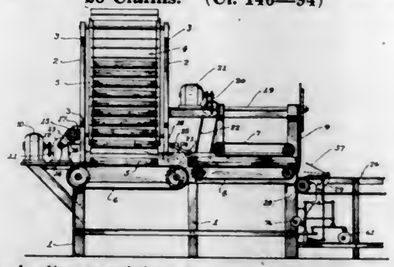
1. A process for lowering the pour point of mineral oil, which comprises incorporating therein a small quantity of an alkylated, highly condensed cyclic hydrocarbon having high molecular paraffinic side chains, and having nuclei containing more than three aromatic or hydrogenated rings.

2,073,081
BRAKE OPERATING MECHANISM
Anthony L. Vissat, Bridgeville, Pa.
Application February 27, 1935, Serial No. 8,466
2 Claims. (Cl. 188—204)



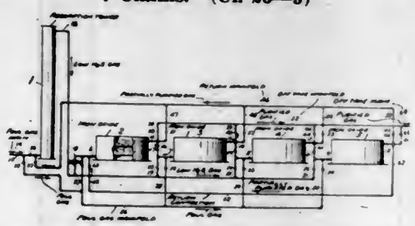
1. In a four-wheel brake operating mechanism for vehicles, the combination of a frame member, a bearing bracket fixed to the latter, a rocker ring surrounding the drive shaft of the vehicle and provided with laterally aligned trunnions having a floating engagement in said bearing bracket, an equalizing bar pivotally connected centrally of its length with each end of said rocker ring, a brake rod pivotally connected with each end of said equalizing bars, and means for operating said rocker ring to shift said equalizing bars in opposite directions to effect the braking operation.

2,073,082
SLICING MACHINE
Charles T. Walter, Chicago, Ill., assignor to Industrial Products Corporation, Chicago, Ill., a corporation of Delaware
Application November 29, 1935, Serial No. 51,995
28 Claims. (Cl. 146—94)



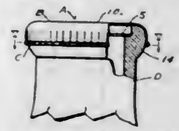
1. A slice receiving and conveying mechanism for slicing machines comprising conveying means including a series of spaced narrow chains arranged to receive slices cut by a knife, a support normally located below the slices deposited by the knife on the conveying means and including a plurality of slice supporting members interleaved with the narrow chains and provided with a plurality of inclined slice receiving surfaces arranged to support the slices in overlapped relation while a group of slices is elevated above the conveying means, means for moving the support upwardly and downwardly to elevate a group of slices above the conveying means and means for moving the support at an accelerated speed from one portion of the conveying means to another portion thereof to redeposit the group of slices on the conveying means at a point spaced from the knife, a shiftable clamping member carried by the said support and operable to clamp the slices upon the supporting members while the group is elevated above the conveying means, and means connected with the shiftable clamping member and operated through the movement of the support for automatically actuating the shiftable clamping member.

2,073,083
METHOD OF GAS PURIFICATION
Alger L. Ward, Upper Darby, and Claude W. Jordan, Paoli, Pa., assignors to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 19, 1933, Serial No. 652,482
7 Claims. (Cl. 23—3)



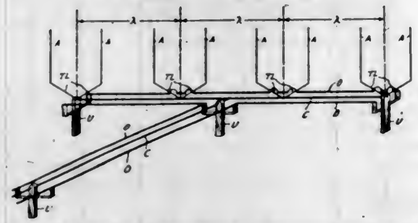
1. In the distribution of gas containing hydrogen sulphide and oxygen and oxides of nitrogen and which is scrubbed with an alkaline solution and contacted with solid purifying material for the removal of hydrogen sulphide, the step of opposing gum formation, which consists in continuously providing and maintaining in the solid purifying material a supply of metallic sulphide sufficient for removing substantially all of the oxides of nitrogen by scrubbing out a part of the hydrogen sulphide with regard to the oxygen content and leaving a modicum of hydrogen sulphide sufficient for use in continually providing and maintaining said supply of metallic sulphide in the purifying material.

2,073,084
BOTTLE CLOSURE AND METHOD OF APPLYING SAME
George Weiss, Des Plaines, Ill., assignor to Standard Cap and Seal Corporation, Chicago, Ill., a corporation of Virginia
Application April 4, 1935, Serial No. 14,568
3 Claims. (Cl. 215—38)



1. A unitary closure for containers including a cap formed with a skirt portion; a non-resilient locking ring frictionally clamped to the edge portion of said skirt, said ring having interengaging ends for sealing said closure upon a container.

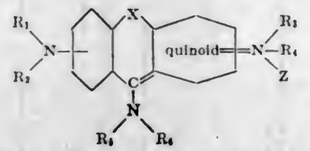
2,073,085
HIGH FREQUENCY FEEDER ARRANGEMENT SUITABLE FOR USE WITH RADIO AERIAL SYSTEMS
Norman Wells, Sheen, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application May 16, 1932, Serial No. 611,447
In Great Britain May 29, 1931
5 Claims. (Cl. 178—44)



5. In a radio frequency communication system, a substantially radiationless feeder system consisting of three conductors all arranged at the same height above earth, the two outer conductors being symmetrically disposed about a central conductor which is insulated from the other conductors and forms the "live" wire of the system, brackets disposed at intervals for supporting said conductors, each bracket including three vertical arms, one for each conductor, and a common supporting upright for said arms.

2,073,086
DYESTUFFS OF THE XANTHONE TYPE AND PROCESS FOR PRODUCING THE SAME
Carl Winter and Emil Kern, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 4, 1934, Serial No. 719,045. In Germany April 12, 1933
12 Claims. (Cl. 260—62)

7. Dyestuffs corresponding to the general formula—



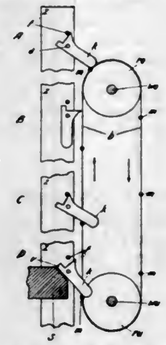
(in which R_1, R_2, R_3 and R_4 represent members of the group consisting of hydrogen and alkyl, cycloalkyl, aryl and aralkyl radicles, X represents a member of the group consisting of oxygen and sulphur), Z represents a radicle capable of reacting as a negative radicle in quaternary ammonium compounds and—



represents the radicle of a compound selected from the class consisting of ammonia and the primary and secondary amines.

2,073,087
SELECTOR FOR TELEPHONE INSTALLATIONS
Alexander Wirth, Frankfort-on-the-Main, Germany
Application August 13, 1935, Serial No. 36,005
In Germany January 23, 1934
11 Claims. (Cl. 179—27.53)

1. A selector for telephone installations, comprising a switch member adapted to be set under the influence of a stored force, and rotary conveying means adapted to act upon and move said switch member back into its normal position when the selector is no longer busy, the said rotary conveying means being provided with a series of driving elements each engageable with

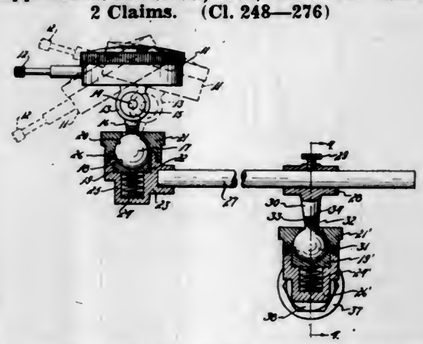


means carried by the switch member, and said switch member having thereon the means engaged by said driving elements movable into position for such engagement only when said member is in a predetermined position for the return movement and releasing from the engagement when said member has been moved to normal position.

2,073,088
PREPARATION OF HIGH GRADE ASPHALTS
Alvin Pierce Anderson and William Kenneth Nelson, Wood River, Ill., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 3, 1935, Serial No. 14,495
21 Claims. (Cl. 196—74)

1. The process of producing asphalt comprising the steps of blending asphaltic bituminous material with an easy flowing low viscosity index hydrocarbon oil, treating the resulting blended mixture with an oxidizing gas under conditions to oxidize asphaltic material, and blending the blown mixture with a highly viscous low viscosity index hydrocarbon oil.

2,073,089
GAUGE MOUNTING
Gustave Autenrieth, Detroit, Mich.
Application March 22, 1935, Serial No. 12,353
2 Claims. (Cl. 248—276)

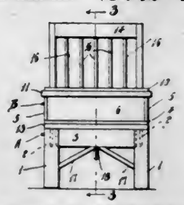


1. In combination with an instrument casing, a

head; a rod connected at one end to said head and projecting outwardly therefrom; a pressure block slidably mounted in said head and having a semi-spherical recess in its upper face; a cap threaded on said head and having its inner surface recessed, and forming, with the recess in said block, a spherical chamber; a ball positioned in said chamber; a standard secured to and projecting outwardly from said ball through an opening formed in said cap; a lug on the casing; means for pivotally connecting said lug to the outer end of said standard; means in said head for pressing said block against said ball and preventing undue movement of the same; and means for mounting said rod intermediate its ends for universal movement.

2,073,090
ICE CONTAINER

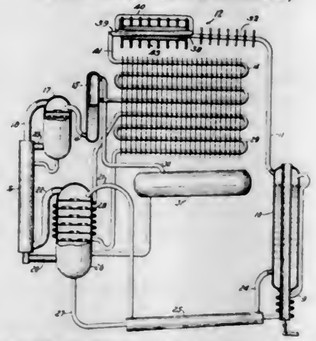
Richard Beard and Fannette Beard, Danville, Ill.
Application January 14, 1935, Serial No. 1,766
1 Claim. (Cl. 62—132)



In an ice container of the character specified, a supporting base, a rectangular oblong tank removably mounted on the base and a rack having a telescopic fit within the tank and extending above the side and end walls thereof to increase the capacity of the tank, said tank having a lining of galvanized iron surrounded by insulating material with the upper edge of the lining bent outwardly at right angles to form a continuous flange which fits against the upper edges of the tank and the insulating material and re-inforcing strips extending around the top of the tank on the lining flange.

2,073,091
ABSORPTION REFRIGERATING SYSTEM

Harry K. Bergholm, Larchmont, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application April 11, 1933, Serial No. 665,501
10 Claims. (Cl. 62—119.5)



6. In an absorption refrigeration system, a generator, a condenser, a rectifier connected between said generator and condenser, said rectifier having portions in thermal exchange relation and arranged for flow of liquid in opposite directions, and heat radiation means directly associated with only one of said portions.

2,073,092
REFRIGERATION APPARATUS

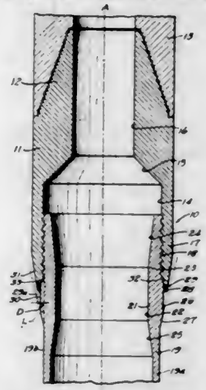
Harry K. Bergholm, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Original application April 11, 1933, Serial No. 665,501. Divided and this application August 23, 1935, Serial No. 37,483
7 Claims. (Cl. 257—36)



1. A rectifier for an absorption refrigeration system having portions arranged for flow of liquid in opposite directions, heat radiation means, and means for transferring heat from one of said portions to said radiation means by conduction in a thermal path including another of said portions.

2,073,093
WELL PIPE AND TOOL JOINT

John E. Brantly, Avenal, Calif.
Application November 25, 1935, Serial No. 51,385
4 Claims. (Cl. 285—146)



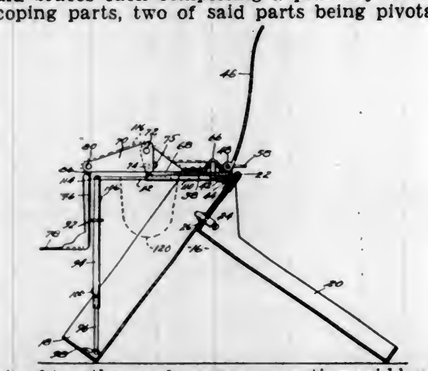
1. A well pipe joint comprising tubular box and pipe members having interfitting and substantially uniform depth screw threads extending longitudinally of the joint substantially parallel with the axis of said members, said threads being smoothly and continuously curved in cross sectional form, the minimum root diameter of the pipe threads being at least as great as the normal external diameter of the pipe, and said pipe having a longitudinally extending external annular upset whose thickness in excess of the normal external diameter of the pipe is, immediately beyond the threaded surface of the pipe, greater than the thread depth.

2,073,094
ADJUSTABLE OBSTETRICAL CHAIR

Dolph D. Bugh, Galena, Mo.
Application March 5, 1934, Serial No. 714,126
11 Claims. (Cl. 155—28)

11. An obstetrical chair comprising a case having two tray-like parts hingedly joined along one edge to permit relative movement toward and from each other to form a housing when the parts are closed, one of said parts comprising angularly related portions, one of which portions engages the other part and the other portion of said part

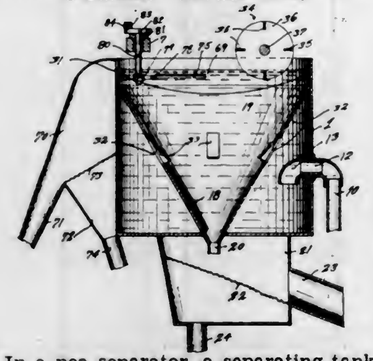
extends at an angle to said other part to form a rigid support when said parts are opened and placed in inclined position; a seat hingedly mounted on said other part for movement to and from a position within said housing; means for rigidly securing together the parts of said case when opened and placed in an inclined position; and braces for supporting the seat in operative position, having the ends thereof hingedly connected to said other part adjacent opposite ends thereof, said braces each comprising a plurality of telescoping parts, two of said parts being pivotally



joined together and means connecting said braces to said seat to support the seat in a horizontal position when in the operative position with the said parts secured together in an inclined condition to serve as a support for the chair, said seat and braces being movable about their hinge connections for movement into a housed position within the housing, said means for rigidly securing together the parts of the case being automatically operable when the parts are moved to the fully opened position about the hinge joining the same.

2,073,095
PEA SEPARATING APPARATUS

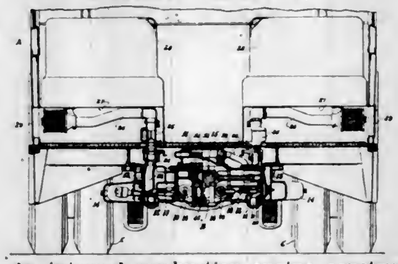
Albert L. Carter and Elwood K. Miller, Spokane, Wash., assignors to Carter Miller Mill Furnishing Company, Spokane, Wash.
Application October 21, 1935, Serial No. 45,836
3 Claims. (Cl. 209—173)



1. In a pea separator, a separating tank having an outlet in its bottom and a spillway in its side, means for circulating brine through said tank, means for delivering peas into the tank from above the brine whereby the peas pass below the surface and good peas sink to the bottom of the tank for passage through the outlet while defective peas and peas having air bubbles adhering thereto rise and float upon the brine, means for urging floating peas towards the spillway for passage through the same out of the tank, and means for agitating peas approaching the spillway and detaching air bubbles therefrom to cause good peas to sink, the last-mentioned means consisting of a support located above the level of brine in the tank, a rock shaft journaled vertically through said support, a head at the upper end of said shaft, an arm extending radially from the lower end of said shaft, a foraminous head carried by said arm and moving back and forth in a horizontal plane at approximately the level of the brine when the shaft is rocked, a driven shaft rotatably mounted, an eccentric disc carried by the driven shaft, a collar loose about said disc, and a pitman pivoted at its ends to the head and collar for imparting rocking movement to the rock shaft.

2,073,096
LUBRICATING SYSTEM FOR INTERNAL COMBUSTION ENGINES

Harold D. Church, Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio
Original application August 22, 1932, Serial No. 629,774. Divided and this application April 19, 1933, Serial No. 666,847
5 Claims. (Cl. 184—6)



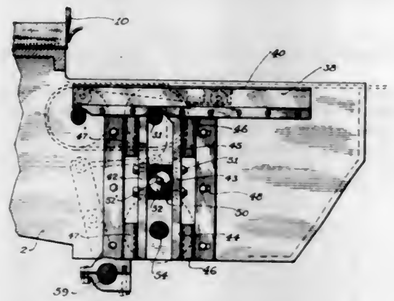
1. An internal combustion engine constructed with horizontally disposed cylinders, and comprising a circulatory water cooling system and a dry sump lubricating system, said lubricating system comprising a shallow supply reservoir located in the upper portion of said engine, a shallow receiving reservoir located in the bottom of said engine, a cooling chamber of shallow depth located in the upper portion of said engine at one side of said supply reservoir and inter-connected with the cooling water system of said engine in such a manner that the cooling water is caused to flow therethrough, oil cooling tubes extending into said cooling chamber, means for delivering oil from said supply reservoir to the bearings of said engine, and means for returning to said supply reservoir by way of said oil cooling tubes the oil passing though said bearings and collecting in said receiving reservoir, said last named means having a greater capacity than said first named means and being operative during operation of the engine to maintain said receiving reservoir substantially dry of oil.

2,073,097
SLICE SPACER

Nicholas J. Dziedzic and Charles L. Straeten, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Continuation of application Serial No. 712,728, February 24, 1934. This application July 12, 1935, Serial No. 31,062
9 Claims. (Cl. 198—34)

1. A slice spacer adapted to transfer slices

of material from a slow moving to a fast moving conveyor, said slice spacer comprising a series of lifting and transferring elements located normally beneath the receiving surface of the slow moving conveyor and adapted to pass between strands comprising the said conveyors, a platform for support of the transferring elements, the platform having spaced depending ears, vertically moving depending side members connected to said platform, spaced cams mounted on a shaft adjacent the depending side members of the platform, each cam having high points and dwells between the high points, a second shaft mounted in offset relationship with respect to the cam shaft, said second shaft carrying a spring controlled lever, a rod connecting



the depending ears of the platform, means connecting the lever and the rod, rollers journalled in each side member of the platform between each of said depending ears and the respective cams whereby upon rotation of the cams the platform is raised and lowered, said spring controlled lever being adapted to force the platform from a receiving position with respect to the slow moving conveyor to a depositing position with respect to the fast moving conveyor when the platform is raised by the high points of the cams, and a cam on the second shaft in operative relationship with the said lever whereby the force of the spring is opposed and the platform returned to operative position with respect to the slow moving conveyor.

2,073,098

SEPARATION OF VAT DYESTUFF ISOMERS OF THE NAPHTHOYLENE DIARYLIMIDAZOLE SERIES

Wilhelm Eckert and Heinrich Sieber, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 1, 1934, Serial No. 713,614. In Germany March 7, 1933

5 Claims. (Cl. 260—44)

1. The process which comprises heating at a temperature of about 40° C. to about 80° C. a mixture of isomeric 1,4,5,8-naphthoylene-diarylimidazoles obtainable by condensing a 1,4,-5,8-naphthalene-tetra-carboxylic acid compound with an ortho-diamine compound of the benzene and naphthalene series, with a condensing agent of the class consisting of alkali metal amides and alkali metal alcoholates in the presence of an inert solvent miscible with water and separating the isomeric addition compounds from each other by taking advantage of their different solubility.

2,073,099

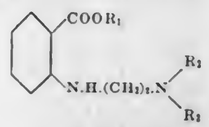
N-(AMINOALKYL)-ANTHRANILIC ACID ALKYL ESTERS AND A PROCESS OF PREPARING THEM

Otto Eisleb, Hofheim in Taunus, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

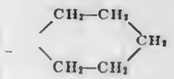
No Drawing. Application July 20, 1935, Serial No. 32,468. In Germany July 26, 1934

4 Claims. (Cl. 260—43)

4. As new products the compounds of the following formula:



wherein R_1 stands for alkyl and R_2 and R_3 for a member of the group consisting of hydrogen, alkyl and the cyclic grouping



being colorless to weakly yellowish, bluish-fluorescent water-insoluble oils which in the form of their salts are water-soluble.

2,073,100

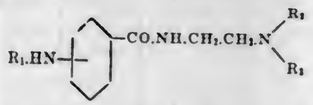
N-AMINOALKYLAMIDES OF N-ALKYL-AMINOBENZOIC ACIDS AND PROCESS OF PREPARING THEM

Otto Eisleb, Hofheim in Taunus, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

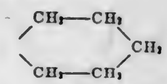
No Drawing. Application July 20, 1935, Serial No. 32,469. In Germany July 26, 1934

5 Claims. (Cl. 260—43)

1. As new products the compounds of the following formula:



wherein R_1 stands for alkyl and R_2 and R_3 stand for a member of the group consisting of alkyl and the cyclic grouping



being colorless to weakly yellowish water-insoluble oils which in the form of their salts are water-soluble.

2,073,101

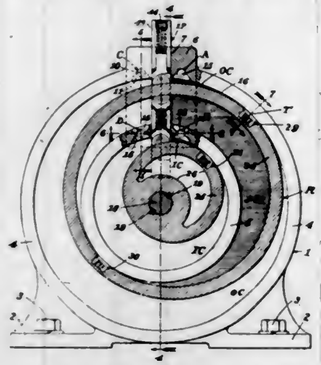
ROTARY PRIME MOVER

Eston F. Fox, Hagerstown, Md.

Application December 15, 1934, Serial No. 757,723

8 Claims. (Cl. 121—68)

4. A prime mover including a stator and a rotor, a plurality of concentric rings and a plurality of eccentric rings, the eccentric rings being tangent to the concentric rings to thereby form chambers, a radial track in the stator, a sliding abutment through which one of the eccentric rings passes and against which the other of the eccentric rings abuts, said abutment provided with arcuate rockable shoes adapted to rock in either direction to thereby form a tight seal with the eccentric rings regardless of their position in the cycle, and said stator provided



with inlet and outlet ports that are opened and closed by the rotation of one of said eccentric rings, one of the said inlet ports communicating only with the outer chamber and another of the said inlet ports communicating with the inner and middle chambers.

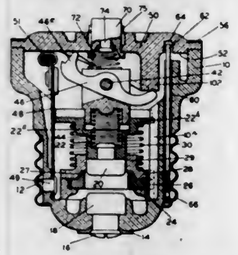
2,073,102

CIRCUIT BREAKER

Charles H. Hodgkins, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut

Application August 4, 1933, Serial No. 683,673

9 Claims. (Cl. 200—144)



9. A device for making and breaking electric circuits repeatedly, comprising separable contacts, terminals for connecting said device in an electric circuit, conducting means encircuited between one of said contacts and one of said terminals, the path of said conducting means being arranged to create a concentration of lines of magnetic flux on one side of the arc path between said contacts, and magnetic arc-suppressing means surrounding the path of movement of said contacts, whereby an arc incipient upon the contact separation is drawn along said path of movement through said arc-suppressing means and is drawn against said arc-suppressing means by the action of said magnetic flux lines, and additional cooperating arc-suppressing means surrounding said stationary contact in position removed from the arc path but in position to be engaged by the arc when moved under the action of said flux lines.

2,073,103

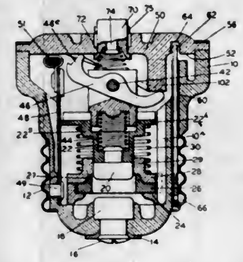
CIRCUIT BREAKER

Charles H. Hodgkins, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut

Original application August 4, 1933, Serial No. 683,673. Divided and this application January 13, 1934, Serial No. 706,564

44 Claims. (Cl. 200—116)

38. In a circuit breaker, a pair of contacts, one of said contacts being movable to open and close the circuit, a floating arm carrying said movable contact, a spring applying a biasing force tending to move said floating arm and said movable contact, a bimetallic member fixedly mounted at one end and movable at its other end, the movable end of said bimetallic member normally engaging and supporting one end of said floating arm and providing a pivot point about which it is rotatable to normally open and close the circuit, means electrically connecting the fixed end of the bimetallic member in the circuit, a flexible shunt connected to a point on the bimetallic member adjacent its movable end and completing the circuit to said movable contact whereby said movable end of the bimetallic member, said



floating arm and the movable contact carried thereby are electrically at the same potential making it unnecessary to have insulation therebetween, a manually operable member comprising a cam of insulating material upon movement of which the force exerted thereby is applied to said floating arm at a point to rotate it against the bias of said spring about its end engaging said bimetallic member, and said bimetallic member being movable upon the occurrence of an abnormal condition to release the end of said floating arm and cause it to rotate under the bias of said spring about the point at which the force exerted by said cam of insulating material is normally applied thereto and thereby move said movable contact to open-circuit position.

2,073,104

CIRCUIT BREAKER

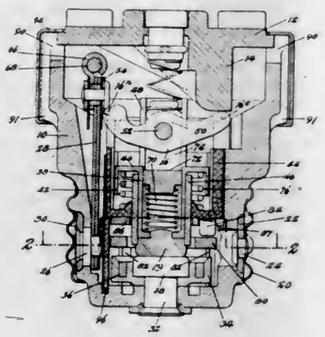
Charles H. Hodgkins, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut

Application September 5, 1934, Serial No. 742,833

21 Claims. (Cl. 200—122)

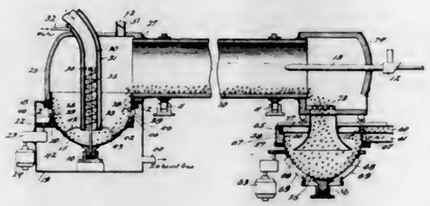
17. In a circuit interrupter, a casing, a pair of contacts in said casing for opening and closing the circuit, a bimetallic element extending longitudinally along said casing, a heater strip thermally and electrically connected at one end to one end of said bimetallic element, said heater strip extending circumferentially around said casing, means for connecting said heater strip and bimetallic element in the circuit so that the bimetallic element is caused to bend upon the occurrence of predetermined current conditions, and means for causing the opening of said pair

of contacts upon the bending of said bimetallic element, said bimetallic element being located



within said casing and said heater strip being located around the outside of said casing.

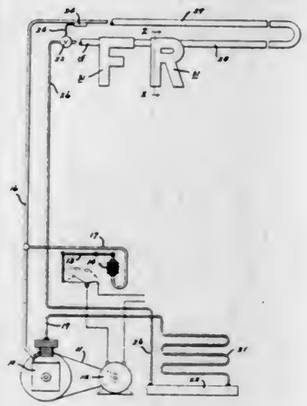
2,073,105
HEAT EXCHANGE APPARATUS
Joseph H. Hoffmann, Bethlehem, Pa., assignor to G. Polysius Aktiengesellschaft, Dessau, Germany, a corporation of Germany
Application November 26, 1935, Serial No. 51,671
19 Claims. (Cl. 263—32)



1. In heat exchange apparatus, the combination with a drum supported for rotation about a generally upright axis, of means for introducing solid material into the lower portion of said drum for upward displacement along the walls of the drum in response to centrifugal force, means causing circulation of gas in said drum in contact with said solid material during displacement of the latter, and a material discharge outlet at the upper end of said drum.

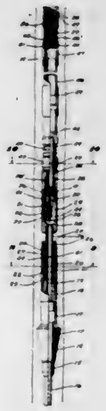
2,073,106
REFRIGERATING APPARATUS
Harry B. Hull, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 21, 1935, Serial No. 22,551
16 Claims. (Cl. 62—1)

1. A refrigerating apparatus comprising in combination, a closed refrigerating medium circuit including a cooling element and means for circulating a refrigerating medium through the element to cause same to produce a refrigerating effect, a closed conduit partially filled with a volatile liquid and secured in intimate thermal



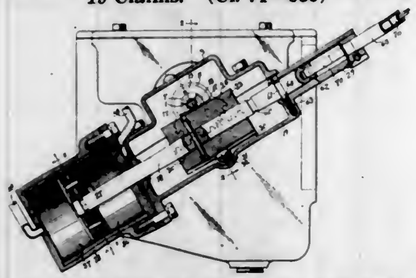
association with said cooling element, and said conduit having the contour of a certain character.

2,073,107
WELL TESTING METHOD AND APPARATUS THEREFOR
Mordica O. Johnston, Glendale, Calif.
Application May 19, 1934, Serial No. 726,583
9 Claims. (Cl. 166—1)



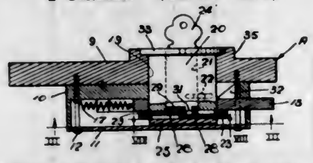
1. A well testing device comprising a string of tubing, a packer adjacent the lower end thereof, a passageway through the packer and communicating with the string of tubing, a valve adjacent the packer and adapted to be manipulated by the string of tubing, a trip valve above the first named valve within the string of tubing, said valve being designed to be opened independently of the first named valve and independently of the movement of the string of tubing, whereby said valve when tripped will admit fluid to pass upwardly through the packer into the string of tubing and said fluid may thereafter be entrapped within the string of tubing by closing the first named valve by manipulation of the tubing string.

2,073,108
GEAR SHIFTING MECHANISM
Elmer G. Kesling, Bloomfield, Mo.
Application May 22, 1935, Serial No. 22,797
19 Claims. (Cl. 74—335)



1. In a gear shifting mechanism normally controlled by power means, an emergency control for said gear shifting mechanism operatively connected with said mechanism, a support, a manual operating means for said emergency control mounted on said support, and a pin and slit means for connecting said operating means in operative relation with said emergency control to manually operate said emergency control and thereby said gear shifting mechanism.

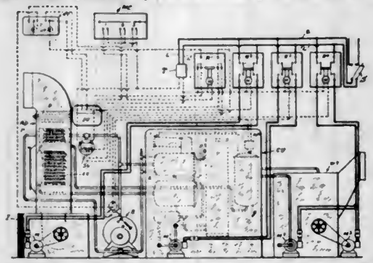
2,073,109
LOCK
Harry R. Kirkwood, Pittsburgh, Pa.
Application August 12, 1936, Serial No. 95,554
4 Claims. (Cl. 70—134)



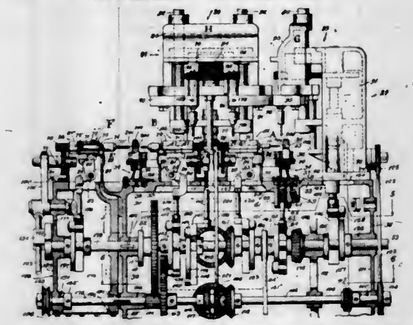
1. In combination in a lock, a casing having a slot through one wall for a lock bar and a perforation through another wall at right angles thereto for the cylinder of a pin tumbler lock, a lock bar mounted for sliding movement in the casing and adapted in locking position to project through said slot, said bar being provided with a perforation adapted to align with said perforation in the wall of the casing when the bar is in locking position, means operable through said perforation in the wall of the casing for moving the lock bar to locking position and a pin tumbler unit having a cylinder adapted to fit removably in said perforations in the casing and bar and provided at its inner end with a detent movable transversely of the cylinder operable by the rotation of the plug of the lock and adapted when the cylinder is in locking position in the casing to lie inward of said bar.

2,073,110
AIR CONDITIONING APPARATUS
Harvey B. Lawton, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois
Application May 22, 1935, Serial No. 22,830
7 Claims. (Cl. 257—3)

4. An electrically operated heating, ventilating and cooling device for an air circulating system, including an air distributing unit connected to said system and mounting therein a motor-operated blower for circulating air through said unit into said system, a cooling coil above said blower connected to a motor-operated refrigeration unit, a steam radiator above said blower connected to a source of steam including a motor-operated steam valve for said radiator, primary circuits for connecting said operating motors to a source of electricity, electrically operated switches in each of said circuits, a secondary circuit, a manual control including a plurality of switches in said secondary circuit for selectively operating said switches controlling the said primary circuits to operate the blower and open the steam valve, to operate the blower and close the steam valve, and to operate the blower, close the steam valve, and operate the refrigeration unit respectively.



2,073,111
AUTOMATIC MACHINE
Ferdinand Lindgren, Cincinnati, Ohio
Application August 6, 1935, Serial No. 34,969
26 Claims. (Cl. 29—38)

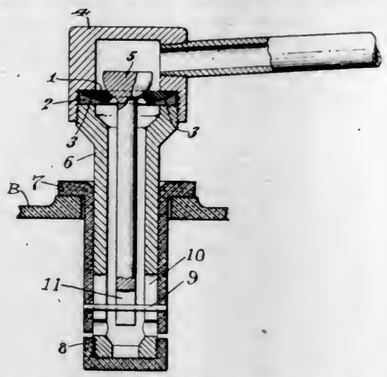


1. In a device of the character described, the combination with a base, of an annular work carrier; tool spindles interiorly, and exteriorly of said annular work carrier; at least one high speed drive shaft extending radially from the vertical center of the base and work carrier; at least one slow speed drive shaft extending radially from the vertical center of the base and work carrier; and means associated with said high and low speed drive shafts adapted to impart one and two way rotation and to impart reciprocatory movement to said tool spindles.

2,073,112
FILLING DEVICE
John J. Lindinger, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application October 10, 1933, Serial No. 692,963
1 Claim. (Cl. 251—167)

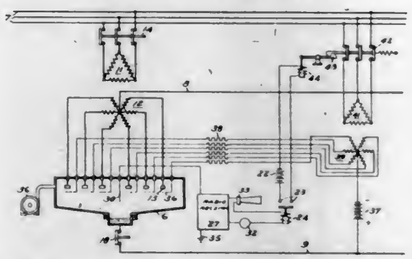
A filling device comprising, in combination, a cap, a hollow body having adjustable engagement with said cap, a valve located within said

cap and said body and having a hemispherical surface portion, an annular support located between said body and said cap and having an upstanding rim and a sloping face within said



rim, and an annular, soft rubber washer located within said rim and clamped between said sloping face and said cap and having a rounded valve seat for engagement with a portion of said hemispherical surface of said valve.

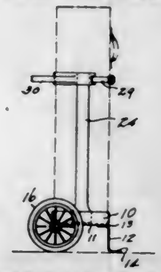
2,073,113
RECTIFIER PROTECTIVE SYSTEM
Othmar K. Marti, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 20, 1932, Serial No. 629,663
10 Claims. (Cl. 175—363)



1. In a protective system for electron discharge devices, an alternating current line, a transformer connected with said line, an electron discharge device of the arcing type connected with said transformer and subject to creation of high frequency oscillations therein upon occurrence of abnormal conditions therein, a direct current line connected with said transformer and with said device, and indicating means inductively connected with said direct current line operable responsive to and in dependence upon the occurrence of said high frequency oscillations within said device.

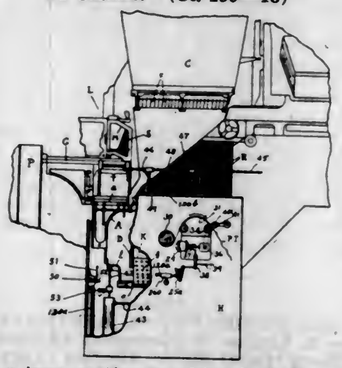
6. In combination with a vapor electric valve converting apparatus comprising an anode, a cathode, a control electrode, and a conductive member in contact with the ionized vapor of the apparatus, a control transformer for exciting said control electrode to control the energy transmitted by said apparatus, and means responsive to the potential between said conductive member and said cathode for modifying the magnetization of said transformer to modify the operation of said apparatus.

2,073,114
GOLF-BAG CARRYING CAR
Fannie M. Martin and John R. Martin, Altoona, Pa.
Application January 21, 1936, Serial No. 60,103
1 Claim. (Cl. 280—53)



A golf-bag transporting car comprising a cup-like base to receive the lower end of a golf bag, means carried by and rising from said base to support, against tilting movement relative to said base, a golf-bag supported at its lower end in said base, a substantially U-shaped member including a straight medial portion and a pair of terminal arms disposed at substantially right angles to said medial portion, said member having its medial portion and terminal arms disposed tangentially to said base and rigidly secured thereto in the plane thereof, said terminal arms having downwardly extending portions disposed below the bottom of the cup-like base, an axle mounted in said downwardly extending portions of said terminal arms near one side of the cup-like base, wheels on said axle, and a supporting leg carried by the cup-like member near the opposite side thereof for cooperation with said wheels to support the car and a golf-bag carried thereby in an upright position.

2,073,115
TYPESETTING APPARATUS
Edward L. Mellinger, Dunbar Township, Fayette County, and Orrell R. Herwick, Connellsville, Pa.
Application June 10, 1935, Serial No. 25,700
24 Claims. (Cl. 199—18)



1. In a type-casting machine including an assembler movable between receiving and discharging positions, a plurality of magazine channels for the storage of type matrices, a plurality of key-rods severally controlling the release of matrices from said channels, and means for introducing the released matrices into said assembler when it is in receiving position; the combination

of a vacuum system including a plurality of pneumatic actuating devices severally organized immediately with said key-rods, pneumatic means for moving said assembler between its alternate positions, a tracker plate, and means responsive to the advance of perforated tape over said tracker plate for selectively operating said pneumatic devices, whereby a line of predetermined matrices is assembled in said assembler and said assembler is automatically moved into discharge position.

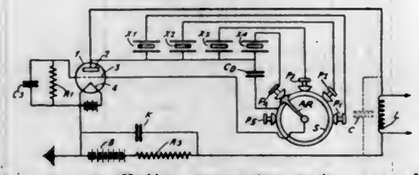
2,073,116
VAT DYESTUFF PREPARATIONS
Joseph Nuesslein and Gerhard Balle, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 18, 1934, Serial No. 758,140. In Germany December 21, 1933
6 Claims. (Cl. 8—6)

1. Dyestuff preparations containing a vat-dyestuff and a compound of the following general formula:



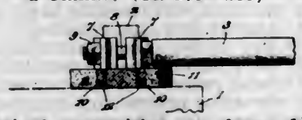
wherein R stands for hydrogen, alkyl, aryl or aralkyl and Z stands for the radical of a compound of the group consisting of pentoses and hexoses.

2,073,117
THERMIONIC OSCILLATION GENERATOR
Thomas Dixon Parkin, Broomfield, near Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application June 7, 1934, Serial No. 729,377
In Great Britain June 8, 1933
2 Claims. (Cl. 250—36)



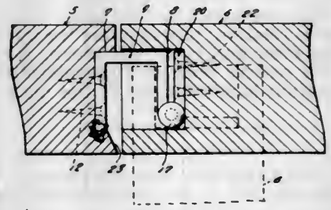
1. In an oscillation generator system, an electron discharge device, a plurality of piezo-electric elements each having one of its electrodes connected to the anode of said electron discharge device, a capacitor of negligible impedance value at any of the operating frequencies of said system, and switching means for selectively introducing one of said piezo-electric elements into closed circuit relation between the anode and the control grid of said electron discharge device and for simultaneously short-circuiting the electrodes of the remaining piezo-electric elements through said capacitor.

2,073,118
TERMINAL
George R. Peirson, Medicine Lodge, Kans.
Application July 19, 1934, Serial No. 736,118
1 Claim. (Cl. 173—259)



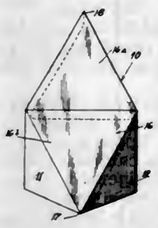
A terminal comprising a clamp having a post encircling portion, means for contracting the post encircling portion to bind the same about a battery post, and pins embedded in the under face of the post encircling portion of the clamp in spaced relation to each other circumferentially thereof and depending therefrom, and a washer of absorbent material bearing against the under face of said clamp for disposition between the clamp and the upper surface of a battery to prevent access of corrosive material to the clamp, said pins being of greater length than the thickness of said washer and extending through the washer and having their lower free end portions initially projecting from the washer and bent upwardly and clinched against the under face of the washer and embedded in the washer to hold the washer in place.

2,073,119
CONCEALED HINGE
Louis W. Phiel, Elyria, Ohio
Application February 15, 1935, Serial No. 6,762
1 Claim. (Cl. 16—135)



A door hinge comprising a U-shaped connecting member disposed horizontally and having one leg portion adapted to be secured to a door frame and the other leg adapted to be recessed in an adjacent edge of a door, a hinge leaf adapted to be secured to the door and also adapted to be recessed in said edge of the door inwardly of the recessed leg and a pivot connection between the terminal of the last mentioned leg of the connector and one edge of said leaf.

2,073,120
CONTAINER
Roy J. Pomeroy, Los Angeles, Calif.
Application March 26, 1934, Serial No. 717,376
9 Claims. (Cl. 229—22)



1. A container embodying a rectangular, horizontal bottom, plane side walls rising from each of the four edges of said bottom, and another side wall formed in a plane at an acute angle to the container bottom and passing through one corner of said bottom and thence first intersecting the two side walls adjacent said corner and then intersecting the other two side walls, thereby forming the container with an acute pyramidal apex.

2,073,121
LIQUEFIER SYSTEM FOR SOLIDIFIED CARBON DIOXIDE
Frank C. Seck, Oklahoma City, Okla.
Application August 13, 1934, Serial No. 739,630
11 Claims. (Cl. 62—91.5)



1. A liquefier comprising a main reservoir; a reserve tank supported by the main reservoir in side-by-side relation; pipes joining the upper ends of said reservoir and tank; and means for maintaining the reserve tank at a predetermined adjusted position longitudinally of the main reservoir.

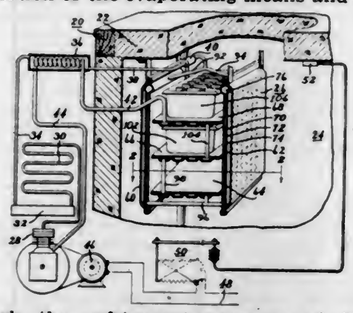
2,073,122
PLACER MINING DEVICE
George Picton Silke, Vancouver, British Columbia, Canada
Application March 16, 1936, Serial No. 69,191
8 Claims. (Cl. 262—2)



7. A placer mining device comprising a tube, a jet formed at the forward end of the tube, a suction hose communicating with the interior of the tube adjacent the rearward end of the jet through which materials are drawn by suction into the tube and means beyond the jet for extracting minerals from the material as it is washed through the tube.

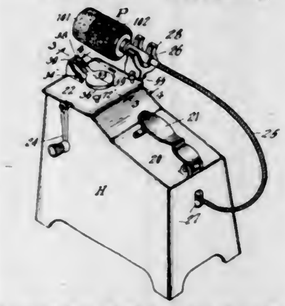
2,073,123
REFRIGERATING APPARATUS
Rolf M. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 31, 1935, Serial No. 4,212
2 Claims. (Cl. 62—95)

1. Refrigerating apparatus including an insulated refrigerator cabinet, refrigerant liquefying means and refrigerant evaporating means connected in operative circuit relation, said evaporating means having a box cooling portion comprising a refrigerant containing portion and a congealing solution in heat exchange relation with each other and the atmosphere within said cabinet, said evaporating means also including an ice freezing portion having refrigerant passages connected to said refrigerant containing portion, said congealing solution freezing and melting below water freezing temperatures, said ice freezing portion of said evaporating means being separate from the box cooling portion thereof, and means for conducting refrigerant first through the refrigerant containing box cooling portion of the evaporating means and thence



through the refrigerant passages of the ice freezing portion thereof.

2,073,124
POLISHING MACHINE
Carlyle B. Stair, Downers Grove, Ill.
Application January 9, 1935, Serial No. 937
11 Claims. (Cl. 194—9)

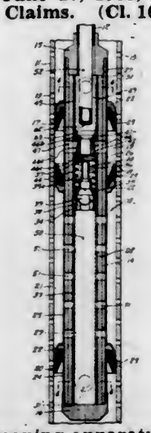


1. In a machine of the character described, the combination with a receptacle having a normally closed closure for a supply of polishing material; of polishing means; power means for operating said polishing means; and coin-controlled means, common to said receptacle and power means, for initially releasing said closure to the receptacle and, upon reclosing of the closure, then rendering operative said power means for operating the polishing means.

2,073,125
PROCESS FOR REGULATING THE HYDROGEN ION CONCENTRATION OF FERMENTATION MASHES
Hugh R. Stiles, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application October 2, 1933, Serial No. 691,889
8 Claims. (Cl. 195—44)

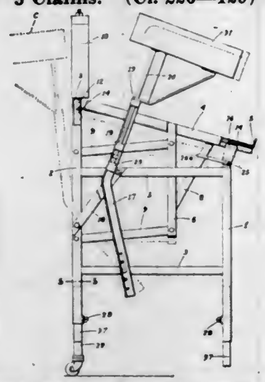
2. In a process for the fermentation of a carbohydrate mash by means of bacteria whose metabolic functions are favored by a hydrogen ion concentration lower than that obtained by the use of an excess of an insoluble basic inorganic neutralizing agent over that required to neutralize any initial acidity, the improvement which comprises carrying out the fermentation in the presence of said excess of a substantially water-insoluble, non-toxic neutralizing agent and from 0.1–0.3 gram per liter NH_3 equivalent of a basic ammonium compound.

2,073,126
WELL CLEANING SYSTEM
Cecil H. Sweet, Brea, Calif., assignor to John Grant, Los Angeles, Calif.
Application June 17, 1935, Serial No. 26,912
15 Claims. (Cl. 166—19)



1. In well cleaning apparatus, the combination comprising a pipe lowered within the well casing, a tubular body attached to the lower end of said pipe and having apertures opposite the casing perforations, a packer carried on the body above said apertures, means for draining the liquid column in said pipe above said body outwardly through a port in said body, so that the liquid thence flows out through the casing perforations above said packer, and suction operated means for simultaneously drawing liquid inwardly into the body through the casing perforations below said packer.

2,073,127
PORTABLE PACKING AND WEIGHING STAND
Ada R. Upp, Woodlake, Calif., assignor of one-half to Abe Dinkins, Woodlake, Calif.
Application July 15, 1935, Serial No. 31,394
5 Claims. (Cl. 226—129)



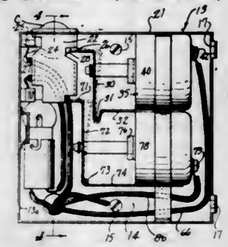
1. A fruit box packing device comprising a stand, a box supporting platform mounted on the stand, an upstanding arm pivoted on one side of the stand for swinging movement in a plane parallel to said side, a post turnably mounted on and upstanding from the arm, a tray to support a stack of wrappers disposed above the arm and arranged to one side of the platform when in operative position; the post being secured to and then depending from the tray from adjacent the rear corner thereof on the side nearest the platform.

2,073,128
FIREARM
Clair W. Wadsworth, Fulton, N. Y., assignor to Hunter Arms Co., Inc., Fulton, N. Y., a corporation of New York
Application May 16, 1934, Serial No. 725,977
7 Claims. (Cl. 42—1)



1. In a fire arm, the combination with a grip handle having an internal cavity, a barrel in line with the grip handle, the barrel of the handle being formed with a cartridge chamber, and firing mechanism in the cavity including a spring pressed hammer movable lengthwise of the cavity; of trigger mechanism including a trigger extending transversely through the hammer and shiftable transversely relative thereto, the handle having a lengthwise slot through which one end of the trigger extends for permitting pulling back and releasing of the hammer, and the handle and the trigger being also provided with means coacting to prevent retraction of the hammer, when the trigger is in one of its transverse positions and permit retraction of the hammer, when the trigger is shifted into the other of its transverse positions.

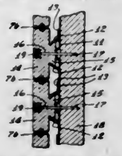
2,073,129
COIN CONTROLLED DOORBELL SYSTEM
Conant Wait and Valerie B. Wait, Beverly Hills, Calif.
Application July 17, 1933, Serial No. 680,704
15 Claims. (Cl. 194—6)



1. A coin controlled doorbell system, comprising the combination of a collection box having a coin receiving opening, means adapted to support a coin deposited in said opening in a position from which it can be withdrawn through said opening in the event the coin is not collected,

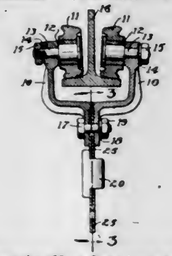
said means adapted to be moved to cause the coin to move into a non-retrievable position within said box, a doorbell circuit including a pair of electrical contacts closed by virtue of the coin occupying said first mentioned position, and electromagnetic means and an electrical energizing circuit therefor controllable from outside the box to operate said coin supporting means to cause the coin to move into non-retrievable position within the box.

2,073,130
TILE CONSTRUCTION
David A. Wallace, Detroit, Mich.
Application April 20, 1936, Serial No. 75,324
11 Claims. (Cl. 72—19)



1. In combination, a support, a plurality of facing elements, each facing element having a layer of resilient material extending around the periphery thereof, and means attaching said facing elements to said support with the facing elements relatively spaced apart a distance less than the normal thickness of said resilient material whereby the latter is maintained in compression.

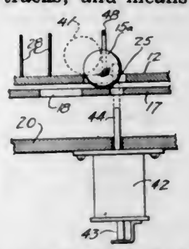
2,073,131
CONVEYER
Jervis B. Webb, Royal Oak, Mich.
Application June 13, 1934, Serial No. 730,426
11 Claims. (Cl. 198—177)



11. In a conveyor trolley having separable parts, interlocking projections on said parts so disposed as to prevent relative twisting movement between said parts and to hold the lower end portions of said parts in spaced relation thereby forming a clevis, a load carrying bracket, a lug on said bracket for assembly between said lower end portions, and a single clevis pin fastening means projecting thru said lower end portions and said lug thereby forming the sole means for holding said lug in said clevis and for holding said separable trolley parts together.

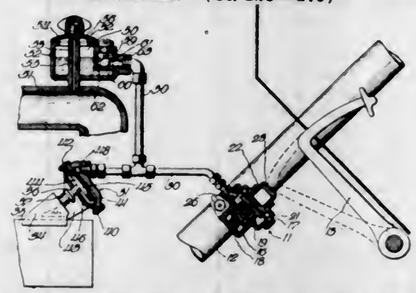
2,073,132
GAME DEVICE
Harry E. Williams, Los Angeles, Calif., assignor to Pacific Amusement Mfg. Company, Los Angeles, Calif., a copartnership composed of Fred C. McClellan and Jesse McClellan
Application December 18, 1933, Serial No. 702,927
3 Claims. (Cl. 273—121)

3. A game apparatus of the class described embodying an inclined deck; means for impelling balls onto said deck; a plurality of tracks inclined from the horizontal on said deck and adapted to deliver impelled balls into pockets in said deck; means for retaining balls at the upper ends of said tracks; and means operatively as-



sociated with a hole in said deck and spaced away from said tracks and operated by the weight of a single ball passing thru said hole for lifting a plurality of balls simultaneously onto said tracks.

2,073,133
STARTER CONTROL
Burton S. Aikman, Milwaukee, Wis., assignor of one-half to John A. Dienner, Evanston, Ill.
Application April 30, 1932, Serial No. 608,458
22 Claims. (Cl. 123—179)

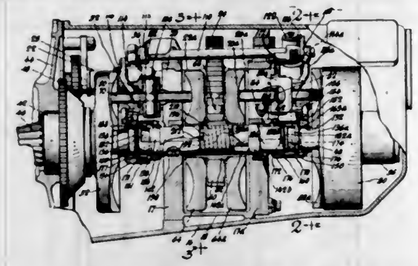


1. In combination in a device of the class described, a clutch pedal, a fluid system comprising a fluid displacement device operable by said clutch pedal, fluid actuated means operable in response to the operation of said fluid displacement means, a motor starting switch controlled by said fluid actuated means and leakage means permitting escape of fluid from said system so as to limit the duration of the response of said fluid responsive means in holding said motor starting switch closed.

2,073,134
FRICTION TRANSMISSION CONTROL MECHANISM
John O. Almen, Royal Oak, Mich., and Winfield D. Gove, West Hartford, Conn., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 7, 1936, Serial No. 78,310
16 Claims. (Cl. 74—200)

1. In reversible friction race and roller transmission mechanism of the kind described, a roller carrier capable of moving to change the ratio position of its roller, two independently operatable mechanisms connected respectively to the carrier at opposite sides of the center plane of the roller, said mechanisms including ratio control collars angularly movable about the axis of the races, an axially and angularly movable master control device coaxial with said collars,

interlocking means on said collars and said master control device, an axially movable member connected to the master control device for causing the latter to interlock with one or the



other of said control collars depending upon the sense of movement of the axially movable member, actuating means for the latter, and external control means for rocking the master control device.

2,073,135
LAMP SHADE
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey
Application August 9, 1933, Serial No. 684,334
9 Claims. (Cl. 240—110)

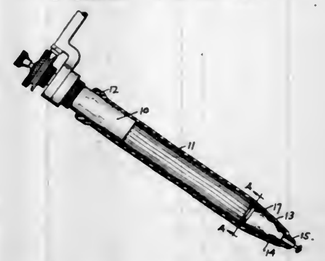


1. A lamp shade comprising a sheath-like structure provided with longitudinally extending apertures at opposite sides thereof, respectively, means for securing said lamp shade to a lamp bulb, said securing means comprising spaced strap-like members partly encircling and frictionally engaging said lamp bulb in a direction laterally of the longitudinal axis thereof, said strap-like members and adjacent respective sections of said lamp shade forming continuous bands of material encircling said lamp bulb, and a light-shading member fixed to said sheath-like structure so as to cover one of said apertures.

2,073,136
CERAMIC COMPOSITION AND METHOD OF PREPARING
Albert Lee Bennett, Glendale, Calif., assignor to Malinite Corporation, Los Angeles, Calif., a corporation of California
No Drawing. Application April 14, 1934, Serial No. 720,657
12 Claims. (Cl. 106—10)

1. A body adapted for use in plastic pressing and jiggering characterized by an ability to exhibit plastic flow by the application of pressure thereto and coherence when caused to flow by such application of pressure, said body containing between 5% and 35% of clay, between 25% and 80% by weight of a material from the group consisting of pyrophyllite, tremolite, actinolite, sepiolite and talc, and between 8% and 40% by weight of a matrix material high in alkalies from the group consisting of glass, sodalite, and colemanite, said body being acid to phenolphthalein and alkaline to methyl orange.

2,073,137
SANITARY COVER
Frank H. Bimrose, Dillon, Mont.
Application January 12, 1935, Serial No. 1,509
1 Claim. (Cl. 32—30)

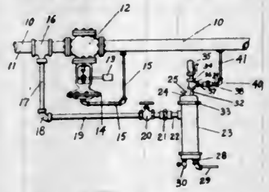


A sanitary tubular cover of flexible elastic material having a thickened annular retaining band at its rear end and a tapered front end, a metallic, elongated, tapered thimble adapted to engage a hand piece fixed in the tapered front end of the cover and formed with a longitudinal slot open at the rear end of the thimble, and said thimble having a reduced front extension forming a bearing for a tool.

2,073,138
HEAT INSULATING MATERIAL
George A. Bole, Columbus, Ohio, assignor to Laclede Christy Clay Products Company, St. Louis, Mo., a corporation of Missouri
No Drawing. Application August 9, 1930, Serial No. 474,297
2 Claims. (Cl. 106—9)

1. A process of manufacturing heat insulating material, consisting of molding a mass constituted of sized raw cyanite and a small amount of clay to which has been added sufficient chemical and dilute acid solution to produce bloating of the mass, drying said molded mass, and firing said dried mass at a sufficiently high temperature and at a rate to produce a highly cellular product.

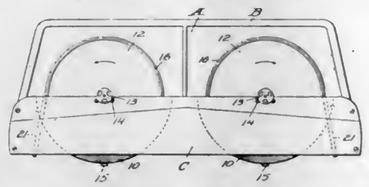
2,073,139
APPARATUS FOR TREATING STEAM HEATING SYSTEMS
Otto J. Bublitz, Milwaukee, Wis.
Application May 2, 1935, Serial No. 19,390
3 Claims. (Cl. 237—1)



1. An apparatus for treating a steam heating system having a reducing valve adjacent its inlet, comprising a steam line connecting the high pressure side of said reducing valve, with a coil within a casing containing a treating compound whereby said compound will be heated to generate steam in said casing and means between the

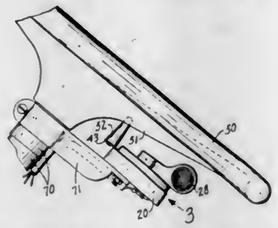
latter and the low pressure side of said reducing valve, permitting entry of said compound into said system.

2,073,140
WINDSHIELD
Charles M. Buehn, Philadelphia, Pa.
Application August 24, 1936, Serial No. 97,709
3 Claims. (Cl. 296—84)



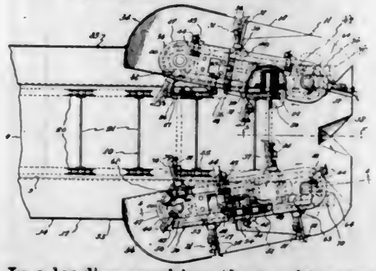
1. The combination with a windshield having a glass provided with half circular openings, glass disks rotatable in said openings, housings forming wells accommodating the said disks and matching the half circular openings, and motors driving the disks reversely to each other.

2,073,141
DIRECTION INDICATING SWITCH
Caryl Edmund Chaney, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 11, 1934, Serial No. 725,060
5 Claims. (Cl. 200—59)



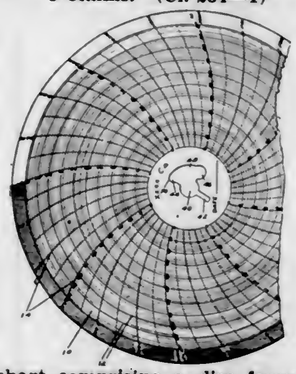
1. A two-way switch for controlling direction signals comprising, in combination, a battery terminal and lamp circuit terminals, a rotary, manually operable switch contact movable in either direction from an intermediate "Off" position for connecting one of the lamp circuit terminals with a battery, a single spring for maintaining the rotary contact normally in "Off" position, means for latching the rotary contact in either of its circuit-making positions, said means including a recessed latch plate rotatable with the rotary contact, a pair of dogs, a rocker arm, a spring carried by the rocker arm to press the dogs against the latch plate, a common means for releasing the dogs from engagement with the latch plate, said means including a movable member carried by the rocker arm and directly engageable with the spokes of a steering wheel, and means for transmitting motion from said member to said latch dogs pivoted on the rocker arm, said motion transmitting means including a lost-motion connection so constructed and arranged that during the turning of the steering wheel from straight-steering position in the indicated direction, the dog then retaining the latch plate will not be withdrawn from latching position, but that during the return of the steering wheel to straight-course position, said dog will be withdrawn from the latch plate.

2,073,142
LOADING MACHINE
Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 14, 1931, Serial No. 580,755
Renewed January 24, 1935
20 Claims. (Cl. 198—8)



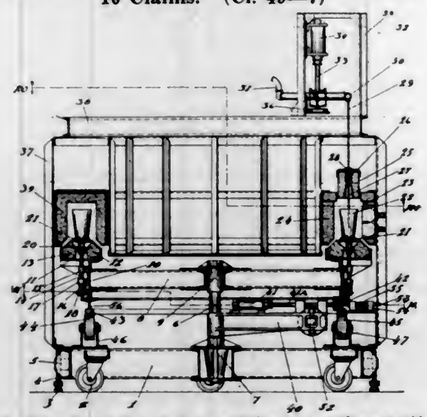
14. In a loading machine, the combination with an inclined conveyor, a gathering element comprising an inclined apron disposed forwardly of and on each side of said conveyor having gathering arm carrying chains movable in orbital paths in planes substantially parallel with the plane of said apron on each side of said inclined conveyor, said gathering arms being movable transversely toward said conveyor and longitudinally along said conveyor, and said apron having a ground engaging surface forming a wedge shaped forward end, said forward end being disposed substantially perpendicular to the path of travel of said conveyor along the machine and having a receding central portion having each of its opposite sides formed to conform generally to the path of its adjacent gathering arm.

2,073,143
CHART
James D. Cunningham, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application January 6, 1936, Serial No. 57,657
3 Claims. (Cl. 234—1)



2. A chart comprising a disc formed with a central positioning opening, the edge of a considerable part of said opening lying on the arc of a circle to engage and be angularly adjustable about an instrument post, and another part of said opening being offset from said arc and having an edge of considerable length lying on an arc of greater radius than said first arc and a substantially radially extending timing edge engageable with a timing pin on the instrument.

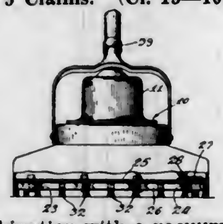
2,073,144
PROCESS OF HEAT APPLICATION AND EQUIPMENT THEREFOR
William A. Darrah, Chicago, Ill.
Application November 12, 1934, Serial No. 752,575
10 Claims. (Cl. 49—7)



8. In a heat treating machine a cooling station, a heating station, a burner arranged to supply heat for said heating station, a movable support, a rotatable table carried by said movable support, and arranged to carry a hollow article being heat treated, means for rotating said table, means for moving said support, means for delivering cooling gases into the interior of said hollow article to cool a portion of the interior thereof, and means for advancing said rotatable table from said heating station to said cooling station.

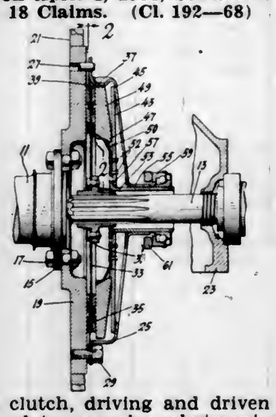
10. The process of heat treating hollow glass articles which consists in revolving said articles about an axis within said article, directing a flame against the outer surface of said article as it revolves, thereby heating a portion of the outer surface thereof, and simultaneously directly a stream of cooling gases over a portion of the inner surface thereby cooling a portion of said inner surface and finally controllably cooling substantially the entire article so that it may be handled without deformation.

2,073,145
VACUUM CLEANER
Hyland C. Flint, Chicago, Ill.
Application November 29, 1933, Serial No. 700,168
5 Claims. (Cl. 15—10)



1. In combination with a vacuum cleaner having an elongated suction nozzle, pulleys mounted outside of and adjacent each end of said nozzle, means for actuating said pulleys, an endless carrier supported and operated in a horizontal plane by said pulleys, said carrier having a continuous movement in a direction across the path of movement of said vacuum cleaner when operated in forwardly and rearwardly directions, and a brush mounted on said carrier for movement therewith and for contact with a surface to be cleaned.

2,073,146
CLUTCH
Arthur W. Gardiner, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 4, 1934, Serial No. 718,896
18 Claims. (Cl. 192—68)

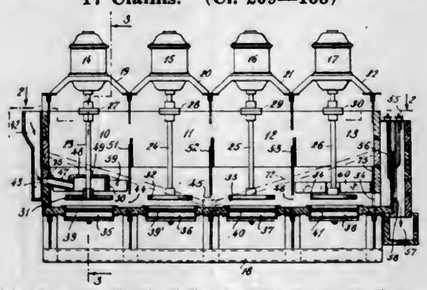


18. In a clutch, driving and driven members, a pressure plate, a spring abutment rigid with said driving member, an annular spring plate having substantially circular regions of contact with the abutment and pressure plate whereby the driven member is clutched to the driving member, the part of the spring plate between said regions of contact being circumferentially continuous and means to relieve said driven member from the pressure of said spring plate, said spring plate being normally bowed when unstressed.

2,073,147
METHOD OF TREATING PETROLEUM DISTILLATES
Frank Gardner, Dallas, Tex.
No Drawing. Application November 11, 1935, Serial No. 49,287
4 Claims. (Cl. 196—33)

1. A method for converting mercaptans to disulfides in petroleum distillates without the addition of sulfur thereto, which comprises subjecting said distillates to the action of an aqueous solution of an alkali metal plumbate.

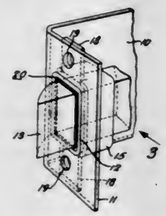
2,073,148
FLOTATION OF MINERALS
Ernest Gayford and Joseph Howard Heginbotham, Salt Lake City, Utah, and Philip D. P. Hamilton, Toronto, Ontario, Canada, assignors to The General Engineering Company, a corporation of Utah
Application June 14, 1934, Serial No. 730,542
17 Claims. (Cl. 209—168)



14. In a method of froth flotation of mineral-bearing pulp, the improvement which comprises

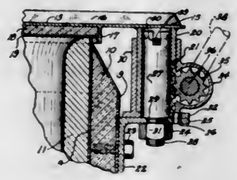
introducing simultaneously a multiplicity of small air bubbles into the pulp at the lower portion thereof, laterally rotating a relatively thin sheet of pulp directly above the place where the bubbles are introduced, permitting the bubbles to rise into contact with the rotating sheet, said bubbles being forced outwardly beyond the influence of the rotating sheet from which point they rise in the pulp, and maintaining the upper portion of the pulp body in a relatively quiescent state.

2,073,149
AUTOMOBILE DOOR LOCK
Harvey D. Geyer, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 26, 1933, Serial No. 695,277
3 Claims. (Cl. 292—337)



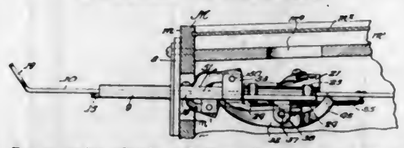
1. In a lock adapted for use on automobile doors, a lock frame, a sliding lock bolt, a stationary metal guide for said lock bolt, and a non-metallic cushion lining bonded to said metal guide and isolating said sliding bolt and said metal guide, said lining comprising an intermediate fabric layer, an outer cushion layer of resilient material bonded to said guide, and an inner coating of dry lubricant bonded to said fabric layer.

2,073,150
LADLE CONSTRUCTION
Max W. Goldberg, Port Washington, Wis., assignor to Modern Equipment Company, Port Washington, Wis., a corporation of Wisconsin
Application September 29, 1934, Serial No. 746,042
9 Claims. (Cl. 22—81)



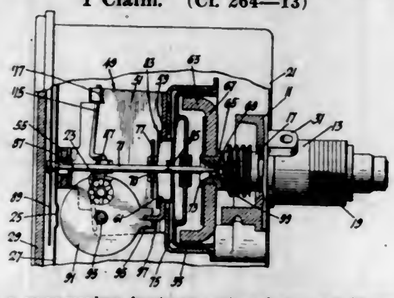
9. In combination, a ladle, a cover pivotally connected to said ladle for horizontal swinging movement, a common manually operated mechanism having a single control for first applying elevating force to said cover and for subsequently causing swinging movement thereof, guiding means embodied in said manually operated mechanism for preventing said swinging movement prior to elevation of the cover a predetermined distance and stop means cooperable with said guiding means for centering the cover with respect to the ladle on return movement and during lowering.

2,073,151
COIN CHUTE
Henry Hansen, Chicago, Ill., assignor to Chicago Lock Company, Chicago, Ill., a corporation of Illinois
Application October 5, 1935, Serial No. 43,644
5 Claims. (Cl. 194—98)



1. In a coin chute of the character described, the combination of an elongated horizontally extending guide, an elongated horizontally extending slide provided at its front end with a coin aperture and mounted on the guide to slide rearwardly from a coin receiving position to a coin discharging position and then to slide back again, coin receiving and displaying means carried by and disposed over the rear end of the guide, means for discharging a coin in the aperture on to the coin receiving and displaying means when the slide during rearward shift thereof reaches its coin discharging position, and means for preventing the slide from being slid rearwards to its coin discharging position when a magnetic token is used in the aperture, comprising a magnet disposed under the rear end of the guide.

2,073,152
SPEEDOMETER
Ralph O. Helgeby, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 27, 1935, Serial No. 8,422
1 Claim. (Cl. 264—13)

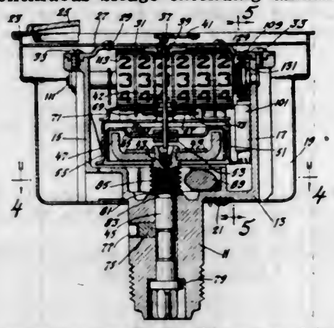


In a measuring instrument, a base, an inverted cup, means to secure said cup to said base, a U-shaped stamping secured to said cup, said stamping having an opening between the arms thereof, a bridge terminally united to said arms, magnetic measuring mechanism within said cup including a spindle journaled therein, projecting therefrom and journaled in said bridge, a plate having a resilient bowed surface, said plate having a sleeve extending from said surface and journaled in said opening of said U-shaped stamping, and a calibrating spring secured to said spindle and to said plate.

2,073,153
SPEEDOMETER
Ralph O. Helgeby, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application December 23, 1932, Serial No. 648,545. Divided and this application May 22, 1935, Serial No. 22,711
2 Claims. (Cl. 264—13)

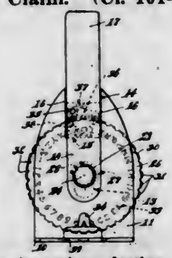
1. In combination, speed indicating mecha-

nism including an indicating device having as a part thereof a spindle, an inverted cup-shaped field plate, spring means secured to said spindle to bias said device to zero position, said cup having a continuous bridge extending diametrically



above the bottom wall of said cup and integrally joining said bottom wall at its opposite ends, said bridge having a central opening, a spring regulator having an extruded portion rotatably supported in said opening and an arm attached to said spring.

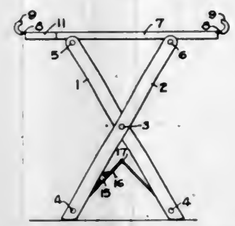
2,073,154
METAL STAMPING DEVICE
Gustav Hoffmann, Chicago, Ill.
Application May 9, 1935, Serial No. 20,518
1 Claim. (Cl. 101—29)



In a metal stamping device, a base having a pair of upwardly extending walls provided with elongated slots and cut out at their upper end to provide a horizontal face and vertical faces in each wall, said base having a foot plate extending beyond the side faces and having a central aperture therein; a plunger having a pair of downwardly extending legs provided with bores and a recess, said legs being adapted to straddle the walls of the base; a stud adapted to extend through the bores in the legs and the elongated slots in the walls for mounting the plunger in the base; a stamping wheel mounted on said stud; and means for normally holding the plunger and stamping wheel in raised position, said means including springs located between the walls of the base and the plunger, said stamping wheel having visible indicia on one side, and one of the walls of the base having a sight slot for sighting said indicia.

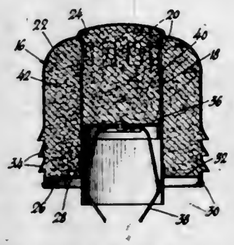
2,073,155
BASKET STAND
Charles Gladstone Ivey, Port Dover, Ontario, Canada, assignor to Imogen Elizabeth Ivey, Port Dover, Ontario, Canada
Application July 11, 1935, Serial No. 30,823
In Canada June 29, 1935
2 Claims. (Cl. 248—150)

1. A basket supporting stand, adapted to releasably engage a basket placed thereon, comprising two pairs of legs, the legs of each pair being pivotally secured together in X formation, transverse bars joining corresponding extremities of the legs of each pair, a basket supporting member pivoted at one extremity on each of the upper transverse bars and overlying the opposite bar, means on the free extremity of each basket sup-



porting member adapted to be drawn into engagement with the basket when said upper bars are caused to separate by the weight of the basket when the latter is placed on the stand, and releasable foot operable means connected with the lower longitudinal bars for locking the stand with the basket engaging means in the basket engaging position.

2,073,156
CRANKCASE BREATHER CAP
Herbert G. Kamrath, Flint, Mich., assignor to General Motors Corporation, Flint, Mich., a corporation of Delaware
Application February 25, 1935, Serial No. 8,046
4 Claims. (Cl. 121—194)

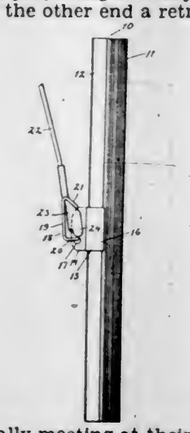


1. A breather cap comprising, a central tube, a larger one piece cup-shaped shell having the closed end thereof secured to one end of the tube and the sides thereof extending around the tube along its length, openings in the side of the tube adjacent the attachment to the shell, a spacing member secured to the tube and the free end of the shell, louvres in the lower end of the shell, openings in the spacing member, a bracket secured across the tube substantially midway between its ends and a spring clip secured to the bracket for assisting in securing the cap to a breather pipe.

2,073,157
WIPER BLADE FASTENER
Arthur B. Kempel, East Brady, Pa., assignor to Rex-Hide, Incorporated, East Brady, Pa., a corporation of Pennsylvania
Application April 20, 1936, Serial No. 75,287
4 Claims. (Cl. 15—250)

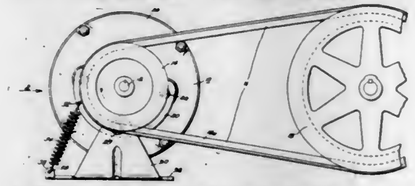
4. A fastener member for connecting a windshield wiper blade with a motor arm, said member being made of spring wire and formed as a pair of side bars connected at one end by a U-

shaped portion projecting laterally from said bars and having at the other end a retroverted pair of



jaws substantially meeting at their free ends and formed as direct continuations of the side bars.

2,073,158
COMBINED MOTOR MOUNTING AND BELT TIGHTENER
Carl H. Kindl and Clement J. Rowe, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 29, 1934, Serial No. 732,983
20 Claims. (Cl. 74—242.13)



3. In combination with an electric motor having a pulley and a driven belt thereon, means supporting the motor for rotation about an axis parallel to the motor shaft and extending approximately through the driving belt side where it initially contacts the motor pulley.

2,073,159
VEHICLE VENTILATING AND SIGNAL UNIT
William Lintern and John B. Lintern, Cleveland, Ohio, assignors, by mesne assignments, to Evans Products Company, Detroit, Mich.
Application January 15, 1935, Serial No. 1,916
7 Claims. (Cl. 98—2)



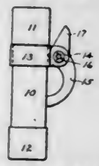
1. A ventilating unit for vehicle bodies comprising a transversely elongated hood having side walls and a substantially upright front wall, a top wall extending rearwardly from the upper limit of the front wall and sloped gradually downwardly rearwardly therefrom, said front wall sloping upwardly rearwardly from its bottom edge to its top limit continuously and said walls providing continuous wall surfaces, said hood having side walls merging with the front and top walls and closing the ends of the hood and said hood having an opening at the bottom adapted for communication with the interior of the vehicle body with which it is to be associated, whereby on forward motion of the vehicle body air is deflected upwardly along said front wall and above the top wall and creates a low atmospheric pressure zone extending rearwardly along the top wall of the hood from the fore portion, and an opening in said top wall of the hood communicating directly with said low pressure zone.

2,073,160
FUSE PLUG
Louis Ludwig, Brooklyn, N. Y., assignor to Eagle Electric Mfg. Co., Inc., Brooklyn, N. Y., a corporation of New York
Application May 17, 1934, Serial No. 726,081
4 Claims. (Cl. 200—121)



1. In a fuse plug, an insulating body member having an interior recess covered with a transparent disk secured to the body member, a metal ferrule secured on the outside of said body member, a metal contact secured in the bottom of the body member, a fusible metal strip contained in the recess and connecting the ferrule with the center contact, a part of the fusible metal strip bent up adjacent to the transparent disk, an indicator disk of non-conducting material, having a tongue formed by two slits extending from the edge of the disk to a short distance beyond its center, the tongue inserted under the bent-up part of the fusible metal strip, and the indicator disk together with the free end of the tongue secured between the transparent disk and the body member so that a shallow chamber is formed in which the exposed part of the fusible strip is housed and from which gases from the blowing of the fuse may be released into the interior recess through the said slits.

2,073,161
ELECTRIC FUSE HANDLE
Louis Ludwig, Brooklyn, N. Y.
Application October 27, 1934, Serial No. 750,246
2 Claims. (Cl. 200—113)

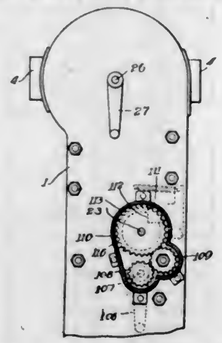


1. A handle for fuses of the type described comprising, a band of insulating material for encircling one end of the body member of the fuse, the ends of said band bent outwardly from said body member, a handle secured to said ends and extending towards the other end of the body member, the handle curved so that a finger may be inserted between it and the body member, and the handle pivoted to the said ends so that it may be extended from and folded against the body member.

2,073,162
COMPUTING SCALE
Otto Malcher, Chicago, Ill.
Application March 17, 1932, Serial No. 599,471
21 Claims. (Cl. 235—58)

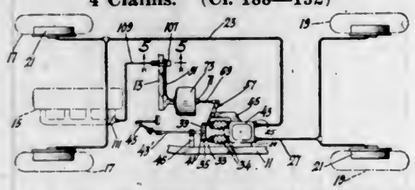
1. In a computing scale, a money value chart and means for varying the movement of the

chart in accordance with the price per pound and the weight, said means comprising a graduated, rotatable price variation disc, an adjuster movable to engage a graduation thereof, an arm movable in accordance with the position of the adjuster at an angle proportionate to the varia-



tion in price, means for moving the arm bodily a distance depending upon the weight, and mechanism operating in a constant path for engaging the arm in its final position as determined by the two adjustments thereof for varying the money value in accordance therewith.

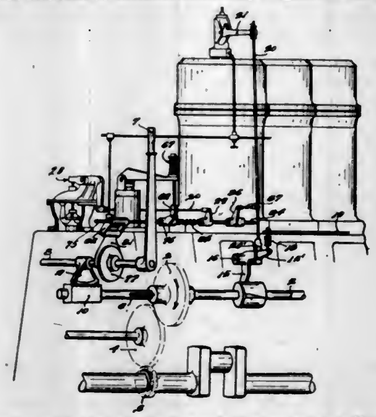
2,073,163
HYDRAULIC BRAKE BOOSTER
George E. Martin, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 8, 1935, Serial No. 9,925
4 Claims. (Cl. 188—152)



1. In a vehicle, supporting means at the rear, supporting means at the front, braking means associated with each supporting means, mechanism to apply the front and rear braking means in a predetermined ratio, power means, operable in response to the deceleration produced by the action of said braking means, to supplement the total braking force by adding to the force applied to the braking means associated with the front supporting means.

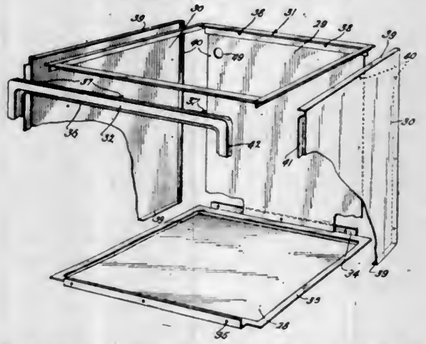
2,073,164
OIL ENGINE
Charles D. Meyer, Seattle, Wash.
Application August 21, 1929, Serial No. 387,543
5 Claims. (Cl. 123—32)

2. In an internal combustion engine having a source of fuel supply under pressure, a fuel-injection valve receiving fuel from said source of supply, means regulated by hand for controlling said valve to obtain variable periods of fuel injection, a governor, means controlled by the governor for regulating the lift of the fuel valve and operating to vary the volume of fuel injection in inverse proportion to the duration of the fuel injection period, a spring opposing the action of the governor, and means interconnecting said spring with the hand regulation for the valve-control means to simultaneously regulate the sen-



sitiveness of the spring and the means affording variation in the period of fuel injection.

2,073,165
REVERSIBLE STOVE
Lewis Moore, Joliet, Ill., assignor to The Moore Corporation, Joliet, Ill., a corporation of Illinois
Application April 13, 1933, Serial No. 665,941
Renewed July 22, 1936
1 Claim. (Cl. 126—39)

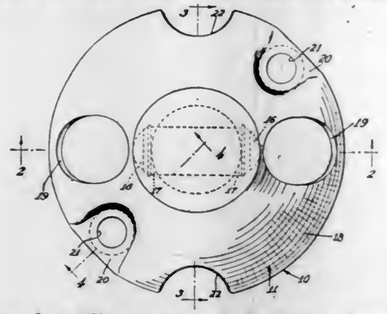


A range unit, comprising a bottom plate, a top frame, a front casting, and side and back walls, said front casting and rear wall each being secured to said bottom plate and said top frame, and each of said side walls being secured only to said rear wall and being maintained in proper relation to said front casting by means of a vertical flange thereon engaging between a vertical flange and cast lugs on said front casting, whereby all of said parts are firmly locked together to form a rigid assembly.

2,073,166
TRAFFIC MARKER
Charles L. Moorman, Blue Island, Ill.
Application August 5, 1935, Serial No. 34,754
1 Claim. (Cl. 88—79)

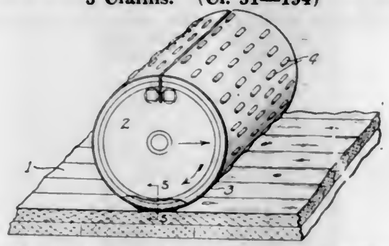
A traffic marker comprising a dome-like shell having a lower peripheral edge and a ceiling portion with a central reflector housing depending from the said ceiling portion and having a horizontal channel cut therethrough with reflector

members positioned in the opposite end openings of said channel, the said shell having a pair of diametrically opposed sight openings therein opposite the said reflectors in said housing and



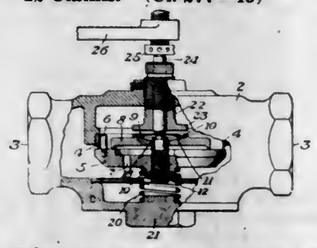
having depending apertured body portions for engagement with mounting members, and drainage notches cut in the said lower peripheral edge of said shell.

2,073,167
SURFACE CLEANING MEANS
Harry L. Myers, Toledo, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio
Application October 23, 1936, Serial No. 107,265
3 Claims. (Cl. 51—194)



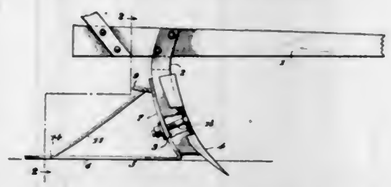
1. An abrasive sheet for surfacing machines, having a plurality of collapsible outwardly directed concavo-convex protuberances with abrading material thereon, and resilient backing means carried by the sheet and secured within the concavity of each protuberance.

2,073,168
VALVE
Robert E. Newell, Irwin, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application July 30, 1930, Serial No. 471,723
12 Claims. (Cl. 277—45)



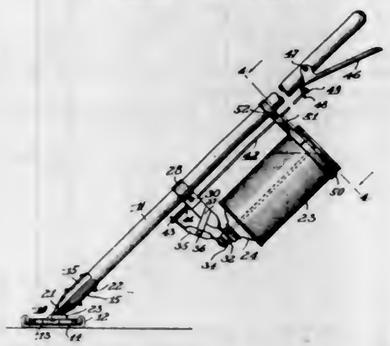
1. In a valve, an actuating member, a main valve controlled thereby and having a port therein, a supplemental valve controlled thereby and cooperating with said port, and means for giving a snap action to the supplemental valve.

2,073,169
PLOW ATTACHMENT
Joseph M. Parmer, Bolling, Ala.
Application July 10, 1936, Serial No. 89,971
6 Claims. (Cl. 97—109)



1. In a device of the class described, the combination of a frame comprising a horizontal portion and an upright portion, said upright portion provided with a rearwardly-extending lip, a brace frictionally held at its upper end in place against said lip, and means on said horizontal portion and the lower end of said brace securing same together.

2,073,170
FLOOR MOP
Arthur O. Pieper, Brighton, N. Y.
Application August 27, 1934, Serial No. 741,619
3 Claims. (Cl. 91—25)

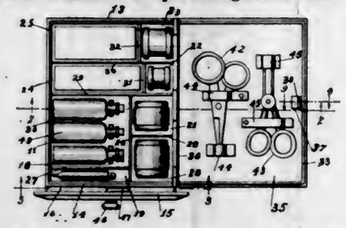


1. A floor mop comprising a mopping element having an operating handle, a container having an outlet portion, a closure member fixed on the handle and threadedly receiving said container outlet portion, said closure having a port for discharging the contents of the container, a valve normally closing said port, means on the handle operable to open the valve, means associated with the valve for closing the same, and a ring-shaped supporting member for the container secured on the handle and through which the container extends and within which it is rotated when screwing it upon the closure.

2,073,171
RECEPTACLE
William F. Pittroff, Union, Mo.
Application January 18, 1935, Serial No. 2,325
7 Claims. (Cl. 206—19.5)

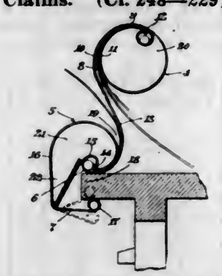
1. A device of the character described comprising a supporting enclosure, a receptacle mounted for sliding movements into and out of said enclosure and having a front wall, a panel supported by said receptacle beyond and separated from said front wall by an intervening space,

a holding device supported by said panel in said space, and means for operating said holding de-



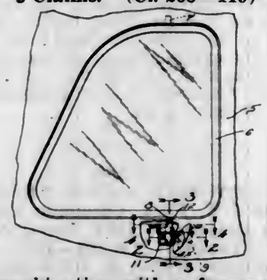
vice into and out of engagement with said supporting enclosure.

2,073,172
HOLDER
Emanuel R. Posnack, Brooklyn, N. Y.
Application November 16, 1935, Serial No. 50,113
3 Claims. (Cl. 248—229)



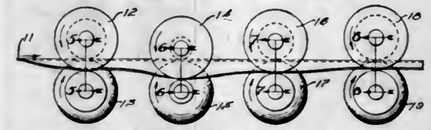
1. A holder of the character described comprising a continuous strip of resilient sheet material formed into an S-shaped structure with two spiral-like formations terminating into coiled loops one of said formations having a central opening therein, another spiral-like formation extending outwardly and downwardly from the terminal of one of said loops, and a table-clamping member joining said latter formation.

2,073,173
WINDSHIELD REGULATOR
Albert T. Potter, Detroit, Mich., assignor to Ainsworth Manufacturing Corporation, Detroit, Mich., a corporation of Michigan
Application May 3, 1934, Serial No. 723,650
3 Claims. (Cl. 268—119)



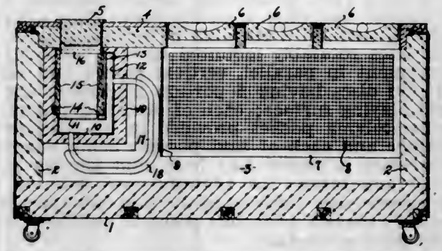
1. The combination with a frame and a window pivoted in the frame and having a trunnion, and a regulator engaging the trunnion for operating the window and comprising a channel bracket having outwardly extending flanges and a downwardly and reversely bent portion, a worm sector mounted between the reversely bent portion and the web of the channel, a shaft extending through the extending portion of the web and the worm sector and rigidly secured to the latter, a worm engageable with said sector, an element pivotally supporting the worm and having trunnion-like extensions, and a second bracket having outwardly extended flanges and greater depth than the first bracket and having nesting relation to the latter and pivotally engaging the trunnion extensions of said element.

2,073,174
METHOD OF MANUFACTURING STEEL TAPE
Albert T. Potter, Detroit, Mich., assignor to Ainsworth Manufacturing Corporation, a corporation of Michigan
Application November 26, 1934, Serial No. 754,741
2 Claims. (Cl. 153—54)



2. The method of manufacturing a normally straight, elongated, transversely bowed steel tape having great linear column stiffness and which flattens in the region of bending when the strip is bent longitudinally out of its normally straight condition and when the bending forces are sufficient to overcome the column stiffness and which strongly reverts to its normally straight, bowed condition when the bending forces are removed, which comprises passing a substantially flat and elongated strip of spring stock through forming elements in a direction longitudinally of the strip, wherein the forming elements progressively bow the strip in a transverse direction, first to a bow of smaller radius of curvature than desired and past the elastic limit of the strip, and then in a reversing manner to a bow of larger radius of curvature and substantially the shape desired, thereby to impart to the strip great linear column stiffness and the ability to revert to its bowed condition after bending it longitudinally, during which the bending portion of the strip flattens.

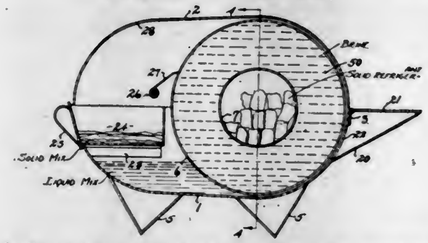
2,073,175
REFRIGERATING CABINET
Clara E. Quinn, Mount Vernon, Ill., assignor to Drilce Appliances Incorporated, Mount Vernon, Ill., a corporation of Delaware
Application March 14, 1936, Serial No. 68,861
8 Claims. (Cl. 62—91.5)



1. In an apparatus as described, a heat insulating cabinet, a metallic container mounted in said cabinet and heat insulated therefrom, said container being formed to support a solid refrigerant in heat exchange relation therewith, a closed circulatory system for a secondary refrigerant connected to said container at spaced points and comprising a plurality of metallic conduits

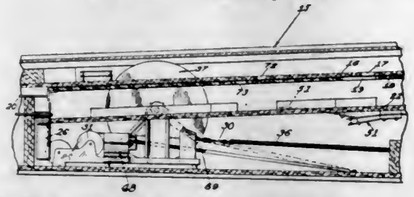
exposed to the interior of the cabinet, perforated walls mounted in the cabinet to divide it into storage spaces while permitting circulation of air currents within the cabinet, and a metallic fin secured to each of the conduits and arranged in parallel relation therewith to provide a plurality of vertical passages.

2,073,176
REFRIGERATING APPARATUS AND METHOD
Clara E. Quinn, Mount Vernon, Ill., assignor to Driice Appliances Incorporated, Mount Vernon, Ill., a corporation of Delaware
Application March 14, 1936, Serial No. 68,862
3 Claims. (Cl. 62—114)



1. In an apparatus as described the combination comprising a receptacle, a double walled metallic drum journaled on the receptacle so as to dip into the contents thereof, a heat conducting liquid mounted in the double walls of the drum, means for rotating said drum and a scraper contacting the surface thereof, the interior of said drum being adapted to receive a solid refrigerant.

2,073,177
GAME APPARATUS
James W. Reed, Chicago, Ill., assignor to Pacific Amusement Manufacturing Company, Chicago, Ill., a corporation of California
Application February 25, 1935, Serial No. 7,985
4 Claims. (Cl. 273—121)



3. In a game apparatus, the combination of: a cabinet including a member providing a ball-playing surface; a plurality of vertically extending discs rotatably mounted in said cabinet for movement in parallel, vertical planes and each of said discs having a portion projecting above said playing surface; each of said discs having a ball-receiving pocket provided in its peripheral surface and each of said pockets being adapted to receive a played ball from said playing surface; and means for spinning said discs so as to convey balls disposed in the said ball-receiving pockets thereof from one point to another upon said playing surface.

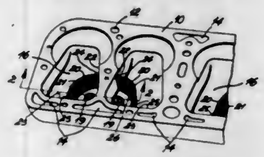
2,073,178
COMPOSITE METAL MOTOR VALVE
George R. Rich, Battle Creek, Mich.
Application April 27, 1936, Serial No. 76,659
5 Claims. (Cl. 123—188)

1. A composite metal motor valve, comprising a stem and a head integrally united therewith, the latter being composed of alloyed material



having a relatively high heat conductivity as compared with the heat conductivity of the stem.

2,073,179
INTERNAL COMBUSTION ENGINE
Edgar W. Riffey, Springfield, Ohio, assignor of one-third to Virgil H. Kirkham, Springfield, Ohio
Application August 24, 1933, Serial No. 686,520
2 Claims. (Cl. 123—191)

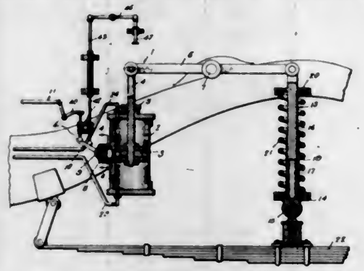


1. In a four-cycle internal combustion engine, a cylinder block and a cylinder head attached thereto and providing a combustion chamber therewith, an intake valve for governing the entire supply of air and fuel as an explosive mixture to the combustion chamber, an exhaust valve for the exhaust of burned gases from said combustion chamber, a spark plug for igniting the fuel and air mixture supplied through said intake valve, and a foraminous vertical partition spaced from said spark plug and intake valve and enclosing the same so as to separate these parts from the exhaust valve and portions of the combustion chamber and cylinder space, and providing for a preliminary ignition of a portion of the body of gas which is distributed through the openings in said foraminous partition in a plurality of radial directions through said foraminous partition, said partition having an integral connection to the cylinder head and extending down from the cylinder head substantially to the cylinder block, said foraminous partition being permanently attached to the underside of the top of the cylinder head.

2,073,180
COUNTERACTING SHOCK ABSORBER
Russell W. Rink, Coronado, Calif.
Application October 3, 1934, Serial No. 746,750
6 Claims. (Cl. 280—112)

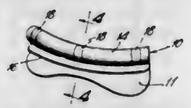
1. In combination with an automobile provided with a drive shaft and having a chassis supporting a body and axles connected to said chassis by springs, double acting hydraulic shock absorbers connected to the chassis and axles for normally checking the action of said springs, a pump carried by the automobile, means connecting said pump to the hydraulic shock absorbers, centrifugally actuated means for connecting and

disconnecting the pump to the power shaft, and centrifugal actuating means for rendering the



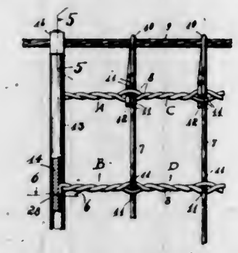
normal action of the shock absorbers operative and inoperative.

2,073,181
SHOE SHIELD
Jay Rose, Brooklyn, N. Y.
Application January 8, 1936, Serial No. 58,054
9 Claims. (Cl. 36—70)



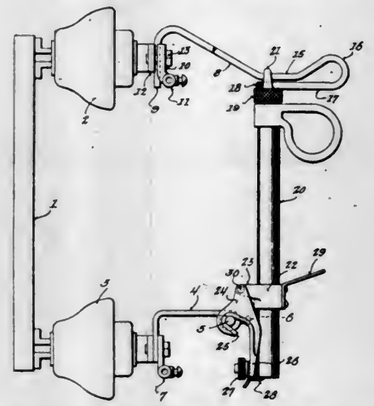
1. A shoe shield comprising a thin flexible body shaped to conform to the shape of the edge of a shoe upper to which the shield is adapted to be applied, a rolled portion formed integral with the upper edge of said body to engage over the edge of a shoe, metal spring clips countersunk in the exterior of the rolled portion to urge the free edge of the rolled portion toward said body, and interlocking means between the ends of said clips and the rolled portion for securing said clips in position thereon.

2,073,182
TENNIS NET
John R. Scherer, Rosemead, Calif.
Application August 26, 1935, Serial No. 37,881
5 Claims. (Cl. 273—29)



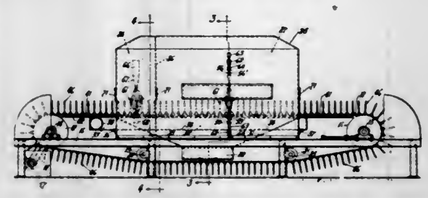
1. In a tennis net, horizontal and end edge members, upright members stretched between upper and lower horizontal edge members and uniformly spaced between end edge members, horizontal members stretched between end edge members and uniformly spaced between the upper and lower edge members, the end members being hollow and having apertures to receive the ends of the horizontal members, and means inserted into the edge members and designed for bending and locking the ends in the end edge members.

2,073,183
FUSE CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application December 24, 1934, Serial No. 758,903
20 Claims. (Cl. 200—127)



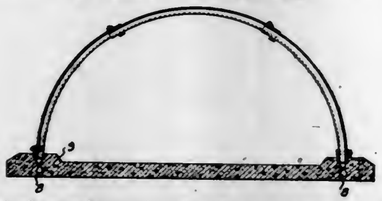
15. An automatic circuit interrupter comprising an expulsion tube pivoted adjacent its lower end and having a projecting upper contact, a stationary upper contact for said expulsion tube including divergent hornlike spring arms adapted to be rocked apart by the upper contact when the expulsion tube is rocked into closed position, and having a restricted portion to yieldingly restrain the expulsion tube from rocking outwardly, stop means carried by said arms spaced from said restricted portion and defining a limit of inward rocking motion of the expulsion tube, an expulsible conductor in said tube, and means operable on the occurrence of overload to expel said conductor from said tube and to lower said tube with respect to the pivotal support adjacent its lower end.

2,073,184
APPARATUS FOR CLEANING ARTICLES OF CERAMIC MATERIALS
Howard V. Schweitzer, Cleveland, Ohio
Application November 11, 1935, Serial No. 49,167
17 Claims. (Cl. 51—14)



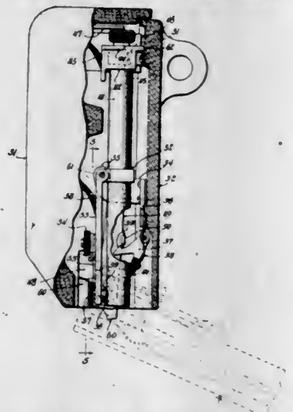
1. Apparatus of the class described, comprising the combination of a travelling conveyor, lower impacting means disposed at the sides of the conveyor and directed above and across the same to a zone of action sufficiently above the conveyor so that said impacting means may effectively cover the lower surface of an object disposed in said zone, upper impacting means directed downwardly toward said zone for covering the upper surface of an object disposed therein, and means carried by the conveyor for supporting an object in said zone.

2,073,185
CHANNEL STRUCTURE FOR METAL ARCHES
George E. Shafer, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application January 3, 1936, Serial No. 57,387
9 Claims. (Cl. 138—71)



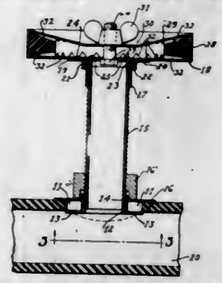
1. A channel member for the purpose described, comprising a web and two legs of uniform length throughout, one of said legs being of a height sufficient to gauge a satisfactory depth to which the said channel may be embedded in concrete, the other of said legs being sufficiently longer to permit the bolting of plates thereto, without interference either from said first mentioned leg, or from said concrete.

2,073,186
HOUSED TYPE OF DROP-OUT FUSE
Alwin G. Steinmayer, Milwaukee, and William O. Schultz, South Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application April 9, 1934, Serial No. 719,624
26 Claims. (Cl. 200—127)



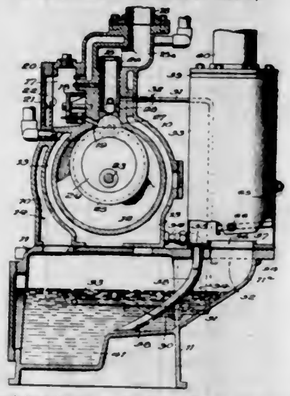
25. A housed type of drop-out fuse comprising a casing, stationary contacts carried by said casing, a door for said casing, an expulsion tube carried by said door and having spaced contacts normally engaging said stationary contacts and having a flexible conductor normally joining said spaced contacts, link mechanism for supporting said door from said casing independently of said expulsion tube, restraining means normally holding said link mechanism against movement, latching mechanism adjacent the upper portion of said casing for holding the upper portion of said door closed, said link mechanism when released by said restraining means first rocking the lower portion of said door outwardly, said door and expulsion fuse thereafter moving downwardly from said casing, and current responsive means for releasing said link mechanism for movement.

2,073,187
SPRINKLING DEVICE
Harold L. Webb, Webster Groves, Mo.
Application October 21, 1936, Serial No. 106,740
5 Claims. (Cl. 299—106)



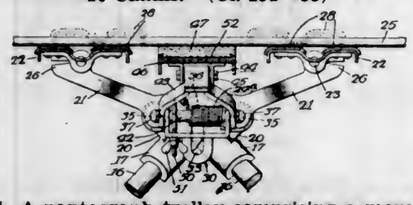
1. In a water sprinkling device, a base adapted to be mounted in a hose, a tubular member secured to said base, a sprinkler head mounted on said tubular member and comprising an upper and a lower cap member with a transversely grooved, compressible gasket circumferentially interposed between said upper and lower cap members, and means for compressing said gasket to vary the discharge of water through said grooves in said gasket.

2,073,188
ROTARY PUMP
Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, a corporation of Pennsylvania
Application May 28, 1934, Serial No. 728,006
2 Claims. (Cl. 230—207)



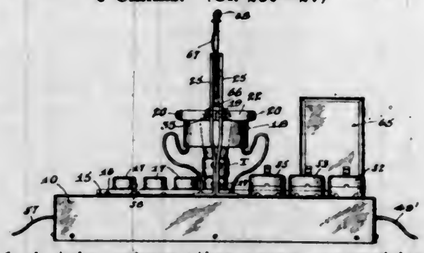
2. In combination, a hollow base provided with an oil reservoir therein, a vacuum pump mounted on the top of said reservoir, a gas inlet and a gas outlet formed in said base and communicating with the air space above said oil reservoir, means for passing exhaust gases from said pump into said gas inlet, a unitary separator detachably mounted on said base having an inlet arranged over the gas outlet in said base and having an outlet communicating with the atmosphere, said separator being so constructed that the separated oil is maintained substantially out of the path of the discharge gases and having an annular reservoir surrounding its inlet opening for collecting all of the separated oil, and a pipe secured to and carried by said separator for returning oil from said annular reservoir to a point below the surface of the oil in said base reservoir out of the path of said gases, whereby the exhaust gas discharged into the atmosphere is substantially free from entrained oil and the oil supply is thereby conserved.

2,073,189
PANTOGRAPH TROLLEY
Homer W. Williams, Tacoma, Wash.
Application June 22, 1933, Serial No. 677,028
10 Claims. (Cl. 191—55)



1. A pantograph trolley comprising a movable framework, a main contact shoe, yielding lever supports connecting the shoe and the framework, an auxiliary independent lubricating shoe, auxiliary yielding lever supports connecting the auxiliary shoe and the framework, and pivoted to swing about axes transverse to the axes of the first-mentioned lever supports, both of the named shoes being engageable with a conductor.

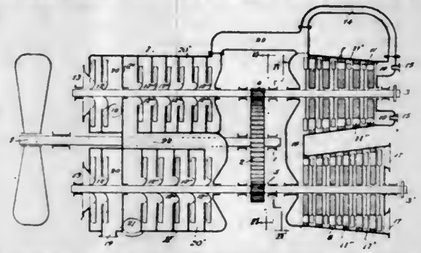
2,073,190
RADIO TUBE REJUVENATOR
William Bartlett and Ralph Carpenter, Spencer, W. Va., assignors of one-third to Wm. S. Ryan, Spencer, W. Va.
Application April 23, 1936, Serial No. 76,067
6 Claims. (Cl. 250—27)



1. A tube rejuvenating means comprising a base, a tube socket carried by the base, a tube heating member, means for supporting said heating member above said tube socket and about a tube in said socket, means for connecting said heating member to a source of electric current supply, and means for controlling the heat generated by said member.

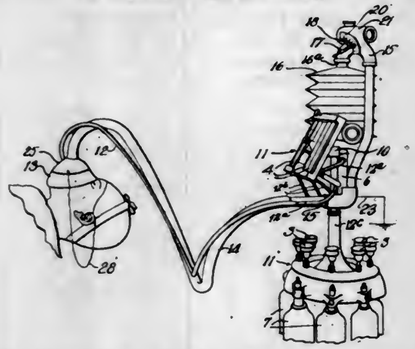
2,073,191
COMBUSTION TURBINE
Giuseppe Belluzzo, Rome, Italy
Application March 29, 1935, Serial No. 13,774
In Italy February 13, 1935
2 Claims. (Cl. 60—41)

1. An internal combustion turbine of the character described, comprising three turbine bodies, a main drive shaft adapted to be driven by said turbine bodies, said bodies being symmetrically arranged around said shaft, and one of said bodies being a high pressure turbine and the remaining two being low pressure turbines, conduits placing said high pressure turbine in communication with said low pressure turbines, three centrifugal air compressors, each compressor being disposed coaxially of each turbine body, rotor shafts joining each turbine body with each air compressor, said shafts being driven by said turbine bodies, whereby each turbine body controls the operation of its associated air compressor, a main gear on



said main drive shaft, reduction gears on each of said rotor shafts adapted to mesh with said main gear, a plurality of combustion chambers arranged in said high pressure turbine, and means placing said air compressors in communication with said combustion chambers.

2,073,192
METHOD AND APPARATUS FOR THE ADMINISTRATION OF GASES
Karl Connell, Branch, N. Y.
Application October 21, 1931, Serial No. 570,085
23 Claims. (Cl. 128—203)



22. Apparatus of the character described, comprising an enclosure formed with means adapted to fit over the face of the patient, means to deliver a controlled supply of gas to said enclosure, and a conduit leading away from said enclosure, means including said conduit providing a reservoir for exhaled gas, means providing an outlet at a distal point in said reservoir, said reservoir having a greater capacity than a single breath of the patient, and said conduit having a sufficiently small cross-sectional area to prevent the ready mixing of gases therein.

2,073,193
FLEXIBLE TUBE CLOSURE
Robert L. Curran, deceased, late of Moultrieville, S. C., by Anna Bush Curran, Bradenton, Fla., executrix, assignor of twenty-seven per cent to William E. Curran, twenty per cent to Robert B. Curran, and twenty per cent to Richard L. Curran, all of Alma, Georgia
Application February 12, 1936, Serial No. 63,656
1 Claim. (Cl. 221—60)

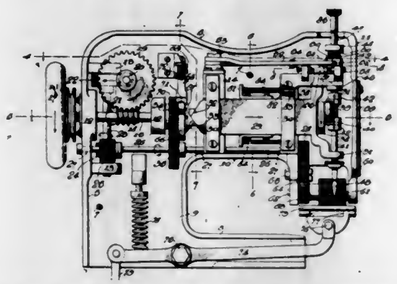
A container having a solid integral neck provided with a substantially flat outer end and an

integral tapered valve pin extending from said outer end of the neck and centrally positioned with respect to the neck; said neck having a substantially semi-spherical recess at the inner end thereof opening into the container and also having diagonal passages extending through the neck from said recess to the flat outer end of the neck, said neck for substantially half the length thereof being diametrically enlarged to provide a shoulder,



and the enlarged part of said neck being externally threaded, and a cap for the container having a flat crown provided with a central opening to accommodate the valve stem and also being provided with an integral internally threaded skirt screw threadedly engaging the enlarged portion of the neck, and said skirt having its free edge portion turned inwardly to engage the shoulder to limit outward movement of the cap relative to the neck.

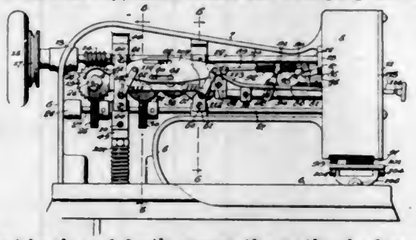
2,073,194
FUR CUTTING MACHINE
Oscar M. Dean, Sioux City, Iowa
Application January 16, 1935, Serial No. 2,111
37 Claims. (Cl. 164—50)



1. In a fur cutting machine, the combination of a narrow flat reciprocating cutting element having two cutting edges merging in a central penetrating point, and means to bring about relative movement between a fur bearing hide and said element to cause the element to successively penetrate the hide at intervals spaced less than the major cross sectional area of said element whereby one or the other of said edges will form a succession of cuts conjointly forming a continuous line cut depending upon the direction of said relative movement.

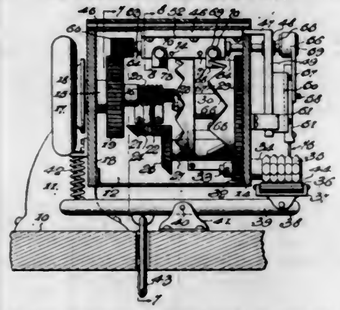
2,073,195
FUR CUTTING MACHINE
Oscar M. Dean, Sioux City, Iowa
Application January 16, 1935, Serial No. 2,112
38 Claims. (Cl. 164—50)

1. In a fur notching machine, a slender cutting element adapted for forming narrow cuts in a fur bearing hide, means for reciprocably and swingably supporting said element, means for reciprocating the element, means for advancing the hide past the element to be repeatedly pierced thereby, and means for swinging the ele-



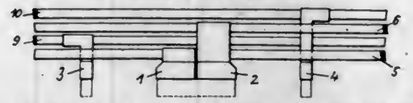
ment back and forth across the path of advancement of the hide.

2,073,196
FUR CUTTING MACHINE
Oscar M. Dean, Sioux City, Iowa
Application January 23, 1935, Serial No. 3,118
27 Claims. (Cl. 164—50)



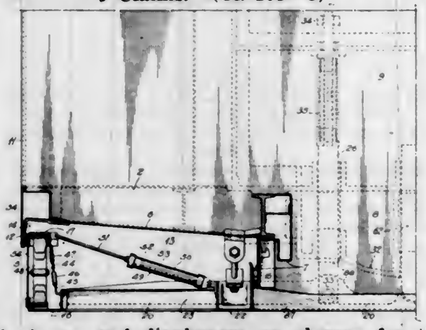
1. In a fur notching machine, a frame, a carriage slidably mounted in the frame, a carrier slidably mounted on the carriage for movement in a direction at right angles to the direction of movement of the carriage, a carrier reciprocating shaft journaled in the carriage, reciprocating means connecting said shaft and the carrier, a slender hide cutting element mounted in the carrier, means for rotating the shaft, means for reciprocating the carriage, and hide advancing means for moving the hide at right angles both to the direction of reciprocation of the carriage and the direction of reciprocation of the carrier.

2,073,197
FLAT KNITTING FRAME
Gustav Herbert Dietrich, Meinersdorf in Erz Gebirge, and Hugo Drechsel, Oberlichtenau, Germany, assignors, by mesne assignments, to Kalio Inc., New York, N. Y.
Application August 11, 1936, Serial No. 95,450
In Germany August 14, 1935
6 Claims. (Cl. 66—82)



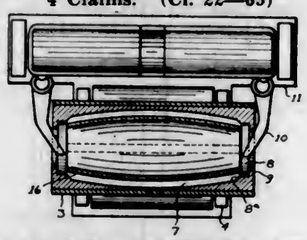
1. In a flat knitting frame for producing a stocking in one operation a plurality of frame needles, a narrowing machine, two large horizontally adjustable narrowing fingers for taking up the meshes of the middle portion of the stocking from the frame needles during production of the heel portion and returning them thereto after completion of the heel portion, two small narrowing fingers ordinarily disposed between the large fingers, covering needles for said narrowing fingers, carrying bars for said narrowing fingers disposed on the narrowing machine, a bearing for the carrying bars of the small fingers, said large fingers with their covering needles being temporarily brought out of the plane of the covering needles of the small fingers, pushed together towards the center of the section and placed side by side while said small fingers are pushed in inoperative position outside the section with the large fingers positioned between them, said large fingers, parallel to themselves, being moved forward for racking the meshes of the middle portion taken up by them in front of the frame needles and displaced backward for returning them to the frame needles.

2,073,198
VESTIBULE CLOSURE FOR RAILWAY CARS
Ethan I. Dodds, Jr., Central Valley, N. Y., assignor to The New York Central Railroad Company, a corporation of New York
Application May 29, 1936, Serial No. 82,662
9 Claims. (Cl. 105—8)



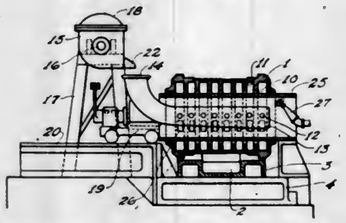
1. A car end diaphragm or closure for the space between adjacent ends of coupled cars comprising outer and inner inverted U-shaped diaphragm sections, means for supporting the outer section on the car for pivotal movements on a central vertical axis and for buffing movements toward and from the car, means for cushioning the buffing movements of said outer section, and supporting and buffing means yieldably supporting the inner section from the outer section.

2,073,199
CENTRIFUGAL CASTING
Maxwell G. Dumas, Pittsburgh, Pa., assignor to The Dumas Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application December 19, 1933, Serial No. 703,086
4 Claims. (Cl. 22—65)



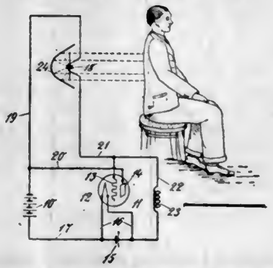
1. Apparatus for centrifugally casting metal comprising a rotatable mold of bellied shape having grooves extending axially on the inner surface thereof, said grooves being in angularly spaced relation, said mold being further provided with annular flow passages in communication with the respective ends of said grooves for feeding molten metal to both ends of said grooves simultaneously.

2,073,200
CENTRIFUGAL CASTING
Maxwell G. Dumas, Pittsburgh, Pa., assignor to The Dumas Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application December 19, 1933, Serial No. 703,087
4 Claims. (Cl. 22—65)



4. Apparatus for centrifugally casting metal comprising a rotatable mold having a mold cavity for receiving metal on the inner wall thereof, a metal liner placed in alinement with and co-extensive to the mold cavity but out of contact with the edges thereof, and means for pouring molten metal between the liner and the walls of the mold cavity, while the mold is subjected to rotary motion.

2,073,201
METHOD OF DIATHERMIC TREATMENT BY MEANS OF HIGH FREQUENCY
Abraham Esau, Jena, Germany
Application June 16, 1933, Serial No. 676,195
In Germany January 21, 1928
11 Claims. (Cl. 128—1.3)



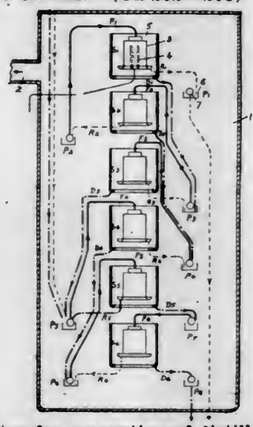
1. In a therapeutic apparatus, a dipole, a reflector adjacent said dipole directing the waves from the dipole in a definite direction, a source of current, a conductive connection between one element of said dipole and one side of the source of current, a vacuum tube containing a plate, a grid and a heater filament, a second conductive connection connecting the remaining member of the dipole and said grid, a third conductive connection connecting the plate with the first conductive connection, a fourth conductive connection between the remaining side of the source of current and the second conductive connection and including a filament battery and resistance in series, and conductive connections from each end of said filament to the fourth conductive connection on opposite sides of said filament battery.

2,073,202

VACUUM DISTILLATION

Eric William Fawcett and John Lewis McCowen, Northwich, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

Application March 7, 1935, Serial No. 9,872
In Great Britain March 7, 1934
3 Claims. (Cl. 202—205)



1. Apparatus for separation of distillable materials by evaporative distillation, comprising a chamber adapted to be evacuated to a high degree of vacuum, a series of distilling units in said chamber each comprising means affording a distilling surface, heating means and means affording a condensing surface disposed closely adjacent the distilling surface, each of said units being arranged to yield in operation a distillate and a residue, one unit intermediate of the series being adapted to take raw material and yield a preliminary residue and a preliminary distillate, some of the remaining units being arranged to subject said preliminary residue from the first unit to successive distillations, and the rest of the units being arranged to subject said preliminary distillate from the first unit to successive distillations, and conduit and pump means enclosed in the chamber for recycling distillates, from each unit working on the preliminary residue, to the next unit in the series toward said intermediate unit, and for recycling residues, from each unit working on the preliminary distillate, to the next unit in the series toward said intermediate unit.

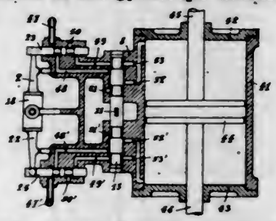
2,073,203

DIRECTIONAL STABILIZING APPARATUS FOR AERIAL OR MARINE CRAFT

Jean Fieux, Paris, France, assignor of one-half to Schneider & Cie, Paris, France, a company of France

Application October 5, 1934, Serial No. 747,087
In France December 1, 1933
14 Claims. (Cl. 114—144)

1. In a directional stabilizing device for an aerial or marine vessel of the type wherein a gyroscope controls the distribution of a motive fluid to and from a servo-motor connected to the rudder of said vessel so as to move said rudder from its normal position in such direction as to bring said vessel back to its desired course whenever said vessel deviates from that course and wherein the plane of the vertical frame of the gyroscope represents the desired course, the combination of primary distributing means controlling the supply and exhaust of motive fluid to and from said servo-motor, means carried by the vertical frame of said gyroscope for operating said primary distributing means, the movements of said primary distributing means from its neutral position being in direct relation to the movements of said vessel relatively to the plane of said vertical frame of the gyroscope which represents



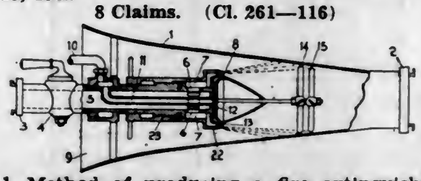
the desired course, supplemental distributing means adapted to modify the control exercised by said primary distributing means upon the operation of said servo-motor, and means responsive to each change in the direction of movement of said vessel relatively to the plane of said vertical frame for operating said supplemental distributing means.

2,073,204

METHOD AND APPARATUS FOR PRODUCING FIRE EXTINGUISHING FOAM

Wilhelm Friedrich, Berlin-Charlottenburg, Germany

Original application December 5, 1933, Serial No. 701,069. Divided and this application April 11, 1935, Serial No. 15,894. In Germany December 13, 1932
8 Claims. (Cl. 261—116)



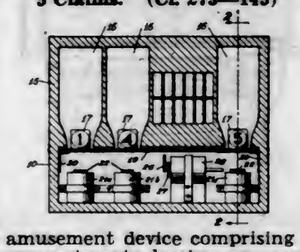
1. Method of producing a fire extinguishing foam which comprises ejecting one or more high velocity streams of liquid from a corresponding number of nozzles in such manner as to impart a high degree of turbulence to the body of said stream of liquid, thereby finely subdividing the same, and aspirating air from the atmosphere into and by means of the resulting stream of subdivided liquid in the presence of a foam promoting agent.

2,073,205

DICE AGITATOR

Bernhard C. Grunig, Chicago, Ill.

Application April 13, 1936, Serial No. 74,035
5 Claims. (Cl. 273—145)



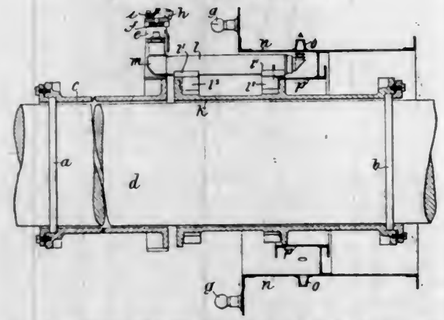
1. An amusement device comprising dice containing compartments having an open bottom, agitating means positioned in the open bottoms for agitating dice within the compartments, and means movable into and out of the compartments in a direction to engage any of the dice in the said compartments not positioned flatly upon the agitating means, and to cause the said dice thus engaged to assume a flat position upon said agitator.

2,073,206

TORSION METER

William James Guthrie and Victor William Henry Towns, London, England, assignors to E. R. Watts & Son Limited, London, England

Application November 30, 1934, Serial No. 755,279½. In Great Britain December 6, 1933
5 Claims. (Cl. 265—25)



1. A torsion meter of the kind referred to comprising two sleeves, each of which is clamped at one end only to a rotating part submitted to torsional stresses, a scale carried on one of said sleeves, a microscope carried upon the other sleeve and co-operating with said scale and a stationary baffle surrounding the rotating parts and having an observation aperture therein through which the image of the scale in the field of the microscope may be viewed.

2,073,207

MANUFACTURE OF ASCORBIC ACID AND ITS ANALOGUES

Walter Norman Haworth, Edmund Langley Hirst, John Kenyon Netherton Jones, and Fred Smith, Edgbaston, Birmingham, England, assignors to The British Drug Houses, Limited, London, England, a company of Great Britain

No Drawing. Application August 28, 1935, Serial No. 38,324. In Great Britain September 1, 1934
10 Claims. (Cl. 260—123)

10. Process for the manufacture of a member of the group consisting of ascorbic acid and its analogues, which comprises oxidizing a ketose to form an oxidation product including the corresponding 2-keto-acid, working up and purifying said oxidation product to a concentrate including the 2-keto-acid, esterifying said concentrate to form an esterified product including an ester of the 2-keto-acid, and subjecting said esterified product to treatment with an enolizing agent without segregating said esterified 2-keto-acid.

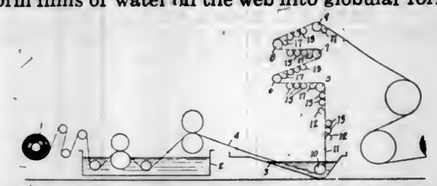
2,073,208

PAPER WAXING APPARATUS

Ralph A. Hayward, Parchment, Mich., assignor to Kalamazoo Vegetable Parchment Company, Parchment, Mich.

Application April 6, 1934, Serial No. 719,243
18 Claims. (Cl. 34—48)

13. An apparatus for removing water from waxed paper consisting of means acting to transform films of water on the web into globular form,



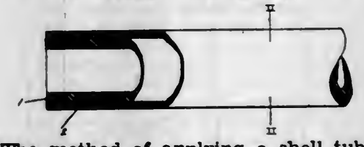
and suction means for removing the globules of water.

2,073,209

WRITING MACHINE PLATEN AND METHOD OF MAKING THE SAME

Jesse W. Heitman, Seattle, Wash., and James J. Kelly, Portland, Oreg., assignors to Huntington Rubber Mills, Portland, Oreg., a corporation of Oregon

Application January 26, 1934, Serial No. 708,459
5 Claims. (Cl. 18—59)



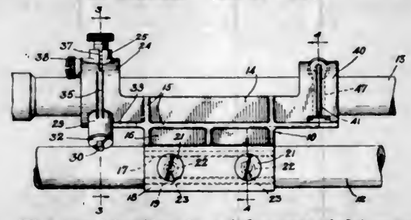
1. The method of applying a shell tube to a cushion tube in platen manufacture which consists in cementing the surface of a finished cushion tube, wrapping raw shell stock thereabout, wrapping with cloth to apply compression, softening the shell stock to plasticity by heat and vulcanizing the same by increasing the heat.

2,073,210

GUN-SIGHT MOUNT

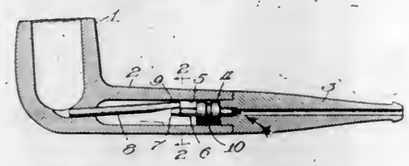
Ole Horsrud, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application January 11, 1936, Serial No. 58,618
12 Claims. (Cl. 33—50)



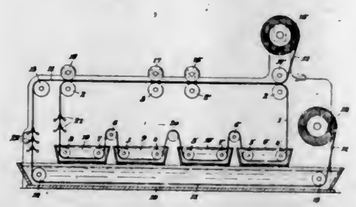
1. The combination in a telescope sight mount, comprising a base adapted to be secured to the receiver of a gun and providing a track disposed parallel with relation to the axis of the gun bore, a frame fashioned as one integral piece including a plurality of parts, one of said parts including means in engagement with said base and slidable into position along said track, two other parts extending laterally from the frame into overlying relation to the gun, one of said two parts comprising an arm arranged to overlie the receiver of the gun when the mount is assembled thereon and having a movable clamp for securing one end of a telescope sight to said arm, the remaining of said two parts being a split-ring loop adapted to support the opposite end of the telescope sight and including means for adjusting the telescope sight with respect to elevation and windage.

2,073,211
TOBACCO PIPE
Edward L. Kellan, Chicago, Ill.
Application February 24, 1936, Serial No. 65,351
2 Claims. (Cl. 131—12)



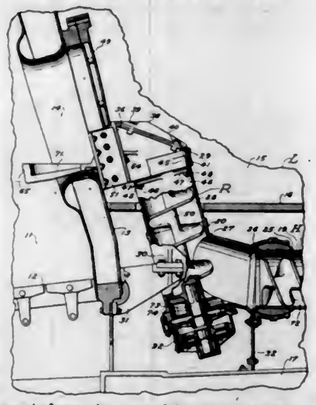
1. A straight stemmed pipe having a bowl, a shank and a stem detachable from the shank, there being in the shank a bore of large diameter extending from the free end to the vicinity of the bowl, the stem having a part much shorter than the said bore fitting into the outer end of the bore, an open-ended tube fixed to the stem at the longitudinal axis thereof and projecting forwardly from the same into that part of said bore inwardly from the stem, the wall of the tube being tapered on the exterior adjacent to its free forward or inner end to provide a sharp edge, and a second open-ended tube extending from the center of the bowl below the bottom of the tobacco chamber upwardly and rearwardly to a point above and slightly overlapping the first tube, the part of the second tube that overlaps the first tube lying close to the latter and being flattened to reduce the vertical thickness of the same and cause the side adjacent to the tapered portion of the first tube to be substantially parallel to the nearest longitudinal line in the surface of the tapered portion of the first tube.

2,073,212
PROCESS FOR THE PRODUCTION OF PHOTO-LIKE MULTITONED PRINTS
Friedrich Lierg, Vienna, Austria, assignor to Jasma A. G., Zurich, Switzerland, a company of Switzerland
Application March 15, 1934, Serial No. 715,719
In Germany March 17, 1933
1 Claim. (Cl. 101—149)



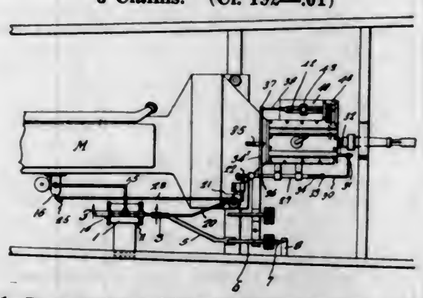
Process for the production of photo-like multi-toned prints by means of a gelatin matrix and by using a printing surface prepared with a reagent which precipitates coloring agents in a water-insoluble form, which consists in first applying two coloring agents precipitatable by said reagent to the matrix, one of said coloring agents being irremovable while the other coloring agent is removable by washing, then partly removing said removable coloring agent, hereafter placing in contact said printing surface with said matrix whereby both coloring agents are transferred from said matrix to said printing surface, and finally separating said matrix and said printing surface.

2,073,213
STOKER
Henry E. Lippert, Pittsburgh, Pa.
Application October 24, 1933, Serial No. 694,952
9 Claims. (Cl. 110—101)



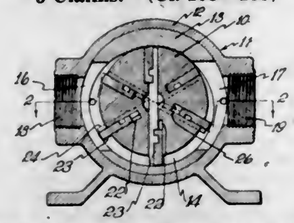
6. In a stoker, in combination with a firebox having a firing opening, a riser conduit provided at its upper end with a mouth portion communicating with said opening, a bar-shaped distributor head mounted on said conduit at the bottom of the mouth portion, said head having a projection on each end thereof, means engaging said projections for attaching the head to said conduit, and a distributor plate hinged to said conduit and extending forwardly from said head, the front wall of said head having jet openings therein for discharging pressure fluid across said plate and being offset below the jet openings to receive the rear edge of said plate, and said plate being recessed at its rear end to fit around said head.

2,073,214
AUTOMATIC CLUTCH FOR MOTOR VEHICLES
Hasell A. Lohse, North Wildwood, N. J.
Application May 11, 1935, Serial No. 21,065
3 Claims. (Cl. 192—.01)



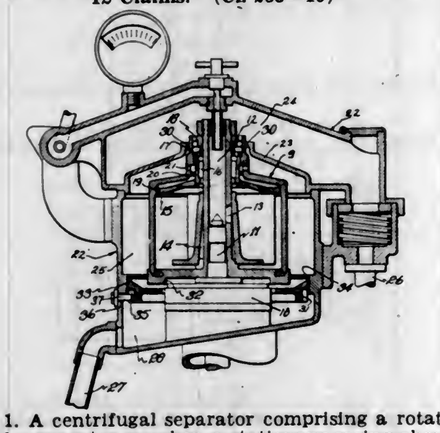
1. In a motor vehicle including a clutch pedal, an accelerator and a throttle valve, a cylinder having ports in communication with its ends, a conduit connecting said ports with a suction producing device of the motor, a valve controlling the ports, a piston in the cylinder, a piston rod, a link connecting the rod to the clutch pedal, a link connecting the valve with the accelerator, the link connecting the accelerator with the throttle valve having a slot therein receiving the arm of the throttle valve for causing operation of the suction controlling valve before the operation of the throttle valve, means for holding the accelerator in partly depressed position when the vehicle is in high gear for preventing movement of the accelerator operating the said valve for causing the piston to release the clutch, and governor operating means for moving the accelerator holding means in position when the speed of the vehicle has been reduced to a predetermined degree.

2,073,215
ROTARY PUMP
John Mann, Seneca Falls, N. Y., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y., a corporation of New York
Application January 23, 1934, Serial No. 707,884
5 Claims. (Cl. 103—138)



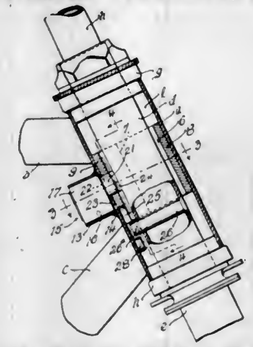
1. A rotary fluid handling device comprising a rotor, a casing providing inlet and outlet openings and a working chamber, said working chamber having a periphery two portions of which are arcuate and concentric with the axis of the rotor, one of said portions having a greater radius than the other of said portions and at least part of each portion being closed, a plurality of pairs of oppositely-disposed fixedly-connected vanes slidably mounted in said rotor for unrestrained movement over a distance sufficient to enable two proximate vanes to be simultaneously adjacent to the arcuate portion of greater radius, means to limit the sliding movement of said vanes to prevent pressure contact thereof with said arcuate portion of greater radius, and means for admitting a liquid between each vane and its limiting means to provide a cushion when the limiting means is approached by the vane.

2,073,216
CENTRIFUGAL SEPARATOR
John Mann, Seneca Falls, N. Y., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y., a corporation of New York
Application April 26, 1934, Serial No. 722,463
12 Claims. (Cl. 233—19)



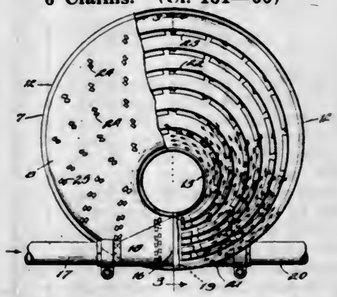
1. A centrifugal separator comprising a rotatable separator member, a stationary casing about said separator member, means including said casing providing upper and lower chambers for the reception of materials of different specific gravity, there being a gaseous medium in said chamber, said means being arranged to provide a clearance opening between said chambers to permit free rotation of the separator member, and baffle means adjustably mounted on the casing to substantially prevent a movement of said medium through said opening.

2,073,217
BICYCLE LOCK
James S. Manton, Oak Park, Ill.
Application May 7, 1936, Serial No. 78,347
8 Claims. (Cl. 70—185)



1. In combination in locking means of the character described, a fixed tubular head, a stem extending into said head in concentric spaced relation thereto and mounted for turning movement, a tubular structure disposed within the space between the stem and the head, said tubular structure comprising a locking member slidable lengthwise of the head into operative or inoperative positions and a fixed guide member providing a bearing guide for said locking member, a locking element rigid with and projecting from said stem, said locking member having means engageable with said locking element in the operative position of said locking member, a lock accessible exteriorly of said head, and operating connections between said lock and said locking member for moving the latter into operative position and inoperative position and locking it in adjustment.

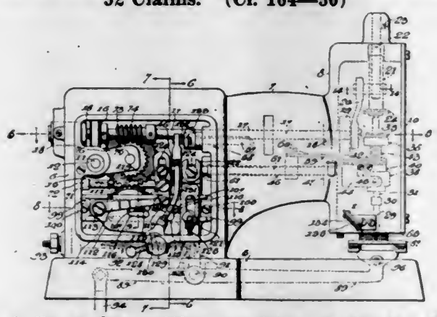
2,073,218
MUFFLER
Erik J. Mordt, Port Washington, N. Y.
Application September 26, 1935, Serial No. 42,190
6 Claims. (Cl. 181—66)



4. A muffler comprising a shell having a substantially circular outer wall and a substantially

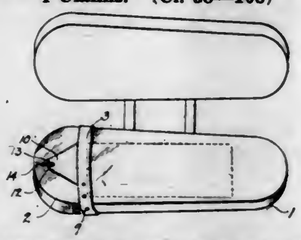
circular inner wall which is arranged eccentrically with respect to the outer wall, thus making the shell of less width at one point than at other points, the narrower portions providing inlet and outlet openings, and a plurality of partitions in the shell arranged eccentrically with respect to the inner wall and with respect to each other and dividing the shell into a plurality of passageways of varying cross section and of different lengths.

2,073,219
FUR CUTTING MACHINE
Harley C. Moulton, Maplewood, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine
Application September 13, 1935, Serial No. 40,510
52 Claims. (Cl. 164—50)



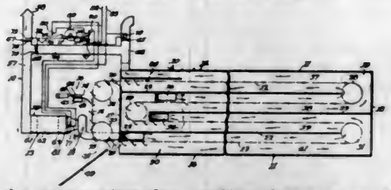
1. In a fur cutting machine, a slender flat cutting element having a penetrating point, means for supporting the element, means for reciprocating the element in its support, spring means tending to rotate the element about its axis, and means for at times securing the element against rotation and for at times releasing the element to permit rotation including shiftable devices for varying the respective securing and releasing intervals.

2,073,220
AUXILIARY BAND FOR CLOTHES PRESSES
Sheldon C. Percy, Seattle, Wash.
Application September 23, 1935, Serial No. 41,759
4 Claims. (Cl. 38—108)



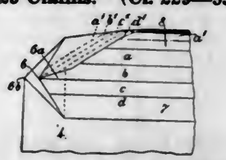
1. A device of the character described, comprising a flexible band adapted to be applied about a pressing board of the character disclosed, means associated with the band for joining its ends across the under side of the board to hold it tightly secured about the board; said band comprising a plurality of layers, and hook devices arranged in the band in close relation along that part across the top of the board, and against which devices a piece of material to be worked on may be removably applied and held for the work to be done thereon; said hook devices having shank portions anchored between the layers of material constituting the band.

2,073,221
APPARATUS FOR COOLING BAKERY PRODUCTS
Wade W. Reece and Louis W. Haas, Chicago, Ill., assignors to The W. E. Long Co., a corporation of Illinois
Application December 12, 1931, Serial No. 580,561
5 Claims. (Cl. 34—12)



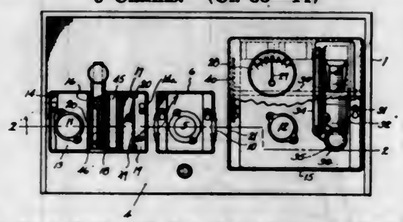
3. An apparatus for cooling bakery products comprising a cooling chamber, a conveyer for conducting said products through said chamber in one direction, means having an intake in communication with the outside air for conditioning air as to temperature and humidity, means for circulating outside air through said air conditioning means and through said chamber from one end thereof in a direction counter to the movement of said products, a discharge passage for said air at the opposite end of said chamber, and a shunt passage for returning a portion of said circulated air to said intake for reconditioning and recirculating the same and thermostatically controlled means for controlling the amount of air recirculated.

2,073,222
PAPER BAG
Foster Gotch Robinson, Bristol, England
Application August 24, 1935, Serial No. 37,757
In Great Britain September 11, 1934
25 Claims. (Cl. 229—55)



14. A flat blockbottom bag having triangular extensions formed by inwardly and outwardly folded end flaps and slit flap forming a valve which is partly folded inwards at its side with the folds of the side flaps.

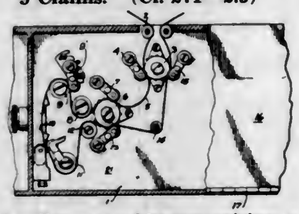
2,073,223
MEANS FOR DETERMINING COLOR DENSITY OF LIQUIDS
Hilton W. Rose, Seattle, Wash.
Application August 28, 1934, Serial No. 741,804
5 Claims. (Cl. 88—14)



4. In a device of the character described, the combination of: a source of light, a photovoltaic cell, a housing, a light restricting port in the

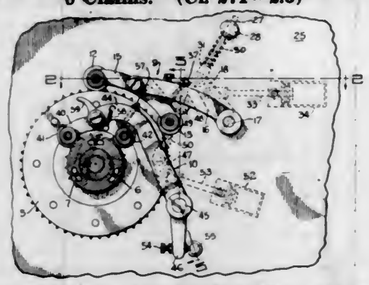
housing between said light source and photovoltaic cell, means for directing light from the source through the port onto said cell, a shaft rotatably mounted in the housing, a shutter element mounted on the shaft, said shutter element being operatively positioned with respect to said port to progressively mask the same; a calibrated drum mounted on said shaft, a window in said housing cooperating with said drum, and means for adjustably positioning said drum, shaft and shutter.

2,073,224
PAD ROLLER AND MOUNTING THEREFOR
Ernest Ross, Elmhurst, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application June 7, 1935, Serial No. 25,423
5 Claims. (Cl. 271—2.3)



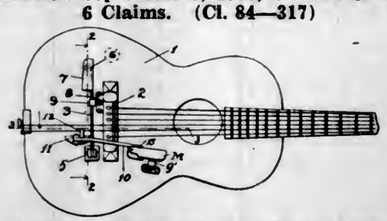
1. A pad roller assembly comprising a yoke, a pivotal support therefor, a pad roller carried by said yoke, adjustable tensioning means concentric of said support and urging said pad roller towards a film support, stops at different distances from the film support, manually operative means carried by said yoke and selectively engageable with said stops, and tensioning means releasably engaging said detent with one of said stops to hold said pad roller open.

2,073,225
PAD ROLLER ASSEMBLY
Ernest Ross, Elmhurst, and Axel S. Eliason, Whitestone, N. Y., assignors to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application June 18, 1935, Serial No. 27,157
6 Claims. (Cl. 271—2.3)



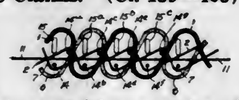
1. A pad roller assembly for a film sprocket for accommodating films of different sizes comprising a first pad roller assembly including an arm pivoted adjacent one end thereof, a second arm pivoted at the other end of said first arm, pad rollers mounted on the ends of said second arm, spring tensioning means for maintaining said pad rollers against one of said films at a substantially constant pressure and damping means connected to said spring tensioning means, and a second pad roller assembly, including an arm pivoted adjacent one end thereof, a second arm, pad rollers mounted at the ends of said second arm, spring tensioning means for maintaining said pad rollers at a substantially constant pressure against another of said films, and individual dampening means connected to said spring tensioning means for dampening the oscillations of said spring tensioning means.

2,073,226
GUITAR ATTACHMENT
Carl Temple Schrickel, St. Louis, Mo.
Application September 5, 1935, Serial No. 39,240
6 Claims. (Cl. 84—317)



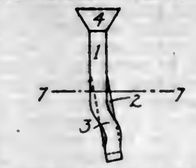
1. A guitar attachment comprising a lever pivoted at one end to the upper face of a guitar and having a contact plate at the opposite end and having a string-engaging edge consisting of a horizontal lateral extension over the adjacent string, forming a string-engaging edge to depress the string, and an adjustable catch for said lever to hold the lever down and regulate the amount of tension and consequent pitch of the engaged string.

2,073,227
CARPET WEAVING
Paul Shearer, Carlisle, Pa., assignor to C. H. Masland & Sons, Inc., Carlisle, Pa., a corporation of Pennsylvania
Application February 6, 1934, Serial No. 709,909
5 Claims. (Cl. 139—403)



1. A carpet comprising a series of pairs each of pile yarns, binder yarns and filling yarns, and stuffer yarns, each pair of pile and binder yarns passing successively between the spaced pairs of filling yarns, one series of pile and binder yarns passing successively over and under the filling yarn pairs, and another series passing successively under and over the filling yarn pairs, respectively, the pile yarns forming tufts on one face of the carpet, and the stuffer yarns passing between the filling yarns of each pair.

2,073,228
FINGER RING
Thomas P. Shields, North Arlington, N. J.
Application May 1, 1936, Serial No. 77,299
10 Claims. (Cl. 63—15)



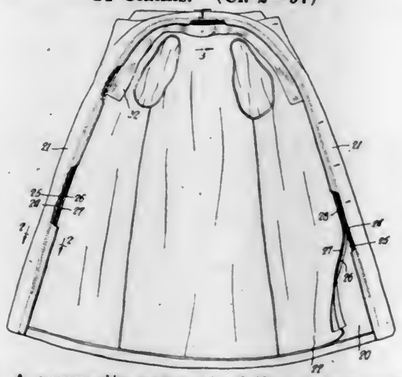
1. A finger ring comprising a single continuous band having an upper circular portion lying in a plane substantially at right angles to the axis of the ring, a lower curved portion directly at-

tached to and gradually divergent from the upper portion on one side of the ring and joined therewith on the other side by a band segment adapted to overlie the webbing on that side of the finger.

2,073,229
PRINTING INK COMPOSITION
Ralph C. Shuey, Mountain Lakes, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 11, 1935, Serial No. 21,069. In Great Britain October 15, 1932
13 Claims. (Cl. 134—26)

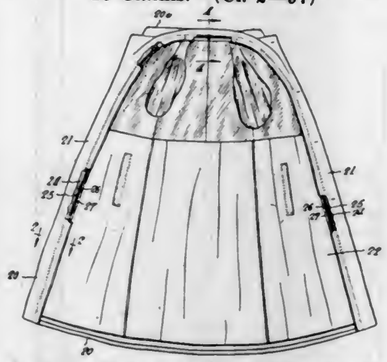
1. In a printing ink prepared by incorporating from about 20 to 80 per cent of pigment in a vehicle of the drying oil type and dependent for solidification in part at least upon the drying of the oil content of the vehicle, the improvement comprising a vehicle containing a drying oil, an oil-soluble reaction product of a phenol with an agent having a reactive methylene group, said product constituting from approximately one to fifty per cent or about by weight of the vehicle and having an accelerating effect on the solidification of the drying oil, and a solvent compatible with the other constituents of said vehicle and characterized by slow volatility at ordinary room temperatures in proportion to produce an ink having a consistency suitable for transfer by a printing surface with but little tendency to change before application and drying with rapidity after its application through the solidification-accelerating action of the resin on the drying oil.

2,073,230
COMPOSITE GARMENT
Joseph Siegel, New York, N. Y.
Application April 10, 1936, Serial No. 73,608
14 Claims. (Cl. 2—97)



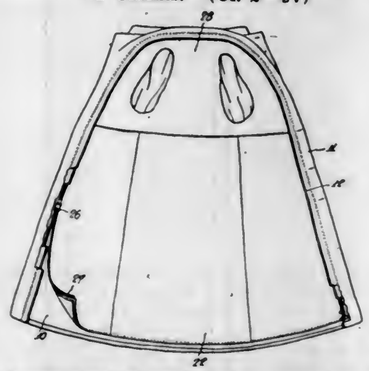
1. A composite garment of the class described including an overcoat having a facing on the inside thereof following the edges of the coat, said facing cooperating with the body of the coat to provide an inwardly opening channel, a strip of flexible material concealed within the channel and having a plurality of teeth adapted to define part of a metallic seam, a second coat-like garment adapted to serve as a removble interlining for the coat, said garment having a tooth carrying strip sewed thereto inwardly of the edges of the garment, that portion of the second garment between the last mentioned strip and the garment edge constituting a flap of width greater than the depth of the channel to be folded inwardly between the body of the coat proper and the body of the interlining garment when the two sets of teeth are interlocked.

2,073,231
COMPOSITE GARMENT
Joseph Siegel, New York, N. Y.
Application June 6, 1936, Serial No. 83,823
10 Claims. (Cl. 2—97)



1. A composite garment of the class described including an overcoat having at the inside thereof, following the edges of the coat a continuous inwardly opening channel, strips of flexible material concealed within the channel and extending approximately from the lower corner of the coat to a point in the region of the lapel portions of the coat, a second coat like garment adapted to be worn separately or to serve as a removable interlining for the coat, said interlining garment having tooth carrying strips sewed thereto inwardly of the edges of the garment for coaction with the tooth carrying strips of the coat, those portions of the interlining garment between the last mentioned strips and the edges of the garment constituting flaps of width greater than the depth of the channel to be folded inwardly between the body of the interlining garment and the body of the coat proper when the sets of teeth are interlocked.

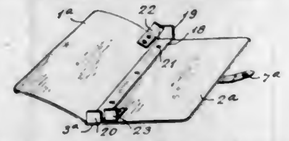
2,073,232
COAT
Joseph Siegel, New York, N. Y.
Application July 17, 1936, Serial No. 91,028
11 Claims. (Cl. 2—97)



1. An overcoat of the type to removably receive an interlining and be detachably connected thereto by a metallic seam, said coat including an inwardly turned facing the free inner edge of which constitutes a flap which cooperates with the coat body to provide an inwardly facing channel, a tooth carrying strip arranged within

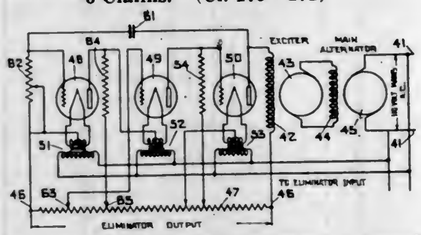
the channel and a protective concealing strip lying between the channel flap and the toothed strip and terminating short of the edge of the flap but completely covering the toothed strip.

2,073,233
HOLDER FOR LOOSE CARDS
Martin Steinthal, New York, N. Y.
Application March 27, 1934, Serial No. 717,558
1 Claim. (Cl. 150—52)



A holder for receiving a loose set of cards, comprising a pair of folding side-sections, a back to which said side-sections are attached so that they may be folded with respect to each other and between which a set of unattached cards may be placed, end stops fixed on said back with an unobstructed space between them and engaged by the ends of the cards when inserted between them, and the folding side-sections each being provided with an end-stop engageable by the ends of the inserted cards and movable with said folding sections in opening and closing the same.

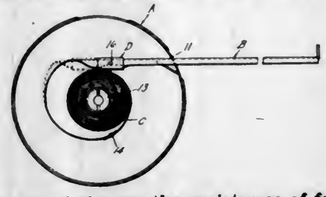
2,073,234
ELECTRIC AMPLIFIER
Lal C. Verman, Bangalore, India, and Lorenzo A. Richards, Ithaca, N. Y., assignors, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Original application June 5, 1931, Serial No. 542,294. Divided and this application March 17, 1933, Serial No. 661,332. In Great Britain June 6, 1932
6 Claims. (Cl. 179—171)



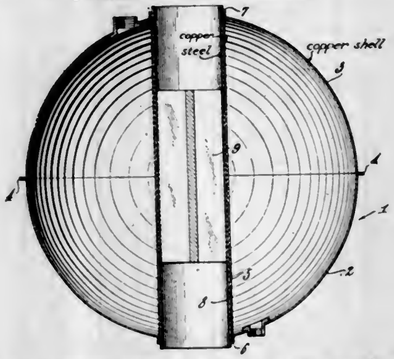
1. A cascade amplifier comprising a plurality of discharge devices each comprising a cathode, anode and grid electrode; a potentiometer having its terminals connected to the opposite poles of a current source; a direct conductive coupling connection from the anode of a controlling device to the cathode of a succeeding controlled device; potential supply connections between the anodes and cathodes of said devices and said potentiometer at such points thereof that successive devices are in parallel to successive separate sections of said potentiometer, and further connections from the grids of said devices to points on said potentiometer to secure proper biasing potential difference between the cathode and grid of the controlled stage.

2,073,235
COILABLE MEASURING RULE
Frederick A. Volz, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application October 22, 1935, Serial No. 46,139
3 Claims. (Cl. 33—137)

1. In a coilable measuring device of the character described, a casing having an entrance slot, a measuring tape adapted to be moved through said slot and to be wound within the casing in an externally wound coil and being in the form of a strip of metal having a concavo-convex cross section and an inherent tendency to assume a rectilinear state, resilient means within the casing and secured to the inner end of said tape for aiding the measuring tape into a coil and having a tension which only substantially counterbalances the resistance of friction of the parts and the tendency of the measuring tape to resist bending, and a rigid member secured to said tape adjacent the inner end thereof and supporting a portion of the tape against bending throughout a substantial area whereby said member, when at the inner end of the extended portion of the tape and at the point of tangency with the coiled portion, will prevent the tape from creeping into the casing.



2,073,236
COMPOSITE FLUE
Julius E. Wild, Longmeadow, and Herbert J. Long, Springfield, Mass., assignors to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Application June 3, 1936, Serial No. 83,226
3 Claims. (Cl. 257—241)

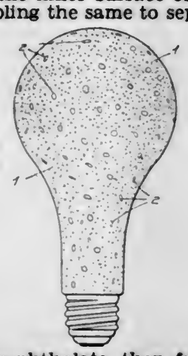


1. In a water heater, a tank having end walls of light sheet metal, a tube of the same material and having the same thickness as said walls extending therethrough and united therewith, and a tube of heavy material extending through said first mentioned tube and having a tight fit therewith for reenforcing said first mentioned tube and giving strength and rigidity to said tank.

2,073,237
INSIDE-FROSTED INCANDESCENT ELECTRIC LAMP BULB
Rinjiro Yajima, Shinagawa-ku, Tokyo, Japan, assignor to Todendenkyu Kabushiki Kaisha, Tokyo, Japan
Application October 22, 1934, Serial No. 749,431
In Japan October 31, 1933
2 Claims. (Cl. 41—43)

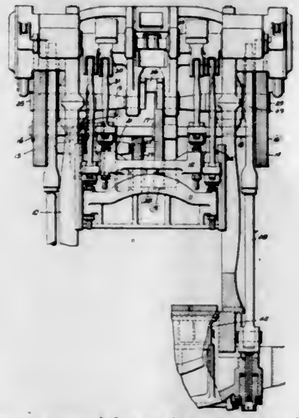
1. The herein described process of frosting the inside surface of an incandescent lamp bulb to

produce a crystalline form, which process consists in applying a supersaturated solution of sodium phthalate to the inner surface of the glass bulb, thereafter cooling the same to separate the crys-



tals of sodium phthalate, then frosting the surface between the crystals and finally washing away the crystals to leave the surfaces in the clear where the crystals had been located before being washed away.

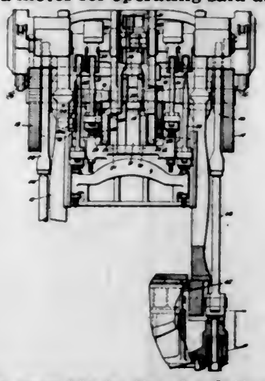
2,073,238
PRESS
Arthur A. Byerlein, Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio, a corporation of Delaware
Application April 14, 1934, Serial No. 720,515
6 Claims. (Cl. 113—38)



1. A press comprising a frame, a blank holding slide and a drawing slide reciprocably mounted therein, a rotatable shaft, an operating connection between said shaft and blank holding slide and an operating connection between said shaft and said drawing slide producing one complete cycle of slide movements for each revolution of said shaft, means for driving said shaft at high speed and at low speed, and means operable in timed relation to said shaft for decreasing its speed of operation substantially for the extent of the work forming part of a cycle of press operations.

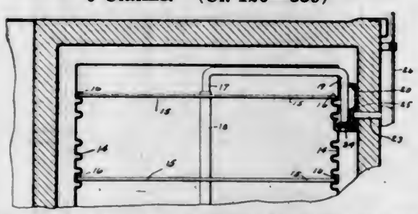
2,073,239
PRESS
Arthur A. Byerlein, Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio, a corporation of Delaware
Application April 30, 1934, Serial No. 723,133
5 Claims. (Cl. 113—38)

1. A press comprising a frame, a metal drawing slide reciprocably mounted therein, an operating shaft for said slide, mechanism positively connecting said slide and shaft for timed operation throughout a complete revolution of said shaft, drive means for operating said shaft at high speed, drive means for operating said shaft at low speed, a motor for operating said drive means,



and means operable in timed relation with said shaft for engaging said motor with said drive means to obtain low speed movement of said shaft and said slide during the metal drawing part of a cycle of press operations and high speed movement of said shaft and said slide after the metal drawing part of a cycle.

2,073,240
STOVE
Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application March 30, 1935, Serial No. 13,832
9 Claims. (Cl. 126—339)

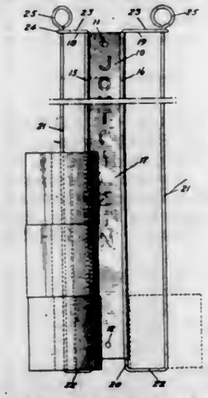


2. In a cooking stove, a cooking compartment, a rack, stationary rack supporting means for slidably supporting the rack in said compartment at different selected heights, and means for moving said rack comprising a vertical bar extending throughout the height range of the rack supporting means and having a laterally disposed extension pivotally supported on a wall of the compartment, said bar engaging between portions of the inner end of the rack at any of said selected heights and moving the rack inwardly and outwardly on said supporting means as the bar is operated, and means operable from the exterior of the compartment for moving said bar extension and bar.

2,073,241
TOILET PAPER ROLL CARRIER
James B. Kissam, Maplewood, N. J.
Application December 6, 1935, Serial No. 53,126
3 Claims. (Cl. 211—59)

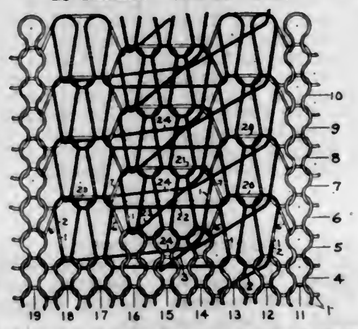
1. A toilet paper roll carrier comprising an upstanding long supporting plate having its opposite long edges bent back upon themselves to

form a bead at opposite sides of the plate and acting to reinforce the plate, a pair of wire brackets, each bracket composed of a single length of wire bent into a frame of rectangular outline with one side rotatably mounted in one of the beads to form a pivotal connection therewith, the other long side having its opposite ends braced from the adjacent ends of the associated bead and said long side adapted to have threaded thereon a plurality of toilet paper rolls and spaced from the supporting plate a distance at



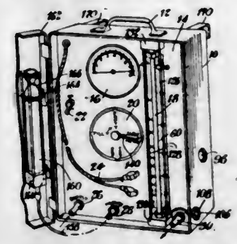
least equal to the radial thickness of the rolls, said wires terminating at the upper outer corners of the frame, the outer side having its upper end bent back upon itself to form an eye tending to give rigidity to the outer side and said eye having a width sufficiently small to permit the toilet paper rolls to be passed over the eye as they are threaded on to the side which is provided with the eye, and the upper side terminating in a hook for receiving the upper portion of the outer side and forming a readily detachable connection between the ends of the frame.

2,073,242
WRAP STRIPE FABRIC AND METHOD OF KNITTING THE SAME
Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application August 19, 1931, Serial No. 558,062
15 Claims. (Cl. 66—201)



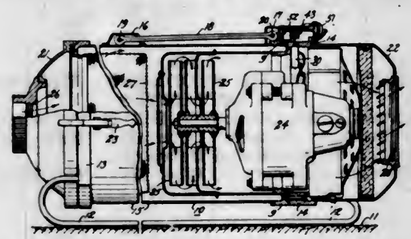
3. A knitted fabric having knitted therein a plurality of wrap threads, some at least of said wrap threads being knitted as tuck stitches in adjacent wales and in successive courses, the wrap loop wales being characterized by floats which extend across the said wrap loops.

2,073,243
FUEL SYSTEM TESTING INSTRUMENT
George J. Liddell, Elmhurst, and Roscoe C. Porter, Long Island City, N. Y., assignors to Doherty Research Company, New York, N. Y., a corporation of Delaware
Application July 3, 1935, Serial No. 29,742
6 Claims. (Cl. 73—51)



1. A flow meter for a fuel system of an automotive engine comprising a pump connected with a source of fuel supply, a diaphragm pressure regulator connected with the pump arranged to maintain a predetermined pressure of several pounds on the fuel passing therethrough, an orifice block having a series of connected orifices therethrough connected with the adjusted pressure side of the regulator, a differential pressure measuring mechanism, connections at opposite sides of one of the intermediate orifices secured to the mechanism, and a scale on said mechanism for indicating directly the liquid flow rate through said orifices.

2,073,244
VACUUM CLEANER SWITCH
Gustaf Einar Lofgren, Rye, N. Y., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application November 22, 1933, Serial No. 699,097
14 Claims. (Cl. 200—52)

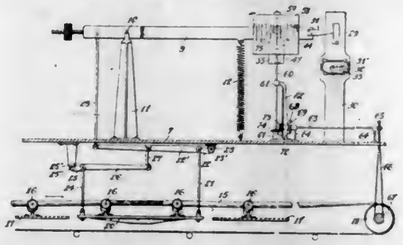


1. An electric switch actuating mechanism for a vacuum cleaner comprising means providing a channel open at the top, a roller in said channel bearing on the bottom thereof and projecting above said channel to be rolled by foot, a switch arm, and means for moving said switch arm upon movement of said roller.

2,073,245
DIELECTRIC MEDIUM
Albert E. Maibauer, Bloomfield, N. J., assignor to Halowax Corporation, New York, N. Y., a corporation of Delaware
Application September 8, 1933, Serial No. 688,579
4 Claims. (Cl. 252—1)

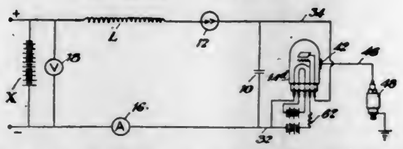
1. A liquid insulator and dielectric for use in electrical devices comprising phenyl-di-ortho-diphenyl phosphate.

2,073,246
INTEGRATING MEANS
Herbert Lansing Merrick, Passaic, N. J.
Application March 12, 1932, Serial No. 598,400
9 Claims. (Cl. 235—61)



1. In an integrating device, a register, electromagnetically operated means connected in a normally open electric circuit adapted to be energized and actuate the register upon the closing of said circuit, a source of light, a light sensitive cell connected in and operable by the exposure to said light to close the circuit of the actuating means for the register, mechanism for simultaneously moving the light sensitive cell and source of light in correspondence with fluctuations in the value of one of the quantities to be integrated, and a light interrupter to travel between the light sensitive cell and source of light at a constant speed representative of the value of the other quantity to be integrated comprising a screen having a series of slots extending from the same plane and varying in length in increments of equal length from minimum to maximum length and arranged so that adjacent slots vary in length more than one increment in length to permit intermittent passage of light rays from the source of light to the light sensitive cell through the slots at intervals corresponding with fluctuations in the value of the first quantity to be integrated to activate the cell and effect intermittent closing of the circuit of the actuating means for and actuation of the register.

2,073,247
ELECTRIC FLASH PRODUCING METHOD AND APPARATUS
Benjamin Miller, Richmond Hill, N. Y., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Application February 5, 1934, Serial No. 709,901
16 Claims. (Cl. 177—311)

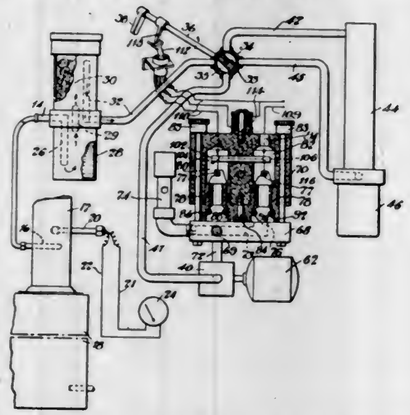


14. In apparatus for producing substantially uniform electric energy flashes, a condenser, means for charging the condenser comprising a source of current and a conductor having resistance and inductance of such magnitude relative to the capacity of the condenser that the charging circuit is an oscillating circuit, such means being adapted to develop a maximum condenser voltage not substantially higher than the condenser voltage which exists at the instant immediately preceding the discharge of the condenser, and means for discharging the condenser at selected intervals.

2,073,248
PHENOL RECOVERY
Vittorio Molinari, Bound Brook, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 30, 1936, Serial No. 88,116
9 Claims. (Cl. 260—154)

1. Method of recovering a phenol from an aqueous liquor containing it which comprises subjecting the liquor to extraction with a tar acid of higher boiling point than the phenol in the liquor, separating the tar acid from the aqueous solution, and distilling the phenol from the tar acid.

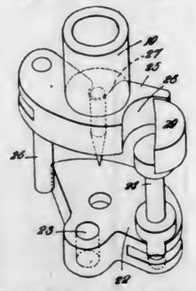
2,073,249
REGULATION OF COMBUSTION
John D. Morgan, South Orange, N. J., and Alan P. Sullivan, Long Island City, N. Y., assignors to Doherty Research Company, New York, N. Y., a corporation of Delaware
Application September 11, 1933, Serial No. 688,972
9 Claims. (Cl. 23—232)



1. In checking the efficiency of a combustion and heating operation, the steps comprising, continuously removing a sample stream of flue gas produced in the operation, measuring the temperature of the flue gas at the point at which the sample is removed, periodically vaporizing a liquid fuel comprising equal parts by volume of methanol and ethyl acetate at a temperature of about 106° F., and adding the vaporized fuel to the sample of the flue gas stream, determining by quantitative combustion analysis of the flue-gas-fuel-vapor mixture the amount of excess air originally present in the flue gas sample, and periodically discontinuing the fuel vaporizing operation and determining by quantitative combustion analysis of the flue gas sample the amount of unburned combustible originally carried thereby.

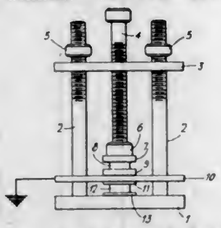
2,073,250
PERCUSSION FUSE
William Morpeth and John Chapman Whaley Heseltine, Westminster, England, assignors to Vickers-Armstrongs Limited, Westminster, England, a British company
Application June 18, 1935, Serial No. 27,246
In Great Britain June 19, 1934
6 Claims. (Cl. 102—39)

1. A percussion fuse including a striker and at least two centrifugally operated shutters one of which is adapted normally to maintain the striker in an unarmed position and the other of which normally masks another element, a pin coupled to one of said shutters, a semi-circular shaped boss at one end of said pin, the other shutter being formed to provide a semi-circular shaped recess with which said semi-circular



shaped boss normally engages to prevent movement of said other shutter, the said pin and boss being adapted to be rotated out of the path of said other shutter when the shutter carrying the said pin moves to a predetermined position after which said other shutter is capable of movement.

2,073,251
VOLTMETER ARRANGEMENT
Leonard Morris Myers, Middlesbrough, England, assignor to Radio Corporation of America, a corporation of Delaware
Application August 28, 1935, Serial No. 38,234
4 Claims. (Cl. 171—327)



4. A voltmeter arrangement having primary and secondary piezo-electric crystals comprising a screw press having clamped thereto in the following order, a slab of insulating material, a slab of piezo-electric quartz cut with its opposite faces normal to the electrical axis, a second slab of insulating material, an earthed metal shielding plate, a third slab of insulating material, a further slab of piezo-electric quartz cut with its opposite flat faces normal to the electrical axis, a fourth slab of insulating material, means for applying voltages from the source to be measured to the opposite face of the primary crystal, and known means being provided for measuring or indicating voltages set up across the opposite face of the secondary crystal.

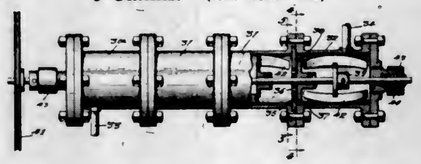
2,073,252
TEMPERATURE DISPLAY DEVICE
Charles R. Palmer, Cincinnati, Ohio, assignor to The Palmer Company, St. Bernard, Ohio, a corporation of Ohio
Application December 3, 1934, Serial No. 755,691
7 Claims. (Cl. 240—2)

1. A large temperature display device, comprising, a scale element, a luminescent light tube disposed along the graduations of said scale, a curtain having a lower end movable longitudinally of and between said scale and said tube, means for movably supporting said curtain, a motor for operating said means for raising and lowering said curtain, and a thermostat adapted



to control the operation of said motor for adjusting the curtain lower edge relative to said scale for displaying the temperature of the environment of the thermostat.

2,073,253
PROCESS OF INTIMATELY MIXING SULPHURIC ACID AND LUBRICATING OIL STOCK
George M. Pfau, Dayton C. Bolin, and Ernest W. Zublin, Fort Worth, Tex., assignors to Texas Pacific Coal & Oil Co., Fort Worth, Tex., a corporation of Texas
Application August 9, 1932, Serial No. 628,064
9 Claims. (Cl. 196—40)

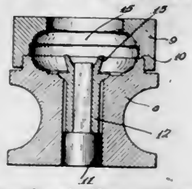


1. The process of purifying heavy lubricating oils with concentrated sulphuric acid which comprises, siphoning a stream of acid from a body of the liquid maintained at a constant level, and discharging a uniform flow stream from the siphon at a fixed level through a non-corroding orifice of fixed size, combining said stream with a uniformly flowing stream of oil, agitating the mixture in a closed compartment from which air is excluded, localizing the mixture and subjecting the same to a shearing action wherein the same is smeared between closely positioned relatively moving surfaces to expose large areas of contact for further intimate mixing of the oil and acid, and centrifugally separating the oil from the sludge formed.

2,073,254
METHOD AND MOLD FOR CASTING GLASS
Allen Bryce Redman, Millville, N. J., assignor to T. C. Wheaton Co., Millville, N. J., a corporation of New Jersey
Application April 19, 1935, Serial No. 17,179
8 Claims. (Cl. 49—66)

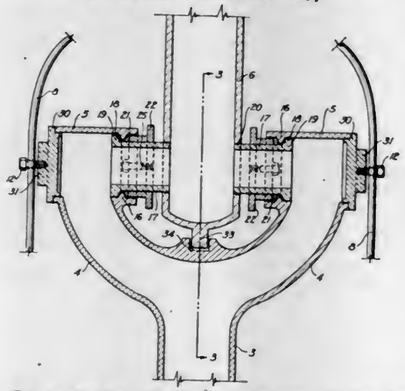
1. The method of manufacturing a glass knob, which consists in pouring the glass in an open mold having an interior contour substantially

that of the intended knob under the pressure only of gravity acting on the weight of the molten



glass and throughout the molding free from molding pressure except that incident to the said gravity.

2,073,255
SWING JOINT
William F. Schaetzly, Louisville, Ky., assignor to Oil Equipment Manufacturing Company, Incorporated, Louisville, Ky., a corporation of Kentucky
Application March 9, 1936, Serial No. 67,800
8 Claims. (Cl. 285—18)

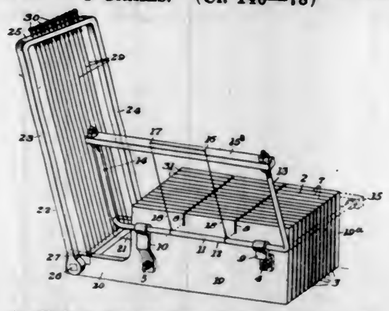


1. In a device of the character described, a bifurcated inlet pipe adapted to rotate in a horizontal plane, an outlet pipe communicating with said bifurcated pipe and adapted to rotate in a vertical plane, a plurality of connecting pipes serving to pivot the outlet pipe in the bifurcated pipe and to establish a plurality of flow passages between the respective pipes, a centering slot positioned adjacent the center of the yoke of said bifurcated pipe, and a projection on the outlet pipe engaging within said slot whereby the outlet pipe may be turned freely in its vertical plane and at the same time the respective pipes may be maintained in proper transverse alignment in all positions of the same.

2,073,256
SOLUTIONS OF ORGANIC CHLORINE COMPOUNDS
Franz C. Schmelkes, Montclair, and Henry C. Marks, Belleville, N. Y., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
No Drawing. Application April 22, 1935, Serial No. 17,575
5 Claims. (Cl. 167—17)

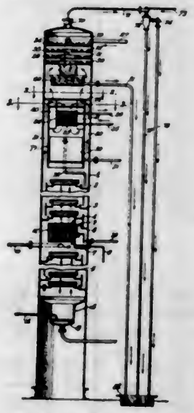
1. A solution of an organic N-chloro compound containing available chlorine in an ester formed by completely esterifying an alcohol of the group consisting of glycerol, glycol, ethyl alcohol, propyl alcohol and butyl alcohol with an acid of the group consisting of acetic and propionic acids.

2,073,257
FOOD SLICING DEVICE
Raymond D. Van Riper, Pittsburgh, Pa.
Application April 30, 1935, Serial No. 19,058
3 Claims. (Cl. 146—78)



1. A slicing device for slicing a cake of mush into a plurality of transverse and longitudinal rows of relatively long and thin slices, comprising an open top cutting bed having a plurality of closely spaced and deep longitudinal slots, there also being a plurality of shallow widely spaced transverse slots in the bed, a transverse cutting frame pivoted at the side of the bed slightly below the top of the bed, a cutting wire for each transverse slot in the bed connected to the transverse cutting frame, and a longitudinal cutting frame pivoted at the front end of the bed below the axis of the transverse frame and having a cutting wire for each longitudinal slot in the bed connected thereto, the vertical distance between the pivotal axes of the two frames being considerably greater than the vertical distance from the top of the bed to the pivotal axis of the transverse frame, whereby the wires of the longitudinal frame are at a considerable angle to the face of the bed as the wires leave the mush at the rear end of the cake.

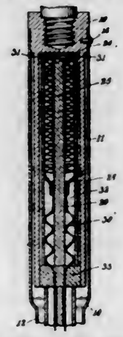
2,073,258
FRACTIONATING AND CONDENSING UNIT
John S. Wallis, New York, N. Y., assignor to Alco Products, Inc., New York, N. Y., a corporation of Delaware
Application October 22, 1932, Serial No. 639,077
8 Claims. (Cl. 196—139)



2. A fractionating and condensing unit comprising in combination a casing, a plurality of fractionating decks extending across said casing

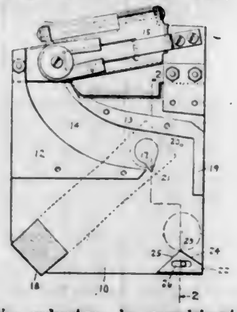
in spaced relation to each other, said decks being provided with openings for the passage of vapors therethrough, a housing mounted within said casing above said decks, the upper portion of said housing being provided with an opening for the passage of vapors thereinto, condenser tubes positioned in the upper portion of said housing adapted to condense a portion of the vapors, the lower portion of said housing being free of tubes and adapted to collect the condensate, means for withdrawing the uncondensed vapors and incondensable gases from said housing and means for withdrawing the condensate.

2,073,259
ELECTRIC SOLDERING IRON
Leonard P. Young, New York, N. Y.
Application June 20, 1934, Serial No. 731,443
8 Claims. (Cl. 219—26)



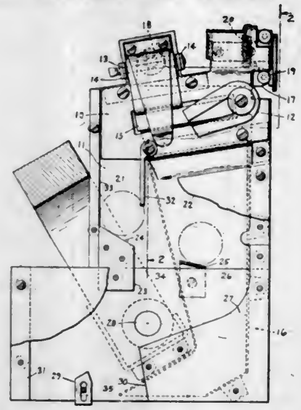
4. An electric heating device comprising an outer housing having enlarged and reduced portions, a one-piece heating element casing within the enlarged housing portion and provided with a closed, enlarged end, forming an integral part of the casing, said enlarged end extending beyond said housing portion, the other end of said casing being open, a pair of undulated terminals in frictional engagement with the interior of, and extending from said casing, hermetic sealing means provided at the open end of the casing and immovably holding said undulated terminals by way of their undulations.

2,073,260
COIN SELECTOR
John Gottfried, Bridgeport, Conn.
Application July 20, 1934, Serial No. 736,179
4 Claims. (Cl. 194—101)



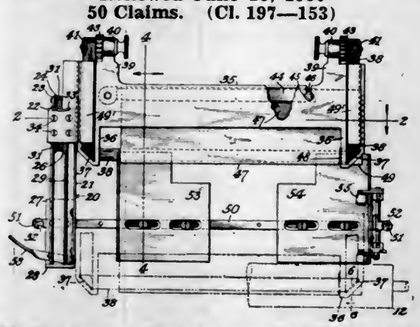
1. In a coin selector, in combination, a coin passage, a coin separating magnet adjacent said passage, the pole faces of said magnet extending toward the sides of said coin passage and being provided with lateral projections of small area extending substantially parallel to the walls of said coin passage, whereby magnetic flux in said coin passage is concentrated between said projections.

2,073,261
COIN SELECTOR
John Gottfried, Bridgeport, Conn.
Application September 29, 1934, Serial No. 746,091
5 Claims. (Cl. 194—97)



1. In a coin selector, in combination, means defining a coin passage, an anvil in said coin passage, and a member projecting laterally into said coin passage for engagement and deflection by coins approaching said anvil and so positioned with respect to said passage and said anvil that a properly sized coin remains engaged by said member during impact with said anvil but an undersized coin passes clear of said member prior to impact with said anvil, said member thereupon engaging the edge of said undersized coin and by such engagement effecting its rejection.

2,073,262
TYPEWRITING MACHINE
Walter J. Hausman, Upper Darby, Pa., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 26, 1926, Serial No. 118,740
Renewed June 16, 1930
50 Claims. (Cl. 197—153)



50. In a typewriting machine including a moving carriage and a primary ribbon, an auxiliary carrier comprising a movable holder mounted upon a carriage element, said carrier having a ribbon mounted to extend contiguous to the

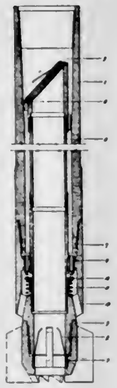
platen and along the writing line of the machine, said holder having stop means to limit the movement of said holder relative to the carriage in an up and down direction whereby wear of the ribbon is correspondingly distributed.

2,073,263

METHOD AND APPARATUS FOR TAKING CORES FROM A BOREHOLE

Henri M. Hohmann and Hendrik N. L. C. E. C. de Wilde, The Hague, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application March 29, 1935, Serial No. 13,728
In the Netherlands January 23, 1935
6 Claims. (Cl. 255—72)



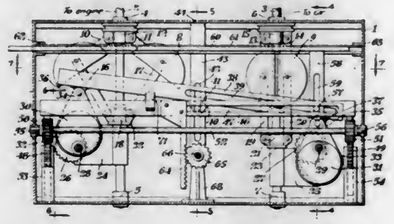
1. A core drill comprising a core barrel of such shape and being provided at its upper end with upwardly opening valve means of such construction as to allow a core to pass out of the core barrel in upward direction, and valve means allowing a passage of fluid only from the interior of the drill outwardly to the space around the drill.

2,073,264

AUTOMATIC SPEED CHANGE DEVICE

William L. McDonald, New York, N. Y.

Application January 9, 1935, Serial No. 1,075
31 Claims. (Cl. 74—336.5)



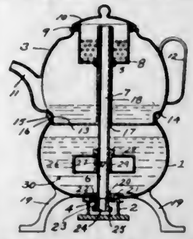
1. In a device of the class described, the combination of a first shaft, a second shaft, a clutch, clutch release mechanism and speed change mechanisms between said shafts, means for automatically actuating said mechanisms in accordance with the speed of rotation of the first shaft and with the speed of rotation of the second shaft and means to regulate the automatically actuating means so as to vary the rate of operation of the speed change mechanisms.

2,073,265

COFFEE MAKING APPARATUS

Roy W. Oman, Los Angeles, Calif.

Application January 9, 1933, Serial No. 650,777
Renewed August 3, 1936
2 Claims. (Cl. 53—3)



1. In an apparatus as disclosed, a water-supply receptacle, a coffee receptacle, a coffee filter chamber, a water-boiling chamber, a plug closing the upper end of said water-boiling chamber provided with inlets for admitting water from said water-supply receptacle into said water-boiling chamber, said plug being formed with a depending stud and a bore extending through said stud, a collar valve slidably fitted on said stud below said inlets for controlling the supply of water from said water-supply receptacle through said inlets, a nut on the lower end of said stud for retaining said valve on said stud, and a filter tube connected at its lower end to said plug in said bore and extending upwardly into said coffee filter chamber.

2,073,266

CONCENTRATION AND BROADCASTING SYSTEM

Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application November 30, 1934, Serial No. 755,254
19 Claims. (Cl. 178—2)



1. In a telegraph system, a plurality of telegraph lines, signal responsive apparatus individual to said lines and responsive to signals originated upon said lines individually, telegraph apparatus common to said lines, means controlled from any line to seize said telegraph apparatus, and means for disabling said signal responsive apparatus individual to all lines other than the seizing line.

2,073,267

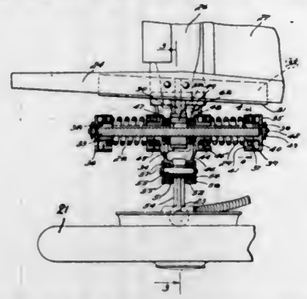
VEHICLE SPRING SUSPENSION DEVICE

Theodore C. Prouty, deceased, late of Hermosa Beach, Calif., by Willis O. Prouty, administrator, Hermosa Beach, Calif., assignor, by mesne assignments to Metlox Corporation, Ltd., Manhattan Beach, Calif., a corporation of California

Application October 26, 1931, Serial No. 571,157
Renewed June 23, 1936
5 Claims. (Cl. 267—20)

1. In a vehicle spring suspension device between the chassis of a vehicle and a wheel structure thereof, an attachment plate for attaching the suspension device to the chassis, pivoted means

extending laterally of the longitudinal axis of the vehicle for connecting the chassis to the structure,



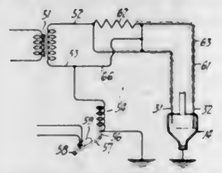
and a spring coiled around the axis of said pivoted means, one end being anchored to the attachment plate, and the other to the pivoted means.

2,073,268

LOW WATER CUT-OUT

William A. Ray and William R. Ray, San Francisco, Calif., assignors to General Controls Company, a corporation of California.

Application May 20, 1936, Serial No. 80,725
6 Claims. (Cl. 122—504)



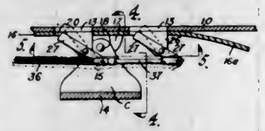
1. In combination, a water heater, a first electrode positioned at a first level in said heater, a second electrode positioned at a second level in said heater and above said first level, relay means, a source of current in series with said second electrode and said relay means, a resistance, and means connecting said resistance and said first electrode in series with said source of current.

2,073,269

ANTIJACKKNIFE FIFTH WHEEL

William J. Skibbe, Des Moines, Iowa

Application July 20, 1936, Serial No. 91,549
4 Claims. (Cl. 280—33.1)



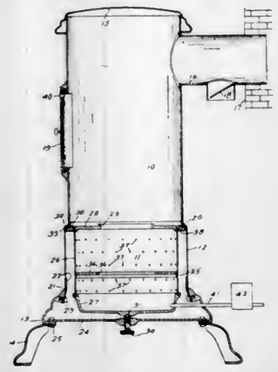
2. In a device of the kind described, a fifth wheel member, a second fifth wheel member, means for detachably connecting the two fifth wheel members together for relative movement on a vertical axis, said second fifth wheel member having holes extending through it, a pair of locking levers pivotally supported between their ends on the second fifth wheel member, an arm pivoted to the lower ends of the levers, means for actuating the arm for projecting the free ends of the levers through said holes into locking engagement with the first fifth wheel member, and means tending to yieldingly hold the levers in operative position.

2,073,270

COMBUSTION APPARATUS

Ben Valjean, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application July 23, 1934, Serial No. 736,509
8 Claims. (Cl. 158—92)



1. Combustion apparatus comprising a casing, an open topped burner bowl within said casing, fuel supply means leading to the bottom of said bowl, a centrally apertured plate mounted at the top of the bowl and restricting the outlet thereof, a centrally apertured partition extending across said bowl at a point substantially removed from both the top and bottom of the bowl to form upper and lower combustion chambers, a plurality of spaced air inlet openings in the side wall of the bowl above and below said partition, means to supply air to the space surrounding said bowl, and a flue outlet from said casing.

2,073,271

MANUFACTURE OF ARTIFICIAL SILK AND THE LIKE

Hartwell William Webb, Leonia, N. J.

Application November 3, 1932, Serial No. 640,955
11 Claims. (Cl. 18—8)



1. In a multiple hole spinneret, a plurality of tapered, rifled holes with bores of opposing hand adjoining, all the holes of either hand being substantially identical in size and form with the other holes of that hand.

2,073,272

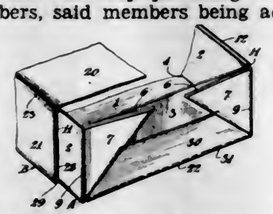
LOCKING CONTAINER

Charles P. Wellman, Medford, Mass.

Application January 5, 1933, Serial No. 650,229
6 Claims. (Cl. 229—45)

1. In a locking container comprising telescoping body and cover portions, each of said portions having rigidly connected side and end walls, corner folds in one portion, and a locking flap attached to the other portion, the edges of

said folds and said flap providing cooperating latch members, said members being adapted to



automatically snap into engagement when said body and cover portions are telescoped together.

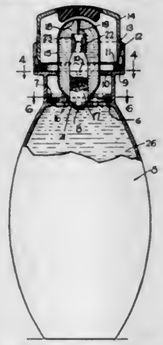
2,073,273

MEANS FOR PREPARING BEVERAGES

Jacob Wetstein, New York, N. Y.; Erna Korn and Florence W. Winters executrices of said Jacob Wetstein, deceased

Application March 31, 1932, Serial No. 602,378. In Great Britain and Canada November 25, 1931

4 Claims. (Cl. 225—18)



1. As an article of manufacture, a drink ingredient shell and a gas cartridge within the shell, said cartridge constituting a closure for the shell and said shell and cartridge being relatively movable to provide an opening in the shell.

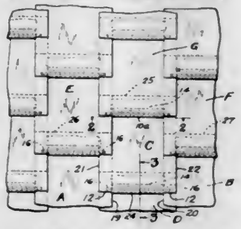
2,073,274

SHINGLE

Frederick C. Young, Westport, Conn.

Application May 9, 1936, Serial No. 78,741

5 Claims. (Cl. 108—7)



1. An individual shingle comprising a rectangular body of flexible felt impregnated with asphaltic material and having a continuous butt end, said body having at its lower or butt edge an integral underfolded extension of less width than the width of the shingle and of considerably less length than the butt of the shingle so that the remainder of the shingle is flexible and may seek its own level over an uneven roof surface under action of the sun, said extension being folded under the body while the body is warm and pliable and sealed to the underside of the body by asphaltic material so that the folded edge of the shingle is sealed against bleeding, the top surface of the shingle and undersurface of the folded under extension being covered with granular mineral material and the remainder of the undersurface of the body being free of said granular material.

2,073,275

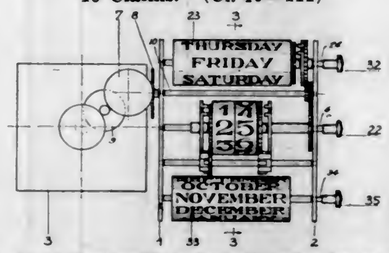
CLOCK WITH AUTOMATIC CALENDAR

Boris Elberg, Paris, France

Application December 15, 1932, Serial No. 647,384

In France November 28, 1932

19 Claims. (Cl. 40—111)



1. In a clock with automatic calendar a member for the indication of the units of the date rigidly secured on a shaft and actuated by a disk with a hollow tooth driven by the clock mechanism to make one revolution in 24 hours, a pinion having eight teeth meshing with the said disk, a wheel provided with 20 teeth meshing with the said pinion and adapted to be driven with a constant speed to effect the change of the date; a spring clutch connecting the said toothed wheel with the said member for indication of the units of the date, a member for the indication of the tens of the date loosely mounted on said shaft and actuated by means of another disk with a hollow tooth rigidly secured on said shaft, and another pinion having eight teeth meshing with said disk named in second place and drivingly connected to the member for the indication of the tens of the date.

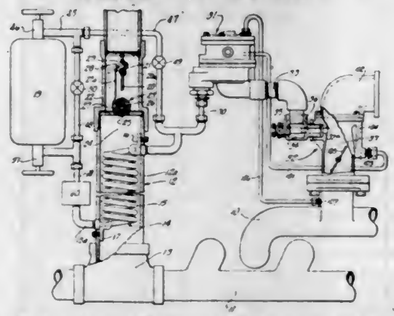
2,073,276

SYSTEM FOR SUPPLYING VOLATILE FUELS TO ENGINES

Paul W. Ensign, San Marino, Calif., assignor to Ensign Carburetor Co. Ltd., Huntington Park, Calif., a corporation of California

Application August 5, 1933, Serial No. 683,779

5 Claims. (Cl. 123—133)



1. In apparatus for supplying an engine manifold with volatile fuels of the character described,

a fuel heater and vaporizer, means for feeding fuel to said heater, said means comprising a pressure vessel containing fuel that volatilizes at normal atmospheric temperatures but which is maintained in said vessel under liquefying pressure, a line conducting liquid fuel from said vessel to the heater and a pressure reducing valve in said line, means for supplying heat to said heater from engine exhaust gases, means for automatically controlling the heat supplied to said heater in accordance with the temperature of the vapors leaving said heater, a vapor line connecting said heater with the manifold, and a pressure regulator in said vapor line for feeding vaporized fuel to the manifold at constant pressure.

2,073,277

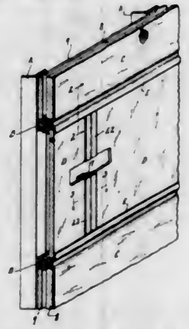
GLASS PANEL BUILDING CONSTRUCTION

Russell L. Hohl, Shaker Heights, Ohio

Application February 14, 1934, Serial No. 711,176

Renewed January 22, 1937

18 Claims. (Cl. 72—24)



1. Wall structure of the class described comprising a runner having associated supporting means and arranged to provide a channel opening from said supporting means with reentrant sides, a clip having a part recessed to receive an edge part of a panel unit and position the latter clear of said runner, said clip having a lip part extending into said channel to engage a side thereof, and means for maintaining said lip in engagement with its channel side, whereby to secure said panel unit edge.

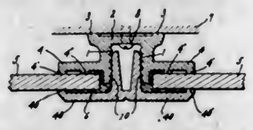
2,073,278

MOUNTING DEVICE

Russell L. Hohl, New York, N. Y.

Application January 7, 1936, Serial No. 57,942

9 Claims. (Cl. 189—88)



9. In a structure of the character described, complementary extruded parts cooperative for mounting one upon the other, and having for the purpose longitudinally extending tongue and channel members with side faces proportioned and arranged to have frictional interengagement distributed over substantial areas in parallel planes, at least one of said members being of relatively soft material such as aluminum whereby said interengagement will be accompanied by galling of its said faces in assembly of the parts.

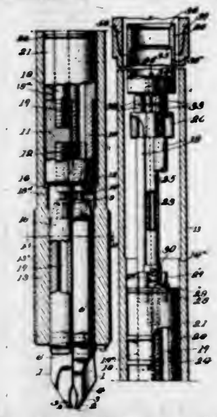
2,073,279

COLLAPSIBLE DRILL BIT

Leland Paul Kinnear, Beaumont, Tex.

Application May 4, 1933, Serial No. 669,418

23 Claims. (Cl. 255—74)



1. A drilling apparatus comprising a chuck, pipe sections attached thereto for rotating the chuck, a drill bit assembly adapted to be seated in said chuck including drill bits and means whereby fluid pressure on the flushing water may be utilized for moving the drill bit assembly into said chuck and for moving said drill bits into seated position on said chuck, and a sealing head adapted to be attached to the upper end of the pipe sections and having a packed guideway therethrough for a lowering cable whereby said drill bits can be lowered into the chuck without breaking the seal, said head having means whereby flushing water under pressure may be discharged into the pipe sections.

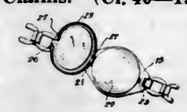
2,073,280

IDENTIFICATION BRACELET

Sigmund L. Lederer, Providence, R. I.

Application July 11, 1933, Serial No. 679,920

3 Claims. (Cl. 40—156)



3. In a container device for a bracelet, a base having an upstanding polished metallic portion presenting a substantially plane surface, a cover hinged to said base and having a flanged edge and adapted to seat over said upstanding portion, and cooperating detachably engageable lock elements on said cover and base, said cover having means for retaining an insert, and said base having means for receiving the ends of a bracelet.

2,073,281

DRAFTSMAN'S PLOTTER

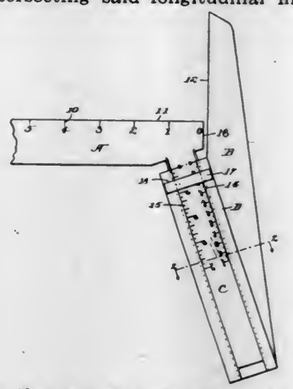
Carl Maier, Los Angeles, Calif., assignor of one-half to Jesse C. Jessen, Los Angeles, Calif.

Application April 10, 1935, Serial No. 15,615

6 Claims. (Cl. 33—103)

6. A draftsman's plotter, comprising, a longitudinal straight edge having an oblique guide arm near one end thereof and extending therefrom and a companion transverse straight edge intersecting the line of said longitudinal straight edge and having a guide movable longitudinally

along said guide arm, whereby a series of parallel lines intersecting said longitudinal line can be



drawn by the use of one straight edge while the other is held stationary.

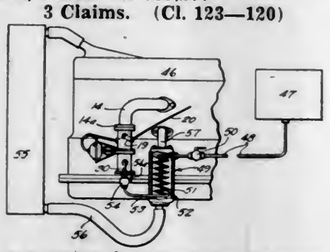
2,073,282

VOLATILE HYDROCARBON VAPORIZING AND FUEL SUPPLY SYSTEM

Charles E. McCartney, Los Angeles, Calif., assignor, by mesne assignments, to Ensign Carburetor Co. Ltd., Huntington Park, Calif., a corporation of California

Original application April 26, 1932, Serial No. 607,581. Divided and this application August 10, 1934, Serial No. 739,277

3 Claims. (Cl. 123—120)



1. In apparatus for supplying gaseous fuel to an engine via a throttle controlled carbureter suction passage into which the fuel is drawn through a fuel inlet in accordance with the depression existing in said passage; the combination comprising, a pressure container for fuel that is volatile at atmospheric temperatures and pressure, a heater for heating and vaporizing the liquid fuel, a fuel supply line connecting said container with the heater, a pressure reducing valve in said line operating to substantially reduce the pressure of the fuel being fed to the heater, a vapor line leading from said heater to the carbureter fuel inlet, and a pressure reducing valve in said vapor line operating to deliver fuel to said fuel inlet at substantially constant pressure.

2,073,283

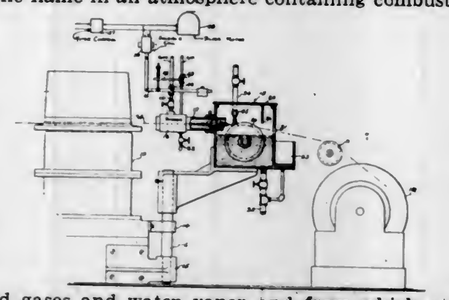
METHOD FOR CONTINUOUS WIRE DRAWING AND ANNEALING

John R. McKean, Rumford, and Herbert S. Busey, Providence, R. I., assignors to Kennecott Wire and Cable Company, a corporation of Rhode Island

Original application July 28, 1933, Serial No. 682,578. Divided and this application November 21, 1933, Serial No. 698,976

4 Claims. (Cl. 148—13)

1. In a process for annealing wire, the steps of passing wire through an annealing flame, enveloping the annealed wire as it emerges from the flame in an atmosphere containing combust-



ed gases and water vapor and from which atmospheric air is excluded, and cooling the annealed wire while it is in the enveloping atmosphere.

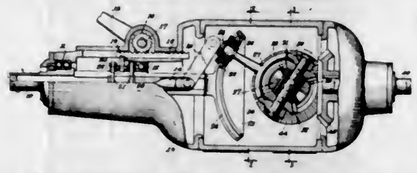
2,073,284

PROGRESSIVE CHANGE SPEED MECHANISM

Fred Muhlenbruch, New York, N. Y.

Application June 12, 1935, Serial No. 26,101

4 Claims. (Cl. 24—112)



1. A progressive change speed mechanism comprising a driving member, a driven member, and means for driving said driven member from said driving member comprising a gyratory yoke having its free end connected to the driving member, pinion gear means on the forked ends of the yoke, mutilated gears in driving relation with the mentioned pinion gear means, gearing for driving the driven member, and plural clutch means successively operatively connecting the mutilated gears with the gearing for the driven member.

2,073,285

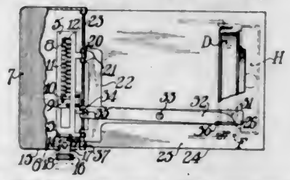
SHUTTER RELEASE FOR FOLDING CAMERAS

August Nagel, Stuttgart, Germany, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application April 9, 1936, Serial No. 73,471

In Germany November 1, 1935

7 Claims. (Cl. 95—53)



1. In a folding camera, the combination with a camera body, of a bed hinged to said camera body and rotatably mounted thereto to swing between an open picture-taking position and a closed position, a shutter carried by said bed, a shutter release on the camera body, and suitable interconnected means having a part slidably mounted in said camera body and having a part rotatably mounted with respect to said bed and adapted to operably connect said shutter release and the shutter when said bed is rotated to a picture-taking position.

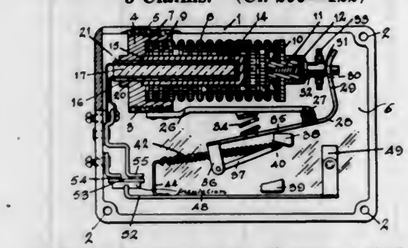
2,073,286

MOTOR OVERLOAD CUT-OUT SWITCH

Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio

Application August 31, 1933, Serial No. 687,668

5 Claims. (Cl. 200—122)



1. In an electric motor thermic switch, a bellows for containing an expansible fluid, a bushing protruding into the bellows and having an inner closed end, a core of insulating material having a heater wire located therein and insertable within the bushing, the heater wire connected in the circuit of the motor, a switch operated by the change in volume of the bellows in response to change in temperature of the fluid, and means for adjustably shifting the bellows substantially in the line of the direction of the switch-operating movements of the bellows.

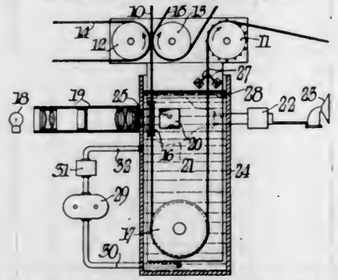
2,073,287

METHOD AND APPARATUS FOR REPRODUCING SOUND

Otto Sandvik, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application April 17, 1934, Serial No. 720,997

4 Claims. (Cl. 179—100.3)



1. In a sound head of the class described, a sound aperture, means for advancing a sound record film past said aperture, an illuminating system for forming a linear light image on the film in said aperture, a speaker system adapted to be energized by the light transmitted by the sound record film, and a liquid supported in intimate contact with the film in said aperture, said liquid having an index of refraction substantially equal to the refractive index of said film, whereby optical irregularities in the surface of the film do not affect the light transmitted to the speaker system.

2,073,288

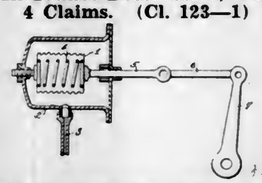
METHOD AND ARRANGEMENT FOR THE OPERATION OF INTERNAL COMBUSTION ENGINES

Max Yves Antonin Serruys, Paris, France

Application November 30, 1932, Serial No. 645,072

In France December 3, 1931

4 Claims. (Cl. 123—1)



1. Method of operating internal combustion engines facilitating the use of a high initial pressure, which consists in reducing automatically and progressively the ignition advance in dependence on the absolute pressure in the manifold, when said pressure attains such a predetermined value that a pinking would occur if the ignition advance remained unvaried.

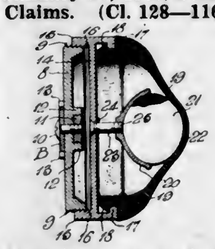
2,073,289

ADJUSTABLE TRUSS PAD

John C. M. Shaw, Mangum, Okla.

Application January 10, 1936, Serial No. 58,569

2 Claims. (Cl. 128—116)



1. In an adjustable truss pad, a front plate for attachment to a belt, a disk behind said front plate and having a threaded connection therewith to allow forward and rearward adjustment of said disk by rotating the same, a rearwardly open cup behind said disk and having a threaded connection therewith to allow forward and rearward adjustment of said cup by rotating it, said cup being of much smaller diameter than said disk, a yieldable body seated in and projecting rearwardly from said cup, and a dome-like yieldable pad enclosing said yieldable body and contacting with the rear side thereof, the edge of said dome-like pad being connected with said disk.

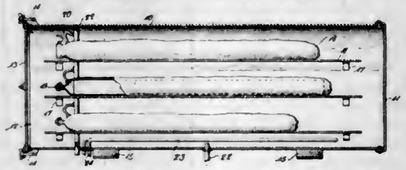
2,073,290

FLUID PRESSURE VENEER PRESS

Monroe M. Teague, Lenoir, N. C.

Application December 19, 1935, Serial No. 55,271

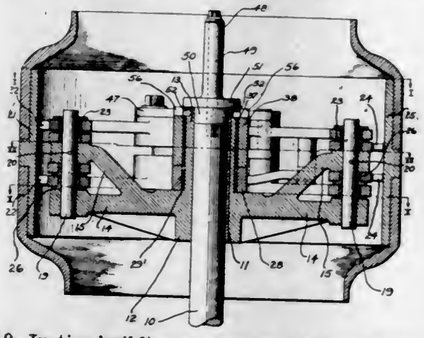
2 Claims. (Cl. 144—281)



1. A veneer press comprising a tank and closure therefor, a fluid-tight collapsible container for veneer stock adapted to be located within said tank, relief means extending from said

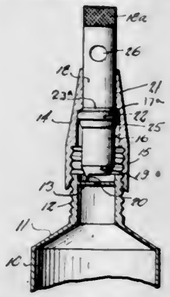
container through a wall of the tank to the open air, and means for introducing into said tank fluid under pressure.

2,073,291
COLLAPSIBLE TIRE BUILDING DRUM
Edwin G. Templeton, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application February 11, 1935, Serial No. 5,913
24 Claims. (Cl. 154—9)



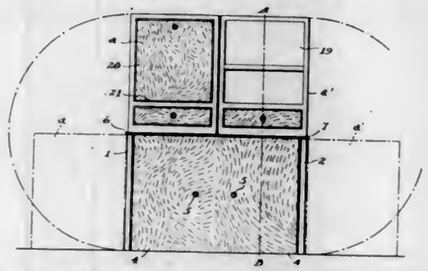
19. In tire building apparatus of the character described, the sub-combination of a plurality of collapsible drum sections and means for collapsing said sections comprising a pair of rotatable collars and connections between the collars and drum sections for collapsing the sections upon rotation of the collars, one of the collars being rotatable independently of the other for a predetermined period in its rotation to initiate collapse of certain of the sections; and means on said last mentioned collar for engaging the other collar at the end of said period to rotate the other collar to collapse certain other of the sections.

2,073,292
DISPENSING CLOSURE
Ralph B. Waite and Sheridan C. Waite, Springville, N. Y.; said Ralph B. Waite assignor to said Sheridan C. Waite
Application May 13, 1935, Serial No. 21,256
15 Claims. (Cl. 221—60)



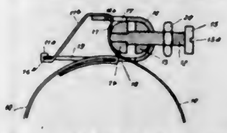
1. In a dispensing closure, a container having a neck, a closure disk in the neck, a tubular cap axially movable on the neck, a dispensing valved tube slidable in the cap and projecting through the outer end thereof, means carried by the tube and cooperating with the cap and neck for limiting sliding movements of the tube relative to the cap, a cutting finger on the inner end of the valved tube and said cap adapted to move the tube when the latter is at its limit of outward movement relative to the cap for moving the cutting finger into severing engagement with the closure disk.

2,073,293
CONVERTIBLE FURNITURE
Eustaquio Ybañez and Manuel Lopez-Cepero, Buenos Aires, Argentina
Application November 23, 1935, Serial No. 51,300
3 Claims. (Cl. 5—2)



1. In convertible furniture, a cabinet comprising a base having a relatively fixed back wall and side walls and having a front wall movable from and toward the back wall, two upper bodies resting side by side on said base and hinged at their outer sides to the sides of the base to be swingable downwardly against the sides of the base, said upper bodies having recesses constituting between them, when the bodies are together, a transverse chamber, an articulated mattress which is pivotally connected at its ends with the front wall and the back wall respectively of said base and which will, when said front wall is adjacent said back wall, extend upwardly folded in part into said transverse chamber.

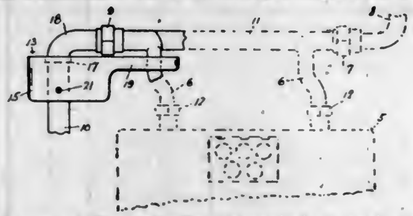
2,073,294
HOSE CLAMP
Marcel Urbain Cailiau, Boulogne-sur-Seine, France
Application March 1, 1935, Serial No. 8,956
In Great Britain January 17, 1935
9 Claims. (Cl. 24—19)



1. A hose clamp comprising a tie arranged to form two adjacent loops constituting an 8-shaped structure of variable profile adjusting means of an outline matching the inner contour of one of the loops for increasing or decreasing at will the size of said loop and for correspondingly decreasing or increasing the size of the companion loop, and means for holding the adjusting means in the selected position.

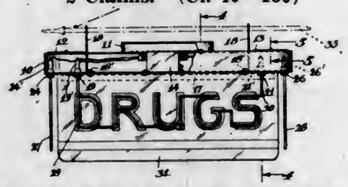
2,073,295
GAS METER SEAL
John H. Dennis and James V. King, Babylon, N. Y.
Application May 20, 1936, Serial No. 80,859
4 Claims. (Cl. 285—3)

1. In combination with a meter having a rigid gas conductor pipe and gas intake and discharge pipe, swivel connections between the conductor pipe and the intake and discharge pipe and a rigid connection between the gas conductor pipe



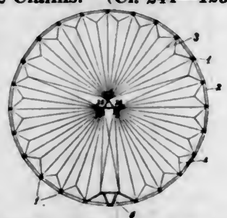
and one of the swivelly connected pipes to prevent tilting of the meter.

2,073,296
NEON SIGN
Peter P. Diffendale, Staten Island, N. Y., assignor to Curtis G. Leith, Queens County, N. Y.
Application March 18, 1936, Serial No. 69,508
2 Claims. (Cl. 40—130)



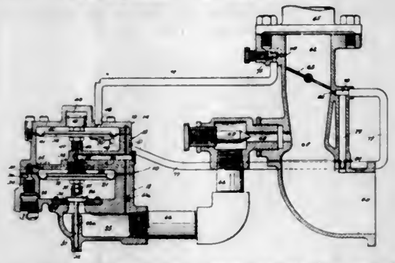
1. A neon tube frame comprising an enclosed, metallic and elongated housing having top, bottom, side and end walls, an elongated reinforcing member affixed to the underside of the said bottom wall and intermediate the width thereof, a transformer in said housing affixed to said reinforcing member, spaced brackets penetrating the top wall of said housing and affixed to said reinforcing member, a plurality of socket holders penetrating and mounted within the bottom wall of the said housing, electrode sockets within the said housing and engaging with the said socket holders, the top wall of the housing being provided with a plurality of openings and detachable covers therefor opposite the transformer and electrode sockets for easy accessibility thereto.

2,073,297
RING BRACING OF RIGID AIRSHIPS
Ludwig Dürr, Friedrichshafen, Germany, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany
Application November 3, 1932, Serial No. 640,920
In Germany November 9, 1931
12 Claims. (Cl. 244—125)



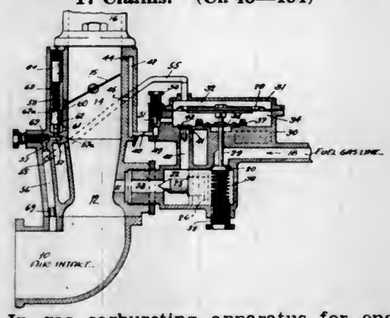
1. In an airship comprising a hull having a ring member, a plurality of radially extending braces connected at their outer ends to said ring member, and a resilient means for connecting the inner ends of at least one group of a plurality of said braces with others of said braces at a central location.

2,073,298
GAS CARBURETING APPARATUS
Orville H. Ensign, Pasadena, Calif., assignor to Ensign Carburetor Co. Ltd., Huntington Park, Calif., a corporation of California
Application June 15, 1935, Serial No. 26,768
16 Claims. (Cl. 48—184)



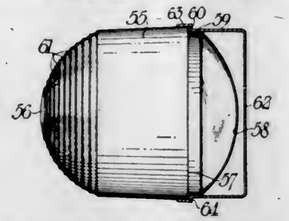
1. In gas carbureting apparatus for engines, the combination comprising, a gas carbureter including a suction passage having an inlet, and an outlet; a gas pressure regulator having a high pressure gas inlet and a low pressure gas outlet communicating with said carbureter suction passage, a regulator valve controlling communication between said gas inlet and outlet, a primary diaphragm actuating the regulator valve, a pilot diaphragm, means for operating said main diaphragm and regulator valve in response to movements of said pilot diaphragm, and means placing one side of said pilot diaphragm in communication with said carbureter suction passage, whereby the pilot diaphragm is caused to move in response to pressure changes in the suction passage.

2,073,299
GAS CARBURETING APPARATUS
Roy F. Ensign, San Marino, Calif., assignor to Ensign Carburetor Co., Ltd., Huntington Park, Calif., a corporation of California
Application May 20, 1933, Serial No. 671,979
17 Claims. (Cl. 48—184)



9. In gas carbureting apparatus for engines the combination comprising, a carbureter having therein a suction passage with an air intake, a Venturi throat and a throttle valve, and having a gas intake passage delivering gas at the Venturi throat; a gas pressure regulator operating to take gas at an initially high pressure and to deliver gas to the carbureter gas intake normally at a constant sub-atmospheric pressure; said regulator including a pressure reducing valve and a valve operating diaphragm; and means applying a depression to one side of the diaphragm to open said pressure reducing valve, and valvular means limiting the amount of depression so applied to the diaphragm.

2,073,300
AUTOCOLLIMATING UNIT
Charles W. Frederick, Rochester, N. Y., and Richard W. Luce, Elizabeth, N. J., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application November 29, 1932, Serial No. 644,802
13 Claims. (Cl. 88—82)

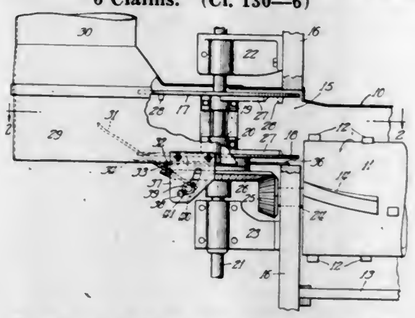


2. An autocollimating catadioptric unit comprising the combination of a collecting lens substantially corrected for spherical aberration and uncorrected for chromatic aberration and a reflector behind the lens, at least one refracting surface of the lens differing from a single optical surface by relatively minute intermittent deviations in such a way that chromatic aberration is rendered imperceptible without substantially influencing the correction for spherical aberration.

2,073,301
WATERPROOFING
Samuel D. Gehman, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 21, 1934, Serial No. 736,372
6 Claims. (Cl. 91—70)

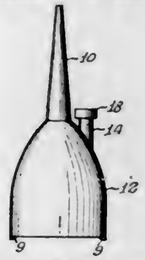
1. Regenerated cellulose, a moisture-proof coating composed essentially of wax and a condensation derivative of rubber obtainable by treating rubber with the halide of an amphoteric metal or chlorostannic acid, and between the coating and the regenerated cellulose a water-resistant bonding layer composed essentially of a drying oil.

2,073,302
CORN SHELLER
Albert E. Gilman, Ottawa, Ill., assignor to King & Hamilton Company, Ottawa, Ill., a corporation of Illinois
Application June 20, 1935, Serial No. 27,553
6 Claims. (Cl. 130—6)



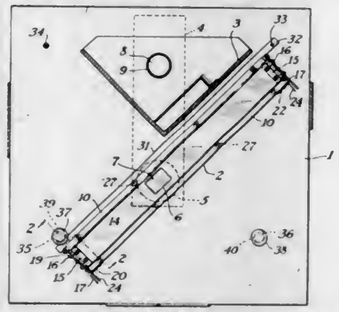
1. In a corn sheller the combination with a cylinder and concave, of a suction trunk, a moving conveyor between the suction trunk inlet and the concave outlet receiving the cobs and husks directly at the outlet and throwing them to the trunk inlet, and a stationary deflecting plate between the conveyor and the trunk inlet having an upwardly inclined surface against which the cobs and husks are thrown to be deflected upwardly into the trunk against the attraction of gravity.

2,073,303
FLEXIBLE OILER
John H. Holder, Long Beach, Calif.
Application October 14, 1935, Serial No. 44,886
1 Claim. (Cl. 221—43)



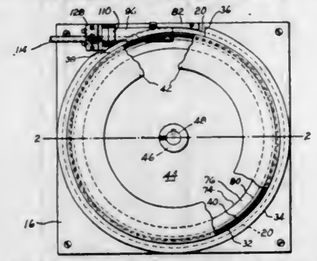
In a flexible oiler of the class described, comprising a bulbiform rubber housing, an elongated flexible spout connected thereto, to enable the operator to bend the latter to any desired curvature in operation; said housing being provided with a projection, the latter being provided with an opening for filling same, said opening being provided with inturned lips for closing the opening by oil pressure, and a cap to prevent leakage.

2,073,304
PRINTING MACHINE NEGATIVE CARRIER
Roy S. Hopkins, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Original application November 2, 1934, Serial No. 751,165. Divided and this application April 2, 1935, Serial No. 14,330
9 Claims. (Cl. 88—24)



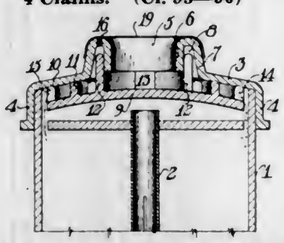
1. In a printing machine, the combination with a flat support including a substantially plane surface of considerable length and breadth and an exposure aperture, of a negative holder of elongated shape and including wheels adapted to run over various parts of said plane surface, means adapted to guide the negative holder relatively to the exposure aperture so that when moved on its wheels negative areas may be registered with the exposure aperture and means for positioning the negative guiding means in different positions relative to the exposure aperture.

2,073,305
ARTICLE FEEDING MECHANISM
Philip H. Hutchinson, Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 17, 1934, Serial No. 744,385
4 Claims. (Cl. 221—136)



1. In a high speed centrifugal feeder, a hopper having a circular side wall, a rotary disc forming the bottom of the hopper and having a circular work-locating notch concentric with the side wall and open upwardly and towards the side wall the side wall having an outlet slot, a throat piece entering the slot and having a portion overlying the work-locating notch, and a stripper blade projecting downwardly from said overlying portion into the notch and lying adjacent to the inner wall thereof; substantially as described.

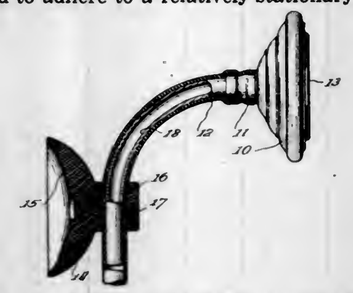
2,073,306
PROCESSING TANK
Carter J. Hughey, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application November 6, 1935, Serial No. 48,527
4 Claims. (Cl. 95—90)



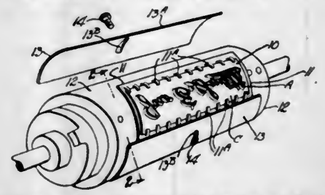
1. A photographic processing tank comprising a tank, a cover for the tank including a pair of spaced plates separated by a plurality of partitions forming separate labyrinthian passages providing access to the interior of the tank, one of said plates being annular in shape and including a tubular flanged opening, said tubular flanged opening comprising two concentrically arranged walls connected at the top and perforated to form an air vent, said tubular opening and air vent leading to separate labyrinthian passages, and a cap adapted to cover both the tubular opening and the air vent simultaneously.

2,073,307
BATH SPRAY
Stanley Isenberg, Chicago, Ill.
Application April 17, 1935, Serial No. 16,763
2 Claims. (Cl. 299—141)

1. In a device of the character described, the combination of a bath spray having a spray head and a flexible hose attached thereto for connection to a faucet or the like for supplying water to the spray head, that portion of the hose disposed immediately adjacent the spray head being provided with a stiffening member of substantially goose-neck formation, and means for supporting said spray head in operative position comprising a concavo convex rubber suction cup adapted to adhere to a relatively stationary support, said cup being provided with a centrally located integral outstanding sturdy projection having a vertical hole formed therethrough and adapted for reception of the stiffened portion of the hose and to thereby support the spray head in operative position, in which position said spray head will be capable of adjustment both vertically and angularly in a horizontal plane.



2,073,308
PRINTING DIE AND RETAINING MEANS THEREFOR
Irving J. Klein, Chicago, Ill.
Application November 1, 1933, Serial No. 696,197
9 Claims. (Cl. 101—376)

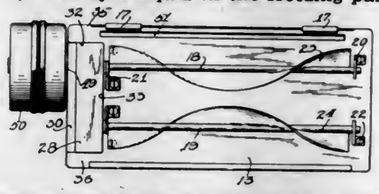


1. Printing means for multigraphs and the like, including a printing die of flexible material, a flexible metallic base plate to which said printing die is secured, said base plate having a normal arcuate cross-sectional form and being adapted to be mounted on and to extend longitudinally of a rotary member of the multigraph, the arcuate form of said base plate being formed with a greater radius than the radius of said rotary member, and tightening means for retaining said base plate on said rotary member, said tightening means being adapted upon tightening to exert pressure on said base plate to cause a deflection of the normal arcuate form of said base plate to conform same to the curvature of the surface of said rotary member.

2,073,309
ACCESSORY FOR MECHANICAL REFRIGERATORS
Carl A. Klenk and Bessie S. French, Chicago, Ill.
Application July 11, 1936, Serial No. 90,094
3 Claims. (Cl. 259—104)

1. An accessory for a refrigerator comprising means arranged to be removably secured to the refrigerator freezing pan, whereby a liquid in the pan may be agitated and stirred, said means in-

cluding a cover for said pan, a pair of horizontally disposed and longitudinally extending parallel shafts rotatably mounted on the cover and spaced from the undersurface of the cover, motor means for rotating said shafts in the same direction, oppositely spiralled blades carried by said shafts, whereby a liquid in the freezing pan will



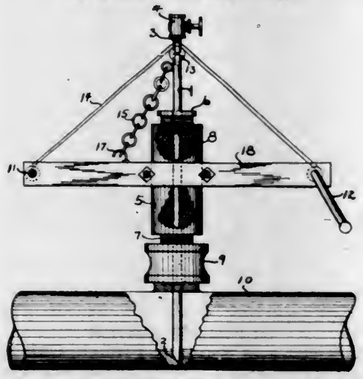
be simultaneously stirred and moved longitudinally of the pan in opposite directions at its sides, said blades, shafts, and cover forming a unit assembly, and means removably connecting said power means to said shafts, whereby said unit assembly may be removed relative to said power means.

2,073,310
WATERPROOFING COMPOSITION
Carl J. Malm and Charles R. Fordyce, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application December 12, 1932, Serial No. 646,869
9 Claims. (Cl. 134—79)

1. A coating composition adapted for the manufacture of a highly moisture-resistant, nonblushing sheet or film having approximately the following composition:

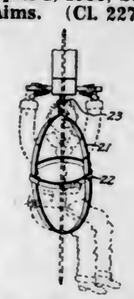
	Parts by weight
Cellulose acetate stearate (containing about 38% stearyl)	100
Glycerol tristearate	3
Ester gum	10
Normal butyl acetate	400

2,073,311
DEVICE FOR REMOVING LIQUID FROM GAS LINES
Daulton P. May, Jackson, Miss.
Application May 20, 1935, Serial No. 22,374
3 Claims. (Cl. 137—78)



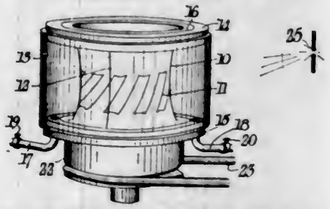
1. A device for withdrawing accumulated liquid from mains and the like comprising a relatively fixed sleeve, said sleeve being provided at its upper and lower ends with gland nuts, and being also provided at its lower end with means for attachment to a main, a tube slidable through said sleeve and having an end adapted to be projected into the main, a cross arm extending laterally from said sleeve, a reel mounted on one end of the cross arm, a guide pulley mounted on the upper end of the tube, a cable connected at one end with said cross arm at the end thereof remote from said reel, said cable being also trained over said pulley and windable on said reel for forcing said tube through said sleeve and into the main, and a valve on the upper end of said tube.

2,073,312
FIRE ESCAPE
Carl G. Miller, Mount Clemens, Mich.
Application April 1, 1936, Serial No. 72,136
8 Claims. (Cl. 227—32)



1. In a fire escape a right and left unit, each of said units comprising a housing, means upon the top of said housings detachably connecting the same to form a unitary structure, means carried by confronting upper and lower portions of said housings for guiding a cable longitudinally through the structure between the housings, means upon the exterior of said housings and near the bottom thereof whereby the lower portions of the same are fastened in a unitary structure, shafts journaled through said housings, rollers carried by said shafts for firmly gripping a portion of the cable between the guide means, gears in each housing for causing simultaneous rotation of the shafts and rollers in the same direction, and means for controlling the speed at which said shafts and rollers rotate.

2,073,313
METHOD AND APPARATUS FOR ORNAMENTING CURVED SURFACES
Alexander Murray, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application May 24, 1934, Serial No. 727,304
6 Claims. (Cl. 95—76)



1. The method of light printing a photographic image uniformly upon the sensitized peripheral surface of an object that comprises holding in an extended stretched position a tubular, elastic, image bearing band, positioning the

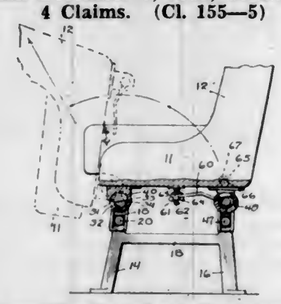
object within said extended band, permitting the band to contract into contact with the peripheral surface of the object and exposing the object to light through the applied band.

2,073,314
ADJUSTABLE FILTER MOUNT
Joseph Mihalyi, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application May 14, 1935, Serial No. 21,389
4 Claims. (Cl. 95—81)



1. An adjustable filter mount comprising a main filter mount having an internal positioning collar, a filter on one side of said collar within the filter mount, a retaining ring for said filter screw threaded internally of said filter mount, a crown geared ring within the mount and positioned on the opposite side of said collar, and clamping screws through the periphery of the filter mount meshing with and confining said crown geared ring within the mount, each of said clamping screws adapted to be equally propelled into or repelled out of said mount by the actuation of any one of said screws for clamping the mount on a lens tube.

2,073,315
SEAT
James H. McManus, Chelsea, Mass.
Application December 5, 1935, Serial No. 52,891
4 Claims. (Cl. 155—5)

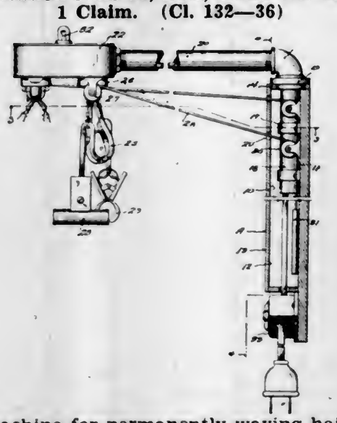


1. The combination of a seat, supporting means therefor, front coupling means operative between the seat and the supporting means, rear coupling means operative between the seat and supporting means, the coupling means each comprising complementary rotary and non-rotary coupling elements of which one element is carried by said seat and the other by said supporting means, each rotary element being arranged and constructed for predetermined rotary movement about the axis of its related non-rotary element during which movement the elements are positively coupled, the rotary and non-rotary elements further having provisions which cooperate to effect uncoupling therebetween upon movement of the rotary elements in excess of the predetermined rotary movement aforesaid, and means to rotate the rotary element of one of the coupling means to effect uncoupling thereof from its associated non-rotary element whereby the seat and the seat carried element of the other coupling means may be actuated throughout the predetermined movement aforesaid to a position in which uncoupling of the elements of said other coupling means may be effected.

2,073,316
PARA-TERTIARY-OCTYL-NITROPHENOLS
Joseph B. Niederl, New York, N. Y., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application February 18, 1935, Serial No. 7,069
3 Claims. (Cl. 260—143)

1. A p-tertiary octyl phenol having at least one nitro group substituted in the benzene ring, said compound being prepared by the nitration of p-tertiary octyl phenol.

2,073,317
PERMANENT HAIR WAVING APPARATUS
Willy E. Ottenbacher, Milwaukee, Wis., assignor to Paul Meyerhoff, Milwaukee, Wis.
Application June 13, 1934, Serial No. 730,398
1 Claim. (Cl. 132—36)



A machine for permanently waving hair comprising a stationary wall casing including a backplate adapted to be rigidly connected to a support, a vertically disposed standard rotatably mounted in the casing supported by the backplate, a rightangularly extending arm on the upper end of the standard extending outwardly of and above the casing, a head carried by the arm, depending heaters suspended from the head, counter-balancing means for curlers including pull cords, pulley wheels over which the cords are trained carried respectively by the head and backplate, the outer ends of said cords being connected to the heaters with the inner ends thereof disposed in the casing, and counter-balancing weights connected to the inner ends of said cords and disposed wholly within said casing.

2,073,318
AIRPLANE
Frederick W. Peel, Bedford, Va., assignor to L. P. R. Company, New York, N. Y., a corporation of Delaware
Application August 30, 1935, Serial No. 38,563
6 Claims. (Cl. 244—90)

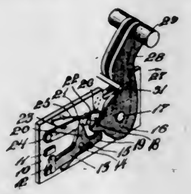
5. In an airplane wing, spoilers consisting of openings in the wing, extending from the lower to the upper surface of the wing, the side of the opening nearest the trailing edge of the wing forming an acute angle of the order of 45° with the upper surface of the wing and the side of the opening nearest the leading edge being sub-

stantially parallel to the first-mentioned side and forming an obtuse angle with the upper surface



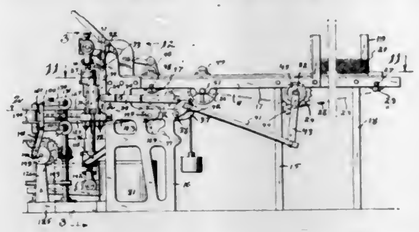
of the wing; and means for restricting each of said openings.

2,073,319
SWITCH
Joseph Rosay, Armonk, N. Y.
Application September 20, 1934, Serial No. 744,798
4 Claims. (Cl. 200—39)



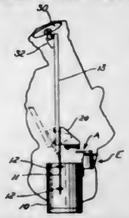
1. A switch comprising a body, a fixed contact thereon, a movable contact, resilient means tending to separate said contacts, a member engaging said movable contact to move it into engagement with said fixed contact, a latch for holding said movable contact in such engaged position, said member being provided with means to trip said latch when moved in the opposite direction and cause said resilient means to function to separate said contacts.

2,073,320
FEEDING AND BLANKING MACHINE
Andrew Smith, Milwaukee, Wis., assignor to Van Dyke Knitting Co., Milwaukee, Wis.
Application June 7, 1934, Serial No. 729,539
2 Claims. (Cl. 164—20)



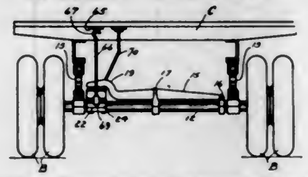
1. In a machine for cutting discs from sheets of material, a feed table, a guide frame at the front of said table, a reciprocatory head supported by the frame, a cutter knife movable with the head, means for feeding sheets of material along the table in a step by step movement to the knife, push rods slidably supported by the frame, gripper feet carried by the push rods for engaging the sheet, stops carried by the push rods, expansion coil springs on said rods confined between the frame and the stops for normally urging the feet into gripping contact with the sheet, and arms carried by the head slidable on the push rods for engaging said stops to lift the rods and feet above the sheet during the advancing of said sheet.

2,073,321
DISPLAY DEVICE
Ralph R. Smith, Cleveland, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application July 13, 1935, Serial No. 31,163
12 Claims. (Cl. 40—133)



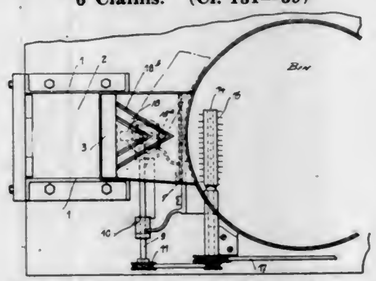
1. A display device comprising, in combination, a support; a movable display member; a bendable resilient plate having its opposite ends rigidly secured to said support and to said member, respectively; and mechanism operable intermittently to impart a thrust contributing to move said member sufficiently to bend said plate, whereupon the resilience of the latter automatically returns said member to a position to receive successive thrusts.

2,073,322
AUTOMATIC AXLE ADJUSTER
Casimir Siemiana, Bay City, Mich.
Application June 24, 1935, Serial No. 28,224
10 Claims. (Cl. 280—80)



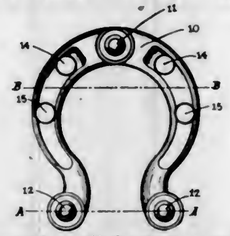
1. An axle adjusting mechanism adapted to be connected to an axle shaft and comprising a lever beam, and a pressure actuated means mounted on said axle and engaging said lever beam for maintaining said axle in true horizontal alignment.

2,073,323
PACKAGING SHORT FILLER TOBACCO
Franz Heinrich Benno Stelzer, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinenfabrik J. C. Mueller & Co., Dresden, Germany
Application July 9, 1935, Serial No. 30,505
In Germany July 7, 1934
6 Claims. (Cl. 131—39)



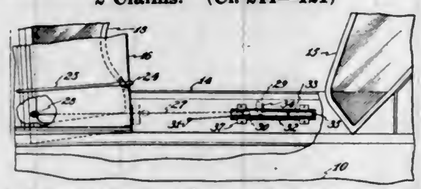
1. A tobacco packaging apparatus comprising a hopper and pressing box, and a vibratory distributing plate in the hopper provided on its face with spreader ribs.

2,073,324
GAME AND GAME APPARATUS
Roscoe K. Stockton, Denver, Colo.
Application August 29, 1934, Serial No. 741,915
19 Claims. (Cl. 273—100)



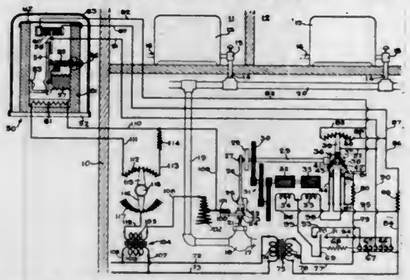
1. An omegoid quoit having a projection, and a hole in one arm slightly larger than said projection and spaced from said projection a distance sufficient to permit linkage to a similar quoit having a similar projection.

2,073,325
SLIDING HOOD
Harry A. Sutton, Buffalo, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application March 30, 1934, Serial No. 718,149
2 Claims. (Cl. 244—121)



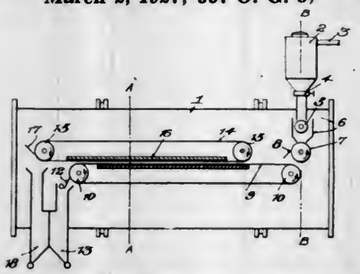
1. In operating mechanism for a cabin top for an open cockpit of aircraft, an elastic member attached at its respective ends to the cabin top and to said aircraft for constantly urging said top toward an open position, a sliding bolt mounted within said aircraft, a pulley carried by said bolt, and a cable attached at one end to said cabin top, passing over said pulley and attached at its other end to said aircraft, whereby a sliding of said bolt moves said cabin top substantially twice the distance through which said bolt is moved, toward a position wherein the cabin top closes said cockpit.

2,073,326
TEMPERATURE CONTROL SYSTEM
Daniel G. Taylor, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 5, 1935, Serial No. 39,299
20 Claims. (Cl. 236—91)



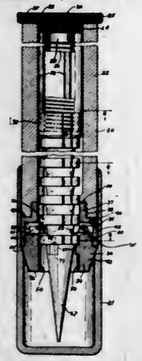
2. In a heating system of the class described, the combination of heating means for a space, a controller outside of the space and including heating means and thermostatic means responsive to the temperature of the controller, the thermostatic means modulating both heating means in accordance with the heat losses from the controller and the space whereby constant temperatures are maintained in the controller and the space.

2,073,327
HIGH VACUUM DISTILLATION AND APPARATUS THEREFOR
Brian Edmund Allen Vigers, Dunstable, England, assignor to Imperial Chemical Industries, Limited, a corporation of Great Britain
Application June 15, 1936, Serial No. 85,411
In Great Britain June 14, 1935
6 Claims. (Cl. 202—52)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. A method for short-path high-vacuum distillation, which comprises feeding the material to be distilled in the form of a thin layer on to a moving surface adapted to be heated to the requisite temperature, collecting condensate on a parallel moving surface which is in close proximity to the evaporating surface, and adapted to be cooled, and separately collecting residue and condensate from the said moving surfaces.

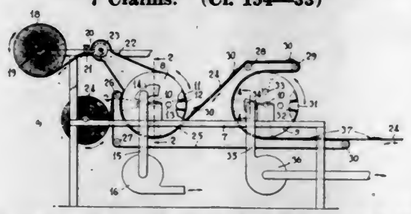
2,073,328
GOLF TEE AND MAGAZINE THEREFOR
Henry G. Wasserlein, Sr., East Cleveland, Ohio
Application November 16, 1931, Serial No. 575,209
Renewed January 21, 1937
14 Claims. (Cl. 273—32)



1. In a golf tee magazine dispensing device, a main body having an elongated chamber adapted to contain a plurality of tees and comprising a discharge outlet, means for successively dispensing the tees from the chamber comprising a head on each tee, a spline connection between each

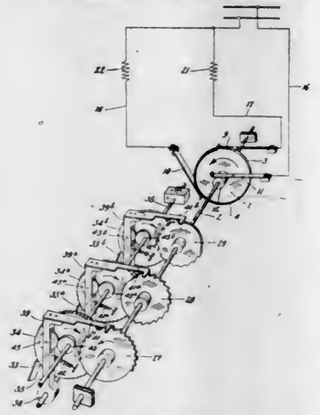
head and the chamber wall to prevent rotational but permit longitudinal movement of the head and tee in the chamber, resilient means for moving all of the tees toward the outlet, a stop means adjacent the outlet engageable by the head of the outermost tee to restrain it from discharging from the outlet and operable to release said tee by relative rotational movement of the tee and the body.

2,073,329
METHOD AND APPARATUS FOR MAKING SANITARY NAPKINS OR THE LIKE
Courtney P. Winter, Chambersburg, Pa., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application December 29, 1934, Serial No. 759,795
7 Claims. (Cl. 154—33)



1. The method of lining a wrapper for a sanitary napkin or the like, which consists in drawing loose fibrous material by sub-atmospheric pressure to a screen-like surface to form thereon a film of said fibrous material, bringing said film, while on said member, into contact with a web of gauze, and then subjecting the film to substantially atmospheric pressure to detach it from said screen-like member and attach it to said web.

2,073,330
SWITCHING APPARATUS
Werner Zingg, Zug, Switzerland, assignor to Landis & Gyr, A-G., a corporation of Switzerland
Application January 15, 1935, Serial No. 1,873
In Switzerland January 23, 1934
8 Claims. (Cl. 200—17)



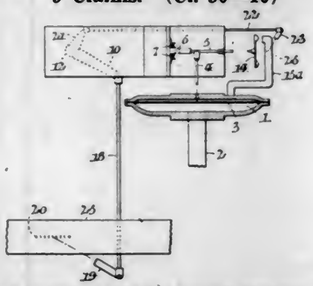
1. In an operating mechanism for a rotatable switch for controlling a plurality of circuits, the combination of a rotatable shaft, a plurality of wheels fixed on the shaft and having an arcuate series of ratchet teeth with an intervening smooth portion, said smooth portions being angularly staggered relatively to each other, a pawl mechanism for each of the ratchet wheels and a plurality of frequency controlled means for selectively operating the pawl mechanisms whereby the shaft is brought to a desired position and is moved from that position only by the selective operation of another of the pawl mechanisms.

2,073,331
TONE BAR
James S. Allen, Hammond, Ind.
Application June 24, 1935, Serial No. 28,123
6 Claims. (Cl. 84—319)



1. In a tone bar, a metal bar, said bar being circular in cross section, and a cylindrical fiber sleeve secured to and covering the entire peripheral surface of said metal bar.

2,073,332
COMPENSATED CONTROL SYSTEM
George A. Brooke, Jr., Philadelphia, Pa., assignor to Brooke Engineering Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application June 13, 1936, Serial No. 85,027
9 Claims. (Cl. 50—10)

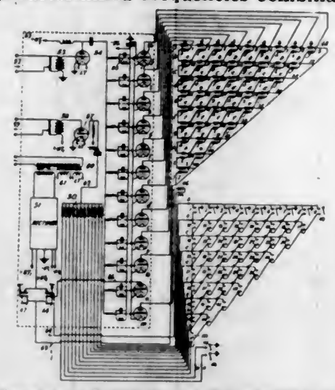


1. In a compensated control system having a pressure chamber and an element therein responsive in its movement to changes in the condition of the medium to be regulated, a primary control mechanism actuated by the movement of said responsive element, said primary control mechanism including a source of power and means operated thereby for restoring the regulated medium to its normal condition, and a secondary control mechanism comprising a fan driven by said source of power and a pressure line leading from said fan to the pressure chamber aforesaid, said secondary control mechanism creating a force on said responsive element in opposition to the force initiating a movement thereof.

2,073,333
TELEGRAPH SYSTEM
Henri Chireix, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application May 9, 1934, Serial No. 724,648
In France May 11, 1933
8 Claims. (Cl. 178—25)

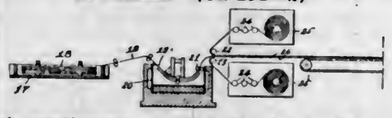
1. Type writing machine provided with type carriers and remotely controlled by electric signals composed of several frequencies emitted simultaneously, comprising means for collecting the signals, releasing selector relays of the ionized gas type connected to said collecting means for selecting the particular frequencies in the signal,

selective circuits interposed between the relays and the means for collecting the signals, electromagnets for actuating the type carriers of the machine circuits comprising each one electromagnet controlling the type carrier responsive to a predetermined frequencies combination and



the relays supplying the same combination, said circuits comprising means for energizing the said electromagnet to be operated and for energizing other electromagnets insufficiently to be operated, and means for cutting off the circuits of the energized relays after the operation of the type carrier.

2,073,334
PROTECTED METAL ARTICLE AND METHOD OF MAKING THE SAME
Alden W. Coffman, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 7, 1936, Serial No. 94,808
16 Claims. (Cl. 154—2)



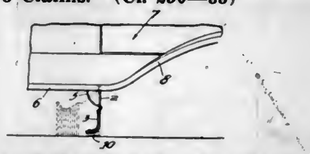
7. A continuous method for fabricating metallic elements which comprises the steps of applying a metallic adhesive to a metal base member while the metallic adhesive is in a heated fluid condition and thereafter applying fibrous material thereto before the metal adhesive has solidified, whereby to firmly key and anchor the fibrous material to the metal base member, then applying a protective bituminous coating over the fibrous material.

2,073,335
BREATHING TUBE
Karl Connell, Branch, N. Y.
Application October 5, 1935, Serial No. 43,650
7 Claims. (Cl. 138—49)



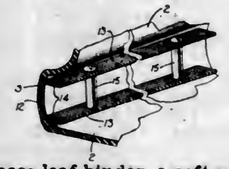
1. A flexible non-collapsing breathing tube substantially composed of rubber and having an outer wall of helical contour providing grooved outer and inner surfaces and a direct central passageway, the grooved inner surface providing at least one helical passageway one side of which opens into said central passageway, said side having a lateral extent which is at least substantially as great as the lateral extent of the groove at any other point thruout the depth of the groove.

2,073,336
RADIO GROUND COUNTERPOISE
Judson A. Cook, Haledon, N. J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
Application September 22, 1934, Serial No. 745,056
3 Claims. (Cl. 250—33)



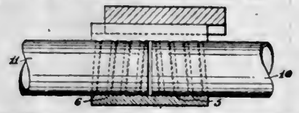
1. A device of the character described which comprises, a carrier constructed of electrical insulating material adapted to be swingably suspended from a vehicle, said carrier being swingable along the line of travel of the vehicle whereby motion of the vehicle subjects the carrier to air resistance causing the same to swing, a metal member having substantial area and of greater width than thickness carried by said carrier, a portion of said member being disposed with its width horizontally adjacent the ground and a portion thereof being disposed at an angle to the ground when the vehicle is at rest, the projected area of the metal member upon the ground being increased when the carrier is swung and means electrically connecting said plate to the input circuit of a radio carried by said vehicle.

2,073,337
LOOSE LEAF BINDER
Robert J. Dewar and George H. Dawson, Chicago, Ill., assignors to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application October 15, 1934, Serial No. 748,302
2 Claims. (Cl. 129—1)



2. In a loose leaf binder, a soft resilient molded back member, a pair of cover members integral with said back member, and a strip of material embedded in said back member with flaps projecting beyond the surface of said back member to facilitate the securement of sheet retaining means in said binder.

2,073,338
CONNECTER
Roy J. Durkee, Cleveland Heights, Ohio
Application July 13, 1935, Serial No. 31,248
7 Claims. (Cl. 285—194)



1. A coupling comprising a longitudinally slit sleeve, inclined surfaces provided on the opposite sides of the slit, a clamping member slidable over

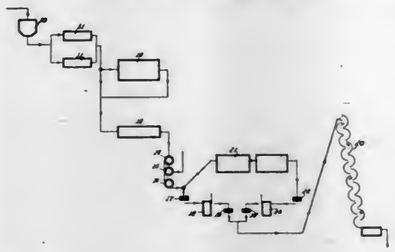
said inclined surfaces to wedge the sleeve edges toward each other, the sleeve being provided interiorly with retaining projections adapted to be pressed into the wall of an article within the sleeve, and a gasket positioned within the retaining means.

2,073,339

PROCESSING BEANS AND OTHER COMESTIBLES

Edward C. Eberts, Indianapolis, Ind.

Application January 4, 1936, Serial No. 57,488
7 Claims. (Cl. 99—186)



1. The method of packaging and heat-treating comestibles of the dry-seed type, which includes the step of hermetically sealing measured quantities of dry seed and water in a cylindrical can; the step of subjecting the charged sealed can while quiescent and on its side to a superatmospheric temperature without development of bulging internal pressure for a period sufficient to cause substantial water-penetration of the seed; the step of subsequent higher heat treatment while quiescent and on its side developing substantial internal pressure to accomplish final cooking; the step of cooling to substantially eliminate internal pressure; and the final step of agitation before final storage to prevent agglomeration.

2,073,340

METHOD OF PACKING WHOLE TOMATOES, ETC.

Edward C. Eberts, Indianapolis, Ind.

No Drawing. Application January 4, 1936, Serial No. 57,489
4 Claims. (Cl. 99—186)

1. The method of packaging tomatoes which comprises the step of subjecting a sealed container, containing two or more whole fruits, while quiescent and on its side, to a temperature substantially below 212° F. for a period of time sufficient to raise the temperature of the fruit to or above 175° F. for a period of not less than fifteen minutes, and to the exclusion of a higher heat treatment.

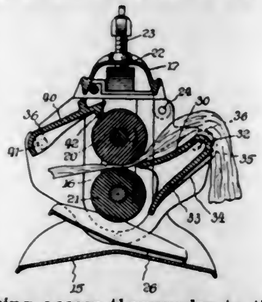
2,073,341

WRINGER

Albert R. Haag and George A. Haag, Peoria, Ill.

Application September 2, 1933, Serial No. 687,954
11 Claims. (Cl. 68—32)

1. A wringer comprising, in combination, a frame, a pair of rolls supported in said frame, and means for feeding clothes into said rolls pivotally supported on said frame and comprising a member having a surface normally positioned to feed the clothes to the wringer and movable into the angular space formed by the curvature of the rolls on pivotal movement of said means to force the clothes into the bite of the rolls, and a skirt connected to said member for movement therewith and movable toward and substantially covering the adjacent portion of the lower roll



and preventing access thereunder to the bite of the rolls upon pivotal movement of said means to prevent the operator's fingers from being caught between said rolls.

2,073,342

CONVERSION PROCESS

Walter H. Hart, Winnetka, Ill., assignor to Stein, Hall Manufacturing Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application July 17, 1934, Serial No. 735,581
3 Claims. (Cl. 127—32)

2. The method of converting starch in cereal containing starchy and protein ingredients comprising degerminating the cereal, steeping the degerminated cereal in a sulphurous acid solution to soften the protein and other non-starchy constituents, grinding and drying the sulphurous acid-cereal mixture to remove most of the sulphurous acid solution but retaining a relatively small portion thereof in the cereal for subsequent gel inhibiting action, adding a sulphite salt to the mixture to augment the gel inhibiting action of said retained sulphurous acid, adding one of the protein satisfying agents herein defined, adding a starch conversion accelerating agent and heating the mixture, whereby said retained sulphurous acid and sulphite salt will inhibit the formation of gels normally produced by the non-starchy components of the cereal under these conditions and said protein satisfying agent will prevent excessive absorption of the starch conversion accelerating agent by the cereal and thus increase the conversion efficiency of said agent.

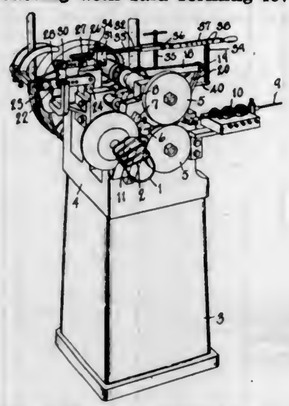
2,073,343

WIREWORKING MACHINE

Bernard Heilman, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich.

Application April 13, 1936, Serial No. 74,000
17 Claims. (Cl. 140—78)

1. In a coiling machine, the combination with a coiler member provided with a rockshaft having an arm thereon and feed means operatively associated with said coiler member, of a coiler member control means comprising a control cam having a series of uniformly spaced tooth-like cam projections, the end cam projections of the series being substantially one-half the width of the other cam projections of the series, there being cam projections of substantially greater width but of less height at each end of the series, a pivoted actuating lever, a link connecting said actuating lever to said arm on said coiler member rockshaft, a pivoted forming lever provided with a follower coacting with said cam, a pivoted intermediate lever provided with a longitudinally adjustable arm having an adjustable follower thereon coacting with said forming lever, and a



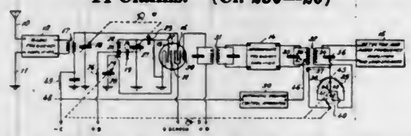
link connection for said intermediate lever and said actuating lever, said intermediate lever and actuating lever each being provided with a longitudinal series of holes with which the connecting link pivots may be selectively engaged to vary the relative throw of the levers.

2,073,344

SUPERHETERODYNE RECEIVER

John Kelly Johnson, Rye, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J., a corporation of Delaware

Application May 22, 1934, Serial No. 726,931
14 Claims. (Cl. 250—20)



1. In a superheterodyne receiver comprising means for receiving modulated carrier signals, means including means for generating oscillations for deriving from said received signals modulated intermediate carrier-frequency signals and a selecting circuit for selecting a band of frequencies including said intermediate carrier-frequency, means for varying the effective width of an intermediate frequency modulation sideband passed by said selecting circuit comprising means for shifting said oscillator frequency relative to the frequency of said signals.

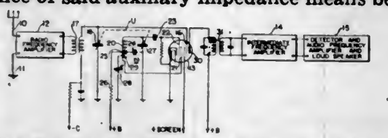
2,073,345

SUPERHETERODYNE RECEIVER

John Kelly Johnson, Kenilworth, Ill., assignor to Hazeltine Corporation, Jersey City, N. J., a corporation of Delaware

Original application May 22, 1934, Serial No. 726,931. Divided and this application January 14, 1936, Serial No. 59,021
6 Claims. (Cl. 250—36)

1. An oscillation circuit tunable over a range of frequencies and including an adjustable reactance element for tuning said circuit to a selected frequency of said range, and means adjustable independently of said tuning element for adjusting the resonant frequency of said circuit relative to said selected frequency over a small fraction of said range, comprising auxiliary adjustable impedance means coupled to said circuit, the impedance of said auxiliary impedance means being



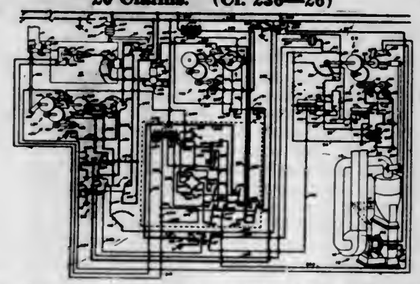
so related to its coupling to said circuit that equal adjustments thereof effect substantially equal adjustments of the resonate frequency of said circuit for all frequencies of said range.

2,073,346

POWDERED COAL BURNING SYSTEM

Leon L. Kuempel, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application October 11, 1934, Serial No. 747,897
20 Claims. (Cl. 236—26)



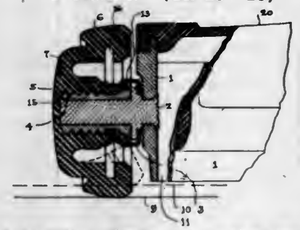
1. A burner system of the class described, comprising in combination, fuel control means in control of the supply of fuel to a burner, draft control means for the burner having a starting and a running position, a control operative to position the draft control means in starting position upon an initial demand for the feeding of fuel, means operative to institute the feeding of fuel by said fuel control means only after said draft control means has been positioned in starting position, ignition means for the fuel, and means responsive to the ignition means operative to thereafter position said draft control means in running position.

2,073,347

COLLAPSIBLE WHEEL FOR VACUUM CLEANERS

Ward Leathers, Haworth, N. J., assignor to Quadrex Corporation, New York, N. Y., a corporation of Delaware

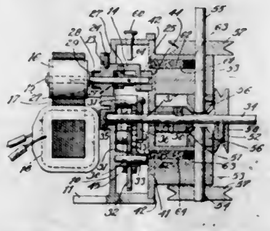
Application October 21, 1936, Serial No. 106,762
4 Claims. (Cl. 15—16)



1. In a vacuum cleaner, a motor-suction-unit, a handle rigidly joined thereto, a transverse nozzle also joined thereto at a point remote from the

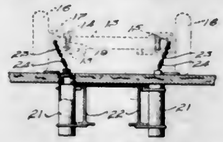
handle, said nozzle having on its end a fixed spindle supporting a floor-engaging wheel, said wheel being made of soft rubber, substantially cup-shaped and wherein the rim of the cup comprises the tread.

2,073,348
REDUCTION DRIVE
Bernard J. Merkle, Chicago, Ill.
Application July 3, 1933, Serial No. 678,825
8 Claims. (Cl. 74—421)



1. A gear reduction drive comprising a casing having a substantially flat wall with an outstanding continuous rim, a plurality of interengaging spur gears mounted within the casing, an electric motor having a stator suported externally on the said wall of the casing, a rotor within the stator having no connection with the stator, and a mounting for the rotor comprising a shaft extending within the casing at one side only of the stator, and a bearing mounted in the casing at the side of the rotor and having an extending yoke portion within the casing, a driving pinion mounted on the shaft within the yoke portion and engaging one of the gears within the casing for driving them.

2,073,349
CAR LOADING DEVICE
Sulo M. Nampa, Detroit, Mich., assignor to The Worth Company, a corporation of Michigan
Application February 15, 1934, Serial No. 711,307
11 Claims. (Cl. 248—119)



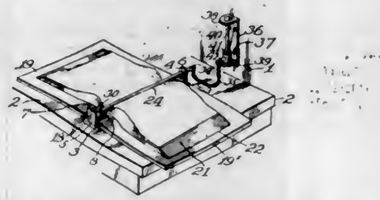
1. The combination with an automobile chassis frame having a projecting portion, of an anchoring member having one end secured to the frame and a hook portion at its other end hooked about the projecting portion on the frame.

2,073,350
WING TRUSS
Robert R. Osborn, Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application January 23, 1934, Serial No. 707,883
2 Claims. (Cl. 244—38)



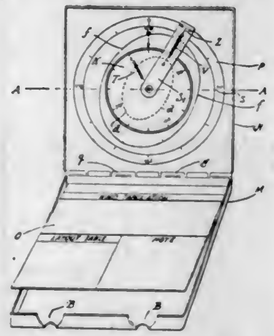
1. In an airplane, a body, a cantilever wing thereon designed within such limits as to withstand, without external bracing, all lift stresses encountered in substantially rectilinear flight and all anti-lift stresses encountered in inverted flight and in landing, though being incapable of withstanding, without external bracing, all of the lift stresses encountered in the execution of maneuvers of the airplane due to pronounced curvilinear flight, external bracing means for said wing organized to remain inactive during said substantially rectilinear flight comprising a brace member extending between the body and the wing, and means responsive in its operation to the imposition of the added stresses due to said pronounced curvilinear flight for rendering said brace means active to assume the difference in stress between the stresses imposed on the wing and the stresses which the wing, by itself, is capable of withstanding.

2,073,351
HANGING DIRECTORY HOLDER
William B. Osman, Indianapolis, Ind.
Application April 7, 1933, Serial No. 664,928
4 Claims. (Cl. 129—38)



1. A directory holder including a base plate having an upstanding ear and a boxing on opposite end portions thereof, said ear having an aperture therethrough, a binder rod removably inserted through the aperture in said ear and extending into said boxing, and key-operated means movably arranged in the boxing to engage and lock the rod in place.

2,073,352
ADJUSTABLE DIRECTION-FINDER CHART
Hans Scharlau, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 14, 1933, Serial No. 675,773
In Germany June 15, 1932
7 Claims. (Cl. 33—76)



1. A mechanical evaluation device for directional receiving apparatus comprising a box-like member having fixed thereto a scale, said scale being graduated in degrees similar to the direction finder scale on the receiving apparatus, a rotatable disc concentrically arranged with said scale having graduation similar to a compass scale, a radial slot in said disk, graduations on the edge of said slot for reading magnetic corrections from a curve on said scale and appearing through said radial slot, a transparent rotatable strip pivotally fixed to the center of said fixed scale and rotatable disc, and arranged to indicate corrections marked on said fixed scale.

2,073,353
APPARATUS FOR PREPARING BUTTER SUBSTITUTES
Jacob Schaub, Westfield, N. J., assignor to The Best Foods, Inc., New York, N. Y., a corporation of Delaware
Application July 9, 1932, Serial No. 621,652
14 Claims. (Cl. 210—149)



1. A liquid separating device comprising a tray having depending tips, capillary openings through the tray communicating with said tips and narrow slits extending longitudinally of the tray and leading to said capillary openings.

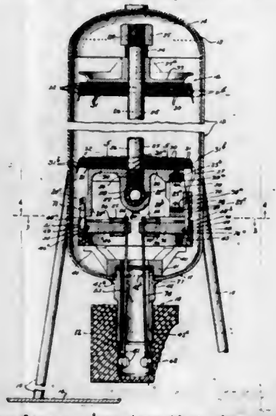
2,073,354
RECOVERY OF HORMONES
Walter Schoeller, Berlin-Westend, and Karl Junkmann, Berlin, Germany, assignors to Schering-Kahlbaum A. G., Berlin, Germany
No Drawing. Application October 18, 1932, Serial No. 638,344. In Germany October 23, 1931
8 Claims. (Cl. 167—74)

1. The method of recovering the thyreotropic hormone of the anterior lobe of the pituitary gland, comprising acting on an aqueous extract produced at ordinary temperature from the anterior lobes of pituitary glands with an acid of the group of acids constituted by picric acid, picrolonic acid, sulfo salicylic acid and trichloro acetic acid for the precipitation of albuminous matter, separating the precipitate from the adhering precipitating agent, and purifying the precipitate by reiterated precipitation, from a dilute alkaline solution, with the precipitating agent.

2,073,355
ELECTRIC CONDENSER CONSTRUCTION AND ART OF MAKING THE SAME
Franklin S. Smith, New Haven, Conn.
Application December 14, 1931, Serial No. 580,909
24 Claims. (Cl. 175—41)

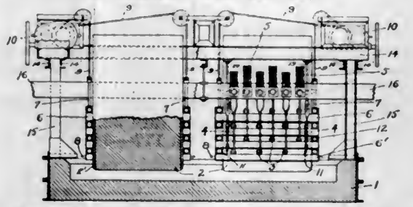
3. In condenser construction, in combination, a rod having a groove extending therealong, condenser plates and sheet insulation material strung onto said rod to form a condenser, the plates of one polarity having tabs projecting into said groove and the plates of opposite polarity projecting beyond the insulation material, and means for electrically joining said tabs to said rod.

11. In condenser construction, in combination, a casing having an insulating support adjacent its bottom, said insulating support carrying a conductive member projecting therefrom, a condenser unit having a plurality of supporting means adapted when inserted into said casing to be supported by said insulating support, one of said supporting means being in electrical connection with one electrical side of said condenser unit and contacting with said conductive member projecting from said insulating support.



15. In condenser construction, in combination, a casing having an opening therein, a sleeve-like metal bushing secured in said opening and having insulating means associated therewith exteriorly of said casing, conductive means passing through said insulating means and said bushing and into said casing, said bushing having a threaded portion accessible from the interior of said casing, and electrical apparatus within the latter and connected to said conductive means, and means in threaded connection with said bushing for positioning said apparatus.

2,073,356
ELECTRODE SUSPENSION
Pierre Torchet, Riouperoux, France, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Oslo, Norway
Application April 18, 1933, Serial No. 666,761
8 Claims. (Cl. 13—15)

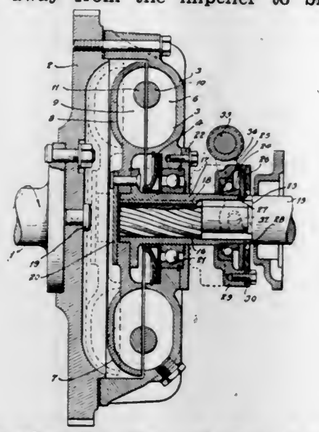


1. An electrode for an aluminum furnace, baked in the furnace in which it is employed, and comprising a lower baked portion and an upper unbaked portion and having an oblong cross-section, the longest axis of which is in excess of forty-three inches and the shortest axis of which is approximately a maximum of forty-three inches.

2,073,357
FLUID COUPLING AND CONTROL
Ernest E. Wemp, Detroit, Mich.
Application February 15, 1934, Serial No. 711,364
23 Claims. (Cl. 192—.01)

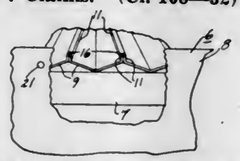
1. A fluid coupling comprising an impeller, a runner, a driven shaft, and a connection between the runner and the driven shaft including inclined plane means arranged to feed the runner axially toward the impeller when torque is de-

livered from the impeller, and to feed the runner axially away from the impeller to break the



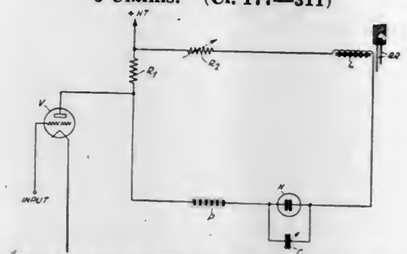
coupling when the driven shaft tends to overrun the impeller.

2,073,358
SELF-SUPPORTING TANK ROOF
James B. Williamson, Birmingham, Ala.
Application March 22, 1935, Serial No. 12,406
7 Claims. (Cl. 108—32)



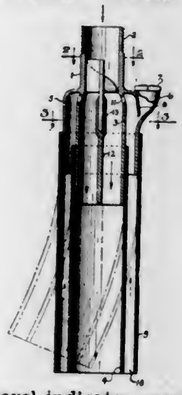
5. In a roof for a circular tank, a plurality of roof units radially disposed with respect to the axis of the tank, said roof units being trough shaped in cross section, and continuous weld joints connecting adjoining roof units to each other.

2,073,359
ELECTRICAL DEVICE
Alfred Thomas Witts, Surrey, England, assignor to Radio Corporation of America, a corporation of Delaware
Application July 5, 1933, Serial No. 679,050
In Great Britain July 22, 1932
6 Claims. (Cl. 177—311)



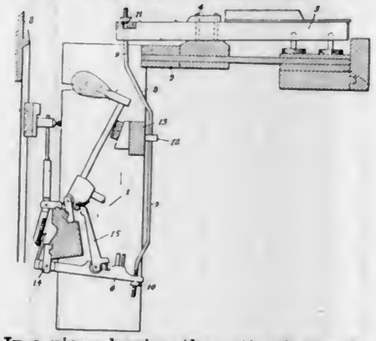
1. An electrical overload, safety alarm and like device adapted to be operated when the current in a circuit to be protected increases or decreases by a predetermined amount from a predetermined value, said device comprising a resistance forming part of a so-called electrical discharge tube "blink" circuit and connected in series with the circuit to be protected, frequency sensitive means comprising a condenser connected in shunt with a discharge tube to actuate an alarm by a change in the frequency of said "blink" circuit, the whole arrangement being such that when the current in the circuit to be protected reaches a predetermined value the frequency in the "blink" circuit will actuate the frequency sensitive means.

2,073,360
LIQUID LEVEL INDICATOR
Everett H. Bickley, Cynwyd, Pa.
Application February 16, 1935, Serial No. 6,831
11 Claims. (Cl. 226—66)



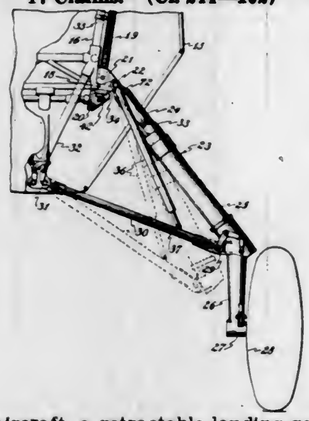
1. A liquid level indicator, comprising a liquid conducting tube, means automatically actuated by the passage of liquid to produce an irregular flow of liquid in said tube, a signal producing device, and a second tube communicating with said first tube and with said signal device, whereby a gas normally entering said first tube thru said second tube will operate said signal device, when the flow of gas in said second tube is stopped by the liquid upon reaching a given height in a tank.

2,073,361
MINIATURE PIANO
Stanley Richard Bridges, Bush Hill Park, Enfield, England, assignor to Hardman, Peck & Company, New York, N. Y., a corporation of New York
Application May 12, 1936, Serial No. 79,262
In Great Britain May 18, 1935
9 Claims. (Cl. 84—240)



1. In a piano having the action below the level of the keyboard and in front of the iron frame, the combination with an action and a key of a connection between the key and the wippen of the action comprising a rod cranked to slope upwardly and rearwardly over the action.

2,073,362
RETRACTABLE LANDING GEAR
Arthur G. Butler, Eggertsville, and Richard E. Palmer and Samuel T. Payne, Kenmore, N. Y., assignors, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application June 8, 1933, Serial No. 674,812
17 Claims. (Cl. 244—102)



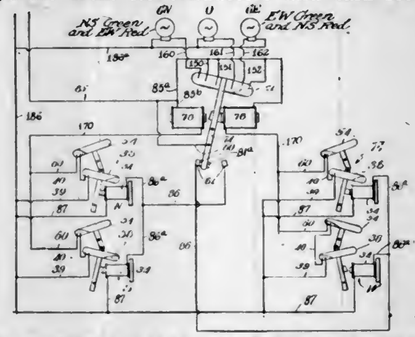
1. In aircraft, a retractable landing gear comprising a fixed length strut hinged to the aircraft, a movable member carried by said aircraft, a variable length strut hinged to said member and to said fixed strut, a connection between said fixed length strut and said movable member, and means for moving said member for effecting extension and retraction of said landing gear, said connection, upon movement of said member, being active to change the effective length of said variable length strut.

2,073,363
BUTADIENYL COMPOUNDS AND PROCESSES FOR PREPARING SAME
Wallace H. Carothers, Fairville, Pa., and Gerard J. Berchet, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 29, 1932, Serial No. 640,326
14 Claims. (Cl. 260—33)

1. In the process of forming butadienyl compounds, the step which comprises reacting a halogen-4-butadiene-1,2 with an alkali metal compound of the group consisting of alkali metal phenolates, alkali metal salts of organic acids, alkali metal cyanides and thiocyanates, and alkali metal salts of compounds having a methylene group in which the alkali metal is substituted for a hydrogen atom and which methylene group also has attached to it two carbonyl groups.

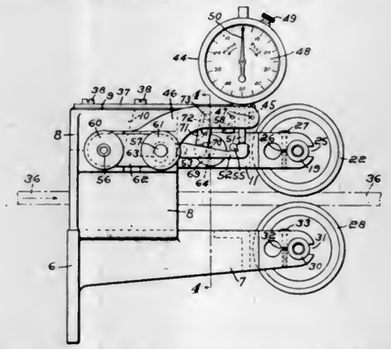
2,073,364
SIGNAL DEVICE
Raymond L. Carr, Boston, Mass., assignor, by mesne assignments, to The Engineering and Research Corporation, New Haven, Conn., a corporation of Connecticut
Application April 23, 1928, Serial No. 272,017
1 Claim. (Cl. 177—337)

A traffic control system for intersecting traffic lanes including in combination an electric right of way signal, a switching means to operate the same to alternately accord right of way to the lanes, a pair of tubes for one of said lanes each containing mercury and having two spaced electrical conductors projecting into the tube, one of said tubes being normally biased in a tilted position to cause the mercury to be out of contact with the conductors, a linkage connecting said one tube with the second tube to cause the mercury in the second tube to be in contact with the conductors therein when the first tube is in its normal biased position, an electric circuit including said conductors in series, means operated by traffic in said one lane to tilt said one tube to an oppositely tilted position to cause said electric circuit to be established thru the conductors and mercury, said one tube upon such tilting operating the linkage to tilt the second tube tending to cause the mercury thereof to separate from its conductors and said second



tube including means retarding such separation of the mercury from its conductors for a time period while said second tube is so tilted, means including said circuit when so established to actuate said switching means to operate said signal to accord right of way to said one lane, means operated by said switching means when right of way is accorded to said one lane and including time delay means to cause said tube to be returned to its normal out of contact position after a time period, said tube adapted to be retilted into its contact making position repeatedly by repeated closely spaced operations of the traffic operated means to maintain said circuit established.

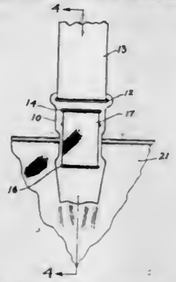
2,073,365
GAUGE
Philip J. Darlington, Cambridge, Mass.; Rebecca T. M. Darlington, executrix of said Philip J. Darlington, deceased, assignor to Robert G. Morse, Marblehead, Mass.
Application February 5, 1931, Serial No. 513,644
26 Claims. (Cl. 33—148)



1. In a gauge, the combination of a frame, a fixed gauging roll supported by said frame, a

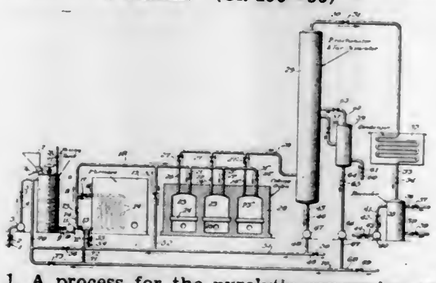
movable gauging roll mounted in said frame directly above said fixed roll, each of said rolls having an annular groove with opposing angular faces adapted to provide contact along four spaced lines with substantially cylindrical material being fed to be gauged.

2,073,366
THIN RUNPROOF GARTER HOOK
Anton Felin, Newark, N. J.
Application November 30, 1935, Serial No. 52,315
2 Claims. (Cl. 24—263)



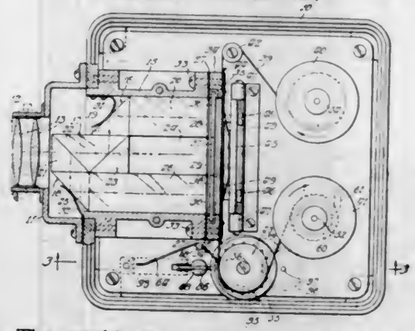
1. In a garter hook the combination of a front sheath member having four transverse slots and having its lower opposite longitudinal edges projecting inward to form a sheath receptacle of downwardly converging wedge form, a hose supporting strap placed through the topmost of said transverse slots; a wedge member of fibrous material having a transverse slot at the upper end of a downwardly converging wedge shaped tongue; a double wedge-member supporting strap both webs of which extend through the second topmost transverse slot of said sheath member, the loop of said wedge member supporting strap extending with one web inwardly through each of the remaining two transverse slots in said sheath member.

2,073,367
CONVERSION AND COKING OF CARBONACEOUS MATERIALS
Alfred Fisher, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 2, 1933, Serial No. 674,002
3 Claims. (Cl. 196—56)



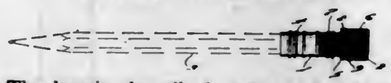
1. A process for the pyrolytic conversion and coking of finely divided solid bituminous material and hydrocarbon oil which comprises adding the solid material to the oil, subjecting the mixture to conversion temperature under substantially non-coking conditions, introducing the heated products into a coking zone wherein the residue is coked in a relatively thin layer upon a highly heated surface, subjecting the vaporous products from the coking zone to fractionation, whereby their components boiling above the range of the desired final light distillate product of the process are condensed and separated into selected low-boiling and higher boiling fractions, subjecting fractionated vapors of the desired end-boiling point to condensation, collecting and separating the resulting distillate and gas and returning the selected low-boiling fractions of the condensate resulting from said fractionation of the vaporous products to further conversion with the charging stock mixture and returning said higher boiling fractions for further treatment direct to the coking zone.

2,073,368
CAMERA
Charles L. Fitz, Chicago, Ill., assignor to Colortone Corporation, a corporation of Illinois
Application March 22, 1934, Serial No. 716,781
9 Claims. (Cl. 95—34)



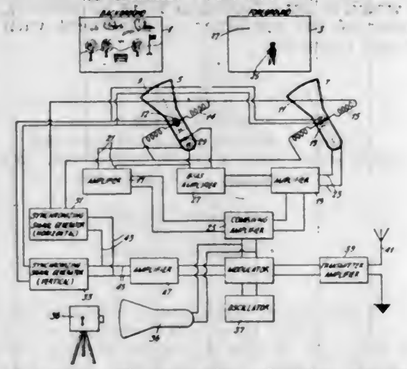
1. The combination with a camera providing means for exposing a limited area of a film to light from an object field, of means for advancing the film to successively expose other areas thereof to said light, means preventing retraction of the film, a member rotatable by the advancing film, means connecting said member and film adapted to prevent movement of the film without correspondingly rotating the member, means automatically operable to lock said member against rotation in either direction upon completing a predetermined amount of rotation, means manually operable to release said locking means and to automatically hold said locking means in released position to permit further movement of the film and corresponding rotation of the member, said locking means operating automatically to stop the member upon its further rotation by said predetermined amount, and means operable by the rotation of the member to indicate the total number of said completed rotative movements thereof.

2,073,369
ERASER ATTACHMENT FOR LEAD PENCILS
John S. Furst, Philadelphia, Pa.
Application September 28, 1933, Serial No. 691,290
Renewed August 14, 1936
3 Claims. (Cl. 120—38)



1. The herein described new article of manufacture, comprising a ferrule having at its outer end an eraser receiving portion, said ferrule being of substantially the same internal diameter throughout its length, said ferrule terminating at its outer end in a laterally extending annular flange, and an eraser having a cylindrical erasing portion of substantially uniform diameter, flat at its outer end, and having a shank of reduced diameter to enter the eraser receiving portion of the pencil, the reduced diameter of said shank forming a laterally extending shoulder of substantially the same area as that of said flange, which latter forms an abutment to prevent abnormal flexing of the erasing portion during the erasing operation and the diameter of said erasing portion being substantially the same as the outside diameter of said annular flange and being materially greater than that of a pencil to be received in said ferrule.

2,073,370
TELEVISION SYSTEM
Alfred N. Goldsmith, New York, N. Y., and Thaddeus R. Goldsborough, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application November 1, 1932, Serial No. 640,616
25 Claims. (Cl. 178—6)



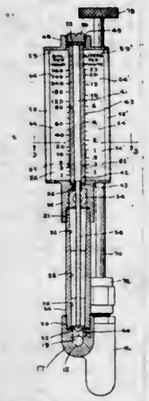
1. A system of composite television comprising means for producing two different series of signals by simultaneously and independently scanning at least two object areas, means for patching together the series of signals representative of the two object areas scanned, and means for nullifying the signal output intensity of one of the series of signals under the control of the signals of the other series during time periods when signals in the controlled series are produced simultaneously with signals in the controlling series.

2,073,371
ELECTRODE FOR WELDING
Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application July 16, 1936, Serial No. 90,866
4 Claims. (Cl. 219—4)

2. A welding electrode formed of an alloy containing 0.02 to 0.5% silver, the balance copper.

2,073,372
FLUID METER FOR GAS ADMINISTERING MACHINES
Jay A. Heidbrink, Minneapolis, Minn.
Application October 23, 1933. Serial No. 694,818
2 Claims. (Cl. 73—209)

1. A fluid meter for gas administering machines comprising a tube leading from a supply of gas under pressure, an upwardly turned extension joined to the delivery end of said tube, said extension containing a chamber communicating with said tube through an opening, a needle valve for controlling passage of gas through said opening, a nut closing the upper end of said chamber, a stem for said valve threaded through said nut, a hand wheel on the upper end of said stem, a hollow boss in communication with said chamber formed laterally on said extension, said boss having a vertical passageway, a valve seat in said passageway, a tubular member having its lower end threaded in to the upper end of said boss, a hollow casting into which the upper end of said tubular member is threaded, a discharge tube leading from said hollow casting, an upward extension carried by said hollow casting and having a portion substantially semi-circular in cross



section, vertical side flanges on said upward extension, a boss on the upper end of said extension, said boss having an internally threaded opening, a transparent tube extending down from the lower portion of said opening and having gas tight connection with said hollow casting, a nut threaded into said opening for closing the upper end of said transparent tube in gas tight manner, a rod-like indicating member in said tubular member and said hollow casting adapted to move upwardly into said transparent tube, a head on the lower end of said rod like member adapted to rest upon said valve seat and prevent backward flow of gas, and scale members positioned upon said side flanges, said scale members carrying calibrations representing the volume of gas supplied to the patient in a given time and with which said indicating member is adapted to register.

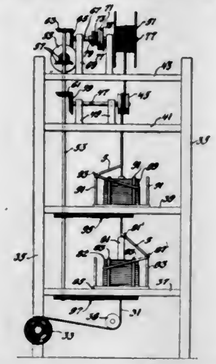
2,073,373
TRAP
Albert C. Kahn, Tomahawk, Wis.
Refiled for abandoned application Serial No. 265,355, March 28, 1928. This application April 20, 1936, Serial No. 75,500
4 Claims. (Cl. 43—61)



1. In a device of the character described, a casing having a plurality of entrances thereto, means for blocking said entrances, means for retaining said first mentioned means in open

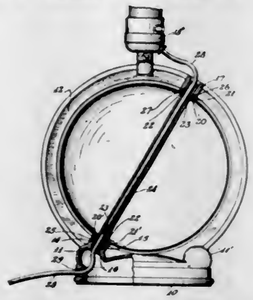
position until actuated by pressure to release the same, and means operable with said first mentioned means for maintaining the same in closed position, all of said means being operable by gravity to assume their original position, whereby said device may be set by turning it over and then righting it.

2,073,374
METHOD OF MAKING BELT LACER JOINING PINS
Frank W. Knott, Detroit, Mich.
Application September 27, 1935, Serial No. 42,468
12 Claims. (Cl. 154—2)



1. The method of making a belt-lacer coupling pin which comprises wrapping a fibrous core with a plurality of overlapping layers of impregnated tape in a spiral manner, said layers being disposed in oppositely wound relation, and exuding a portion of the impregnating fluid therefrom whilst molding it to harden the exuded fluid and form a pin of the desired conformation.

2,073,375
LAMP BASE
Harry M. Laxer, New York, N. Y., assignor to Idealite, Inc., New York, N. Y., a corporation of New York
Application July 2, 1936, Serial No. 88,532
2 Claims. (Cl. 240—2)



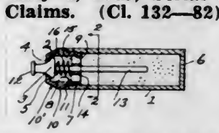
1. A device of the character described, comprising a base, a ring-like frame upstanding therefrom, bosses formed on diametrically opposite portions of said frame, a sleeve disposed within said bosses, a globe having axial apertures mounted for rotation on said sleeve, a lamp socket mounted on said frame and wire leads passing from said socket through one boss, through said sleeve and thence through the other boss.

2,073,376
SINGLE DELIVERY DISPENSING CONTAINER
William S. Luckett, New York, N. Y.
Application April 27, 1935, Serial No. 18,644
3 Claims. (Cl. 206—41)



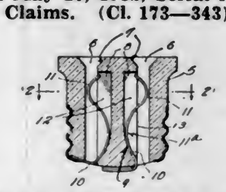
1. A single delivery dispensing case for cigarettes or the like comprising a container of flat material bent to form a substantially rectangular shell with side walls longer than its end walls, one end of said material which forms a part of one of the end walls being bent inwardly intermediate the side walls and parallel therewith to form a web slightly wider than the cross-sectional dimension of the articles to be dispensed to sub-divide one end of the container into longitudinal channels, the other end of the material overlapping the part of the first mentioned end near the bend therein which forms the web to form therewith a substantially flat end wall, and end closures for the containers, one of which is constructed to form an opening in a corner of the container in alignment with one of said channels.

2,073,377
DISPENSER
John T. Morris, Los Angeles, Calif.
Application May 3, 1935, Serial No. 19,681
2 Claims. (Cl. 132—82)



1. A dispenser comprising a container formed with an internal thread in its mouth end, a cap for said end of said container formed with an external thread, for engaging said internal thread, and with an external shoulder at the inner end of said external thread for engaging the edge of said mouth end of said container, said cap being provided with an outlet, an outwardly-tapered valve, for controlling said outlet, formed with a head on its outer end for depressing said valve off its seat to open said outlet, a valve stem projecting from said valve, a slide bearing mounted in said cap, in which bearing said stem is slidably mounted, and a spring between said valve and said bearing for normally holding said valve on its seat closing said outlet.

2,073,378
ELECTRICAL CONNECTER
Gunner Olson, Chicago, Ill.
Application May 10, 1932, Serial No. 610,359
2 Claims. (Cl. 173—343)



1. An electrical socket of the type described having a pair of spaced apart slots extending longitudinally through the socket, these said slots being rectangular in cross section and parallel

with each other longitudinally, a dividing wall between the said slots, the said dividing wall having a recess portion either side thereof communicating from a slot inwardly toward the other slot, said recess portions extending downwardly from a position spaced apart from the entry ports of the said slots, the said recess portions being of lesser width than the slot wall which is recessed, seated in each recess a resilient member substantially ogee shaped in formation having its individual attachment to an external contact member on the socket, the width of said resilient member being slightly less than the recess portion of its channel and having a free terminal portion adapted to sink into a recess portion when pressure is brought to bear upon it, there being a portion normally extending into its communicating slot, and means in the lower portion of each recess to automatically intensify the force of the resilient member upon a plug prong.

2,073,379
STENCIL DEVICE
Clarence H. Rasmussen, Des Moines, Iowa
Application February 21, 1935, Serial No. 7,523
1 Claim. (Cl. 101—127)



A stencil device in the general form of an apparel stocking, made of thin rubber of such size and degree of elasticity as to be capable of being applied to a leg and foot in the manner in which an apparel stocking is applied and when thus applied be enlarged and stretched to such an extent as to tightly fit a wearer's leg, the inner surface thereof being smooth to thereby cause the stencil to form a liquid tight connection with a wearer's leg, the stencil device being formed with openings to define a pattern and whereby the stencil device may be applied to a leg and liquid dye applied to the outer surface of the stencil to form a reproduction of the stenciling pattern on the leg.

2,073,380
SLIDE-OPERATED SEPARABLE FASTENER
Leo Roseman, Newark, N. J.
Application January 6, 1934, Serial No. 705,523
14 Claims. (Cl. 24—205)

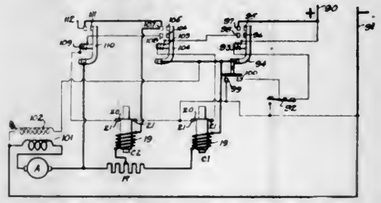


1. A fastener tape for separable fasteners of the slide-operated type, comprising a carrier tape, and a stringer unit including a separate cord and a plurality of fastener elements clamped only on said cord in tight peripherally embracing relation thereto and in spaced relation to each other, said cord being connected to said carrier tape solely by stitches penetrating both the cord and the tape.

2,073,381
LAUNDRY IDENTIFICATION
Francis M. Sell, Cincinnati, Ohio, assignor to The National Marking Machine Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application April 24, 1935, Serial No. 17,996
4 Claims. (Cl. 40—1)

1. An improvement in the art of invisible identification of fabrics which consists in separately applying to the fabric two liquid components of an ink, one of which is applied in the form of the desired identification mark, said components having such characteristics that when thus united within a fabric the reaction between these two components will result in the formation of a substance normally invisible but which will become luminescent or otherwise visible under the action of radiant energy, and which substance is of such character that when thus applied to a fabric it will become so fixed within or between the fibers of the fabric as to withstand a laundering or dry cleaning process.

2,073,382
MOTOR CONTROL SYSTEM
Lev A. Trofimov, Cleveland Heights, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 17, 1934, Serial No. 716,198
6 Claims. (Cl. 172—288)

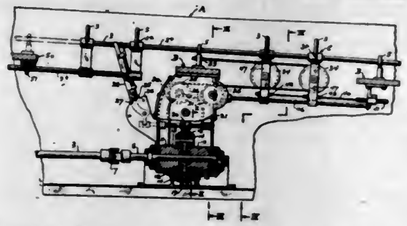


1. In a system for controlling an electric work circuit, current controlling means in said work circuit, shunting means for shunting said current controlling means, contacts for controlling said shunting means, and means responsive to a rise in current in said work circuit for quickly moving said contacts from a normal position, said means being operative for retarding movement of said contacts to a position making effective said shunting means with respect to said current controlling means whereby a time delay is effected, and being responsive at all times to any substantially continuous current in said work circuit for retardation thereby to render said retardation and resultant time delay dependent at each instant of retarded movement upon the amount of current flowing in said work circuit during the particular instant.

2,073,383
LIFEBOAT PROPELLING MECHANISM
Clarence W. Allen, San Francisco, Calif.
Original application February 24, 1936, Serial No. 65,452. Divided and this application July 18, 1936, Serial No. 91,422
4 Claims. (Cl. 74—136)

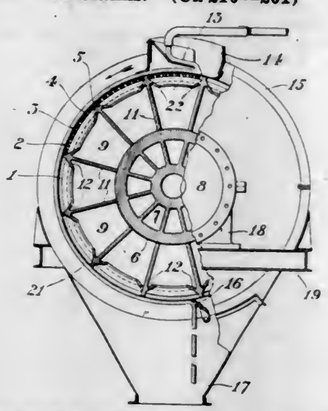
1. In a drive of the character described a propeller shaft, a pair of drums arranged longitudinally of the shaft and freely rotatable thereon, a disc secured to the shaft between the drums, a ratchet gear on each drum adjacent the disc, a pair of pawls pivotally mounted on each side of the disc and engageable with the ratchet gears,

means for intermittently rotating each drum first in one direction and then in the other and each drum in opposition to the other, and means for



selectively holding one pawl of each pair out of engagement with the ratchet gears and the other pawl of each pair in engagement to cause rotation of the propeller shaft in either direction.

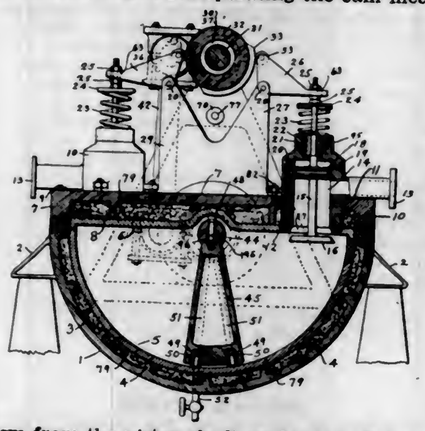
2,073,384
FILTER
August J. Barnebl, Chicago, Ill., assignor, by mesne assignments, to Oliver United Filters Incorporated, San Francisco, Calif., a corporation of Nevada
Application May 13, 1932, Serial No. 611,108
10 Claims. (Cl. 210—201)



1. In a rotary drum filter having the usual filter sections, filter valve and filtrate passages between said sections and valve, inwardly directed drainage traps formed intermediate said sections and valve.

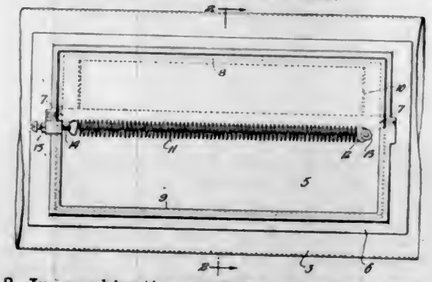
2,073,385
OSCILLATING POPPET VALVE ENGINE
Robert H. Blocker, San Francisco, Calif.
Application September 24, 1935, Serial No. 41,942
6 Claims. (Cl. 121—97)

3. An engine of the class described comprising in combination, a body having supporting means therefor, a cylinder in the body and spaced internally therefrom, a shaft passing longitudinally through the cylinder and bearingly mounted thereon, a hollow piston mounted on the said shaft and adapted to radially swing therewith the shaft at its central portion, poppet valves mounted on and directly connected with the cylinder for admitting and exhausting the pressure medium therefor, sealing means on the piston, an auxiliary shaft, means for supporting the auxiliary shaft, crank members and connecting rods for the shafts and adapted to operatably connect the same, cam mechanism for operating the valves, means for adjustably controlling the cam mechanism, means for operating the cam mech-



anism from the piston shaft, and means for controlling the movement of the auxiliary shaft.

2,073,386
DAMPER EQUIPMENT
Hal M. Cunningham, Portland, Oreg.
Application April 15, 1935, Serial No. 16,284
2 Claims. (Cl. 236—45)

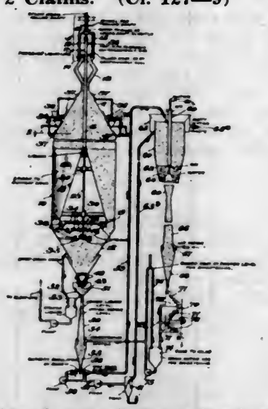


2. In combination with an apertured flue, a damper including a gate, a pivot mounting the gate in the flue aperture on an axis located to provide differential gate areas at opposite sides thereof, the gate further being arranged for movement on its pivot toward open position under the influence of air entering the flue through its aperture, the gate being counterbalanced to a condition of approximate weight balance about the pivot axis, and spring means reacting against the gate and urging the gate to move on its pivot toward closed position, the force of reaction of the spring being substantially uniform throughout the range of gate movement between full open and full closed positions.

2,073,387
ART OF MAKING COLORED SLIDES AND THE LIKE
Albert P. d'Andrea, Brooklyn, N. Y.
No Drawing. Application September 24, 1936, Serial No. 102,330
8 Claims. (Cl. 41—33)

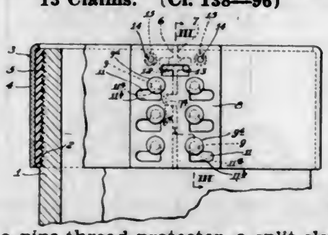
1. The method of transferring a colored image formed by ink or pigment on a fibrous foundation onto a second foundation which comprises coating the second foundation with an adhesive capable of adhering more strongly to the image than it does to the fibrous foundation and without causing the image to run, heating the adhesive on the second foundation until it appears to come to a boil in about a minute, to substantially eliminate a large part of a volatile solvent therein, promptly pressing the image and its fibrous foundation against the hot adhesive, removing the fibrous foundation without injuring the image and leaving the image retained by the adhesive on the second foundation after the adhesive has set.

2,073,388
MEANS FOR TREATING LIQUIDS
Roy D. Elliott and Mary J. Elliott, Crockett, Calif.
Application August 21, 1933, Serial No. 686,130
2 Claims. (Cl. 127—9)



1. Apparatus for continuous treatment of a sugar sirup or other liquid with boneblack or other granular material to filter and to purify the liquid, said apparatus comprising an elongated vertical casing having a top adapted to be continuously supplied with granular material during operation of the apparatus, means at the bottom of the casing for discharging granular material therefrom, liquid outlet means in the upper portion of the casing but below the top, an open bottomed chamber within the casing adjacent but above the bottom thereof, said chamber being adapted to form a pocketed upwardly presented filtering face in the body of granular material in the casing, a liquid inlet line running to said chamber, a rotatable vertical shaft running from above the casing through the chamber and means operable by the shaft for moving granular material from the pocketed face formed by the chamber.

2,073,389
PIPE THREAD PROTECTOR
Birger Engstrom, Pittsburgh, Pa.
Application June 18, 1936, Serial No. 85,937
13 Claims. (Cl. 138—96)



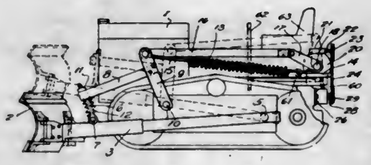
1. In a pipe thread protector, a split sleeve, an axially adjustable lock plate for releasably holding the ends of the sleeve together, a pin secured to each end of said sleeve, and an L-shaped slot in said plate for receiving each of said pins, the horizontal legs of said slot extending in opposite directions.

2,073,390
TOILET
Catherine T. Giblette, Detroit, Mich.
Application October 19, 1932, Serial No. 638,589
11 Claims. (Cl. 4—137)



1. In a toilet provided with a vessel having a flange around its periphery, the combination of a housing provided with a chamber having an opening in one of its sides, said housing being provided with a recess for receiving the flange of said vessel, said housing being provided with recesses adjacent the flange of said vessel to permit the insertion of a portion of a hand of a person therein to lift said vessel, said housing being further provided with a plurality of recesses, a flexible cover member provided with extension portions fitting in the recesses of the housing, said cover member extending over the vessel, said cover member contacting the flange of said vessel, a cover hinged on said housing, said cover being provided with an extension portion for compressing said flexible cover member against the flange of said vessel when said cover is in its closed position, and hinge members connected to said cover and said housing, said hinge members being foldable below the upper surface of said housing, said hinge members being adapted for use as arm rests.

2,073,391
EARTH SCRAPER
John H. Greene, Spokane, Wash.
Application February 11, 1936, Serial No. 63,440
4 Claims. (Cl. 37—144)



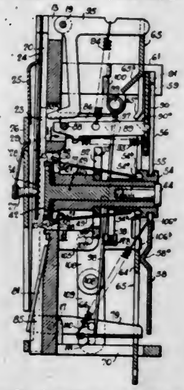
1. In combination with a tractor, a scraping blade in front of said tractor, bars extending rearwardly from said blade and pivotally mounted at sides of the tractor, stems rising from said bars and having threaded upper end portions, levers pivotally mounted at opposite sides of the tractor back of said stems, arms projecting forwardly from said levers and slidably fitting about said stems, the stems being shiftable vertically through the arms, springs coiled about the stems between the arms and lower ends of the stems for resisting upward movement of the stems through the arms and absorbing shocks, nuts threaded upon the upper ends of said stems and engaging said arms to compress and tension said springs, means for shifting the levers rearwardly to vertically adjust the bars and blade, and resilient means for yieldably resisting forward movement of the levers.

2,073,392

ADJUSTABLE CHECK TESTING APPARATUS

Aaron A. Knee, Charlotte, N. C., assignor to Vanak Corporation, Charlotte, N. C., a corporation of North Carolina

Application July 20, 1935, Serial No. 32,420
15 Claims. (Cl. 194—97)



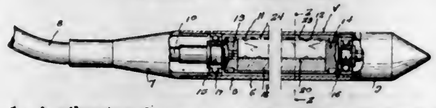
1. In a check testing apparatus, means for testing the surface configuration of an inserted check, means for testing the diameter of the check, means for applying pressure to the check to press it against the surface configuration testing means, means for testing the thickness of the check, means controlled independently by each of said means for disposing of said check, and means settable at will and movable by the pressure applying means into the path of the diameter measuring means for holding the same in a position to cause the check to pass the test imparted thereto by the diameter measuring means even though it is of a predetermined oversize.

2,073,393

VIBRATOR FOR CONCRETE WORK

Arthur W. Mall, Chicago, Ill.

Application November 30, 1934, Serial No. 755,462
7 Claims. (Cl. 259—1)



1. A vibrator for concrete work comprising an elongated cylindrical casing adapted to be totally immersed in the concrete work, an elongated rotor supported internally of said casing including a cylindrical hollow housing, an elongated weight in said housing extending the full length thereof and located entirely at one side of the axial center thereof, and a reinforcing plate extending across the housing and anchored thereto and fitted against said weight.

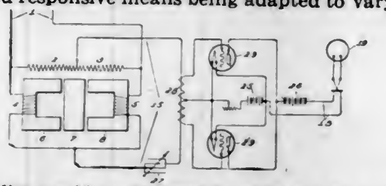
2,073,394

APPARATUS FOR THE CONTINUOUS MEASUREMENT AND TELEMETERING OF MECHANICAL POWER

Charles W. MacMillan, Denver, Colo.

Application December 6, 1934, Serial No. 756,225
6 Claims. (Cl. 265—25)

4. An apparatus for the continuous measurement and telemetering of mechanical power comprising; a Wheatstone bridge circuit mounted on a rotating shaft; an electrical circuit of substantially constant voltage; brush and slip ring means for conducting the current of said last circuit to said Wheatstone bridge circuit; means for varying the electrical balance of said bridge circuit by a torsional deflection of said shaft; a variable coupling in circuit with said bridge circuit; speed responsive means mounted on said shaft and actuated by centrifugal force; said speed responsive means being adapted to vary the



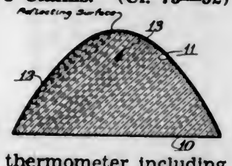
coupling; said centrifugal force being in proportion to the square of the angular velocity of said shaft; a telemeter circuit; brush and slip ring means for conducting the current from said coupling to said telemeter circuit; vacuum tube amplifying means in said telemeter circuit; an indicating meter in said circuit for sensibly indicating the mechanical power transmitted by said shaft.

2,073,395

THERMOMETER

Bradford Noyes, Jr., Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York

Application April 23, 1936, Serial No. 75,980
3 Claims. (Cl. 73—52)



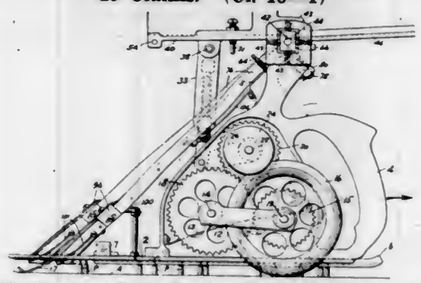
2. A glass thermometer including a bulb containing a thermosensitive liquid, an indicating capillary tube connected to said bulb and having a bore therein communicating with said bulb, said tube having a parabolic rear surface and a flattened reading surface, said bore being located at approximately the focus of said parabolic surface, and reflecting material on a substantial portion of said parabolic surface.

2,073,396

WASHER DISTRIBUTING MECHANISM

Alfred M. Scholz, Trenton, N. J., assignor, by direct and mesne assignments, to Trent Machine Company, Inc., Trenton, N. J., a corporation of New Jersey

Application September 4, 1934, Serial No. 742,682
In Great Britain September 8, 1933
19 Claims. (Cl. 18—1)



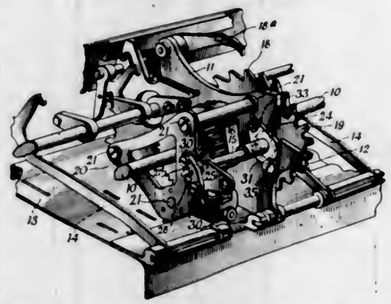
19. In a machine for locating washers on pins the combination of a frame, a finger for conducting washers to pins, an oscillating hopper arranged to supply washers to the finger, and means for oscillating said hopper comprising a crank and a link connecting said hopper and crank, said link being extensible against the resistance of a spring during passage of said crank over dead center.

2,073,397

SHAFT MOUNTING FOR WRITING-COMPUTING MACHINES

Elmer L. Wise, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application October 19, 1935, Serial No. 45,706
2 Claims. (Cl. 308—24)



1. The combination with toothed members adapted for interengagement; of means to removably and adjustably support one of the toothed members in proper meshing engagement with the other, including a rotatable shaft; spaced supports therefor, having seats formed therein with open throats of less diameter than the seats, leading therefrom to enable insertion and removal of the shaft relatively to the seats; a self-locking bearing in which the shaft is journaled, the bearing insertable in and removable from its seat through one of the throats, with the shaft, and rotatable in its seat relatively to the shaft; a second bearing spaced apart from the first-named bearing and being a floating bearing of greater diameter than the throat leading to its seat, and axially applied to and removed from the shaft and its corresponding seat; apertured non-circular flanges on the respective bearings; means to secure the flanges to their respectively adjacent supports; and a headed clamping device carried by the support adjacent the self-locking bearing, the flange of the self-locking bearing adapted to enter the space between the head of the clamping device and its support, when the bearing is rotated to locking position, to be held in place by the clamping device.

2,073,398

ACTIVATED MAGNESIUM HYDROXIDE AND METHOD OF MANUFACTURE

Heinz H. Chesny, San Mateo, Calif., assignor to Marine Chemicals Company, Ltd., San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 26, 1934, Serial No. 759,244
3 Claims. (Cl. 23—201)

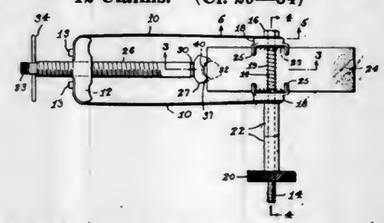
1. In a process of the character described, forming a suspension of hydrous magnesium hydroxide with water, atomizing the suspension, and causing the atomized particles to be contacted for a short period of time with a hot drying gas to form a dry magnesium hydroxide powder.

2,073,399

BRAKE LINING TIGHTENER

Arthur L. Cornwell, Wellsville, N. Y.

Application June 6, 1936, Serial No. 83,909
12 Claims. (Cl. 29—84)



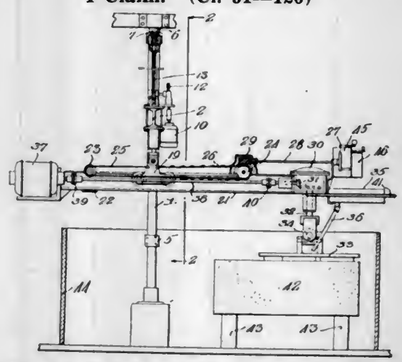
1. A brake lining tightener comprising a pair of jaws, means supporting the jaws for relative movement toward and from each other and extending to a point remote from the jaws, the jaws having two series of opposed teeth extending longitudinally of said means and projecting inwardly beyond the jaws for engaging opposite edges of a brake lining mounted on a brake shoe, means for causing relative movement of the jaws toward each other to bring said teeth into gripping engagement with said opposite edges of the brake lining, means having its front face constructed to locate and hold it in fixed abutting position against one end of the shoe, and power means cooperating with the first and last named means for drawing the brake lining longitudinally toward said end of the shoe.

2,073,400

STONE POLISHING MACHINE

William G. Cumming, Barre, Vt., assignor to Granite City Tool Company, Barre, Vt., a corporation of Vermont

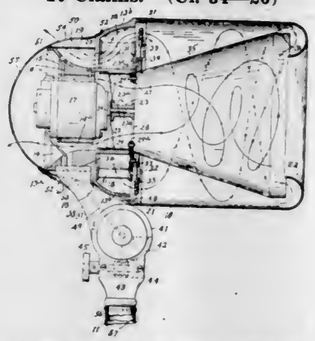
Application February 18, 1936, Serial No. 64,431
1 Claim. (Cl. 51—126)



A stone polishing machine comprising a normally fixed overhead carrier, a substantially vertical sleeve having its upper end fixedly secured to the carrier, a freely rotatable swivel shaft within the sleeve, antifriction bearings for the swivel shaft disposed within the sleeve adjacent the opposite ends of the latter, one at least of said bearings being constructed and arranged to support the weight of the swivel shaft and parts carried by the latter, a support, and a pivotal connection so uniting the support to the lower end of the swivel shaft as to permit the support to tilt about a horizontal axis, a beam structure including a pair of substantially parallel rigidly connected channel members each having its flanges directed inwardly toward the other

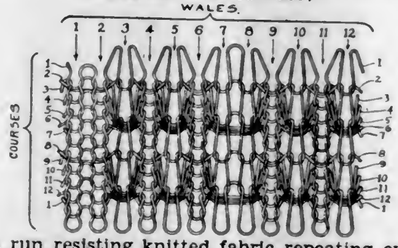
channel member, two pairs of rollers mounted on the support, said pairs of rollers being disposed between the flanges of the respective channel members, bearing means adjacent to one end of the beam structure for a normally vertical polishing wheel shaft, a polishing wheel on the lower end of the latter shaft, means adjacent to the opposite end of the beam structure for supporting a driving motor, drive connections extending longitudinally of the beam structure from the motor to the polishing wheel shaft, and manually actuated means, reacting between the support and beam structure whereby the latter may be moved longitudinally relative to its support.

2,073,401
DRIER
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 11, 1932, Serial No. 610,615
10 Claims. (Cl. 34—26)



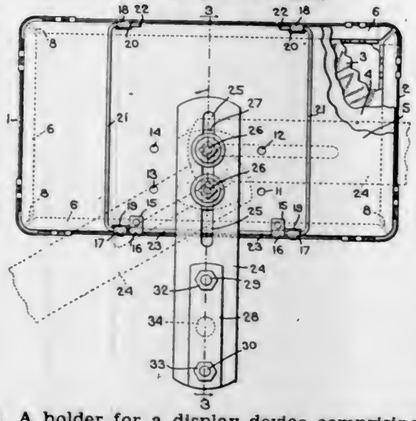
5. In a drier of the character described, a head having means forming a passage and extending substantially from one end of the head to the other end thereof, and means forming a second passage of substantially the same length but separate from said first named passage and substantially surrounded thereby, a fan arranged in said first named passage for drawing air into the same, a fan arranged in said second named passage for forcing air outwardly thereof, said fans being concentrically mounted, and means for deflecting air passing through said first named passage into said second named passage.

2,073,402
KNITTED FABRIC
Harry Fleisher, Watertown, Conn., assignor to Princeton Inc., Watertown, Conn., a corporation of Connecticut
Application February 19, 1936, Serial No. 64,667
1 Claim. (Cl. 66—169)



A run resisting knitted fabric repeating every six courses and every twelve wales, which comprises a yarn knitted in each of said wales in the first course, a yarn tucked in two wales, knitted, tucked, knitted, tucked, knitted in two wales, tucked, knitted, tucked and knitted in that order, in the said twelve wales of the second course, and four yarns, one in each of the third, fourth, fifth and sixth courses, knitted in two wales, tucked, knitted, tucked, knitted, tucked in two wales, knitted, tucked, knitted and tucked, in that order, in the said twelve wales of said four yarns.

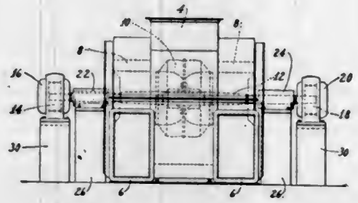
2,073,403
DISPLAY DEVICE
Abraham G. Goldberg, Quincy, Mass.
Application November 23, 1935, Serial No. 51,235
7 Claims. (Cl. 40—125)



1. A holder for a display device comprising a rectangular frame of angle construction presenting a face flange and a peripheral flange, a transparent pane mounted in said frame, a backing plate fitting within said frame having at its lower end tabs provided with eyes, complementary tabs having eyes mounted on the inner lower side of said frame adjacent to the tabs upon said backing plate, other tabs mounted upon the upper side of said frame, locking bars extending transversely of said frame having ends bent at right angles thereto, one of said ends slidably extending through and well beyond the lower complementary tabs of said backing plate and frame, and the other of said ends slidably extending a relatively short distance through the tabs at the upper end of said frame, whereby said locking bars will hold the backing plate locked to said frames when engaging the eyes of both sides of said frame, but upon sliding of the locking bars lengthwise of said frame the shorter ends of said locking bar may be detached from their tabs, while the longer ends of said locking bar provide a pivotal connection between said backing plate and said frame permitting the frame to be opened for the introduction and removal of the display device.

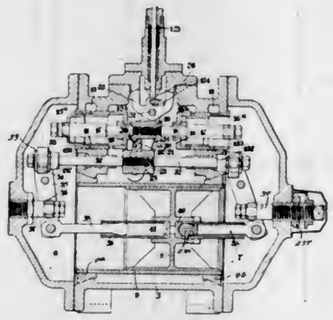
2,073,404
MOTOR AND DRIVEN ELEMENT ASSEMBLY
James C. Hobbs, Painesville, Ohio, assignor to B. F. Sturtevant Company, Boston, Mass., a corporation of Massachusetts
Application January 6, 1932, Serial No. 585,147
Renewed July 15, 1936
2 Claims. (Cl. 230—117)

2. The combination with a fan having a rotating fan wheel and a casing which encloses the fan wheel, of a single shaft to which the fan wheel is centrally secured, a high speed motor and a low speed motor each having a stator and a rotor, the two rotors being secured at opposite ends of the shaft, a single pair of bearings in which said shaft is journaled and disposed respectively between the casing and the motor stators so that



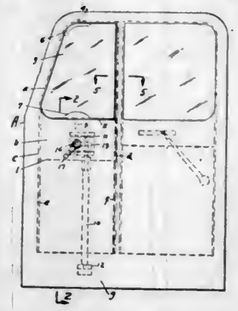
the rotors overhang the bearings, bearing pedestals independent of said casing and forming the sole supports for said bearings, and supports for the motor stators independent of the bearing pedestals and having guides to provide for adjustment and removal of each stator longitudinally of the shaft.

2,073,405
LIQUID METER
Frank Horton, Balham, London, England, assignor to Foreign Rights (Precision Meters) Limited, London, England
Application July 15, 1935, Serial No. 31,499
In Great Britain August 31, 1934
11 Claims. (Cl. 73—251)



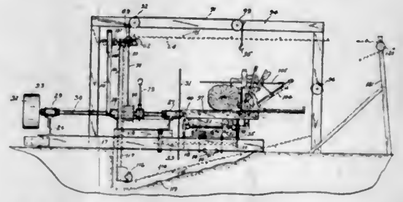
1. A liquid meter wherein the measure of the liquid is in accordance with the displacement of a pressure responsive element actuated by the pressure of the liquid comprising a pair of chambers, a cylinder located between and communicating with said chambers, a piston reciprocating in said cylinder, valve means controlling the flow of liquid into and from said chambers, snap action means including means delaying its operation after reaching the dead centre position, said snap action means actuating the valve means at low pressures and means located between the piston and said snap action means for actuating the snap action means and being capable of actuating the valve means independently of the snap action means when the meter is operating at high pressures.

2,073,406
DUPLEX WINDOW OPERATING DEVICE
Elmer J. Kirchoff, Detroit, Mich.
Application March 5, 1934, Serial No. 714,047
12 Claims. (Cl. 296—44)



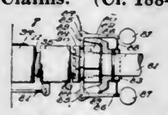
1. A window operating device adapted for producing vertical and lateral adjustment of a pivoted window pane within a supporting window panel frame and used in combination therewith, said window panel frame being slidably mounted within supporting window frame slides, comprising pivot and pivot shaft means for pivotally mounting said window pane within the panel frame opening, said pivot shaft having an auxiliary operating gear mounted therein, a rotatable power unit mounted on the window frame adjacent the panel section, said power unit having means for causing rotations of its operating units, lifting operating mechanism actuated by said rotatable power unit mounted on the window frame and connected operatively with the window panel in a manner for raising and lowering same within the window slides, an operating gear mounted on the power unit positioned to engage operatively with the auxiliary operating gear of the pane pivot shaft when the window panel is in its extreme raised position.

2,073,407
LOG SAWING RIG
Charles E. Knapp, Chardon, Ohio, assignor to The Kent Machine Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application April 19, 1935, Serial No. 17,309
4 Claims. (Cl. 143—43)



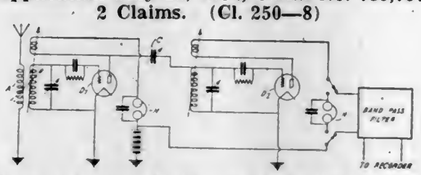
1. In a portable sawmill, a rigid sub-frame of structural steel elements, a husk mounted upon and permanently connected to said sub-frame, an intermediate track section also supported upon and permanently connected to the sub-frame, further track sections adapted to be detachably connected with said intermediate track section, said sub-frame having side members which approach each other and are joined together at one end of the frame, and traction wheels removably connected with the sub-frame near the opposite end thereof.

2,073,408
ONE-WAY BRAKE OR CLUTCH
Isaac W. Litchfield, Boston, Mass., assignor to William C. Starkey, Indianapolis, Ind., and Raymond S. Pruitt and Walter H. Beal, Chicago, Ill., trustees
Application July 29, 1930, Serial No. 471,476
Renewed July 25, 1936
26 Claims. (Cl. 188—30)



1. In a device of the character described, the combination of a rotatable element and a clutch associated therewith, said clutch including a helical member embracing and normally out of contact with said rotatable element, and shiftable means including an axially shiftable prehensile member for initiating operation of said helical member.

2,073,409
SIGNALING SYSTEM
John P. Shanklin, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 18, 1934, Serial No. 735,767
2 Claims. (Cl. 250—8)



1. In a device of the class described a source of modulated oscillations, a receiving circuit including two cascaded stages of oscillating demodulators, means for so applying energy from said oscillation source to the first of said demodulators as to cause its frequency to lock in step with the modulated oscillations, and means for so combining the output energies from the two said demodulators as to produce beat notes of different frequencies depending upon the characterization of the modulations from the first said source.

2,073,410
ABSORBENT PACKAGE OR PAD
Errold B. Thomas, Newton, Mass., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Refiled for abandoned application Serial No. 77,786, December 26, 1925. This application October 9, 1934, Serial No. 747,594
3 Claims. (Cl. 128—290)

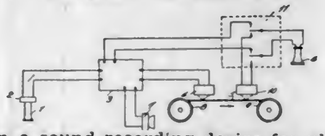


2. An absorbent pad particularly adapted for use in a sanitary napkin, comprising a generally elongated, flattened pad of absorbent cellulosic material, the pad being formed of a plurality of relatively superposed sheets of said material and being provided with a slit-like formation extending generally longitudinally of the pad, said slit-like formation serving to cause the area of absorption in the pad to be elongated longitudinally of the pad from a localized area of fluid application disposed more or less centrally of the pad.

2,073,411
PROCESS OF PRODUCING THIN EGG WHITE
Arnold K. Balls, Washington, D. C., and Theodore L. Swenson, Chevy Chase, Md., dedicated to the free use of the Public of the United States of America
No Drawing. Application March 6, 1934, Serial No. 714,276
3 Claims. (Cl. 99—113)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of treating fresh egg white which comprises mixing a proteolytic enzyme with the fresh egg white, maintaining the mixture at a temperature favorable to the enzyme action until the thick portion of the egg white is thinned to a desired consistency.

2,073,412
DEVICE FOR RECORDING SOUND ORIGINATING IN THE HUMAN BODY
Bruno Cappelli, Sasso Pisano, Pisa, Italy
Application March 31, 1933, Serial No. 663,674
In Germany April 23, 1932
2 Claims. (Cl. 179—100.2)



1. In a sound recording device for physiologic and pathologic noises of the human body, a stethoscope, a microphone mounted thereon, an amplifier connected with said microphone, a recording magnet connected with said amplifier, a magnetizable medium, means for moving said medium past said recording magnet so as to magnetize it corresponding to the vibrations of the microphone, a magnetic reproducing assembly, arranged adjacent said recording magnet to be continuously operated by said magnetized medium, a speaker and a switch for alternatively connecting said speaker with said amplifier and said reproducing assembly.

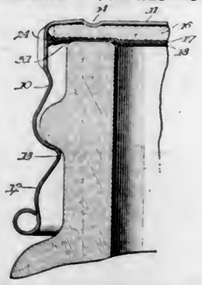
2,073,413
DRILLING FLUIDS
Roy Cross and Matthew Forbes Cross, Kansas City, Mo.
No Drawing. Application November 25, 1936, Serial No. 112,761
7 Claims. (Cl. 255—1)

1. An oil well drilling fluid containing as a weighting agent a substantial quantity of zinc chloride.

2,073,414
PROCESS FOR MANUFACTURING COLORED CELLULOSE-ESTER MATERIAL
Henry Dosne, Mulhouse, Haut-Rhin, France
No Drawing. Application June 20, 1934, Serial No. 731,531. In Germany July 1, 1933
4 Claims. (Cl. 18—54)

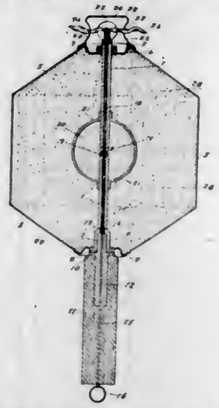
1. A process for producing colored cellulose-ester material, which consists in incorporating into a solution of a cellulose-ester in any of the usual organic solvents an ester-salt of a leuco-vat-dyestuff, the same being first dissolved in an organic solvent completely miscible with the cellulose-ester solution, thereupon mixing such solution with the cellulose-ester solution so as to obtain a homogeneous mass, performing coagulation and the usual after-treatments and developing the dyeing on the regenerated cellulose-ester material by acid oxidation.

2,073,415
CONTAINER CAP, CAP LINER, AND METHOD OF APPLYING LINERS TO CONTAINER CAPS
Edward M. Enkur, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application October 5, 1934, Serial No. 747,045
2 Claims. (Cl. 215—37)



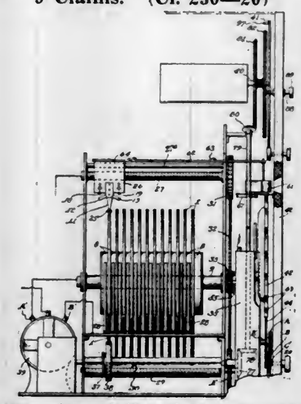
1. In combination, a container cap and a liner, said cap including a top and a skirt provided with inwardly projecting retaining means by which the cap may be secured upon a container, and said liner including a flat backing layer having a body diameter greater than the inner diameter of the retaining means and which is formed of relatively stiff but resilient material so that it may be inserted in the cap past the retaining means without distortion from its normal form, said liner further including a portion having substantial adhesive qualities and adapted to be forced past the edge of said stiff layer of the liner upon the application of pressure thereto so as to engage the cap skirt and hold the liner against movement relative to the cap.

2,073,416
FIRE EXTINGUISHING GRENADE
Gino Finzi, Rome, Italy
Application April 6, 1935, Serial No. 15,125
In Italy March 18, 1935
10 Claims. (Cl. 169—28)



1. A fire extinguishing grenade comprising an approximately bulbous container or casing, an extinguishing charge therein, a tubular rod, a cartridge containing an explosive charge tightly disposed about said rod, said tubular rod being constructed and arranged to constitute the internal axial supporting armature of the whole assemblage of the extinguishing grenade, igniting fuses for the exploding charge coaxially arranged within said rod, an actuating device for one of said fuses also disposed coaxially within said rod, and a second actuating device for the other of said fuses cooperatively arranged therewith coaxial with said rod.

2,073,417
SELECTIVE CONTROL DEVICE
Richard T. Fox and Vernon I. Hullett, Louisville, Ky.
Application May 15, 1934, Serial No. 725,790
9 Claims. (Cl. 250—20)



8. In apparatus of the character described in combination, a radio receiving system and a tuning mechanism therefor, means manually actuated to time said system to a pre-arranged sequence of wave lengths, and means mechanically actuated to tune said system to a corresponding sequence of wave lengths, said mechanical means including a series of discs having peripheral recesses therein, and a travelling brush mounted above said discs, said brush being movable upon a member extending transversely to said discs and passing through said recesses during such movement.

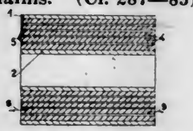
2,073,418
BOW
Nils J. Gille and Eric Hansson, Sandviken, Sweden, assignors to See Fabriks Aktiebolag, Sandviken, Sweden, a corporation of Sweden
Application October 1, 1934, Serial No. 746,456
In Sweden October 5, 1933
1 Claim. (Cl. 273—107.5)



A bow comprising tube parts formed of curved steel stock the width and thickness of which de-

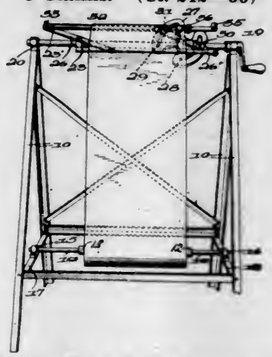
creases towards the outer ends, said parts being D-shaped in cross section, a handle for connecting the inner ends of the bow parts together consisting of an outer sleeve, a cork layer surrounding said sleeve, an inner sleeve D-shaped in cross section, said inner sleeve being introduced into the outer sleeve together with the bow parts, means for firmly connecting one bow part with the handle, the other bow part being adapted to be removably mounted in the handle, and a string connecting the free ends of the bow parts.

2,073,419
RESILIENT JOINT
Maurice Houdaille and Charles Lecler, Levallois-Perret, France
Application January 10, 1935, Serial No. 1,247
4 Claims. (Cl. 287—85)



1. In a resilient joint, inner and outer cylindrical sockets, a rubber body arranged between said sockets, said body being constituted by a plurality of turns of a wound rubber strip, and threads arranged between the turns of the strip and disposed substantially parallel to the axis of the sockets, said threads being freely movable radially and circumferentially of the socket axis under distortion of the rubber body but being inextensible longitudinally of said sockets.

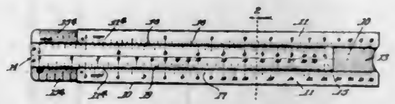
2,073,420
SHEET MEASURING AND CUTTING MACHINE
Joseph Rogers Johnston, Atlanta, Ga.
Application December 20, 1934, Serial No. 758,532
8 Claims. (Cl. 242—56)



3. A machine for winding and cutting paper or like material into sheets comprising a frame, a shaft rotatable in the frame, reel arms rotatable with the shaft and a cutter blade for severing the material into separate sheets extending along one of the reel arms and pivotally supported at one end thereof to swing outwardly to sever the material.

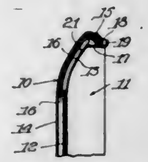
2,073,421
RULE
Joseph Komorous, Riverside, Ill., assignor to Parisian Novelty Company, Chicago, Ill., a corporation of Illinois
Application April 19, 1935, Serial No. 17,317
1 Claim. (Cl. 235—70)

A slide rule comprising a body member formed of celluloid sheet material having a base and having its longitudinal edge portions inturned into spaced relation to form inwardly opening channels, a slide formed of celluloid having a central portion in the same plane as the inturned edge portions of the body, and having downwardly offset lateral portions extending into the channels thereof, said offset portions having extensions at right angles thereto in a plane parallel to the



plane of the base of the body member, whereby the central portion of the slide is provided with substantially subjacent support, said inturned edge portions sloping slightly downwards to provide a free channel except at the inner edges, said inner edges bearing against the lateral portions of the central member, and slide having scales on the exposed faces of said edge portions and said central portions.

2,073,422
BUTTON
Joseph Komorous, Riverside, Ill., assignor to Parisian Novelty Company, Chicago, Ill., a corporation of Illinois
Application January 18, 1936, Serial No. 59,767
1 Claim. (Cl. 40—1.5)

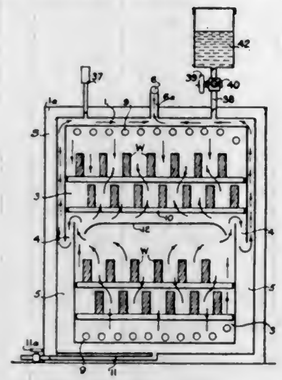


A device of the character set forth comprising a rim portion having a front inwardly extending flange receding toward the rear of said rim portion, a flexible member in said rim portion bearing display matter exposed to view through the opening in the rim portion, and means holding said member in place, said member having spaced apart projections at its marginal edge extending radially outwardly from points on said member adjacent the edge of said opening, whereby crinking of the marginal edge of said flexible member is avoided in the application of pressure applied by said means against the rear face of said member.

2,073,423
DRYING AND SEASONING WOOD AND ANALOGOUS VEGETABLE MATERIALS
Valentin Lacasse, Malines, Belgium
Application October 16, 1934, Serial No. 748,518
In Germany October 24, 1933
5 Claims. (Cl. 34—19)

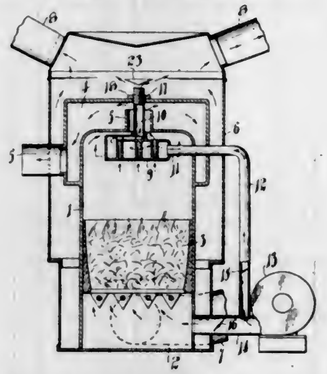
5. Apparatus of the character described comprising a sealable casing, baffle means within and spaced from said casing and forming an inner working space and a suction space between the casing and the baffle means and outlets at opposite sides of the working space between the top and the bottom thereof communicating with said suction space, so that when the suction space is subjected to a sub-atmospheric pressure air

is withdrawn substantially uniformly from all parts of the working space, and means connected



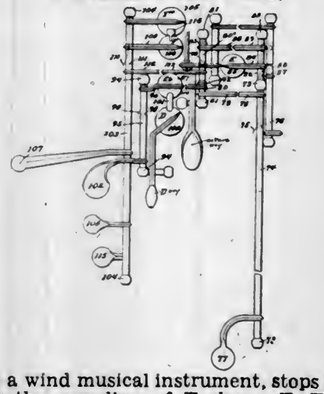
with said suction space for subjecting the same to a sub-atmospheric pressure.

2,073,424
FURNACE
Levi La Fay, Brighton, Ontario, Canada
Application October 18, 1934, Serial No. 748,828
1 Claim. (Cl. 126—106)



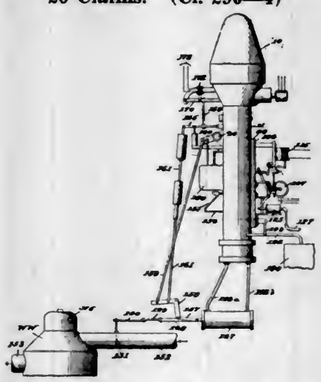
In a heating installation, a furnace having a combustion chamber at its upper part, a heat radiating chamber extending across the top and partly down the sides of the upper part of its combustion chamber and through which the products of combustion pass; an air jacket surrounding said furnace and heat radiating chamber, air ducts leading from said jacket; a return air duct thereto, a smoke flue leading from said radiating chamber through the wall of the air chamber below the top of the combustion chamber, said heat radiating chamber having an opening in its top, a tube supported in and depending from said opening, the upper end of which tube communicates with the upper part of the air jacket, said combustion chamber having an opening in its top of larger diameter than said tube and through which said tube extends; an auxiliary air heater in said combustion chamber above the bottom of the radiating chamber and supported by said tube and for which said tube forms the outlet; and means for supplying air to said auxiliary heater from outside the air jacket.

2,073,425
MUSICAL INSTRUMENT
Leon Leblanc, Paris, France
Application May 16, 1935, Serial No. 21,881
In France May 22, 1934
2 Claims. (Cl. 84—385)



1. In a wind musical instrument, stops for controlling the sounding of F sharp, F, E, and E flat, a single finger piece for controlling each stop independently, and connections whereby the finger piece of the stop for any one of said notes will simultaneously operate the stops for all lower of said notes without recourse to the individual finger pieces for said lower notes.

2,073,426
APPARATUS FOR AUTOMATICALLY CONTROLLING AND MATCHING ELECTRIC GENERATORS
Erick Pearson, Chicago, Ill.
Application November 12, 1935, Serial No. 49,377
26 Claims. (Cl. 290—4)



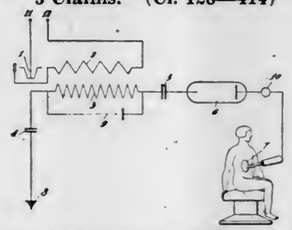
2. In combination, an alternating current distribution system, a generator adapted to supply electric power thereto, a prime mover for said generator, a governor for said prime mover, means for limiting the opening of said governor including a movable member movable in opposite directions to increase and decrease the power input to said prime mover, means affecting the movement of said movable member, means responsive to differences in the frequencies of the distribution system and generator for operating said means for affecting the movement of said movable member, and means for rendering said means for affecting the movement of said movable member inoperative upon said generator be-

coming synchronized with said distribution system to cause the governor to function in normal manner.

2,073,427
METHOD OF CLEANING AND POLISHING TIN PLATE
Eugene X. Riley, Sparrows Point, Md.
No Drawing. Application October 31, 1936, Serial No. 108,641
2 Claims. (Cl. 51—280)

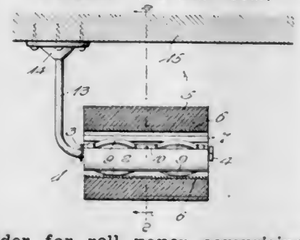
1. A composition for cleaning and polishing tin-plate, comprising wheat middlings, rye middlings and diatomaceous earth.

2,073,428
ELECTRIC HIGH-TENSION APPARATUS, PARTICULARLY FOR MEDICAL PURPOSES
Alfred Schmid, Bern, Switzerland
Application February 8, 1932, Serial No. 591,720
In Switzerland February 20, 1931
3 Claims. (Cl. 128—414)



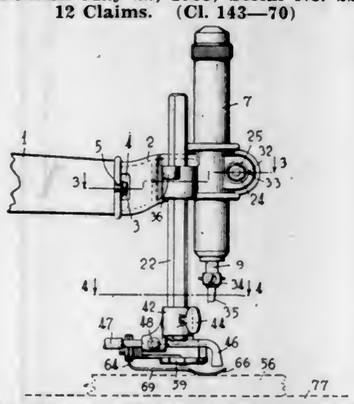
1. Electric high-tension apparatus for medical purposes, comprising a generator of high tension low to medium frequency current impulses, an electrode connected to said generator for application to a person to be treated, means also in circuit for preventing irregular parasitic electrical discharges from the electrode, said generator comprising a transformer for supplying a high-tension alternating current and a rectifying device in the secondary circuit of said transformer for producing a rectified alternating current which is impressed across said electrode, and means for preventing the current in the transformer secondary circuit from exceeding a predetermined value that is safe to the person undergoing treatment.

2,073,429
TOILET PAPER ROLL HOLDER
Jay Lloyd Spicher, Millersburg, Pa.
Application April 15, 1936, Serial No. 74,521
1 Claim. (Cl. 242—55.2)



A holder for roll paper comprising a supporting spindle, a spool rotatably mounted on the spindle and provided with an annular series of equidistantly spaced grooves, each opening at its outer side and ends through the periphery and ends of the spool, and an annular series of roll holding springs carried by the spool, one of said springs being arranged within each groove, each spring being of a length substantially but not fully equal to the length of the groove and comprising a unitary metallic spring strip having a flat central portion resting on and fastened to the inner wall of the groove, correspondingly formed bowed intermediate portions projecting outwardly beyond the groove with their convex sides outwardly disposed for engagement with the core of the paper roll, and flattened end portions slidably engaging the inner wall of the groove to freely allow expanding and contracting movements of said bowed portions of the spring.

2,073,430
SCROLL SAW
Herbert E. Tautz, Milwaukee, Wis., assignor to Delta Manufacturing Company, Milwaukee, Wis.
Application May 22, 1935, Serial No. 22,823
12 Claims. (Cl. 143—70)



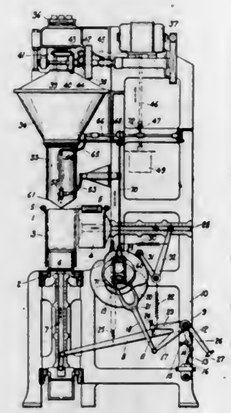
1. A machine tool head having a hexagonal bore therein, said bore being formed with its adjacent faces at substantially equal angles to one another, there being a clamping device piercing one face of the bore, and the face of the bore opposite said clamping means being narrower than the remaining faces.

2,073,431
DISCHARGE TUBE
Carl Trenzen, Venlo, Netherlands
No Drawing. Application June 9, 1934, Serial No. 729,907. In Switzerland December 4, 1933
10 Claims. (Cl. 176—122)

6. A discharge tube of the type that ionizes a basic gas by a heated cathode having a filling which consists of a carbonyl of a metal selected from the group consisting of iron, nickel and molybdenum.

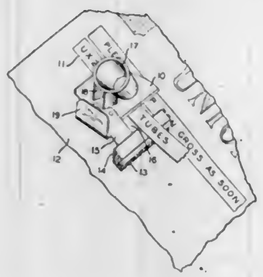
2,073,432
MACHINE FOR MANUFACTURING PACKAGES
Ernst Sigurd Detlof von Segebaden, Drottningholm, and Gustaf Örström, Alsten, Sweden, assignors to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden, a corporation of Sweden
Application January 10, 1934, Serial No. 706,155
In Sweden January 12, 1933
16 Claims. (Cl. 226—25)

3. In a machine for filling and forming packages, a screw conveyor comprising a plurality of screw shaped feed members for supplying material to a package and having ends in the proximity of one another, moulding means arranged adjacent said ends polygonally to enclose the side walls of the package to be formed and constitut-



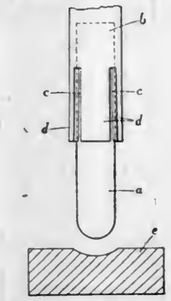
ing substantially an extension of said conveyor and having approximately the same interior cross-sectional area as said conveyor, and a mechanism for yieldingly moving the package into filling position at said feed member ends and within said moulding means.

2,073,433
TAPE AFFIXING DEVICE
Robert S. Watterson, Jr., New York, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application November 21, 1932, Serial No. 643,787
Renewed January 16, 1937
13 Claims. (Cl. 216—20)



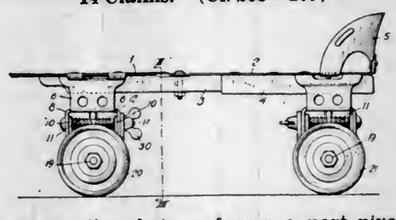
1. A tape affixing device consisting of a presser plate carrying a thimble to receive the finger of an operator and a moistening pad secured to the plate in position to pass in a single motion over the surface to which the tape is to be affixed ahead of the plate.

2,073,434
BEARING
Edmund Basil Wedmore and George Frederick Shotter, London, England
Application March 2, 1936, Serial No. 66,702
In Great Britain March 9, 1935
3 Claims. (Cl. 308—238)



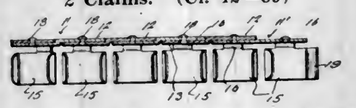
1. A pivot bearing suitable for electrical measuring instruments, comprising co-operating bearing surfaces, at least one of said surfaces being made from a spine of the family Cactaceae.

2,073,435
ROLLER SKATE
Wilhelm Otto Westerdahl, Stockholm, Sweden
Application June 28, 1935, Serial No. 28,942
14 Claims. (Cl. 208—179)



1. In a roller skate, a frame, a part pivotally connected to said frame adapted to be turned laterally in a vertical plane, a horizontally rotatable part connected to said last-mentioned part, a wheel axle and wheels carried by said horizontally rotatable part, and steering connections between said frame and said horizontally rotatable part whereby the same causes the horizontally rotatable part to turn together with the wheel axle when the part adapted to be turned laterally in a vertical plane is turned.

2,073,436
REVOLVER CLIP
John A. Woodhead, Swarthmore, Pa.
Application March 27, 1934, Serial No. 717,615
2 Claims. (Cl. 42—89)



1. In a device of the character described, a series of articulated links, each link being formed from a single blank of metal cut, shaped and dimensioned to provide a platelike body portion having its respective opposite ends of substantially disk shape and a narrow intermediate portion connecting said ends and having its longitudinal edges spaced inwardly with respect to the

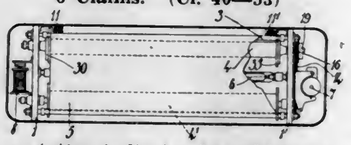
peripheral edges of said disk-shaped ends; one of said disk-shaped ends having integral with a peripheral edge thereof a narrow web projecting at substantially right angles to the longitudinal median of the plate and also disposed in a plane substantially at right angles to the plane of the plate, and a cartridge clip integral with said web, and the other of said disk-shaped ends having integral with a peripheral edge thereof and at a point substantially diagonal to the longitudinal median of the plate an integral projection disposed angularly on the side of the link opposite to said web and forming a stop adapted to abut the side edge of the intermediate portion of an adjacent link for limiting the movement of the links from that of a substantially straight position to that of a substantially circular position.

2,073,437

STOPPING-PLACE INDICATOR FOR VEHICLES

Richard Zinter, Berlin, Germany, assignor to Ambi-Budd Presswerk Gesellschaft mit Beschrankter Haftung, Berlin-Johannisthal, Germany

Application October 25, 1935, Serial No. 46,796
In Germany October 27, 1934
6 Claims. (Cl. 40—53)



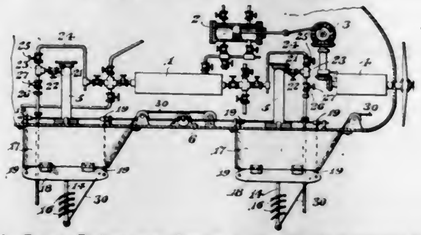
2. In a station indicator for vehicles, a casing having a longitudinal opening therein, a pair of rollers mounted in said casing one above and one below said opening and parallel to each other, a band mounted on said rollers to be wound from either one to the other, said band being marked off into equal spaces, manually operated electrical means for winding said band on said rollers a distance equal to two of said spaces at each operation thereof, said winding means including reversal mechanism so constructed and arranged as to cause the band to be fed the width of one of said spaces when operated whereby the units of one set of alternate spaces are exposed at the opening of said casing when wound in one direction and the units of the other set of alternate spaces exposed when wound in the other direction.

2,073,438

HYDROPLANE VANE

Herbert Luther Adams, Washington, D. C.

Application November 22, 1932, Serial No. 644,553
13 Claims. (Cl. 244—102)



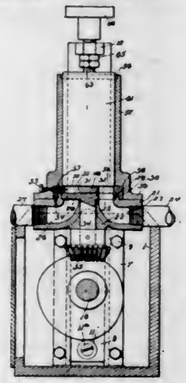
1. In a flying machine, a multiple telescoping stem depending from the machine and formed with an opening, a compressed fluid device, a pipe in communication with said opening, said pipe having a branch connected with said compressed fluid device and further having another branch extending downwardly and of sufficient length to reach the water when the machine is resting on the water, valve means for controlling communication between said pipe and stem and also between said pipe and its branches, and hydroplane vanes attached to the lower portion of said stem.

2,073,439

BATTER PUMP WITH DRIP ELIMINATING MEANS

James Balton, Baltimore, Md., assignor of one-fourth to Joseph Shapiro, Baltimore, Md., one-fourth to Isaac Shapiro, Chicago, Ill., one-fourth to Nathan Shapiro and one-fourth to Samuel Shapiro, both of Chelsea, Mass.

Application March 20, 1935, Serial No. 12,079
4 Claims. (Cl. 107—27)



1. A batter charging pump for transferring liquid from a supply source to a discharge nozzle, said pump comprising a cylinder, a piston, and a rotary disc valve cooperating with the cylinder to control passage of the liquid into and out of the cylinder, said cylinder having an intake port and an outlet port controlled by said valve, and means always in communication with the working chamber of the cylinder to cause said piston on its suction stroke freely to draw fluid into the cylinder through the inlet port and to create a sufficient suction on the outlet port to prevent drip from the nozzle with which the outlet port may be connected, said inlet port being constructed for connection with the supply source and said outlet port being constructed for connection to the nozzle.

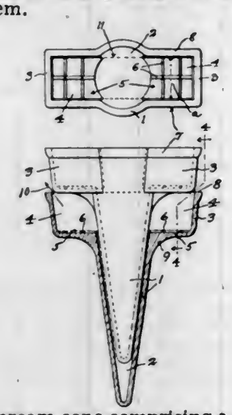
2,073,440

ICE CREAM CONE

James Balton, Baltimore, Md., assignor of one-fourth to Joseph Shapiro, Baltimore, Md., one-fourth to Isaac Shapiro, Chicago, Ill., one-fourth to Nathan Shapiro and one-fourth to Samuel Shapiro, both of Chelsea, Mass.

Application February 14, 1936, Serial No. 63,955
6 Claims. (Cl. 99—89)

3. An ice cream cone comprising a stem of conical form throughout its length, laterally and diametrically oppositely disposed pockets of rectangular form in plan view and of a width less than the diameter of the stem at its top end, said pockets having flat bottoms, the bottoms of said pockets being of less width than the tops and said pockets being of greater outside width at the bottom than the inside width thereof at the top whereby when two cones are nested the upper pockets will rest on the mouth edge of the lower pockets to hold the nested stems against pressure engagement with one another, and bracing ribs connecting the outside bottoms of the pockets with the outside of the stem, the brackets of one cone lying in the pockets of the next cone beneath when the cones are nested and serving also to limit swivelling of one cone in another, said pockets being constructed to receive and hold on edge a rectangular slice of ice cream, the stem at the sides of the slice being spaced therefrom to provide drip passages from the pockets into the stem.



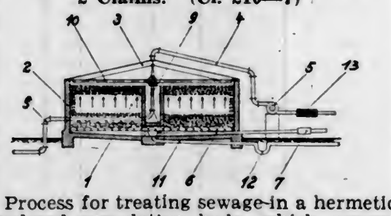
5. An ice cream cone comprising a conical stem, the walls of which are of uniform thickness from top to bottom, pockets projecting laterally from said stem in diametrically opposite relation, each of said pockets being located at the top of the stem and having communication with the interior of the stem, the width of said pockets being substantially less than the diameter of the stem where they are attached, the pockets being so formed that when two cones are nested the upper cone will be supported by the mouth edge of the pockets of the lower cone, said pockets being constructed to receive and hold on edge a rectangular slice of ice cream, the stem at the sides of the slice being spaced therefrom to provide drip passages from the pockets into the stem.

2,073,441

PROCESS OF TREATING SEWAGE

Heinrich Blunk, Essen, Germany

Application September 12, 1933, Serial No. 689,137
In Germany September 14, 1932
2 Claims. (Cl. 210—7)



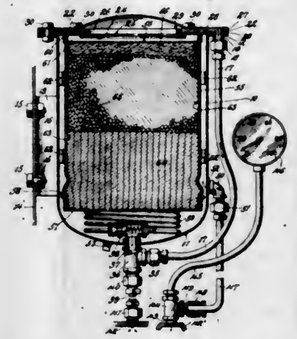
1. Process for treating sewage in a hermetically enclosed percolating body, which comprises passing the sewage through said body, passing an air current upward through the enclosure from the bottom, uniformly distributing the air over the percolating body and thereafter discharging it as a closed air stream containing impurities and insects, and treating said air streams to destroy said insects before discharging the air to the atmosphere.

2,073,442

METHOD AND MEANS FOR PURIFYING LUBRICATING OIL

Southwick W. Briggs, Washington, D. C.

Application January 2, 1935, Serial No. 163
2 Claims. (Cl. 210—134)



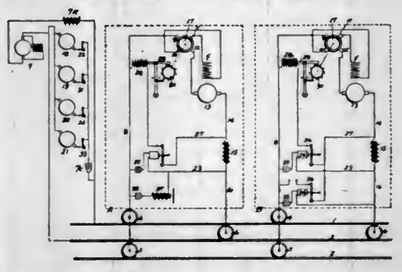
1. The combination with the pressure lubricating system of an internal combustion engine, of filtering means comprising a column, of substantial length, of compressed fibrous filtering material, an adjacent column, likewise of substantial length, of mineral adsorbent particles, of a particle size lying between 8 and 60 mesh, less tightly compressed than is said column of fibrous filtering material, a compressible packing layer adjacent that end of the column of mineral adsorbent particles which is remote from the compressed fibrous material column, means for holding the said columns and compressible packing layer under compression, and means for continuously passing oil under pressure from said system during operation of said engine through said column of fibrous material into and through said column of adsorbent material and back to the system.

2,073,443

REMOTE CONTROL SYSTEM

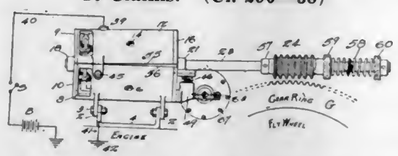
John B. N. Cardoza, New York, N. Y.

Application August 13, 1929, Serial No. 385,619
8 Claims. (Cl. 104—151)



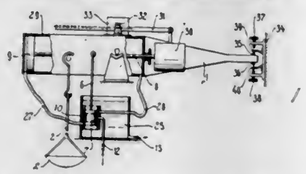
1. A system of control comprising in combination, a railway track and return circuit, a plurality of devices carried by said track and adapted to be controlled thereon, a three position selector switch on each device, means for selecting the position of each switch, a source of power connected to track and return circuit for operating said devices and said switches, a second source of power for actuating said selecting means bridged across said track circuit and means for manually controlling said last source of power to effect actuation of said switches to any position desired.

2,073,444
ELECTRIC STARTING MOTOR
Douglas Collins, Salisbury, N. C.
Application September 21, 1934, Serial No. 744,930
10 Claims. (Cl. 290—38)



1. The combination with an internal combustion engine and its driven member, of a longitudinally divided electric motor comprising a fixed section, a movable section, means for separating said sections to inoperative position when the engine is idle, a motor driven member movable with the movable section for engagement with the first driven member, and engine-operated means for augmenting the separating means when the engine is running.

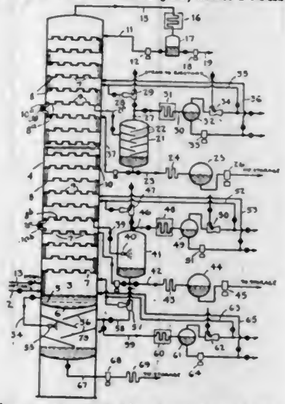
2,073,445
WEIGHING MACHINE COMPRISING MEANS FOR OPERATING A VALVE, A COUNTER, OR ANOTHER DEVICE
Johan Hendrik de Iongh, The Hague, Netherlands
Application June 28, 1934, Serial No. 732,887
In the Netherlands February 27, 1933
4 Claims. (Cl. 265—56)



1. In a weighing machine of the kind described, the combination with the weighing beam and a sliding weight of a hydraulic servo-motor, a piston movable therein and carrying said sliding weight for displacing the same, a distributing member controlling inlet and outlet ports for the pressure liquid to and from said servomotor, and means operatively connecting said member with said weighing beam whereby in the position of equilibrium of said weighing beam the said inlet and outlet ports are closed, the oscillation of said weighing beam operating said distributing member so as to permit the pressure liquid to move said piston and thereby said sliding weight in one or the other direction.

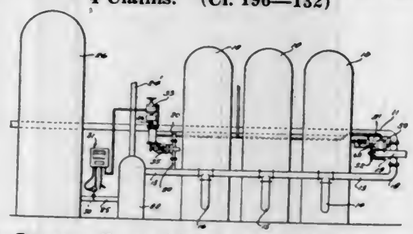
2,073,446
METHOD FOR REFINING HYDROCARBON OILS
Edward Ellsberg, Westfield, N. J., assignor, by mesne assignments, of three-fourths to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware
Application June 1, 1933, Serial No. 673,803
2 Claims. (Cl. 196—77)

1. In continuous fractional distillation of hydrocarbon oils, in which the heated material is subjected to reflux fractionation in a column and in which a stream of liquid oil is removed continuously from contact with liquid oil and vapors in the fractionating column, the improvement which comprises subjecting the removed liquid material, while in a flash chamber and not in contact with steam and with no further fractionation in said chamber, to vacuum created by the ejector action of a steam jet, and returning to the



column the material thus released as vapor, together with the exhaust steam from said jet.

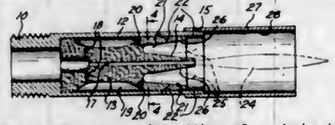
2,073,447
CONTROL DEVICE FOR HOT BLAST STOVES
Drue M. Evans, Wood River, Ill., assignor to Petroleum Conversion Corporation, New York, N. Y., a corporation of Delaware
Application September 12, 1934, Serial No. 743,745
4 Claims. (Cl. 196—132)



2. In an oil cracking system wherein oil is cracked by mixing the vapor of the oil with a heated gaseous heat carrier, a battery of hot blast stoves, a hot blast main common to the members of said battery, a source of relatively cold gas which may be admixed with the heated gaseous heat carrier to control the temperature of same, a main by-pass from said source to said hot blast main adjacent the inlet end thereof, a regulating valve in said by-pass, an auxiliary by-pass from said source to said main adjacent the outlet end of said main, a mixing chamber for said heated gas and the oil in vapor form to be cracked to which said hot blast main is joined, means for introducing oil vapor to be cracked into said mixing chamber, a reaction chamber, a connection from said mixing chamber to said reaction chamber, a temperature responsive element in said connection to control the temperature of said heat carrier gas supplied to said mixing chamber by automatically regulating the amount of cold gas admitted through said auxiliary by-pass.

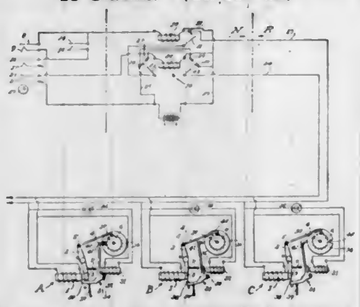
2,073,448
BURNER
Hal F. Fruth, Indianapolis, Ind., and Carl A. Borland, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 9, 1933, Serial No. 660,130
7 Claims. (Cl. 158—109)

1. In a gas burner, a main nozzle for producing a pencil flame, means for supplying a gas mixture at high velocity to the main nozzle of such richness as to form an efficient combustible mixture with the oxygen taken from the air by the pencil flame, means for producing and directing



a pilot flame from a plurality of points to surround the main nozzle, means for supplying a similar gas mixture to the pilot flame but at a low velocity, and means for supplying additional air to the pilot flame.

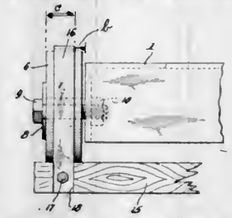
2,073,449
CORRECTIVE TIME-CONTROLLED SYSTEM
Edward B. Jackson, Downers Grove, Ill., assignor to Stromberg Electric Company, Chicago, Ill., a corporation of Delaware
Application September 24, 1932, Serial No. 634,683
13 Claims. (Cl. 58—24)



1. A corrective time-controlled system comprising master, secondary and corrective apparatus, said secondary apparatus comprising an intermittently driven electromagnetic actuator (responsive to electrical impulses in either direction) and an intermittently operated member actuated by said actuator, said master apparatus comprising means for sending out normal impulses for said secondary electromagnetic actuator, and said corrective apparatus comprising means for periodically sending out a number of rapid impulses for rapidly advancing slow secondary apparatus, means controlled by the master apparatus for periodically reversing the current for the secondary apparatus, means associated with each secondary for stopping it when it reaches a predetermined point in its cycle to keep it from getting too fast, comprising a circuit in parallel with the circuit of said electromagnetic actuator and a one-way electric valve in said circuit, and means depending on the current in the one-way valve circuit and on the position of the intermittently operated member for preventing said secondary electromagnetic actuator from actuating said intermittently operated member when the intermittently operated member reaches a predetermined position comprising an electromagnetic actuator in said parallel circuit and disabling means controlled by said parallel circuit electromagnetic actuator and by the position of the intermittently operated member for preventing said intermittently driven actuator from actuating said intermittently operated member when the latter reaches said predetermined position, said parallel circuit electromagnetic actuator comprising an armature normally held against movement but enabled to operate when the secondary apparatus reaches a predetermined stage of its cycle, said intermittently driven electromagnetic device comprising an armature and said disabling means comprising means for holding said armature against movement.

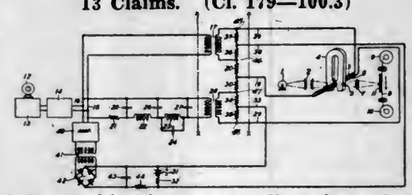
7. In a secondary apparatus for use in a time-controlled system, an impulse magnet, an armature for said magnet by which all advancing movements of said apparatus are effected under control of impulses received by said magnet, a quick acting magnet associated with said impulse magnet and concurrently energized therewith, and means controlled by said quick-acting magnet and operative only when said apparatus is in a particular predetermined chronological position for preventing movement of said armature.

2,073,450
VIBRATION DAMPING MOUNTING FOR COMPRESSORS, ETC.
Sylvester A. Limpert, Bay Shore, N. Y., assignor to Mechana Kold Corporation, Bay Shore, N. Y., a corporation of New York
Application February 10, 1933, Serial No. 656,090
4 Claims. (Cl. 248—22)



4. In a resilient mounting for a machine subject to vibrations, the combination of a base adapted to support a vibratory mechanism, a plurality of cylindrical axles projecting laterally from said base, a resilient roller loosely mounted on each of said axles, the portion of each axle which is in engagement with each roller constituting but a relatively small arc, and but a minor portion of the complete periphery of such axle, a shroud member extending over the top of each roller and normally out of contact therewith, said shroud serving as a lateral abutment to limit the rolling movement of the enshrouded roller in each direction, and shroud-carrying means extending beneath each roller and in contact therewith, said mounting serving to damp vibrations in the direction of gravity through resiliency and vibrations normal to the direction of gravity through rotation of such rollers.

2,073,451
TRANSMISSION SYSTEM
Reginald B. Lord, Los Angeles, Calif., assignor, by mesne assignments, to Western Electric Company Incorporated, a corporation of New York
Application January 2, 1935, Serial No. 87
In Great Britain June 6, 1934
13 Claims. (Cl. 179—100.3)



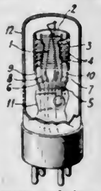
1. In combination, a recording channel, a recording device and an element of equal imped-

ance connected in serial relationship to the terminals of said channel, a pair of equal impedance elements also connected in serial relationship to the terminals of said channel, the junction of said device and said first element and the junction of said equal impedances being in conjugate relationship with the terminals of said channel, a second recording channel, a second recording device and a second element of equal impedence connected in serial relationship to the terminals of said second channel, a second pair of equal impedance elements also connected in serial relationship to the terminals of said second channel, the junction of said second device and said second element and the junction of said second pair of elements being in conjugate relationship with the terminals of said second channel, one junction associated with said first channel being connected to a junction associated with said second channel, and a control circuit connected to the other junctions.

2,073,452
PROCESS FOR CARROTING FUR
Warren C. Mercier, Danbury, Conn., assignor to American Hatters & Furriers Co., Inc., Danbury, Conn., a corporation of New York
No Drawing. Original application March 28, 1931, Serial No. 526.131. Divided and this application April 14, 1934, Serial No. 720,565
2 Claims. (Cl. 8—21)

1. The herein described art of preparing fur or the like for felting which consists in applying to the fibers hydrogen peroxide of a volume strength between 50 and 200.

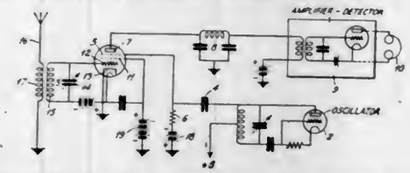
2,073,453
PHOTOTUBE
Herbert Nelson, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application September 19, 1933, Serial No. 690,045. Divided and this application August 26, 1936, Serial No. 97,883
5 Claims. (Cl. 250—27.5)



1. A phototube comprising an envelope containing gas at a reduced pressure and enclosing a thermionic cathode, a grid-like anode surrounding said cathode, and a perforated electrode surrounding said anode and exteriorly sensitized with light responsive electron emitting material.

2,073,454
PENTODE HETERODYNE DETECTOR
Harold O. Peterson and Elmer F. Bond, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application March 1, 1933, Serial No. 659,090
Renewed September 4, 1936
4 Claims. (Cl. 250—20)

1. In a superheterodyne type of radio receiver, in combination, a first detector network comprising a tube having at least a cathode, a signal grid, an anode, a local oscillation grid, and an auxiliary electrode between the two grids, a tunable signal input circuit connected between the signal grid and cathode, an intermediate frequency transmission network connected to the anode of said tube, means for maintaining the said auxiliary electrode at a positive potential with respect to said cathode, signal grid and oscillation grid, means for maintaining said oscillation grid at a negative potential with respect to said cathode, a resistor connected in circuit with

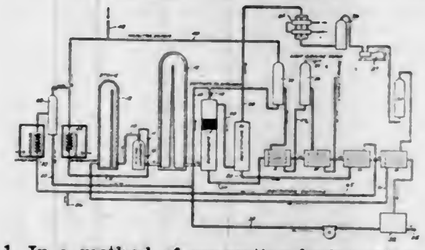


said cathode and oscillation grid, and a tunable local oscillator network comprising a tube connected to produce local oscillations, said oscillator tube being coupled to said negative oscillation grid across said resistor to impress thereupon said local oscillations, said oscillator grid being disposed between the positive auxiliary electrode and the anode, and the signal grid being disposed between the cathode and auxiliary electrode.

2,073,455
FERRO-MAGNETIC ALLOY
Walter E. Remmers, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 1, 1934, Serial No. 755,631
2 Claims. (Cl. 75—128)

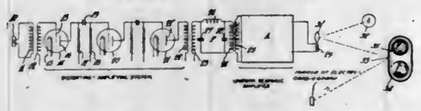
2. A permanent magnet steel comprising cobalt 5% to 40%, chromium 1.5% to 10%, tungsten 1.5% to 10%, uranium a substantial amount up to 2% and the balance substantially iron.

2,073,456
METHOD FOR TREATING CRUDE OIL
Albert P. Sachs, New York, N. Y., assignor to Petroleum Conversion Corporation, New York, N. Y., a corporation of Delaware
Application May 26, 1934, Serial No. 727,597
4 Claims. (Cl. 196—48)



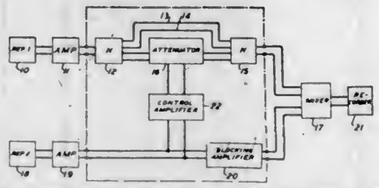
1. In a method of converting hydrocarbon oil in the vapor phase into motor fuels of the gasoline type in which the method of the conversion reaction is brought about by the aid of a heated heat carrier gas in a reaction zone at a temperature in excess of 900 degrees F. and the products from the reaction zone are contacted directly with a hydrocarbon scrubbing medium to extract tar and carbon from said products and also a portion of the heat therein, the improvement which consists in subjecting a charging stock consisting of a crude to progressively more intense vaporizing conditions to separate it into (*a*) a light straight-run fraction, (*b*) a naphtha fraction, and (*c*) a fraction heavier than said naphtha fraction, passing fraction (*a*) to a separate condenser, passing fraction (*b*) to said reaction zone where it undergoes conversion as stated at temperatures in excess of 900 degrees F. in contact with the heat carrier gas, and passing fraction (*c*) into said scrubbing zone wherein part is vaporized by heat contributed in part by the heat still remaining in said gaseous heat carrier, the vapor produced added to the stream of non-liquid fluid products passed from the scrubbing zone while the unvaporized part remains commingled with scrubbing medium, and subjecting said stream of non-liquid fluid products from said scrubbing zone to condensing conditions to condense a product suitable as charging cracking stock, vaporizing same and passing the vapor to the reaction zone.

2,073,457
DIAGNOSTIC INDICATOR
Myron M. Schwarzschild, Brooklyn, N. Y.
Application September 14, 1934, Serial No. 744,028
6 Claims. (Cl. 128—2.05)



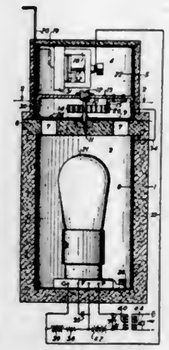
1. In an apparatus for making a visual indication corresponding to the auditory impression in auscultation, said apparatus including a graphic indicator, a sound pick-up, a coupling system interposed between the pick-up and indicator for operating the latter from the former, said system characterized by having its constants co-ordinated with the characteristics of the human auditory system to indicate all sounds of low intensity, appearing to have approximately the same loudness by deflection of approximately the same amplitude.

2,073,458
SOUND RECORDING SYSTEM
Harold C. Silent, Hollywood, Calif., assignor, by mesne assignments, to Western Electric Company Incorporated, a corporation of New York
Application May 9, 1934, Serial No. 724,738
In Great Britain September 11, 1933
20 Claims. (Cl. 179—100.3)



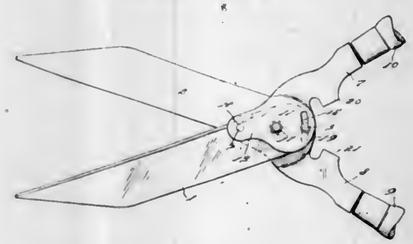
1. In combination, a source of electrical waves corresponding to a sound, a recording device, a circuit for transmitting waves from said source to said device, a portion of said circuit comprising parallel paths, one path transmitting only a predetermined band of frequencies, a second source of electrical waves corresponding to another sound, a second circuit for transmitting waves from said second source to said device and an electronic device in said frequency discriminative path controlled by energy from said second circuit to decrease the transmission efficiency of said path.

2,073,459
TEMPERATURE CONTROL SYSTEM AND METHOD
George M. Thurston, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 27, 1934, Serial No. 713,240
23 Claims. (Cl. 236—1)



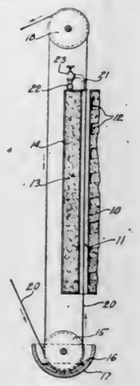
1. In combination, an electrical system which dissipates heat in its normal opration and which includes a thermal responsive control element, a heat retaining chamber in which said thermal responsive control element is located and means for maintaining the temperature of said chamber between predetermined limits comprising means for adjustably heating said chamber with heat dissipated in the normal operation of said system.

2,073,460
HEDGE SHEARS
Peter S. Vosbikian and Thomas S. Vosbikian, Philadelphia, Pa.
Application October 25, 1934, Serial No. 749,869
Renewed August 7, 1936
2 Claims. (Cl. 30—11)



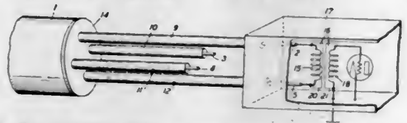
1. Hedge shears comprising cutting blades, having a fixed pivoted connection with each other at their rear ends, handle members having bearing portions between which the rear ends of the blades are positioned, a fixed pivot for the handle members passing through and having a clearance with the blades, said handle members having slots radially disposed with respect to the fixed pivot of the handle members, said slots extending in opposite directions from the median line of the blades and into which the fixed pivot of the blades extends, and each blade having a fixed pivotal connection with its handle member intermediate its forward end and the fixed pivot of the handle members.

2,073,461
APPARATUS FOR CONTROLLING THE FLOW OF GASEOUS MEDIA
Steven S. Cerwin, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 6, 1932, Serial No. 603,521
8 Claims. (Cl. 91—55)



3. In a wire coating apparatus, a vertical heating chamber open at the top and bottom through which the heated air normally flows upwardly, and adjustable means at one end of the chamber for projecting a variable jet of a gaseous medium under pressure along a wire passing through the chamber to adjustably regulate the upward flow of the heated air.

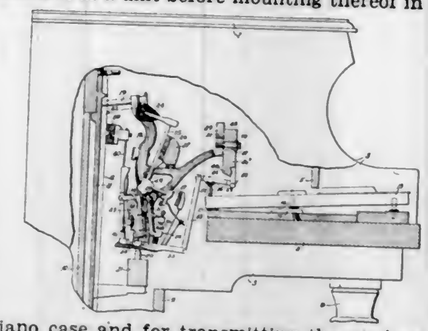
2,073,462
TERMINATING SYSTEM FOR SHIELDED CIRCUITS
Harold E. Curtis, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 31, 1936, Serial No. 71,973
5 Claims. (Cl. 179—78)



1. In combination, a common shield, four conductors in said shield paired to form two balanced physical circuits, terminating apparatus for each pair beyond the end of the common shield, and a concentric metal shield for each conductor between the common shield and the terminating apparatus.

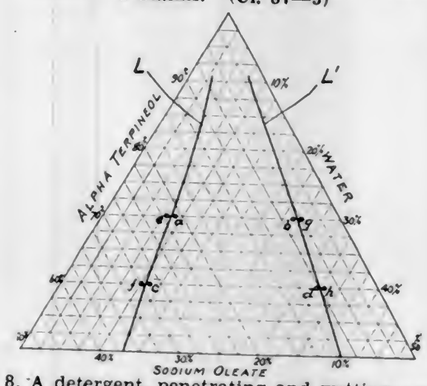
2,073,463
PIANO
Charles H. Dasenbrook, Rockford, Ill., assignor to Thayer-Action Company, Rockford, Ill., a corporation of Illinois
Application December 30, 1935, Serial No. 56,678
9 Claims. (Cl. 84—240)

8. A piano of the vertical string type having, in combination, a key unit with a plurality of depressible keys thereon, an action having a unitary rigid frame supporting a hammer and a whip for each of said keys, and connections having bearing engagement with the rear ends of the respective keys for transmitting the key motions to said whips, said connections being supported solely from said frame whereby to constitute said action and said connections a self-contained operating structure adapted to be assembled as a unit before mounting thereof in the



piano case and for transmitting the motions of said keys to the respective whips and each including as an element thereof a lever having a readily disengageable connection with the rear end of one of said keys.

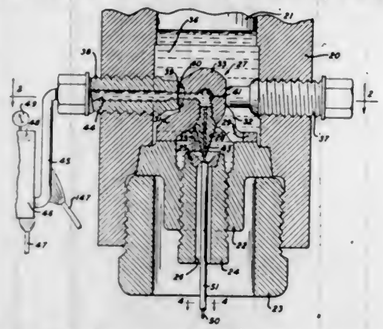
2,073,464
DETERGENT, PENETRATING, AND WETTING COMPOSITION
Wheeler P. Davey, State College, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application June 8, 1934, Serial No. 729,662
8 Claims. (Cl. 87—5)



8. A detergent, penetrating and wetting composition including as ingredients substantially pure alpha-terpineol in amount not substantially less than 50%, sodium oleate in amount not substantially in excess of 37%, and water in amount not substantially in excess of 40%, the ingredients being relatively proportioned so as to give a clear solution.

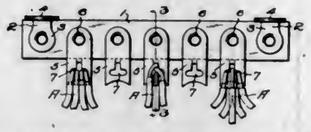
2,073,465
MATERIAL FORMING APPARATUS
Louis S. Deitz, Jr., Metuchen, N. J., assignor to Nassau Smelting and Refining Company, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1936, Serial No. 63,354
5 Claims. (Cl. 207—17)

1. In an extrusion press having an extrusion cylinder and a die mounted therein, a core feeding device within the cylinder and comprising a body member and a guide member, the body member having an annular base, a leg integral therewith and a hollow head integral with the leg, the guide member being secured to the body member and having a bore therein communicating with the cavity in the hollow head, and means to shift the core feeding device bodily with re-



spect to the die comprising a pair of opposed screws mounted in the cylinder wall, one of said screws having an axial bore therein communicating with the cavity in the hollow head and said axially bored screw having a curved surface at the inner end thereof abutting against a corresponding complementarily curved surface formed on the head of the body member.

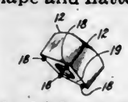
2,073,466
ELECTRICAL WIRING INSTALLATION AND CONTACT LUG
Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application May 10, 1935, Serial No. 20,735
2 Claims. (Cl. 173—324)



2. An elongated one-piece contact lug of thin conducting material having integral projecting means at one end for attachment to an insulating support, the end of said lug remote from said attaching means having an aperture for the reception of a plurality of conductors, said opening being characterized by being formed of a plurality of intersecting apertures disposed at an angle to one another for receiving a plurality of conductors in substantially side-by-side alignment, and a finger-shaped projecting element formed of metal removed to form a portion of said conductor-receiving opening and adapted for engagement with the insulating material to prevent rotation of the contact relative thereto.

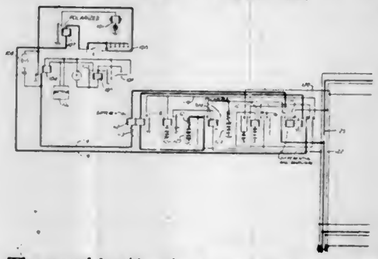
2,073,467
METHOD OF MAKING WELDING NUTS
Leo Demboski and John Kay, Berea, Ohio, assignors to The Ohio Nut & Bolt Company, Berea, Ohio, a corporation of Ohio
Application April 20, 1936, Serial No. 75,286
7 Claims. (Cl. 10—86)

1. The method of making welding nuts or the like which includes the steps of forming a bar of stock having a longitudinally extending rib on one surface thereof, severing said bar into articles of the desired shape and flattening said rib except



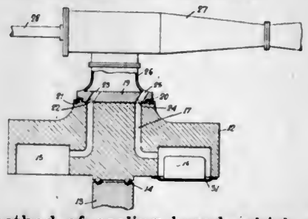
portions thereof which are permitted to remain substantially their original height to form welding projections.

2,073,468
COMMUNICATION SYSTEM
Karl E. Fitch, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1936, Serial No. 76,335
10 Claims. (Cl. 178—75)



1. The combination in a communication system having operators' positions, of a subscriber's line appearing in multiple jacks at said positions, cord circuits at said positions, operators' sets, one at each position for communication between the operator and the subscriber, means responsive to the insertion of a cord by any particular one of said operators in a jack of said line for completing a communication circuit between said line and the operator's set, and means responsive to the insertion of a second cord by another operator in a jack of said line for closing a shunt around the first-mentioned operator's set to render it ineffective for communication.

2,073,469
METHOD OF COOLING BREAD
Walter L. Fleisher, New York, N. Y.
Application November 22, 1935, Serial No. 51,012
3 Claims. (Cl. 107—54)



1. A method of cooling bread, which consists in a first step of cooling the bread after it leaves the oven by subjecting it to air at atmospheric pressure, whereby the temperature is reduced from oven temperature to a point where the cell structure of the interior of the loaf attains a condition of equilibrium, so that there substantially ceases the evaporation of moisture from the loaf to surrounding currents of air of normal vapor pressures as indicated by a change in the cooling rate of the interior of the loaf at a point between 140° F. and 150° F., and then subjecting the bread in a second step to pressures substantially

less than the normal atmospheric pressure, whereby moisture is evaporated from the bread at temperatures corresponding to the absolute pressure of the atmosphere and the temperature of the loaf reduced to a point proper for wrapping.

2,073,470

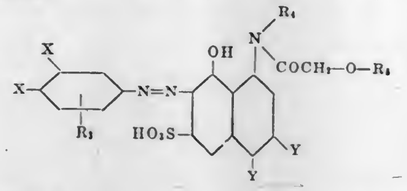
MONO AZO DYESTUFFS

Richard Fleischhauer, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

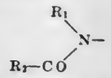
No Drawing. Application November 7, 1935, Serial No. 48,672. In Germany November 9, 1934

4 Claims. (Cl. 260—92)

1. The mono azo dyestuffs of the general formula:



in which formula one X stands for hydrogen and the other for the radicle



R_1 standing for a member of the group consisting of alkyl containing more than 2 carbon atoms, cycloalkyl, aralkyl and aryl radicles of the benzene series, R_2 standing for a member of the group consisting of alkyl, alkoxy, cycloalkyl and aryl radicles of the benzene series, in which formula R_3 means a member of the group consisting of hydrogen methyl, chlorine and sulfonic acid group, one Y stands for hydrogen and the other for a sulfonic acid group, R_4 stands for a member of the group consisting of hydrogen and alkyl and R_5 stands for a member of the group consisting of alkyl containing more than 3 carbon atoms, cycloalkyl and aryl radicles of the benzene series, which dyestuffs dye the fibers scarlet shades of a good fastness to light, washing and fulling.

2,073,471

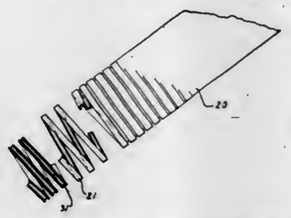
POWER TRANSMISSION DEVICE

Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 8, 1935, Serial No. 44,052

11 Claims. (Cl. 74—245)

1. A belt for power transmission consisting of



a pair of complementary, elongated, helically wound elements each having a channel shaped cross-section and each having the edges thereof disposed between and engaged with the edges of the other.

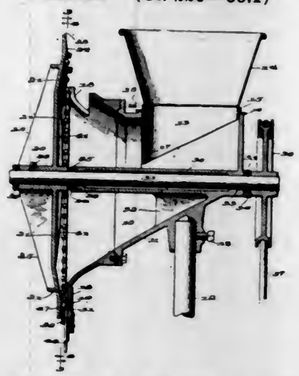
2,073,472

CONTAINER COVER SELECTING AND FEEDING MECHANISM

Howard E. Gantzer, Kenmore, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York

Application May 17, 1935, Serial No. 21,972

7 Claims. (Cl. 226—88.1)



1. A cover sorting and feeding machine comprising the combination of a receptacle adapted to contain covers and having an outlet, an annular flange member having a groove therein located adjacent the outlet of said receptacle, a rotatable sorting wheel substantially closing said outlet, and alternate cylindrical spacing studs and frusto-conical selecting pins mounted adjacent the periphery of said wheel, said flange and sorting wheel forming an annular passage for the covers from the interior of the receptacle, in which passage the spacing studs and selecting pins coact with said groove to prevent the passage of covers presented with their convex faces toward the selecting pins.

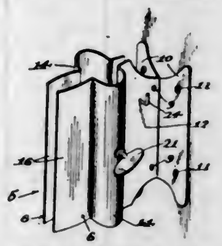
2,073,473

DISPENSING DEVICE FOR PLASTIC SUBSTANCES

Ferdinand F. Gay, Beverly Hills, Calif.

Application March 14, 1936, Serial No. 68,869

5 Claims. (Cl. 221—60)



1. A plastic dispensing device comprising a pair of complemental members having longitudinally disposed semi-cylindrical portions adjacent their inner ends, their outer vertical edges forming clamping jaws for the reception of a collapsible paste tube, and means engaging the semi-cylindrical portions of said members to force the jaws together to extract a quantity of paste from the tube.

2,073,474

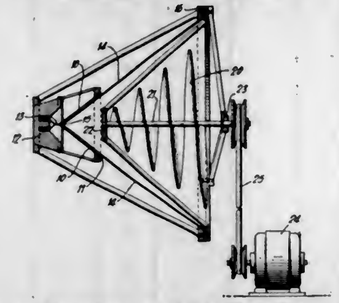
LOUDSPEAKER AND THE LIKE

Robert Rodger Glen, Biarritz, France, assignor to Glen's Patents and Holdings, Inc., New York, N. Y., a corporation of Delaware

Application November 8, 1935, Serial No. 48,878

In Great Britain October 4, 1935

5 Claims. (Cl. 181—31)



1. In loudspeakers and the like, the combination with a vibratory diaphragm having means for actuating the same, of air propelling means operatively disposed adjacent a central point of said diaphragm and adapted to propel air for changing the air pressure adjacent said diaphragm, and means for driving said air propelling means.

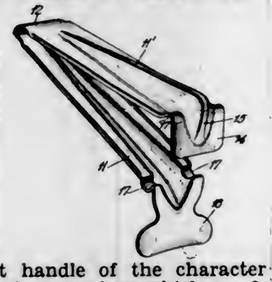
2,073,475

POT HANDLE

Thomas S. Gordon, New Brunswick, N. J.

Application April 3, 1936, Serial No. 72,455

7 Claims. (Cl. 294—33)



1. A pot handle of the character described comprising jaw members which are formed rigid adjacent the handle portions and are provided with resilient flexible portions both below and at the sides of said rigid portions which may flex laterally and toward each other, together with: said lower jaw member extending below the upper jaw member a predetermined distance and extending outwardly therefrom beyond the under side thereof.

2,073,476

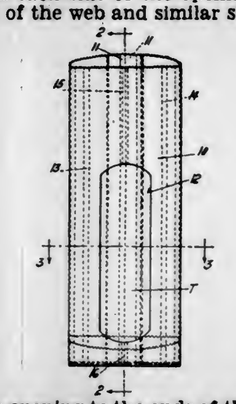
METHOD FOR MAKING WINDOW BAGS AND WRAPPERS

Richard S. Grant and Alfred A. Schlegel, Akron, Ohio, assignors to The Jaite-Grant Display Bag Company, Cleveland, Ohio, a corporation of Ohio

Original application May 10, 1933, Serial No. 670,336. Divided and this application October 31, 1935, Serial No. 47,570

1 Claim. (Cl. 93—35)

That method for making display window bags having bellows type side walls which comprises providing a web of flexible relatively opaque material with a window opening therein, providing a web of relatively transparent material substantially of equal length with said first web, applying strips of adhesive to said first-named web one on each side of the opening throughout the length of the web and similar strips from the



ends of the opening to the ends of the web, superposing said transparent web onto said opaque web over the opening and in contact with said adhesive strips, forming said composite web into a tube, folding said tube to provide bellows type side walls, and securing one end of said tube to form a bottom while leaving the other end of the tube open to provide a mouth for the bag.

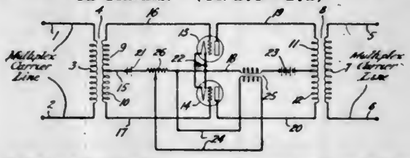
2,073,477

ELECTRIC WAVE AMPLIFICATION

Charles W. Green, Millburn, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, a corporation of New York

Application January 26, 1925, Serial No. 4,659

31 Claims. (Cl. 179—171)



1. The method of reducing distortion in an electric wave amplifier having divided input and output circuits which comprises impressing a portion of the unbalance currents in the output circuit of said amplifier upon the input circuit thereof in such phase relation that the resulting currents in said output circuit will cancel the unbalance currents therein.

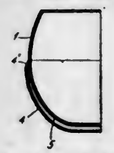
2,073,478

REMOVABLE INSERT RECEPTACLE

Jacob Heller and Michael Heller, Brooklyn, N. Y.

Application March 6, 1935, Serial No. 9,528

1 Claim. (Cl. 65—13)



In combination, in a receptacle of the removable insert type, a holder section formed of a

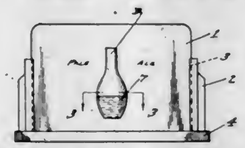
relatively thin metallic plate into an insert holder, the latter having resilient flaring walls and an inwardly bent rim portion, a glass insert receptacle nested within said holder and having its nested portion similar in configuration to that of the holder, the walls of the insert and holder being spaced apart by a relatively small distance which is sufficient to provide a substantially evacuated space between the walls of the insert and holder when the former is in nested position, said insert being retained in nested position by the conjoint action of atmospheric pressure on the insert and the radially directed pressure of the holder walls, a substantial portion of the insert extending above the holder rim, a groove provided in the outer face of the insert at the line of contact between the holder rim edge and the external face of the insert, and said rim edge being disposed in the groove to prevent tilting motion of the insert during usage.

2,073,479

ADVERTISING DISPLAY SIGN

John Jensen, London, Ontario, Canada, assignor to The Hobbs Manufacturing Co., Limited, London, Ontario, Canada, a body corporate

Application January 10, 1936, Serial No. 58,521
In Canada March 25, 1935
8 Claims. (Cl. 40—126)



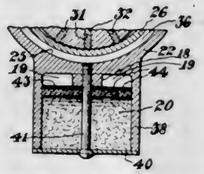
1. An advertising display sign comprising a support; a section of a transparent container affixed to said support, and means on said support for reflecting the section of container so as to give the impression that the complete container is there, and for reflecting light through the section of the container so as to offset any shadow cast on said support by the presence of the container, substantially as described.

2,073,480

MUFFLING DEVICE

Francis A. Jimerson, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application October 4, 1934, Serial No. 746,778
1 Claim. (Cl. 181—42)



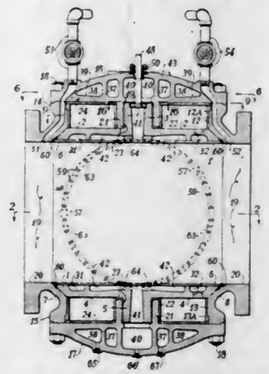
A muffler comprising a casing having an expansion chamber, said casing having an inlet opening and an outlet opening, a cover plate for one end of the casing and cooperating with the casing to define the outlet opening, a wall of permeable material extending from one side wall to the other of the casing between the openings and cooperating with the top of the casing to define a passageway from the inlet opening to the outlet opening, and a bolt extending through the cover plate and the wall and being threaded into the casing to secure the cover plate and the wall rigidly to the casing.

2,073,481

SPHERE VALVE

Phillip A. Kinzie, Denver, Colo., assignor to Universal Hydraulic Corporation, Denver, Colo., a corporation of Colorado

Application May 28, 1934, Serial No. 728,039
7 Claims. (Cl. 137—139)



2. In a valve, a rotatable element having a cylindrical passage therethrough, the outer boundaries of said element being defined by an approximately spherical surface and the polar regions of said spherical valve element being cut back to provide annular surfaces normal to the rotational axis and central stems projecting from said annular surfaces, a valve casing having a central cavity conforming substantially to the central spherical surface of said element and having annular surfaces in alinement with and spaced from the annular surfaces of said valve element, and vanes secured to the respective opposed annular surfaces of said valve element and valve casing to constitute a pair of hydraulic motors at opposite sides of said valve element for rotating the same.

2,073,482

VACUUM TUBE INSULATOR SHIELD

Peter Kniepen, Finkenkrug, near Berlin, Germany, assignor to Allgemeine Elektricitats Gesellschaft, Berlin, Germany, a corporation of Germany

Application March 28, 1936, Serial No. 71,349
In Germany October 4, 1934
5 Claims. (Cl. 250—27.5)



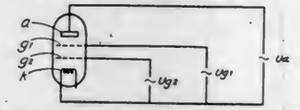
4. In an electron discharge device an insulator, a high potential conductor extending therethrough, means to reduce field intensities in said insulator surrounding said conductor comprising a metal cylinder surrounding and engaging said conductor at its junction with said insulator, the cylinder being flared at its end with its rims spaced from said insulator.

2,073,483

ELECTRON DISCHARGE DEVICE

Heinrich Kniepkamp, Berlin-Pankow, Germany, assignor to Siemens & Halske, A. G., Berlin-Siemensstadt, Germany, a corporation of Germany

Application April 6, 1935, Serial No. 14,971
In Germany December 23, 1933
1 Claim. (Cl. 250—27.5)



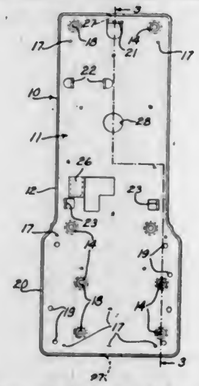
An electron discharge device having an envelope containing a gas or vapor atmosphere, a cathode, a first and second control grid, and an anode spaced from said cathode, said first control grid having an amplification factor with respect to said second control grid and anode which is ten times as great as the amplification factor of said second control grid with respect to said anode.

2,073,484

SUPPORTING DEVICE

Richard B. Knoth, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 7, 1935, Serial No. 25,408
4 Claims. (Cl. 248—311)



1. A mounting plate for telephone coin collectors comprising a sheet steel base member having a drawn peripheral reinforcing flange extending first rearwardly and then substantially forwardly of the plane of the sheet, and a sheet steel plate permanently attached to the front side of the base member and within the confines of the flange thereof, portions of said plate being struck up to form a plurality of projections for supporting apparatus of the coin collector, the metal of the base member lying back of the openings caused by the struck up portions being undisturbed so as to form a closure preventing unauthorized entry from the exterior of wires or the like through said openings.

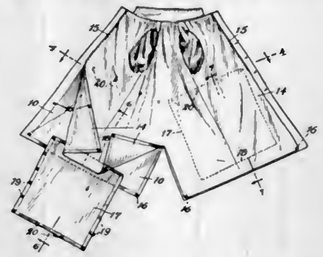
2,073,485

STORM COAT

George Knowling, St. John's, Newfoundland

Application May 12, 1936, Serial No. 79,228
1 Claim. (Cl. 2—86)

A storm coat comprising body and arm portions formed of a weather resisting material, a lining inside said body portion and having releasable connection therewith adjacent its lower end and leg protecting members consisting of extensions secured adjacent the lower end of the lining and being of a size and shape to fit around



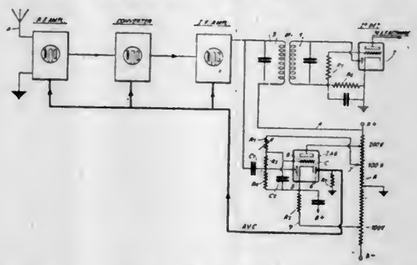
the legs of the wearer, said extensions having fasteners for securing them around the legs of the wearer when in use and for securing them between the lining and body portion inside the coat when not in use.

2,073,486

DELAYED AUTOMATIC VOLUME CONTROL CIRCUIT

Winfield R. Koch, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 25, 1935, Serial No. 3,415
10 Claims. (Cl. 250—20)



1. In combination with a signal amplifier whose gain is to be regulated, a signal rectifier adapted to produce a direct current voltage from the amplifier output whose magnitude varies directly with the amplitude of the amplified signal energy, a diode circuit, including the cathode of said rectifier, for providing a gain control bias for the amplifier whose magnitude varies directly with signal amplitude, delay means in the diode circuit for normally maintaining the cathode positive with respect to the diode anode, means responsive to said rectifier voltage for varying the action of said delay means, and an additional delay means for delaying the action of the said responsive means.

2,073,487

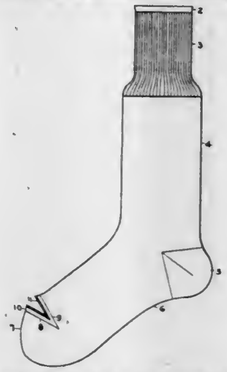
STOCKING AND METHOD OF MAKING THE SAME

Robert H. Lawson, Pawtucket, and Arthur N. Cloutier, Lonsdale, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application March 8, 1932, Serial No. 597,528
16 Claims. (Cl. 66—173)

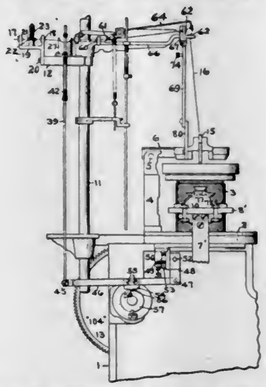
1. A fabric consisting of adjoining rib and plain courses, the rib courses and plain courses

being connected by transfer courses, such trans-



fer courses including plain courses and rib wales superposed on plain wales of the plain courses.

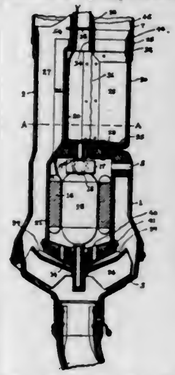
2,073,488
KNITTING MACHINE
Robert H. Lawson, Pawtucket, and Roy F. Lovell, Providence, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application March 2, 1934, Serial No. 713,726
13 Claims. (Cl. 66—125)



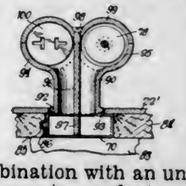
1. A knitting machine having a reciprocatory needle cylinder and adapted to knit split-foot work, automatically actuated means for marking a thread during each reciprocation of the needle cylinder so that the markings on the thread show the lengths of thread knitted into the fabric during successive reciprocations whereby adjustments can be readily made to effect the knitting of uniform fabric.

2,073,489
SUCTION CLEANER
Ward Leathers, Haworth, N. J., assignor to Quadrex Corporation, a corporation of Delaware
Application February 28, 1934, Serial No. 713,347
12 Claims. (Cl. 183—36)

1. In a suction cleaner, a motor-suction unit rigidly attached to a handle, a casing for said motor comprising an inner sleeve holding said motor and an outer substantially cylindrical portion substantially concentric therewith, an upward extension of said outer cylindrical portion partially enclosing a dirt receiving chamber with the bottom of said chamber at the upper end of said motor, a partition within said extension constituting a wall for said dirt-receiving chamber, a manually openable gate completing the enclosure of said chamber in said substantially cylindrical manner, and means whereby dirt laden air from one side of said partition may be filtered and the dirt collected on the other side in said dirt-receiving chamber.



2,073,490
UNDERFLOOR DUCT SYSTEM
Jacob W. Lewin, Oak Park, Ill.
Application November 23, 1934, Serial No. 754,422
21 Claims. (Cl. 247—3)



10. The combination with an underfloor wiring duct having separate conductor runways, of a standpipe providing outlet connection for said runways and having a central partition dividing said standpipe into two separate outlet passageways, and horizontal open-ended cylinders at the upper end of said standpipe, each of said cylinders communicating with one of said passageways.

2,073,491
REFLECTOR FOR SHOW WINDOWS AND THE LIKE
Boleslaw Mateuszczyk, New York, N. Y., assignor to John Yata, New Bedford, Mass.
Application October 24, 1934, Serial No. 749,698
2 Claims. (Cl. 240—103)



1. In a reflector for show windows and the like, a hollow-frusto-pyramidal reflector having at the top an opening, a vertical flange surrounding said opening, a cap engaging over said opening and having a hole in the center thereof and having downwardly extending flanges which engage the outsides of said first named flanges, a member for supporting a lamp and slidably engaged through said cap and said opening, and fastening means extending through said flanges and engaging said member for holding said member in adjusted position.

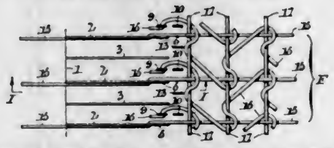
2,073,492
ORE FLOTATION
Philip A. Ray, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 16, 1935, Serial No. 11,439
4 Claims. (Cl. 209—166)

1. A method of effecting the concentration of minerals by flotation which includes subjecting a mineral pulp to a flotation operation in the presence of a terpene mercaptan.

2,073,493
ENERGY TRANSMISSION
Henry Salvatori, Hollywood, Calif., assignor to Western Geophysical Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application April 24, 1936, Serial No. 76,259
6 Claims. (Cl. 181—0.5)

1. A method of increasing the energy transmitted from an explosive charge to a dense neighboring formation such as limestone which comprises interposing between said explosive charge and said neighboring formation a layer of a less dense, plastic energy-transmission-medium selected from the group consisting of clay, limestone and liquid-permeated-sand, and then detonating said explosive charge, the characteristics of said energy-transmission-medium being such that the overall efficiency of transfer of seismic energy from said explosive charge to said neighboring formation is greater than that of direct transfer from said explosive charge to said neighboring formation.

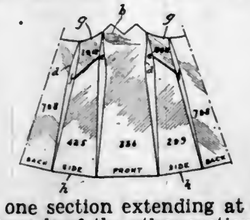
2,073,494
METHOD OF AND MEANS FOR PRODUCING TEXTILE FABRICS
Oskar Sauer, Philadelphia, Pa.
Application May 16, 1935, Serial No. 21,709
35 Claims. (Cl. 66—85)



1. The method of producing a net fabric which consists in throwing a weft thread across a plurality of warp threads incident to lateral movement of the latter, and forming complete twists in one motion by interlacing alternate warp threads with the other warp and weft threads at the crossover points.

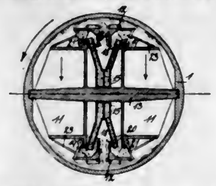
2,073,495
GARMENT
John A. Schaffer, Manoa, Pa., assignor to Her Majesty Underwear Co., Philadelphia, Pa., a corporation of Pennsylvania
Application August 5, 1936, Serial No. 94,301
2 Claims. (Cl. 2—73)

1. A slip comprising one-piece front and back members cut from a fabric on the bias and side members comprising two sections cut from a fabric on the bias and secured together endwise on a bias line extending from approximately the bust line into the region of the waist line with the warp



threads of one section extending at an angle to the warp threads of the other section, said front, back and side members being secured together along their edges.

2,073,496
CENTRIFUGAL MACHINE
Herbert Schulz, Berlin, Germany
Application May 1, 1934, Serial No. 723,290
In Germany May 10, 1933
7 Claims. (Cl. 233—20)

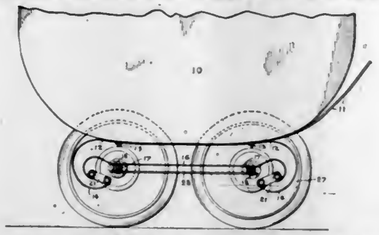


1. A centrifugal machine, comprising a casing having discharge openings formed therein, a drum rotatably mounted within said casing, means connected with said casing for quickly rotating said casing together with said drum, means for comparatively slowly rotating said drum relatively to said casing, and a plurality of containers carried by said drum on the periphery thereof and adapted to receive a mixture of liquid and solid substances introduced into the drum, the rear wall of each of said containers according to the direction of rotation of said drum being inclined from the bottom wall of said container, whereby said container may convey solid substances to said discharge openings according to the angle of repose, said inclined wall being inclined at such an angle that the liquid substances contained in said mixture are flowing to the place of the introduction of the mixture and off the containers opposed to the course of rotation of said drum before they reach said discharge openings, while the solid substances are carried to said discharge openings by said walls.

2,073,497
SPRING SUSPENSION FOR A BABY CARRIAGE BODY
Hartley D. Schwarzbaum, New York, N. Y., and Edward C. Keyworth, Gardner, Mass., assignors to Bilt-Rite Baby Carriage Co., Brooklyn, N. Y., a firm composed of Meyer S. Harrison and Elias Specter
Application August 8, 1936, Serial No. 94,980
7 Claims. (Cl. 280—47)

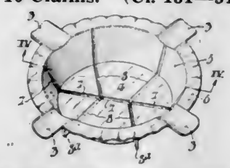
1. In a baby carriage a body, a pair of members rigidly secured to the same thereunder and supporting the same and having large downward circular spring portions at each end and terminating in shackle supports, a second pair of members rigidly secured to the axles of a chassis hav-

ing smaller downturned circular spring portions at each end curving within said large circular members of said first pair of spring portions and terminating in shackle supports, and shackles



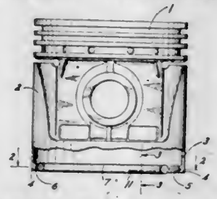
having a pair of elliptical holed plates loosely fastened together for free play connecting each of said adjacent pairs of shackle supports so as to allow free universal movement of said shackle supports.

2,073,498
ASHTRAY
Christian John Seez, Philadelphia, Pa.
Application February 25, 1936, Serial No. 65,545
10 Claims. (Cl. 131—51)



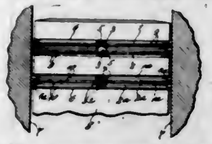
1. A discardable ash tray comprising a body of bendable material having a crease across the base thereof, the body being so designed that it is adapted to be folded about said crease to convert it to a bag-shaped closed receptacle for housing its contents.

2,073,499
PISTON EXPANDER
Dean M. Solenberger, Cleveland, Ohio, assignor to Simplex Products Corporation, a corporation of Ohio
Application November 4, 1935, Serial No. 48,219
3 Claims. (Cl. 309—12)



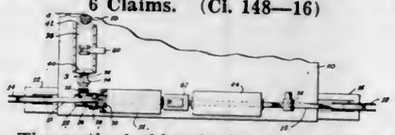
1. In combination with a piston having a skirt portion, the inner circumference of said skirt portion being grooved, a skirt expander comprising a circular spring ring body having sufficient mass to exert a predetermined expanding force upon being collapsed a predetermined amount and having a circumferentially extending integrally formed retaining flange projecting from the outer periphery of said body, the mass of said flange being small as compared to the mass of the ring body, and the groove in the piston skirt being of such dimensions that only said retaining flange of said expander is disposed in said groove in the piston skirt.

2,073,500
PISTON RING
Richard A. Sopp, St. Louis, Mo., assignor to Surety Products Company, St. Louis, Mo., a corporation of Missouri
Application December 13, 1933, Serial No. 702,224
3 Claims. (Cl. 309—24)



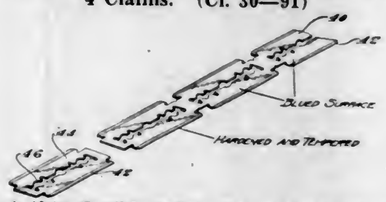
1. A piston ring comprising a plurality of truncated conical split steel rings having their outer edges on approximately uniform radii of curvature and each of which is of less circumferential length than a complete annulus and is of approximately uniform thickness throughout its circumference and is convex on one side and concave on the other, each of said rings being on one side of an adjacent ring throughout its circumference and having its outer edge contacting with the outer edge of said adjacent ring whereby the walls of said rings diverge inwardly relative to one another, and a laterally extended portion on each ring having about the same thickness as the remainder of the ring and extending between the ends of the adjacent ring.

2,073,501
COLORING AND HARDENING STEEL
Albert R. Stargardter, Brookline, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application October 8, 1932, Serial No. 636,823
6 Claims. (Cl. 148—16)



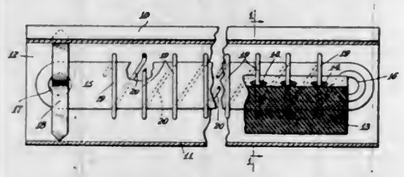
1. The method of hardening and coloring steel, which consists in heating the steel to a temperature above its lower critical point, burning an air-gas mixture out of contact with the steel and controlling the resulting products of combustion so that they have a predetermined oxidizing effect which is less than atmospheric, leading said products of combustion in a current contacting the heated steel, and then chilling the steel and thereby producing a hardened and colored product.

2,073,502
SAFETY RAZOR BLADE AND BLADE STRIP
Albert R. Stargardter, Brookline, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application April 8, 1936, Serial No. 73,311
4 Claims. (Cl. 30—91)



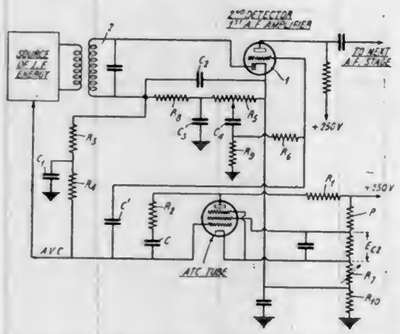
3. A thin flexible safety razor blade hardened and tempered for cutting, having a blue surface finish of substantially pure ferrous oxide and a hardness greater than that of the blue tempered steel.

2,073,503
BINDER
Robert B. M. Taylor, Newark, N. J., assignor, by mesne assignments, to Parallex Corporation, Newark, N. J., a corporation of New Jersey
Application May 21, 1935, Serial No. 22,495
2 Claims. (Cl. 281—25)



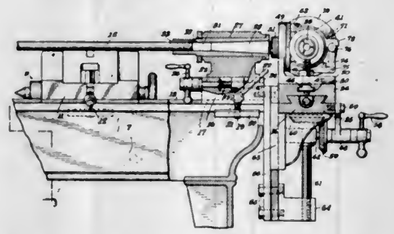
2. A binder embodying therein a plurality of leaves each having a series of spaced registering openings therethrough, and a metal binder wire threaded through said openings, said binder wire having a plurality of convolutions affording a sequence of arcuate portions each being contained within a plane radially of the axis thereof, threaded through the openings in said leaves, and having a portion of each convolution flattened to afford a sequence of obliquely extending straight portions connecting the ends of adjacent arcuate portions, said connecting portions being of a length greater than a chord of an arc of said arcuate portions extending between the ends of adjacent arcuate portions.

2,073,504
AUTOMATIC TONE CONTROL CIRCUIT
Charles Travis, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 28, 1935, Serial No. 3,702
13 Claims. (Cl. 250—20)



1. In combination with a source of audio frequency energy and an audio frequency amplifier, a tone control device comprising an electron discharge tube provided with a cathode, an anode and at least one cold control electrode, an audio frequency attenuation path connected between the input electrodes of said audio amplifier, said path including a condenser in series with the input admittance of said control tube, a resistor of a predetermined magnitude in the anode circuit of said control tube, an impedance path connecting the control electrode and anode of the control tube, the impedance path including at least a condenser of a predetermined capacitive magnitude in a series with a resistor, and means for varying the gain of said control tube.

2,073,505
MILLING MACHINE
Eugene T. Turney, Holmes, N. Y.
Application February 4, 1936, Serial No. 62,249
7 Claims. (Cl. 90—16)



7. In a milling attachment for a lathe having a head stock with a work-holding chuck and a tail stock removable from the lathe center, a base having a portion for seating directly on the tail stock end of the bed of the lathe directly opposite the head stock, means for firmly securing said base on the bed in such position opposed to the head stock, a spindle housing on said base, a cutter spindle journalled in said housing substantially on the lathe center directly opposite the chuck of the head stock, work holding means variously adjustable on said lathe bed supported base in relation to said cutter spindle, means for effecting relative movements of said cutter spindle and work-holding means longitudinally of the lathe axis for cutter feeding purposes and removable drive shaft connections from the lathe chuck to said cutter spindle operative irrespective of said relative feed movements of the cutter spindle and work-holding means.

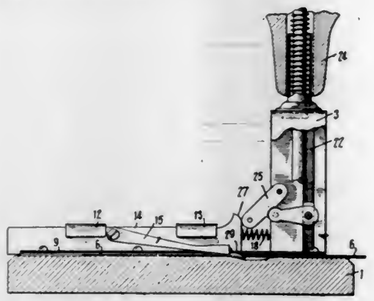
2,073,506
RECLAIMING LUBRICATING OILS
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application September 9, 1935, Serial No. 39,803
5 Claims. (Cl. 87—9)

1. The process of purifying viscoresins comprising dissolving said resins in a liquefied normally gaseous hydrocarbon solvent, heating the resulting solution to a temperature in the vicinity of the critical temperature of said solvent, whereupon a fraction of said viscoresins is separated, removing said separated fraction from the remaining solution and removing solvent from said fraction.

2,073,507
PRICE TAG MARKING MACHINE
Joseph Weimont, Bogota, N. J., assignor to A. Kimball Company, New York, N. Y., a corporation of New York
Application August 9, 1934, Serial No. 739,079
4 Claims. (Cl. 101—287)

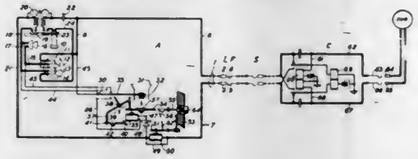
1. Apparatus for printing tag strips, comprising, in combination, printing mechanism including a reciprocating printing head, a swinging ink pad, and connections between the two such that the ink pad is swung out of engagement with the printing head as the latter is moved to printing

position, strip feeding mechanism, and means engaged by said connections to operate said strip feeding mechanism.



4. Apparatus for printing tag strips, comprising, in combination, a base, a hand stamp having a frame having two legs, one of said legs being secured directly to said base and the other of said legs being spaced from the upper edge of said base, and a bracket connecting said other leg to the bottom of said base, means for guiding said tag strips between said legs with one edge of the strip overhanging the edge of the base, and means actuated by said hand stamp for feeding said tag strips.

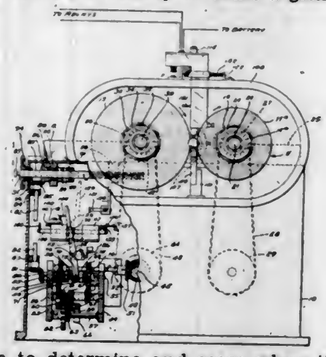
2,073,508
TELEPHONE SYSTEM
Samuel B. Williams, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 18, 1935, Serial No. 16,946
17 Claims. (Cl. 179—6.3)



1. In a telephone system, a telephone line and a substation therefor, an impulse circuit including the conductors of said line in series, a transmitter for producing impulses in said circuit, a coin disposal mechanism at said substation, a non-polarized coin disposal magnet for actuating said mechanism to dispose of a deposited coin, and a circuit for energizing said magnet including the conductors of said line in series.

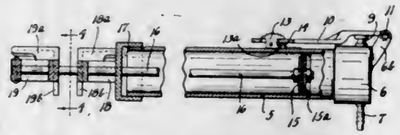
2,073,509
CENTERLESS GRINDING MACHINE
Albert G. Belden and Raymond A. Cole, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application January 23, 1935, Serial No. 3,022
22 Claims. (Cl. 51—103)

1. In an external centerless grinding machine, a grinding wheel having a diameter greater than that of the largest work piece adapted to be ground by the machine, a regulating wheel, a steady rest, a calipering device formed to contact the exterior surface of a work piece, and means operated thereby to cause a grinding op-



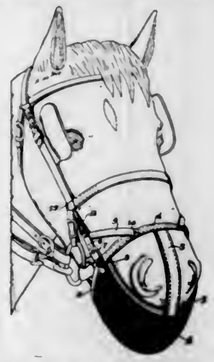
eration to determine and cease when the work piece comes to the desired finished size.

2,073,510
TIRE SPREADER
Walter A. Bishman, Minneapolis, Minn., assignor to The Bishman Company, Minneapolis, Minn., a corporation of Minnesota
Application March 26, 1936, Serial No. 71,016
6 Claims. (Cl. 152—27)



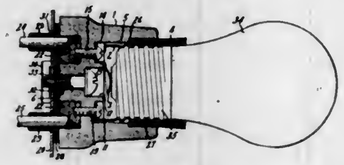
1. A portable tire spreader comprising a stationary spreading head, a movable spreading head, fluid pressure means, for operating said movable spreading head, a fluid inlet valve in said fluid pressure means, a fluid outlet valve therein, and a common control for said inlet and outlet valves.

2,073,511
NOSE GUARD
Percy J. Brownson, Hastings, Minn.
Application March 23, 1936, Serial No. 70,192
3 Claims. (Cl. 54—80)



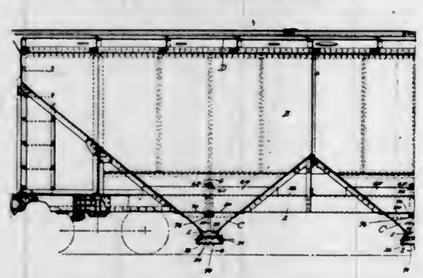
1. An animal nose guard of the class described, comprising an open-work body portion of substantially quarter-spherical shape, a surrounding rim, a cross strap connecting the corners of said body portion, a central strap connecting said cross strap with the front portion of said body portion, adjustable supporting straps connected to the body portion near its corners, and tie straps connected at one end of the outer ends of the adjustable straps and having swivel connection at their inner ends to said cross strap.

2,073,512
SOCKET
Frank C. De Reamer, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application September 10, 1935, Serial No. 39,933
2 Claims. (Cl. 173—358)



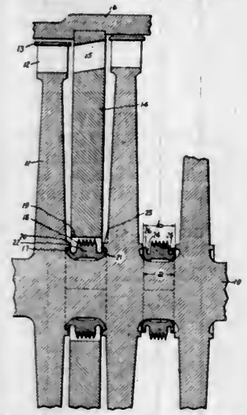
1. A socket member comprising a base, a shell contact mounted in said base, a shoulder on the inner wall of said base, a resilient cylindrical sleeve located around said shell contact and held in compression by said contact against said inner shoulder, said sleeve extending beyond the outer end of said shell contact to engage a lamp inserted in said contact, a wall having a plurality of apertures therein, means to secure the socket to said wall, and a gasket located between said socket and said wall and having integral bushing members adapted to surround conductors passing through apertures in said wall and connected to said socket.

2,073,513
RAILWAY HOPPER CAR
William F. Dietrichson, Berwick, Pa., and Victor Willoughby, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application April 21, 1934, Serial No. 721,674
19 Claims. (Cl. 105—248)



1. In a railway hopper car, a hopper outlet arrangement comprising a frame secured to the discharge end portion of the hopper and having a valve seat therein, a valve body arranged within the frame and adapted to cooperate with the valve seat to close the hopper, a crank shaft journaled in the frame below the valve body and operative to shift the valve body longitudinally relative to the hopper, and guide elements in the frame with which the valve body cooperates during its movements.

2,073,514
METHOD OF ASSEMBLING PACKING RINGS IN SOLID TURBINE ROTORS
John H. Doran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application January 2, 1936, Serial No. 57,083
1 Claim. (Cl. 29—156.8)

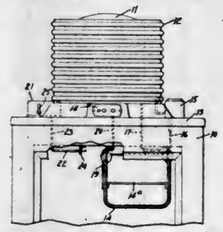


In an elastic fluid turbine having a rotor with wheels integrally formed with the shaft and a diaphragm intermediate adjacent wheels, the method of assembling a packing ring intermediate the shaft and a packing surface on the diaphragm, which method comprises inserting a plurality of ring segments having portions projecting radially away from the axis of the rotor, and bending such portions sidewise in the direction of the axis to effect contact between said portions and shoulders formed on opposite surfaces of the wheels.

2,073,515
ALLOY
Edward F. Fischer, Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application February 6, 1934, Serial No. 709,969
4 Claims. (Cl. 75—168)

4. A magnesium base alloy composed of magnesium and about 1 per cent barium.

2,073,516
REFRIGERATING SYSTEM
Edward R. Fitzgerald, Rexford, N. Y., assignor to General Electric Company, a corporation of New York
Application June 15, 1933, Serial No. 675,930
13 Claims. (Cl. 62—4)



1. A refrigerating system including a chamber to be cooled and an evaporator for cooling said

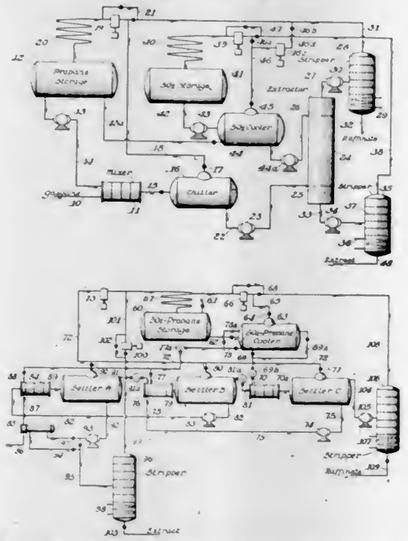
chamber, means responsive to the temperature of said evaporator for normally maintaining the temperature of said evaporator below freezing, means independent of the temperature in said chamber for causing the temperature of said evaporator to rise above freezing to defrost the same, and means dependent upon the temperature of the air in said chamber at a substantial distance from said evaporator for causing the temperature of said evaporator to be again lowered below freezing.

2,073,517

SOLVENT FRACTIONATION OF GASOLINE

Ogden Fitz Simons and William Herbert Bahlke, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application June 14, 1933, Serial No. 675,748
6 Claims. (Cl. 196—13)



4. In a counter-current solvent extraction system for separating cracked petroleum naphtha containing relatively high antiknock components and relatively low antiknock components into phases, respectively, which contain more of the relatively high antiknock components and more of the relatively low antiknock components than the original cracked naphtha, the steps comprising mixing the cracked naphtha, liquid sulfur dioxide and liquid propane in a mixing zone at a temperature below 5° F., passing the resulting admixture into a settling zone to permit phase separation wherein the relatively high antiknock components together with a substantial part of the liquid sulfur dioxide collect in the lower part of the settling zone and the relatively low antiknock components together with a substantial portion of the propane collect in the upper part of the settling zone, removing said phases from said zone, passing the upper phase into a second mixing zone and mixing it with liquid sulphur dioxide at a temperature below 5° F., passing the admixture into a second settling zone to permit phase separation as in the first settling zone, removing said phases from said second settling zone, recycling the lower phase to the first mixing zone, passing the upper phase to a third mixing zone and mixing it with liquid sulphur dioxide and liquid propane at a temperature below 5° F., passing the admixture into a third settling zone and permitting phase separation as in the first settling zone, removing said phases from said third settling zone, recycling the lower phase to the second mixing zone, heating the upper phase from the third settling zone to remove the sulfur dioxide and propane from the low antiknock components and heating the lower phase from the first settling zone to remove the sulfur dioxide and propane from the high antiknock components.

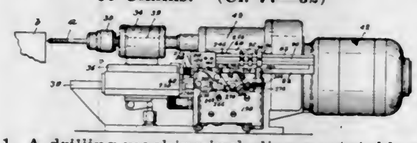
6. In the process of separating petroleum naphtha containing detonating and anti-detonating constituents into fractions which are respectively more detonating and more anti-detonating than the original naphtha, the step comprising extracting the naphtha with liquid sulphur dioxide at a temperature between 0 degrees F. and —125 degrees F. in the presence of liquid propane.

2,073,518

HYDRAULIC MACHINE TOOL

Eric J. Hirvonen, Worcester, Mass., assignor to Leland-Gifford Company, Worcester, Mass., a corporation of Massachusetts

Application October 8, 1932, Serial No. 636,855
66 Claims. (Cl. 77—32)



1. A drilling machine including a rotatable and axially movable drill holder, driving means for rotating said holder, means including a hydraulic cylinder and piston for advancing and retracting said holder, and automatically operative fluid-actuated means governed by the positions of said holder for repeatedly advancing said holder at high and low speeds to successively advanced predetermined positions from the same intermediate position where the drill is at least far enough out of the hole to enable the drill point to be bathed in a coolant.

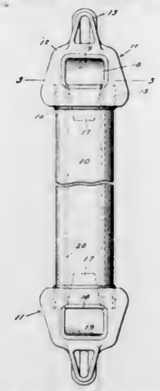
22. In a machine tool having a tool holder, hydraulic means for advancing and retracting said holder, a reversing and speed control member having retraction and fast and slow advance positions, the combination therewith of control mechanism for said control member comprising a slide movable with said holder, a series of teeth extended lengthwise of said slide, a control device slidable on said slide having a locking pawl in normal engagement with said teeth for locking said device releasably to said slide, said control device also having a cam which moves said control member into slow advance position and said control member having means which when it is in slow advance position engages a part of said locking means and moves said pawl into a position free from said teeth and also holds said control device stationary, a rocking member mounted in said control device for rocking and also for longitudinal movement therein having one end disposed in position to engage said control member and having an outstanding remote end, a series of cam dogs carried by said slide and disposed to engage said remote end and move said rocking member longitudinally and said control member into reverse position, and means to rock said rocking member into position behind a dog that operates it so as to position said rocking member for operation by a succeeding cam dog during a succeeding advance of said holder.

2,073,519

ARC EXTINGUISHING INSULATOR

Alexander M. Jackson, Chicago, Ill., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland

Application February 8, 1932, Serial No. 591,688
3 Claims. (Cl. 173—318)



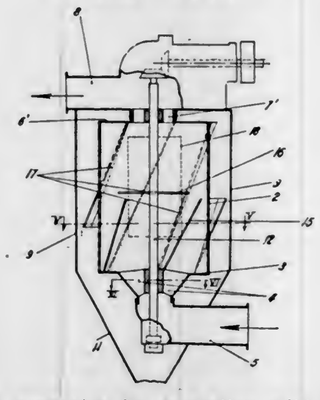
3. In an insulator, an elongated tubular body of dielectric material, a metallic cap secured exteriorly upon one end thereof, and an electrode carried by the cap and projecting into the bore of the tubular body beyond the line of the edge of the cap, said cap being formed with openings at opposite sides of the electrode, said electrode being of wedge shape and said openings having one wall flush with the end of the tubular body and having their opposite walls formed as continuations of the sides of the electrode.

2,073,520

SEPARATOR

Eugène Camille Saint-Jacques, Paris, France

Application February 7, 1935, Serial No. 5,474
In France February 22, 1934
4 Claims. (Cl. 183—77)



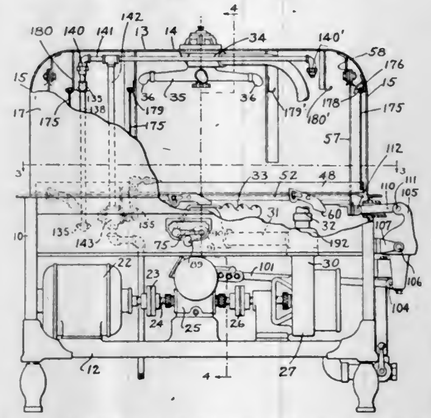
4. In apparatus for separating solid particles from a fluid suspension, a cylindrical screen rotatably mounted on a shaft, an axially located inlet conduit connected to one end of the screen, an axially located outlet conduit connected to the other end of the screen, said conduits having partitions therein which are curved to favor the gyratory movement of the suspension, said screen having a substantially unobstructed interior portion, blades secured to the inner wall of the screen inclined to aid the gyratory motion of the suspension, and a fluid-tight casing outside of said screen and spaced therefrom.

2,073,521

WASHING MACHINE

Herbert L. Johnston and David A. Meeker, Troy, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio

Application January 17, 1931, Serial No. 509,410
32 Claims. (Cl. 141—9)



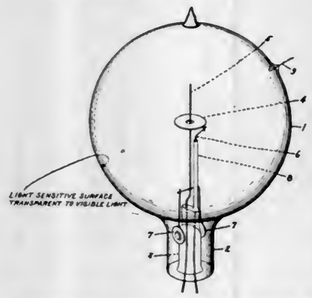
2. In a washing machine adapted to receive carriers of articles to be washed during transit through the machine; means for supporting the carriers during transit, means for advancing the carriers relatively to the supporting means, means for imparting an oscillatory movement to one of said means, said carrier advancing means comprising members spaced longitudinally of the machine adapted to engage the carriers during movement of the oscillatory means in one direction for advance of the carriers relative to the supporting means, and means for rendering at least a part of said members ineffective to advance the carriers relative to the supporting means.

2,073,522

PHOTOELECTRIC TUBE

Kenneth H. Kingdon and Hugh E. Thomson, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application November 13, 1931, Serial No. 574,804
6 Claims. (Cl. 250—27.5)



6. A photo-electric tube comprising a hermetically tight envelope coated with light-sensitive

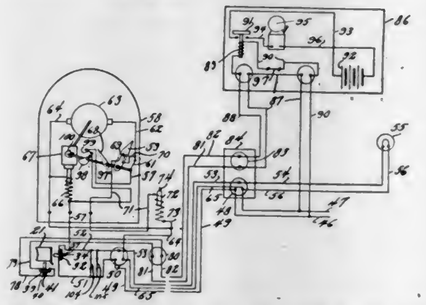
material of which all the component parts are intimately mixed to form a homogeneous layer, the film and envelope together being substantially transparent to light, and a cooperating electrode in said envelope.

2,073,523

TIME CONTROL FOR REPOSITORIES

Charles F. Mellink, Toledo, Ohio

Application June 24, 1935, Serial No. 28,176
15 Claims. (Cl. 70—269)



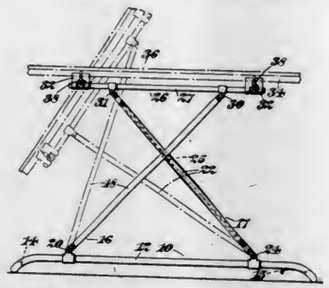
1. Receptacle safe-guarding means, in combination with a lock device including a movable member, a control for the device to effect shifting of the member, a synchronous motor timer, a circuit from the timer to the member, a switch operable by the member to control the timer, from said circuit additional circuit means controlled by the timer, and an electrically actuable release for the safeguarding means, said additional circuit means being for the release and delayed by the time.

2,073,524

STRETCHER AND SUPPORTS THEREFOR

Basil Monk, Sanderstead, and Henry John Rickwood, Hawkhurst, England, assignors to Tor Equipment Company, Limited, Surrey, England

Application September 4, 1935, Serial No. 39,136
In Great Britain September 10, 1934
5 Claims. (Cl. 128—28)



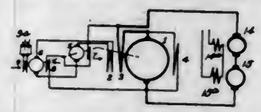
1. A device of the character described comprising in combination a base, two supports pivoted at their lower ends thereto at situations spaced apart, connecting means comprising two parallel rods to which the upper ends of said supports are pivoted at situations spaced apart so that when the supports are oscillated they impart to the rods a reciprocatory movement in the direction of length of the same and also a tilting movement, clips carried by each rod, and a stretcher detachably carried by said clips.

2,073,525

MEANS FOR CONTROLLING THE ELECTRICAL CHARACTERISTICS OF DIRECT CURRENT GENERATORS AND TRANSFORMERS

Joseph Maximus Pestarini, Grant City, N. Y.

Application August 16, 1934, Serial No. 740,132
18 Claims. (Cl. 171—123)



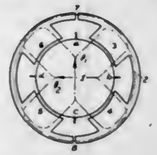
1. In combination a dynamo-electric machine including a rotor, a field exciting winding for said dynamo-electric machine, and dynamo-electric means having an excitation responsive to voltage variations of said dynamo-electric machine and energizing said field exciting winding for providing an excitation of inherently rapidly changing intensity at low machine terminal voltages until a predetermined terminal voltage and for providing a substantially constant excitation until a second predetermined machine terminal voltage to said dynamo electric machine, said last mentioned means inherently providing an excitation rapidly changing in intensity above said second predetermined machine terminal voltage.

2,073,526

DYNAMO-ELECTRIC MACHINE

Giuseppe Massimo Pestarini, Sheffield, England

Application November 8, 1934, Serial No. 752,023
In Great Britain November 15, 1933
7 Claims. (Cl. 171—123)



1. A metadyne dynamo-electric machine including an armature provided with windings and a commutator connected to said windings, means including a primary brush set associated with said commutator for providing a primary circuit through said armature and for producing a primary flux, means including a secondary brush set associated with said commutator and electrically displaced from said primary brush set for providing a secondary circuit through said armature and for producing a secondary flux, and a stator including a frame having pole pieces, each of said pole pieces being constructed and arranged with respect to other of said pole pieces to provide a stator magnetic path having a greater magnetic reluctance for one of said fluxes than for the other of said fluxes.

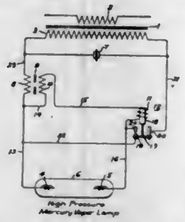
2,073,527

CIRCUIT AND APPARATUS FOR OPERATING ELECTRIC DISCHARGE LAMPS

Justin Peterson, Saugus, Mass., assignor to General Electric Company, a corporation of New York

Application February 28, 1935, Serial No. 8,632
3 Claims. (Cl. 176—124)

1. In combination, an electric discharge lamp, a transformer for supplying operating current and a second transformer for supplying ionizing current to said lamp, and means responsive to the current supplied by said second transformer for effecting an energization of said lamp by said second transformer alone during the



starting period of said lamp and for connecting said first transformer to said lamp during normal operation thereof.

2,073,528

METHOD OF MAKING PRINTING ROLLS

Moyer M. Safford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original application September 11, 1931, Serial No. 562,353. Divided and this application May 27, 1932, Serial No. 613,853
5 Claims. (Cl. 91—67.8)



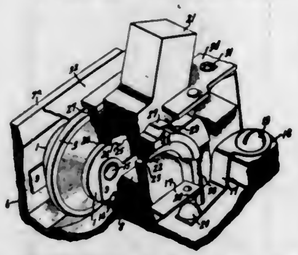
1. The method of making a printing roll which comprises providing a core with a surface layer of alkyd resin comprising the product of reaction of a polybasic aromatic acid, a polyhydric alcohol having three or more hydroxyl groups in the molecule, a dibasic aliphatic acid and a dihydric alcohol, and converting the resin to a resilient state.

2,073,529

ELECTRIC SWITCH

Robert F. Sambleson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application November 15, 1935, Serial No. 49,928
5 Claims. (Cl. 200—153)



1. In combination, a liquid contact circuit closer having opposed cup-shaped terminals, means for supporting the circuit closer for rotation about the axis of its terminals, a switch including separable contacts, a partition between said switch and said circuit closer having an arcuate surface concentric with the adjacent terminal of the circuit closer, a handle bearing on said arcuate surface and said adjacent terminal, said handle and terminal having interfitting portions for preventing relative rotation therebetween, and an operating connection between said handle and said switch.

2,073,530

SIGNAL TORCH

Harry E. Sherman, Alton, Ill., assignor to The Equitable Powder Manufacturing Company, East Alton, Ill., a corporation of Delaware

No Drawing. Application December 19, 1934, Serial No. 758,343
6 Claims. (Cl. 52—23)

1. A fuzee mixture containing an oxidizing ingredient treated with nitro-cellulose lacquer.

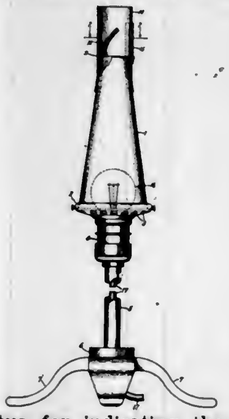
3. In the art of making timed burning mixtures for signal torches, the process comprising, preparing a colored-fire mixture containing an oxidizing ingredient, treating an additional quantity of such oxidizing ingredient with nitro-cellulose lacquer, and mixing the treated ingredient with said mixture.

2,073,531

MERCURY VAPOR DETECTOR

Thomas H. Swisher, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application October 1, 1935, Serial No. 43,028
6 Claims. (Cl. 23—254)



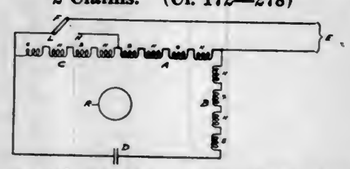
1. Apparatus for indicating the presence of physiologically harmful quantities of mercury vapor in an atmosphere, comprising a chimney shaft having an opening adjacent the bottom thereof, a selenium sulphide film sensitive to mercury mounted at the top of said shaft, and a luminous heat source of slight actinic radiation mounted adjacent the bottom of said shaft.

2,073,532

SINGLE PHASE CONDENSER MOTOR

Edwin C. Ballman, St. Louis, Mo.

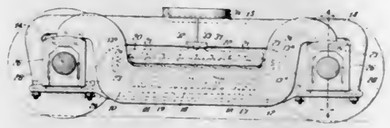
Application May 5, 1934, Serial No. 724,070
2 Claims. (Cl. 172—278)



1. A variable-speed, single-phase induction motor, comprising, a rotor having a resistance adapted for variable speed operation, a stator having a main winding and an auxiliary winding wound in magnetically angular relation to said main winding, said main winding having a low-speed running tap at one end thereof and

a high-speed running tap intermediate the ends thereof, a condenser circuit including said auxiliary winding permanently connected across the extremities of said main winding, and switching means having a low-speed running position in which the supply line is connected to said low-speed tap and a high-speed running position in which the supply line is connected to said high-speed tap whereby to increase the magnetic effect of said main winding so as to increase the running speed above that of said low-speed position, and whereby simultaneously to increase by transformer action in said main winding the voltage supplied to said condenser circuit in order to increase its magnetic effect in accordance with that of said main winding.

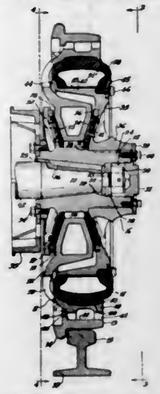
2,073,533
SPRING ASSEMBLY
George C. Batz and Howard H. Lanning, Topeka, Kans.
Application June 17, 1935, Serial No. 27,035
8 Claims. (Cl. 105—194)



1. A spring assembly comprising, in combination with a truck frame and the journal-boxes, a bottom member of substantially channel formation in cross-section throughout its horizontal portion and having upwardly disposed and downwardly curved ends adapted to straddle the truck frame and have bearing on top of the journal boxes; coil springs seated in the channel portion of said member and normally adapted to extend above the sides of the channel portion of said member; an elongated top member of substantially channel form in cross-section and coextensive with the channel portion of the bottom member and adapted to rest on the upper ends of the springs; means intermediate of the two members whereby longitudinal movement of the top member relative to the bottom member is prevented; and fulcrum means intermediate the top member and the truck frame whereby vertical tilting movement of said members relative to the truck frame is permitted.

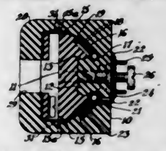
2,073,534
PNEUMATIC CUSHION RAIL WHEEL
Melville Howald, Massillon, Ohio
Application February 24, 1934, Serial No. 712,786
4 Claims. (Cl. 295—12)

1. A wheel including inner annular means, outer annular means, pneumatic means interposed between the inner and outer annular means, the pneumatic means being normally inflated and maintaining the inner and outer annular means in yielding load sustaining relationship with each other, tapered wedge means on one of the annular means, and tapered groove means on the other annular means, the wedge and groove means being normally spaced from one another radially with respect to the axis of rotation of the wheel and laterally with respect to a plane at right angles to the axis of rotation so as to limit relative movement of the inner and outer annular means with respect to each other and so as to engage each other radially and laterally and maintains the inner and outer annular means in direct load sustaining relationship with each other after a



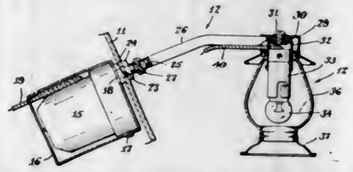
predetermined deflection of the pneumatic means.

2,073,535
SAFETY BASE RECEPTACLE
Gordon T. Kennedy, Canton, Ohio
Application January 27, 1936, Serial No. 61,026
3 Claims. (Cl. 247—3)



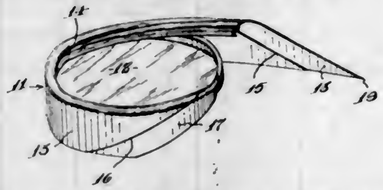
1. A base receptacle comprising an insulation member having two spaced longitudinal slots curved in cross section and open to the face of the insulation member, at least a portion of the cross section of the slots being in planes defining a dihedral angle, and requiring a plug-in member having flexible plug-in strip blades adapted to enter the slots, and conductors located at the inner ends of the slots for contact with said plug-in blades.

2,073,536
SIGNAL DEVICE FOR VEHICLES
George F. Knowles, Rehoboth, Mass.
Application December 2, 1935, Serial No. 52,491
1 Claim. (Cl. 177—329)



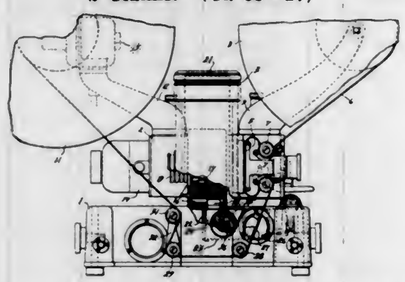
A signal device comprising a lantern, an oscillating motor embodying an oscillating movable shaft, a tube having a hollow end portion overlappingly connected with the end of said shaft and fixed thereto, the other end of said tube being flattened and said flattened portion being fixed to the top portion of said lantern and providing a support therefor, whereby oscillation of said shaft oscillates said lantern, and electricity transmitting means connected to said motor and adapted to be connected to a source of electrical supply.

2,073,537
SLIP COVER FOR CYLINDRICAL CONTAINERS
Leon E. La Bombard, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application December 12, 1934, Serial No. 757,164
5 Claims. (Cl. 229—5.5)



3. A slip cover for cylindrical containers comprising a discoidal portion and a depending flange, said flange being formed with separable overlapping portions.

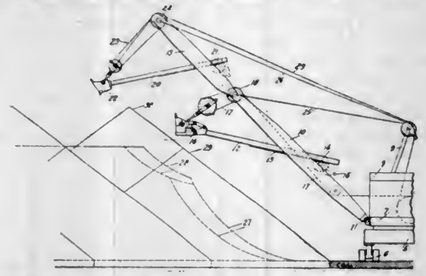
2,073,538
MOTION PICTURE MACHINE AND THE LIKE
Joseph H. McNabb, Winnetka, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1934, Serial No. 728,270
2 Claims. (Cl. 88—17)



1. In a motion picture projecting machine the combination with projection means including film feeding means, a projection lamp and a closure for said lamp, of a fan for inducing an air current through said closure for cooling said lamp, additional closure means having an intake associated with said fan and lamp closure and an outlet associated with a film fed by said feeding means and adapted to direct a current of air induced by said fan and heated by said lamp onto said film, and a humidifying device associated with said additional closure means intermediate said intake and outlet and adapted to humidify said heated air current.

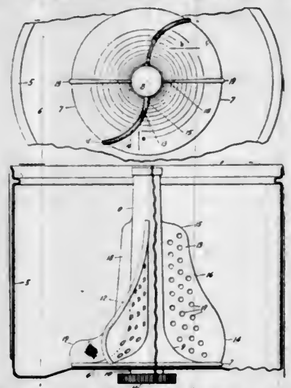
2,073,539
EXCAVATING MACHINE
Dwight J. Shelton, Marion, Ohio, assignor to The Marion Steam Shovel Company, Marion, Ohio, a corporation of Ohio
Application April 16, 1936, Serial No. 74,692
10 Claims. (Cl. 214—135)

1. In an excavating machine, an inclined boom mounted for swinging movement about a vertical axis, a plurality of excavating elements mounted at fixed points on said boom and spaced different distances from the foot thereof, means for operating said excavating elements to cause them to operatively engage the bank which is to be excavated at different levels, and means for swinging said boom to simultaneously move said



excavating elements to dumping positions at different levels.

2,073,540
AGITATOR FOR WASHING MACHINES
Theodore H. Tittle, Springfield, Ohio
Application January 25, 1936, Serial No. 60,749
1 Claim. (Cl. 259—101)

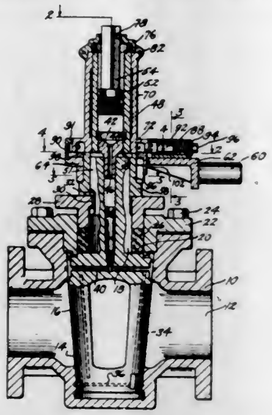


An oscillatory agitator for a washing machine comprising a base, a standard extending upwardly from said base, and substantially vertical blades arranged on opposite sides of said standard, said standard having its lower portion flared and merging into said base, each of said blades having its inner and lower edges shaped to conform to the contour of said standard and said base and secured thereto, and having a lower portion of such width that the outer edge thereof is adjacent to the edge of said base, and having a relatively upper narrow portion, each of said blades being curved about a substantially vertical axis, and other substantially vertical blades arranged on opposite sides of said standard between the first mentioned blades and having relatively narrow upper portions secured to said standard and laterally extending portions secured to said base and terminating near the outer edge thereof.

2,073,541
VALVE
Arthur J. Trott, Greensburg, Pa., assignor to Walworth Patents Inc., Boston, Mass., a corporation of Massachusetts
Application September 14, 1934, Serial No. 744,035
11 Claims. (Cl. 251—93)

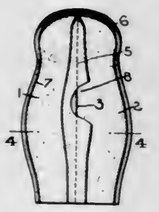
10. The combination with a lubricated valve, comprising a casing having a fluid passageway

therethrough and a valve seat, a valve member movable in said seat to control the flow of fluid through said passageway, a stem extending from said valve member and having a lubricant reservoir communicating with said seat, of a hollow member secured to the valve stem and forming an extension of said reservoir, a lubricant compressor movable within said hollow member for forcing lubricant therefrom to said seat, a sleeve rotatable on said hollow member and having driving engagement with said compressor, a



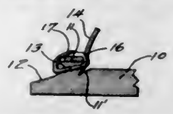
collar secured to the stem against relative rotation, a valve operating member having an annular slotted portion rotatably supported on said collar, a projection extending from said collar into said slotted portion and being engageable by the walls thereof, said projection being smaller than the slotted portion to provide for limited independent movement of the operating member, a ratchet wheel on the sleeve and a pawl carried by said operating member and engageable with said wheel.

2,073,542
BOOT TONGUE
John Thomas Walters, Toronto, Ontario, Canada, assignor to Canada Cycle and Motor Company Limited, Weston, Ontario, Canada, a corporation of Ontario, Canada
Application October 30, 1935, Serial No. 47,450
In Canada February 9, 1935
1 Claim. (Cl. 36—54)



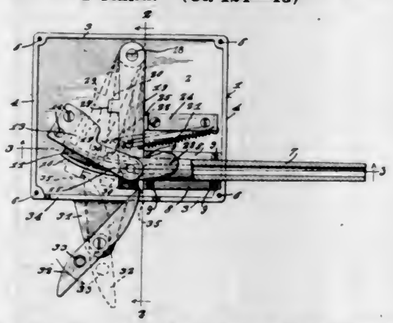
A boot tongue comprising a tongue body formed in two portions, the inner opposing edges of which are cut into compound curves each comprising a central convex portion and end concave portions, stitching forming a centre seal connecting the curved portions together, and a covering strip extending over the seam, said covering strip being wider at its centre portion than at its ends, and stitching extending along each longitudinal strip edge for securing the strip to the corresponding underlying tongue portion.

2,073,543
SHOE CONSTRUCTION
Carl G. Wernmark, Los Angeles, Calif., assignor of one-fourth to Hugo W. Landeen, one-fourth to Henning A. Landeen, and one-fourth to Arthur J. "Mac" McDonald, all of Hollywood, Calif.
Application May 12, 1934, Serial No. 725,373
11 Claims. (Cl. 36—12)



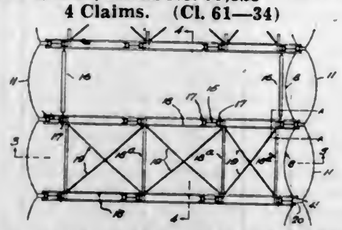
1. A shoe construction comprising a sole formed with a rib on the upper face thereof and spaced a uniform distance from the marginal edge thereof and therealong, a shoe upper having a marginal portion lying flat upon the portion of the upper face of the rib, and stitching passing laterally through the rib and then up through and over the marginal edge of the upper to hold the same.

2,073,544
TOY MACHINE GUN
Francisco S. Alonso, Brooklyn, N. Y.
Application June 28, 1935, Serial No. 28,952
1 Claim. (Cl. 124—13)



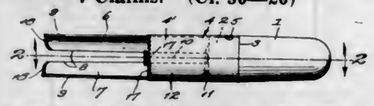
A toy machine-gun for shooting shot comprising, a flat casing adapted for location in horizontal position, a barrel having an arcuately curved breech end mounted in said casing and provided at said end with an arcuate slot in the top thereof terminating at its forward end in a shoulder portion, said barrel having an elevated ledge in front of said shoulder portion, a gravity feed magazine adapted for depositing shot on said ledge, a horizontally swingable ejector arm having a free end guided for movement on the edges of said slot and an ejector lug extending into the breech end of the barrel, said arm being tensioned against movement toward said breech end and normally bearing against said shoulder portion, a loading arm horizontally swingable to convey shot deposited on said ledge to said slot for gravitational movement into said breech end, said loading arm being tensioned against such movement and having a free end normally positioned over said ledge, a manipulative member for moving the ejector arm toward the breech end of the barrel with a wiping action, and a lug on the loading arm located in the path of movement of the ejector arm providing a pick-up connection between said arms.

2,073,545
MARINE STRUCTURE
George H. Atkinson, Mason City, Wash.
Refiled for (abandoned) application Serial No. 739,023, August 8, 1934. This application September 3, 1936, Serial No. 99,323
4 Claims. (Cl. 61—34)



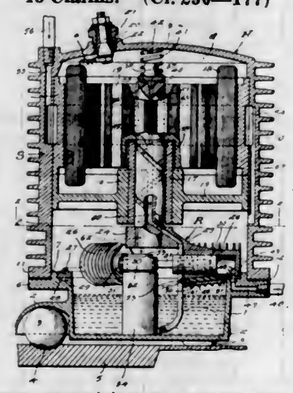
1. In a marine structure of the type described, spaced apart walls of interlocking sheet piling, cross frames spaced apart between said walls, and having means interlocking with the walls, means interlockingly connecting and spacing said frames independently of the said walls, and means for anchoring each of said frames independently of said walls.

2,073,546
PARING KNIFE
Thomas V. Baker, Chehalis, Wash.
Application June 15, 1936, Serial No. 85,377
7 Claims. (Cl. 30—20)



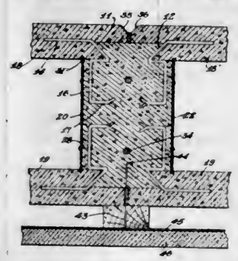
1. A paring knife comprising, a handle, a ferrule of resilient metal mounted on one end of said handle and having formed integrally therewith a pair of parallel cutting blades extending forwardly of said ferrule in side by side laterally spaced relation, said ferrule being split to provide a free flexing portion carrying one of said blades, and manipulative means for flexing said portion.

2,073,547
PUMP
Paul F. Berry, Columbus, Ohio
Application August 6, 1935, Serial No. 35,000
13 Claims. (Cl. 230—177)



1. A pump comprising, in combination, a housing, an internal annular face within the housing, an annular member resting upon said face, means for supporting said annular member for rotary movement, means for rotating said member, a cylinder carried by said annular member and extending inwardly thereof, a piston mounted within the cylinder for reciprocating movement, non-rotatable means within the field defined by the annular member for reciprocating said piston when the annular member is in rotation, a wall of said cylinder having a port therethrough, a groove extending along the face within the housing, the coacting annular member closing said groove to provide an intake port, the wall of the housing having a passageway in communication with the groove and the interior of the housing, a second groove in the face of the housing with which the port of the cylinder is also adapted to communicate, the annular member closing said second groove to provide a port, the wall of the housing having a delivery passageway in connection with the second groove, a portion of the face of the housing between the grooves maintaining closed the port of the cylinder as said cylinder travels over said intermediate portion of the face.

2,073,548
BUILDING CONSTRUCTION
Paul Betzler, New York, N. Y.
Application May 12, 1936, Serial No. 79,316
9 Claims. (Cl. 72—30)

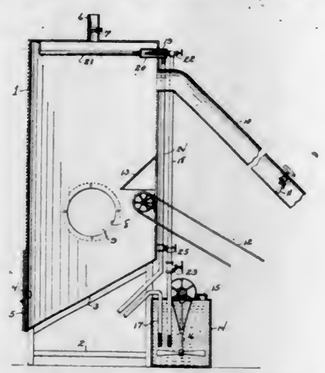


1. A building unit of the character specified, comprising a web body having its inner surface formed with a recess running along each of its lateral edges, said recess extending from the inner toward the outer surface of said body and becoming wider as it so extends, so as to form, with a similar recess of another unit placed edge to edge with said building unit, a female housing adapted to receive a male tenoned member registering therewith, and anchoring members having a part embedded within said body and a part projecting therefrom, adapted to form a bond between said units and said tenoning member when said tenoned member is obtained by pouring self hardening plastic cementitious material within said housing, whereby said tenoned member will laterally bind one of said units to the other.

2,073,549
PULVERULENT MATERIAL TREATING APPARATUS
Edward Butts, Georgetown, Colo.
Application February 18, 1936, Serial No. 64,589
1 Claim. (Cl. 259—18)

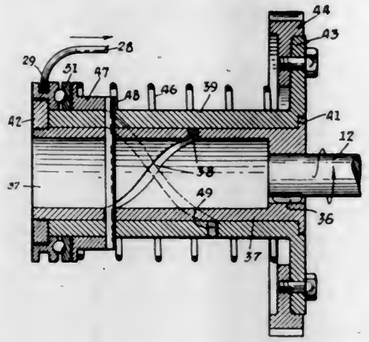
An apparatus for treating ore tailings comprising a tank, discharge means for said tank, vent means for said tank, pneumatic and endless conveyors connected to said tank for delivering tailings of different grades into said tank with one grade of tailings delivered into the tank above the other grade of tailings, a mixing chamber extending into the upper end of the tank above

said conveyors, a jet extending into said mixing chamber, a perforated coiled discharge pipe connected to the mixing chamber and arranged in the tank above the discharge ends of the conveyors, an air supply pipe connected to the mix-



ing chamber, a supply pipe connected to the mixing chamber, a supply pipe connected to the jet, a reservoir connected to the supply pipe of the jet and adapted to receive liquid ingredients capable of forming a binder, and a power driven agitating means operating in said reservoir.

2,073,550
ADJUSTING MEANS
Clarence S. Crakes and Frank W. Crakes, Santa Maria, Calif.
Application November 20, 1934, Serial No. 753,974
1 Claim. (Cl. 74—395)



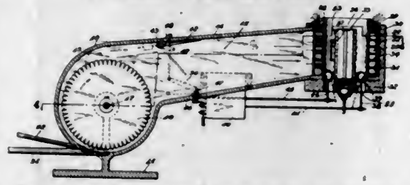
In a device for advancing or retarding a revolving shaft comprising a cylindrical member secured to said revolving shaft, a spiral slot formed in said cylindrical member, a tubular member surrounding said cylindrical member and freely rotatable thereon, said tubular member having a spiral slot formed therethrough, said slot being spiralled in a direction reversed to that in the first mentioned spiral, means for rotating said tubular member, a pin extending through said slots formed in said tubular member and said cylindrical member and having its ends secured in a slidable collar longitudinally movable on said tubular member, means for moving said collar longitudinally from a remote point, and spring means for returning said collar to its normal running position.

2,073,551
COUNTING DEVICE
Victor N. Crasnoff, Alton, Ill.
Application November 4, 1935, Serial No. 48,109
3 Claims. (Cl. 273—148)



1. A set of counters for playing the game of bridge comprising three series of counters visually readily distinguishable one from the other, the first series being adapted for keeping track of points representing the winnings or losses of one player to another, and the second and third series being adapted for keeping track of points representing partial scores, for example, each of said series comprising a plurality of unit counters of various denominational values.

2,073,552
OIL GASIFIER AND BURNER
Aldo Curioni, Yorktown Heights, N. Y., assignor to The Gasolaire Corporation, New York, N. Y., a corporation of New York
Application March 13, 1934, Serial No. 715,335
7 Claims. (Cl. 158—53)

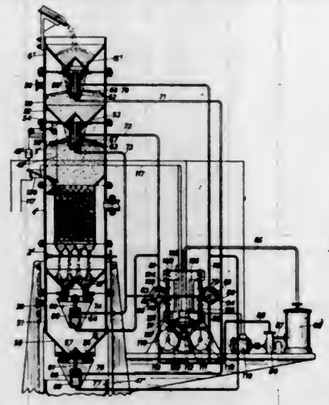


1. In a gasifying and burning apparatus for liquid fuels, a burner comprising an outer and an inner shell forming an annular gasifying and mixing chamber, having an air inlet and having a gas outlet at its upper end, an igniting unit within said inner shell, means for spraying liquid fuel directly against the outer surface of said inner shell, means for supplying a current of air under pressure through said inlet to said chamber, so as to form a fuel-air combustible mixture with said fuel, before it issues from said outlet, means for directing part of said mixture within, and against the inner surface of said inner shell in proximity to said igniting unit to initiate its combustion and thus raise the temperature of said inner shell to the point required for the vaporization of the fuel, and heat insulating means surrounding said outer shell.

2,073,553
APPARATUS FOR DRYING GRAIN
Karl Dienst, Hildesheim, Germany
Application November 25, 1935, Serial No. 51,533
In Germany June 26, 1933
15 Claims. (Cl. 34—34)

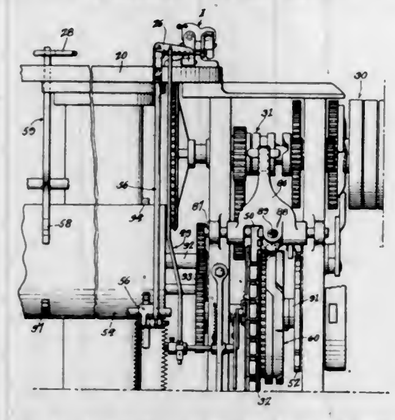
1. An apparatus for drying grain, comprising an upright shaft having a grain supplying chamber near its top, a grain delivering chamber near its bottom, a vacuum chamber intermediate the said top and bottom chambers, evacuating means for said vacuum chamber, means for opening and closing said vacuum chamber relatively to said supplying chamber, the said vacuum chamber comprising three sections located one above the other and continuously communicating with one another, and heating means for the intermediate section, the uppermost section being constructed for storing the grain, the intermediate section for

evaporating the humidity of the grain, and the lowermost section for continuously receiving the dried material from the intermediate section, and automatic intermittently-acting means for supplying the grain to be dried and for causing the



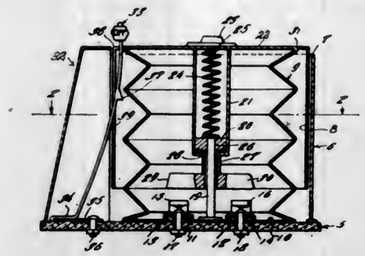
dried grain to be delivered from said lowermost section in which said opening and closing means and said intermittently-operating means each comprises a cylindrical vertically movable slide valve.

2,073,554
AUTOMATIC CIRCULAR KNITTING MACHINE
Vincent C. Elwell, Northfield, Vt., assignor to Oliver Iselin and Floyd W. Jefferson, New York, N. Y., copartners doing business as Iselin-Jefferson Company
Application December 20, 1934, Serial No. 758,519
6 Claims. (Cl. 66—48)



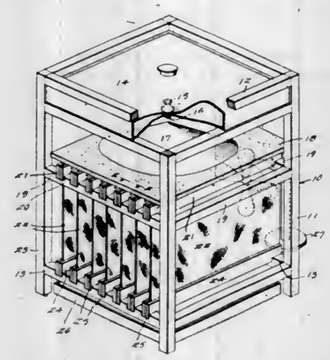
2. In an automatic circular knitting machine for producing finished welt, rib and plain fabric hose having a two course gusset in each side of the heel and toe pocket and including the usual timing chain, a needle cylinder including long butt and medium butt needles, a cam mechanism for lowering all of the long butt and medium butt needles on one revolution of the cylinder preparatory to knitting a gusset, an actuating mechanism for said cam mechanism, and means carried by the timing chain for operating said actuating mechanism.

2,073,555
SWITCH
Cecil C. Howell, McPherson, Kans.
Application May 26, 1934, Serial No. 727,819
9 Claims. (Cl. 200—159)



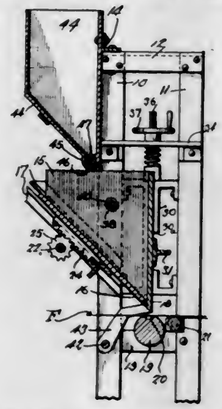
1. A switch of the character indicated comprising a base having a pair of insulated contacts thereon, a guide rising from said base adjacent said contacts, a contact bridging member slidable on said guide into and out of bridging relation with said contacts, bellows container means surrounding and enclosing the structure described and rising from said base said bellows container means being arranged to contain a quantity of liquid for lubricating the parts and quenching arcing between said bridging member and said contacts, said bellows means normally supporting said bridging member out of contact with said contacts.

2,073,556
AIR COOLER
Samuel Vernon Kivett, Harrisonville, Mo.
Application August 20, 1936, Serial No. 97,055
4 Claims. (Cl. 261—103)



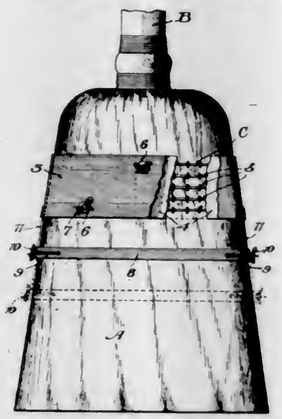
1. An air conditioning means comprising a frame, a liquid reservoir carried by the frame in the upper portion thereof, a plurality of parallel spaced apart absorbent members disposed below the reservoir within the frame, a valve carried by the reservoir substantially centrally thereof for regulating the flow of liquid therefrom, a moisture spreading means interposed between the valve and the absorbent members to spread the moisture about the surface of said members, said spreading means including an absorbent sheet contacting with the upper ends of said members and a non-absorbent spreading member disposed between said spreading means and said sheet.

2,073,557
ADHESIVE SUPPLY AND SPREADING ATTACHMENT FOR FABRIC COATING MACHINES
Harry K. Lea, Johnstown, N. Y., assignor to Kenlea Manufacturing Corp., Johnstown, N. Y.
Application March 28, 1935, Serial No. 13,575
4 Claims. (Cl. 91—30)



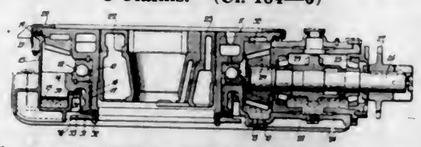
1. In an adhesive supply and spreading attachment for fabric coating machines, a frame structure, a hopper and spreader knife carried thereby, a grooved shaft beneath the spreader knife over which the fabric to be coated is adapted to pass, the spreader knife constituting the forward wall of the hopper, guides for the opposite side edges of the spreader knife carried by the frame structure, and a tensioned screw adjusting device for the spreader knife associated with the frame structure and upper end of the spreader knife.

2,073,558
BROOM
Osher Linder, Pittsburgh, Pa.
Application August 17, 1936, Serial No. 96,493
2 Claims. (Cl. 15—168)



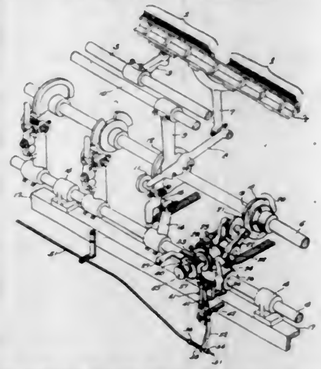
1. The combination, with a broom having stitching through its mass of filaments near the top, of a band of elastic fabric under tension around the filaments over the stitching, and a lining of moisture-repellant sheet material interposed between said band and stitching.

2,073,559
ROTARY FOR WELL DRILLING
August R. Maier, Dallas, Tex., assignor to Oil Well Supply Company, Dallas, Tex., a corporation of New Jersey
Application November 22, 1934, Serial No. 754,319
5 Claims. (Cl. 184—6)



1. A well drilling rotary which comprises a rotary table having a downwardly depending sleeve, a bearing about said sleeve, a lubricant reservoir, gearing for driving said table and carrying lubricant from said reservoir into said bearing, a sump carried by said sleeve below said bearing in position to receive lubricant therefrom and having an upper edge above the liquid level of said reservoir over which lubricant may pass under centrifugal force, and means to convey said overflow lubricant to said reservoir.

2,073,560
ATTACHMENT FOR HOSIERY KNITTING MACHINES
Earl Margerison, Elkins Park, Pa., assignor to Northwood Hosiery Co., Philadelphia, Pa., a corporation of Pennsylvania
Application August 30, 1935, Serial No. 38,628
8 Claims. (Cl. 66—82)

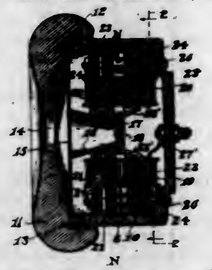


1. The combination with variable stitch-regulating means of a knitting machine which includes a composite lever structure comprising a pair of sections, cooperating nut and screw elements carried by said lever for varying the angle between said sections, and means for intermittently turning one of said elements relative to the other consistently in one direction for gradually decreasing the angle between said lever sections, producing a corresponding gradual reduction in the length of stitch produced by said machine.

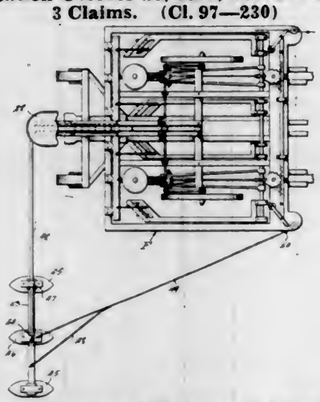
2,073,561
SOUND REPRODUCING MEANS
John McCracken, Burgettstown, Pa.
Application August 16, 1934, Serial No. 740,175
3 Claims. (Cl. 179—119)

1. In a sound reproducer of the class described, a hollow casing open at one end, an ear piece detachably applied to the open end of the casing, a diaphragm clamped between the ear piece and

walls of the casing at the open end thereof, an armature carried at the inner side of the diaphragm and located intermediate the depth thereof, pairs of magnets within the casing having their ends extending towards each other and overlying opposite ends of the armature, and pole-pieces extending from each end of each of the magnets at opposite sides thereof and disposed at opposite sides of a respective end of the armature with their free ends bent laterally to project toward the armature, magnet windings on each of said pole-pieces, the said windings being oppositely wound and in series with each other and with a source of signal current whereby to alternately aid and oppose the magnetization of the pole-pieces at opposite sides of the armature and cause the latter to have reversed directional movement relative to the pole-pieces corresponding to an increase and decrease in the strength of the magnetic fields in each half cycle of flow of the signal current through the magnet windings.

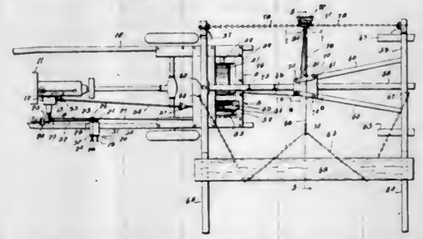


2,073,562
MARKER FOR COMBINED PLANTERS AND CULTIVATORS
Edward W. Owens, Sioux City, Iowa
Application October 26, 1935, Serial No. 46,953
3 Claims. (Cl. 97—230)



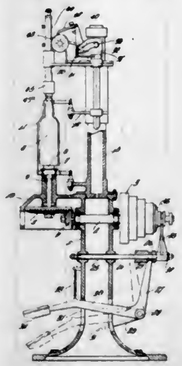
1. In combination with a corn planter and cultivator comprising a main frame, a gauge marker including an elongated marker gauge bar operatively carried by the frame for swinging movement in a vertical direction, a marker beam disposed in the same general direction as the bar, the outer end portion of the bar being in pivotal connection with the central portion of the beam, wide marker runners carried by the end portions of the beam, a central marker runner carried by the beam, a flexible bracing member operatively engaged with the outer portion of the marker beam and with the frame.

2,073,563
LOG LOADING DEVICE
Lonnie H. Phillips, New Albany, Miss.
Application May 28, 1936, Serial No. 82,353
5 Claims. (Cl. 214—85)



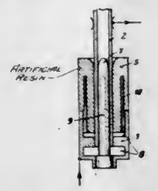
1. A device of the class described having a frame onto which logs are adapted to be rolled, a flexible element disposable beneath the log, means to draw the flexible element whereby the log will be rolled onto the frame, said means comprising a windlass, and means to operate the windlass, said frame including an upright, flexible elements connecting the upright on opposite sides to the frame, a hook on the upright engaging the frame, guide means on the upright over which the draw element passes, portions of said first mentioned means being located above and below the flexible elements and movable in substantially the same vertical plane and in opposite directions.

2,073,564
MANUFACTURE OF WRAPPINGS
Albert Reppman, deceased, late of London, England, by Maria Reppman, executrix, West Kensington, London, England, assignor to Woodwool Wrappings Limited, London, England, a company of Great Britain
Application June 15, 1936, Serial No. 85,445
In Great Britain December 20, 1935
11 Claims. (Cl. 93—2)



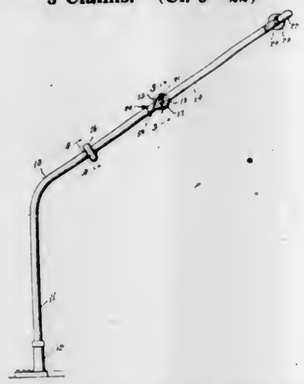
1. A machine for forming fibrous wrappings around bottles and the like comprising a standard, a rotary platform thereon for supporting a bottle, hinged cover elements adapted to enclose said bottle, means for engaging and holding the upper end of said bottle, a power shaft, a clutch for coupling said shaft to driving means, an operating spindle, connections actuated by said spindle to lock the bottle in place and close the cover before rotation of the bottle commences and an operating pedal for actuating said spindle and said clutch.

2,073,565
ELECTRIC CIRCUIT BREAKER
Sigwart Ruppel, Berlin, Germany; Frida Strauss, née Ruppel, heir of Sigwart Ruppel, deceased
Application January 7, 1936, Serial No. 57,940
In Germany July 2, 1935
24 Claims. (Cl. 200—144)



1. An electric circuit-breaker including an insulating member which is exposed to the arc or spark produced when the circuit is broken and which gives off gas or vapour as a result of the action of said arc or spark, wherein said member consists wholly or partly of artificial resin containing nitrogen as a chemical constituent.

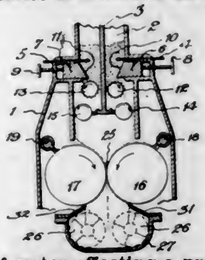
2,073,566
PORTABLE EXTENSION FOR DAVITS
George C. Scheubner, Essex, Conn.
Application September 26, 1935, Serial No. 42,324
3 Claims. (Cl. 9—22)



1. An extension for davits, comprising a spar, means intermediate of the ends of said spar to pivotally secure it to a davit terminal, a laterally directed hook on one end of said spar to engage the davit, and hoisting and lowering means on the other extremity of the spar.

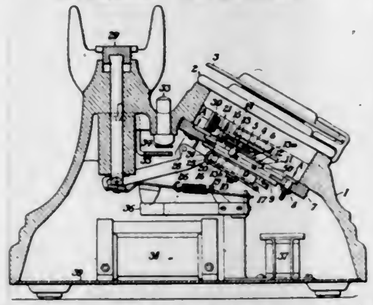
2,073,567
AUTOMATIC MACHINE FOR THE MANUFACTURE OF ALIMENTARY PASTE
Giustino Sciarra, Isernia, Italy
Application January 17, 1935, Serial No. 2,312
In Italy January 19, 1934
1 Claim. (Cl. 107—30)

Preliminary mixer for continuously working paste-preparing apparatus, more particularly for paste presses, the mixer comprising independently regulable delivery means for water and meal or grit, a pair of rollers, scrapers for bearing against the lower portion of the cylindrical surfaces of the rollers, a moistening device applying a film of water to each cylindrical roller surface and a spraying device arranged over the upper periphery of each roller between said moistening device and the gap between the rollers, whereby the dry substance is delivered as a uniform veil



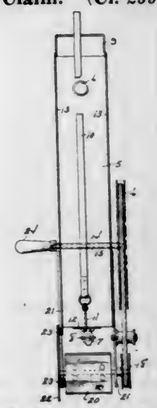
to the film of water effecting a preliminary mixing of the mixture ingredients.

2,073,568
MANUALLY OPERABLE SELECTOR
Edward Shipton, London, England
Application June 19, 1935, Serial No. 27,429
In Great Britain June 21, 1934
19 Claims. (Cl. 179—90)



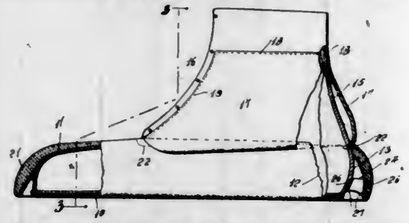
1. A manually operable selector comprising at least two groups of contacts, a wiper cooperating with each of said contact groups, a manually operable member to move said wiper on to a contact, and discriminating means for selecting the contact group over which a signal is transmitted.

2,073,569
LIQUID SPRAYER
William Somondson, Thief River Falls, Minn.
Application November 12, 1935, Serial No. 49,404
1 Claim. (Cl. 299—63)



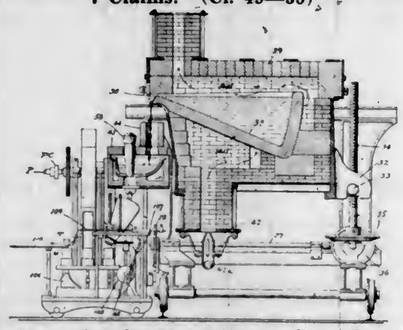
A device of the character described comprising an elongated tank and having flanges extending beyond one longer side thereof, a bracket arm secured to each flange and extended beyond one end thereof, a valved faucet on said tank between the brackets for delivering a liquid therefrom, a bladed sprayer wheel between said brackets and having an axle journaled therein to locate the said wheel in confronting relation to the faucet, a belt wheel having an axle journaled in said flanges for locating the said belt wheel at one side of the tank, a belt pulley fixed to the axle of the said bladed wheel in alignment with the belt wheel, an endless belt trained over the belt wheel and said pulley, and a shield plate having hooked engagement with one of the brackets for disposing the said shield beyond one end of the bladed wheel on the side thereof opposite the said pulley.

2,073,570
SWIMMING SHOE
Frank S. Sutherland, Chicago, Ill.
Application June 16, 1936, Serial No. 85,583
2 Claims. (Cl. 9—21)



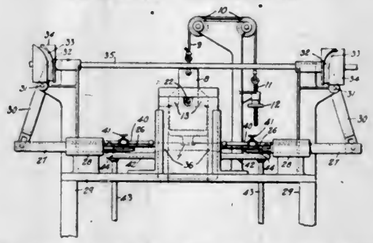
1. A swimming shoe having a counter, quarters and heel portions, a flap member surrounding the shoe counter, quarters and heel portions and having its upper edge secured to the upper edge of said portions and its lower edge spaced from the lower edges of said portions providing a space to catch water during a swimming driving stroke.

2,073,571
GLASSWORKING APPARATUS
Theodore C. Steimer, Dormont, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application February 12, 1910, Serial No. 543,582
7 Claims. (Cl. 49—55)



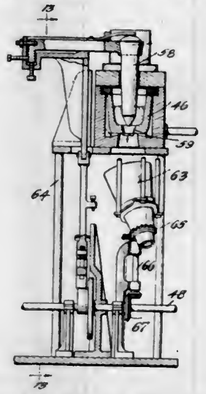
3. Apparatus for separating molten glass into mold charges, including a container for the glass having an outlet, an implement projecting into the glass towards the outlet and mounted for movement towards and from the outlet, means for periodically moving said implement towards and from the outlet, and means for adjusting the position of the implement towards the outlet, and for independently varying the movement of the implement away from the outlet.

2,073,572
FEEDING MOLTEN GLASS
Karl E. Peiler, Hartford, Conn., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application March 10, 1914, Serial No. 823,694
33 Claims. (Cl. 49—55)



2. In apparatus for feeding molten glass for mold charges, a heated chamber, means for flowing, suspending, and accumulating masses of the glass in the chamber, and severing means movable into and out of said chamber.

2,073,573
GLASS FEEDING MECHANISM
Theodore C. Steimer, deceased, late of Pittsburgh, Pa., by Charles M. Steimer, executor, Zanesville, Ohio, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Original application February 12, 1910, Serial No. 543,582. Divided and this application October 27, 1925, Serial No. 65,185. In Canada January 26, 1918
3 Claims. (Cl. 49—5)

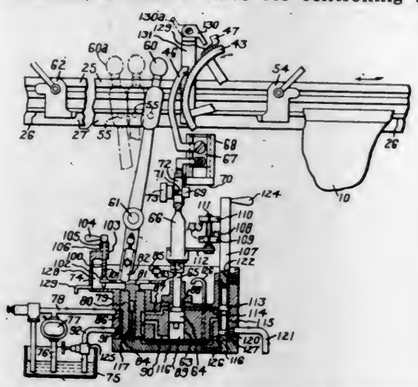


1. The combination with means to feed charges of glass and a pressing machine fed thereby, of a revolving cone adapted to receive charges of glass and deliver them to the molds of the pressing machine.

2,073,574
HYDRAULICALLY OPERATED WHEEL FEEDING MECHANISM
Wallace H. Wood, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application July 16, 1935, Serial No. 31,633
13 Claims. (Cl. 51—165)

1. A grinding machine comprising a longitu-

dinally movable work supporting table, a transversely movable grinding wheel slide, means including a reversing lever to reciprocate said table, a feeding mechanism operatively connected to cause a transverse feeding movement of said slide, a fluid pressure piston and cylinder operatively connected to actuate said feeding mechanism, a control valve for controlling the



admission of fluid under pressure to said cylinder, and means including a pilot valve actuated in timed relation with said piston to control the admission of fluid to actuate said control valve so as to cause a continuous reciprocation of said piston and to continuously actuate said feed mechanism so as to produce a straight-in or plunge-cut feeding movement of the grinding wheel slide.

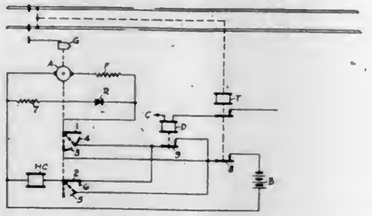
2,073,575

SNUBBING MEANS FOR SEMAPHORE SIGNALS

Stanley C. Bryant, Des Plaines, Ill., assignor to General Railway Signal Company, Rochester, N. Y.

Application June 21, 1934, Serial No. 731,714

7 Claims. (Cl. 246—243)



5. A snubbing device for motor operated semaphore signals comprising, a rectifier connected across the motor and arranged to block flow of operating current which is supplied to the motor.

2,073,576

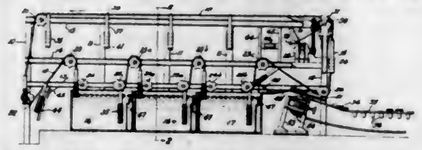
APPARATUS FOR CLEANING CELLULAR RADIATORS

Ernest B. Climenhaga, Stevensville, Ontario, Canada, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.

Application January 18, 1935, Serial No. 2,405

4 Claims. (Cl. 141—1)

1. In a machine for washing cores, a frame, an endless conveyor mounted on said frame, drive means for the conveyor, core-receiving baskets suspended from said conveyor for free swinging movement, a tank disposed below the conveyor and positioned to permit successive immersion of the baskets therein, a plurality of steps secured adjacent one extremity of the tank,



said steps being positioned in the path of the free extremities of the baskets as they emerge from the tank and adapted to be impacted successively by said ends of the baskets.

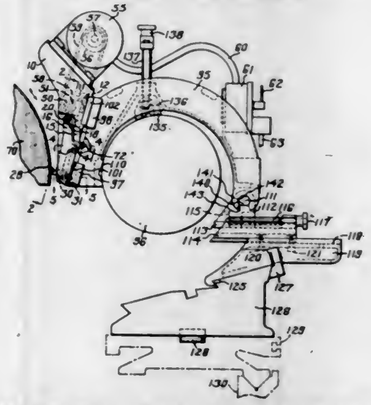
2,073,577

GRINDING WHEEL TRUING ATTACHMENT

Raymond A. Cole, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application July 30, 1935, Serial No. 33,868

10 Claims. (Cl. 125—11)



1. A grinding wheel truing apparatus for grinding machines comprising a frame, a reciprocable slide thereon, means to reciprocate said slide, a truing tool carried by said slide, means including a forming bar to move the tool transversely when the slide is reciprocated so as to produce a predetermined form or contour on the operative face of the grinding wheel, and means to adjust the position of the frame to vertically adjust the path of the truing tool relative to the grinding wheel so as to modify the contour produced by said tool on the face of the grinding wheel.

2,073,578

METHOD OF REFINING HYDROCARBON DISTILLATES

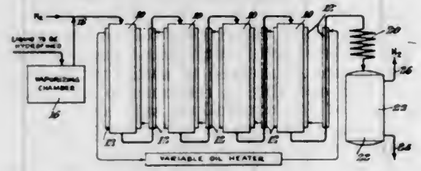
Marion Hayes Gwynn, Leonia, N. J.

Application January 10, 1933, Serial No. 650,997

15 Claims. (Cl. 196—24)

1. A method of hydrofining hydrocarbon distillates and like materials, which comprises contacting the material in the presence of hydrogen and in a series of similar stages with a catalyst susceptible to sulphur poisoning at a maximum temperature between about 75° C. and the temperature at which substantial pyrolysis occurs with said material, and adjusting the temperature of each of the series of similar stages so that relatively equal amounts of hydrofining occur in each of said stages, while maintaining the pressure of each stage sufficient to sustain uniform hydrofining.

10. A method of hydrofining light hydrocarbon distillates and like materials, which comprises continuously passing the material in the vapor state with an excess of hydrogen in stages and in contact with a catalyst susceptible to sulphur poisoning and comprising a metal selected from the group which consists of cobalt, nickel and copper, at a temperature between 75° C. and about 160° C., then raising the catalyst temperature in a time gradient at first rapidly then more slowly, and continuing to raise the temperature of the catalyst as a whole until nearly spent at about 300° C. or until substantial hydrogen sulphide formation begins, while maintaining the difference between the temperature extremes of the time gradient greater than about 120° C. and the difference between the temperature extremes of the space gradient substantially less than that of the time gradient, and a pressure on each stage between about 1 and 20 atmospheres and a total time of contact at least until the hydrofined material is doctor sweet.



12. A method of hydrofining hydrocarbon distillates and like materials, which comprises contacting the material in the liquid state with an excess of hydrogen and in a plurality of stages with a catalyst susceptible to sulphur poisoning and readily reducible, at a series of elevated and increasing temperatures in progressive stages but below the temperature at which substantial quantities of hydrogen sulphide are formed therein, each portion of the liquid material being subjected to said series of temperatures which comprises an ascending space gradient, maintaining the temperature of the last stage of said gradient between about 35° C. and about 90° C. greater than that of the first stage, and a superatmospheric pressure on each stage but less than about 100 atmospheres of hydrogen, then separating the hydrofined liquid and further contacting more untreated liquid material under like conditions but at a generally higher series of space gradient temperatures, said general increase comprising a time gradient, and repeating said separation and further contact of said liquid at still higher temperatures until the total increase in the time gradient measured along corresponding stages of the space gradient is more than about 10° C. but not greatly in excess of about 20° C.

2,073,579

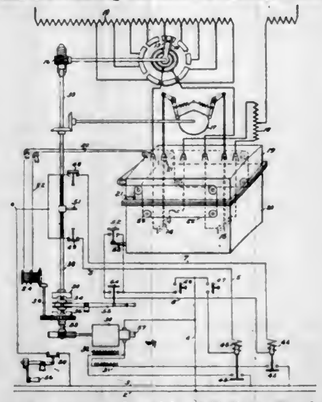
TAP CHANGING MECHANISM

Leland H. Hill, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application August 25, 1934, Serial No. 741,417

9 Claims. (Cl. 171—119)

1. A tap changing mechanism comprising a transformer winding provided with taps, switches connected to said taps, a housing for said mechanism provided with a removable portion, means for operating said switches and means for utilizing said operating means to raise or lower said removable portion from said housing said last said means including an interlocking means preventing operation of said switches during raising or lowering of said removable portion.



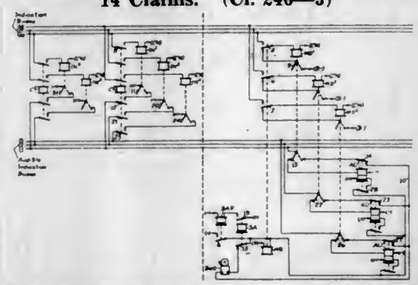
2,073,580

CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application March 24, 1933, Serial No. 662,542

14 Claims. (Cl. 246—3)



1. A signalling system for indicating a change in the condition of any one of a plurality of devices, comprising a control relay, contacts operated by each of said devices for establishing a pick-up circuit for said control relay, an energizing circuit for said devices, a storing relay common to a plurality of said devices, means for simultaneously operating any one of said devices and said storing relay over said energizing circuit and means controlled by said storing relay for rendering all of said contacts ineffective to establish said pick-up circuit.

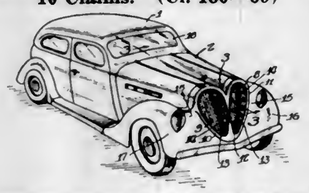
2,073,581

VEHICLE

Willard L. Morrison, Lake Forest, Ill.

Application May 15, 1936, Serial No. 79,893

10 Claims. (Cl. 180—69)



1. A vehicle comprising a hood, said hood hav-

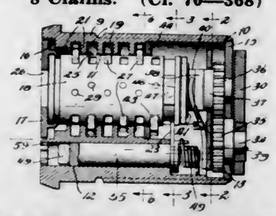
ing a longitudinal groove along the top middle portion thereof for the line of sight of the driver, whereby the driver is able to see the road near the front of the vehicle.

2,073,582
REFLECTOR FOR ELECTRIC HEATERS
Shirley Puffer Morse, East Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application December 9, 1935, Serial No. 53,586
4 Claims. (Cl. 219—34)



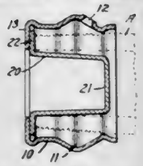
1. In a reflector, a reflecting surface composed of two or more concentric annular rings, each of said rings having a generatrix comprising a portion of a different parabolic curve, said curves having common axes, and the axis of said annular rings being parallel to and spaced from the axis of said parabolic curves.

2,073,583
REMOVABLE LOCK
Phillip W. Olson, Grand Rapids, Mich., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application June 10, 1935, Serial No. 25,709
8 Claims. (Cl. 70—368)



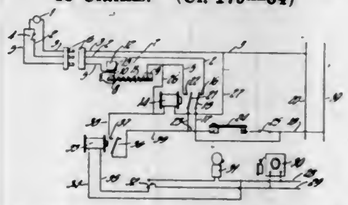
1. In a lock having a barrel and a key operated tumbler cylinder mounted in the barrel for rotation, the cylinder having a peripheral groove having a depression in its bottom surface and a cam rotatably mounted in the barrel adjacent the cylinder, the cam being rotatable into or out of engagement in said groove when the cylinder is rotated to bring said depression opposite the cam, and the cam having a concave end surface cooperating with the bottom of the groove to prevent its rotation when the said bottom depression is not in registration therewith.

2,073,584
PROTECTOR
Alden E. Osborn, New York, N. Y., assignor to Simplex Improvements, Inc., New York, N. Y., a corporation of Delaware
Application September 13, 1935, Serial No. 40,393
7 Claims. (Cl. 138—96)



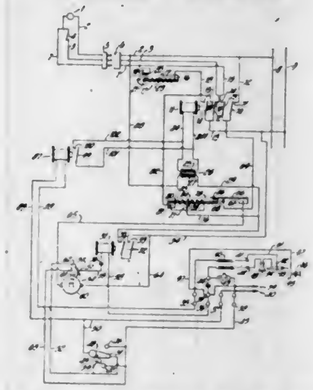
1. The combination of a protector comprising a rigid cylindrical shell adapted to be placed adjacent a cylindrical surface of a member to be protected and a flange at one end of said shell, and a cup-shaped liner closed at one end, a flange at the other end and an intermediate cylindrical portion, the flange of the liner being adapted to be engaged by the flange of the protector to hold the liner in place.

2,073,585
TELEPHONE SYSTEM
Anthony J. Parissi, Cohoes, N. Y.
Application December 11, 1933, Serial No. 701,747
18 Claims. (Cl. 179—84)



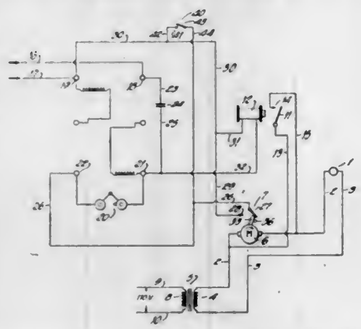
1. In a telephone system, a first electrical circuit comprising telephone trunk lines having an audible signaling device connectible therewith, a second electric circuit including a visual signaling device, means connected in said first mentioned circuit and operable in response to an energization thereof for controlling said second circuit and means connected in series with said visual signaling device and operable upon a failure of current flow therethrough to connect said audible signaling device in said first mentioned circuit.

2,073,586
TELEPHONE SYSTEM
Anthony J. Parissi, Cohoes, N. Y.
Application November 27, 1935, Serial No. 51,733
22 Claims. (Cl. 179—84)



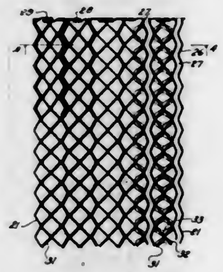
1. In a telephone system, a first electric circuit comprising telephone trunk lines and an audible signaling device connectible therewith, a second electric circuit including a visual signaling device and means for maintaining said audible device in open circuit, and means connected in said first mentioned circuit and operable in response to an energization thereof for controlling said visual signaling device and connecting said first mentioned means in series therewith; whereby upon a failure of operation of said visual signal said first mentioned means will close the circuit to said audible device.

2,073,587
TELEPHONE SYSTEM
Anthony J. Parissi, Cohoes, N. Y.
Application November 27, 1935, Serial No. 51,734
11 Claims. (Cl. 179—84)



1. In a telephone system, a first electric circuit comprising telephone trunk lines and an audible signaling device connectible therewith, a second electric circuit including a visual signaling device and means connected in series therewith for normally maintaining said audible signaling device in open circuit, and means connected in said first mentioned circuit and operable in response to an energization thereof for controlling an operation of said visual signaling device; said first mentioned means being operable upon a failure of current flow in said second mentioned circuit to connect said audible signaling device in said first mentioned circuit.

2,073,588
AUTOMOBILE RADIATOR CORE
Stanislaus Przyborowski, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application January 18, 1935, Serial No. 2,390
8 Claims. (Cl. 257—130)

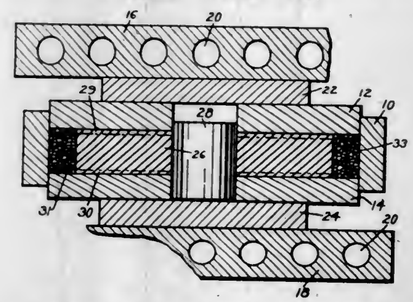


1. In a radiator core having opposed water tanks and a cellular core interposed between and connected to said tanks, said core being formed of a plurality of rows of ribbons contacting at their margins to define water passages and other ribbons interposed therebetween to space the water passages and define transverse air passages, the provision of multiple thicknesses of ribbons at the corners and adjacent said tanks, and contacting said first named ribbons at the marginal portions thereof, said multiple thicknesses of ribbons contacting at least both ribbons of the outermost water passages.

2,073,589
PRODUCTION OF ETHANE DITHIO ETHERS
Walter Reppe and Fritz Nicolai, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 30, 1935, Serial No. 33,830. In Germany August 1, 1934
5 Claims. (Cl. 260—151)

1. The process of producing ethane dithio ethers which comprises treating a vinylthio ether, selected from the group consisting of vinyl ethers of mono- and polyvalent aliphatic and isocyclic mercaptans with a mercaptan selected from the group consisting of mono- and polyvalent aliphatic and isocyclic mercaptans.

2,073,590
METHOD OF MAKING ABRASIVE WHEELS
Baalis Sanford, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application February 19, 1935, Serial No. 7,190
3 Claims. (Cl. 51—278)



1. The method of making an abrasive wheel having a resinoid core and a bonded abrasive rim comprising the steps of molding a preformed, dense central support therefor of greater thickness and smaller diameter than its final dimensions, the material thereof being identical in volume with its final volume and comprising a resinoid composition in a potentially-reactive condition and compressed to substantially its final density, positioning the preformed support in the center of a mold of the dimensions of the wheel desired, depositing a mixture of abrasive grains and potentially-reactive, thermo-setting resinoid in the mold against and surrounding the peripheral face of the central support, heating and simultaneously pressing both the resinoid support and said mixture in the mold and causing the resinoid material of the support to flow radially outwardly toward the rim portion and hydrostatically apply lateral pressure to the abrasive mixture therein while it is being compacted vertically, and thereafter heat setting the material in the mold to convert and mature the resinoids and form an integral wheel structure.

2,073,591
SANITARY NAPKIN
Harry J. Schaeffer, New Brunswick, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey
Application July 14, 1934, Serial No. 735,249
2 Claims. (Cl. 128—290)

2. A sanitary napkin comprising a filling of cellulosic material, a gauze casing, and an intervening carded sheet or film of soft fibrous cotton

containing a light size to strengthen the film without impairing its inherent down-like feel, said



sizing permitting normal passage of fluids but effective to prevent lateral spreading thereof.

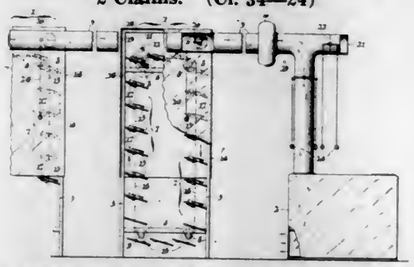
2,073,592

LEATHER DRYING

Wallace T. Backus, Philadelphia, Pa., assignor to J. Edwards & Co., Philadelphia, Pa., a corporation of Pennsylvania

Application November 26, 1935, Serial No. 51,576

2 Claims. (Cl. 34—24)



1. A shoe drying apparatus comprising a vertical movable rack in which the horizontal movement is relatively small in comparison to the vertical movement, a dehumidifying unit producing a drying medium at substantially atmospheric temperature, an open bottomed hood attached to said dehumidifying unit by a conduit having a substantially horizontal discharge into the top portion of the hood, said hood being suspended over the upper portion of said rack to form the discharged drying medium into a slowly changing body merging with the atmosphere at its open end, and a means for slowly introducing the dehumidified medium by a gradual diffusion from the top of said hood.

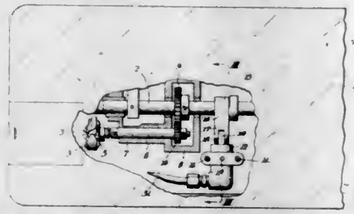
2,073,593

ROTARY HOOK SEWING MACHINE

Norman V. Christensen, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application November 24, 1934, Serial No. 754,566

7 Claims. (Cl. 112—218)



1. In a sewing machine, the combination of a work supporting bed, a rotary hook disposed beneath said bed, an air discharge pipe adjacent and spaced from said hook and dimensioned so as to direct a stream of air on to said hook to completely envelop said hook for preventing the accumulation of lint on the hook and for cooling said hook.

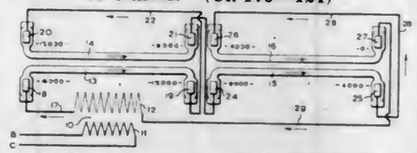
2,073,594

POSITIVE COLUMN TUBE

Hrant Ecknayan, New York, N. Y., assignor to Claude Neon Lights, Inc., New York, N. Y., a corporation of New York

Application August 3, 1934, Serial No. 738,383

10 Claims. (Cl. 176—124)



1. A positive column tube arrangement comprising a plurality of groups of positive column tubes in which the tubes of each group are positioned in parallel adjacent relation, a high voltage transformer means, and connections between the high voltage transformer means and the tubes connecting the tubes in series and so that the voltage drop in all adjacent parallel tubes is in the same direction.

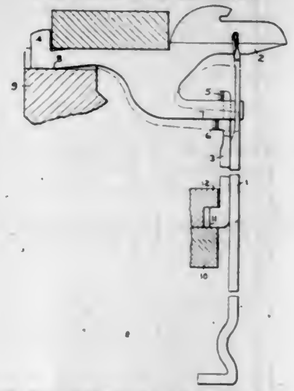
2,073,595

JACK FOR KNITTING MACHINES

Robert H. Lawson and William L. Smith, Jr., Pawtucket, R. I., assignors to Hemphill Company, Central Falls, N. Y., a corporation of Massachusetts

Application January 13, 1936, Serial No. 58,853

6 Claims. (Cl. 66—107)



5. A jack for raising and lowering sinkers including a shank portion, a butt at one end and two nibs at the sinker engaging end, said nibs being disposed one above the other and offset in a vertical plane.

2,073,596

CIGARETTE OR CIGAR HOLDER

Otis H. Martin, Uvalde, Tex., assignor of one-eighth to A. Machotka, Uvalde, Tex., one-sixteenth to Julia Machotka, Edgewood, Tex., and one thirty-second to Jno. A. Thompson, Williamson County, Tex.

Application March 23, 1935, Serial No. 12,689

5 Claims. (Cl. 131—51)



4. In a cigarette holder of the character described, a mouthpiece having an end formed to receive an end of a cigarette, an elongated tube divided longitudinally and having an end of one division attached to the cigarette receiving end of the mouthpiece, said tube being of foraminous character, means coupling the divisions of the tube together facilitating the opening of the tube for the introduction of a cigarette, and a relatively broad band encircling and slidable longitudinally on the tube for controlling the rate of combustion of the burning end of an enclosed cigarette and also maintaining the divisions of the tube against separation.

2,073,597

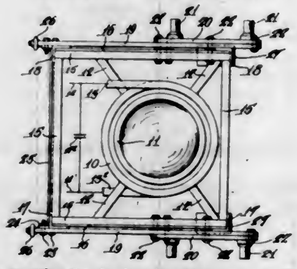
INDUCTION ELECTRIC FURNACE

Edwin Fitch Northrup, Princeton, N. J., assignor to Ajax Electrothermic Corporation, Ajax Park, N. J., a corporation of New Jersey

Application May 22, 1930, Serial No. 454,581

Renewed September 3, 1936

17 Claims. (Cl. 13—26)



1. The method of eliminating stray field heating in magnetic parts of an induction electric furnace, which consists in intercepting the stray magnetic flux by a non-magnetic metal in solid condition located between the point of emanation and the magnetic parts and in converting the flux into heat within this non-magnetic metal.

2,073,598

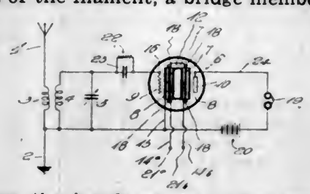
ELECTRON TUBE

Samuel B. Rubinstein, New York, N. Y.

Application July 25, 1928, Serial No. 295,164

8 Claims. (Cl. 250—27.5)

1. An electron tube of the auxiliary heater type comprising a pair of parallel extending tubular members each providing an insulated core for the support of a filament winding thereon, bands encircling the extremities of said tubular members and establishing electrical connection with the ends of the filament, a bridge member inter-



connecting the bands at the upper extremities of said tubular members, and a pair of cylindrical members encircling said tubular members and carrying electron emitting coatings thereon.

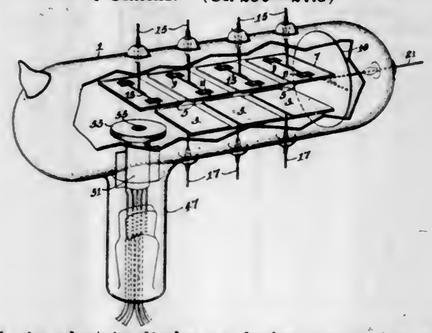
2,073,599

ELECTRIC DISCHARGE DEVICE

Louis Malter, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 30, 1935, Serial No. 4,049

6 Claims. (Cl. 250—27.5)



1. An electric discharge device comprising an elongated container, a strip of insulating material mounted in a plane parallel to the long axis of the container, a pair of spaced apart sets of discrete electrodes, the electrodes of one set being paired with the electrodes of the other set, the electrodes of one set being supported in substantially uniform spaced apart relation on said insulating strip and presenting their electrode surfaces entirely exposed to the electrodes of the other set.

DESIGNS

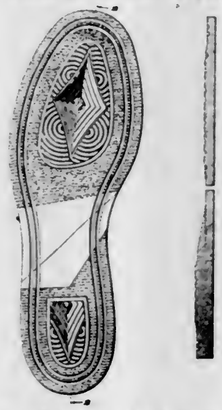
MARCH 9, 1937

103,483
DESIGN FOR A BUCKLE
Louis Alterson, New York, N. Y.
Application February 6, 1937, Serial No. 67,493
Term of patent 3½ years



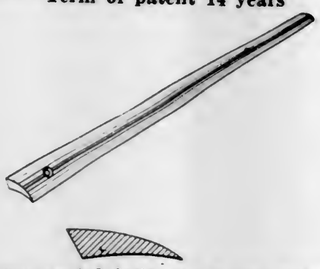
The ornamental design for a buckle substantially as shown.

103,484
DESIGN FOR A SHOE SOLE
Frank Berenstein, Chelsea, Mass., assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass., a corporation of Massachusetts
Application January 2, 1937, Serial No. 66,867
Term of patent 14 years



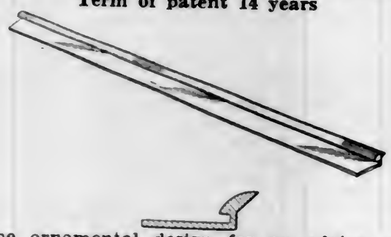
The ornamental design for a shoe sole substantially as shown and described.

103,485
DESIGN FOR A BUTT EDGING STRIP OR SIMILAR ARTICLE
William L. Bonnell, Columbus, Ohio, assignor to The B. & T. Floor Company, Columbus, Ohio, a corporation of Ohio
Application September 12, 1936, Serial No. 64,837
Term of patent 14 years



The ornamental design for a butt edging strip or similar article, as shown.

103,486
DESIGN FOR AN EDGING STRIP OR SIMILAR ARTICLE
William L. Bonnell, Columbus, Ohio
Application October 29, 1936, Serial No. 65,588
Term of patent 14 years



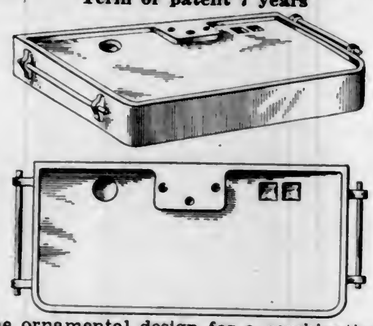
The ornamental design for an edging strip or similar article, as shown.

103,487
DESIGN FOR A BINDING STRIP OR SIMILAR ARTICLE
William L. Bonnell, Columbus, Ohio
Application October 29, 1936, Serial No. 65,589
Term of patent 14 years



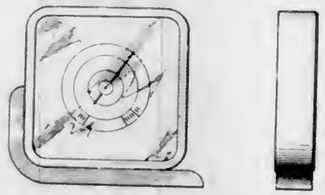
The ornamental design for a binding strip or similar article, as shown.

103,488
DESIGN FOR A COMBINATION TOP AND ARTICLE HOLDER FOR TOILET TANKS
Frank W. Brown, Jr., Richmond, Va.
Application December 22, 1936, Serial No. 66,689
Term of patent 7 years



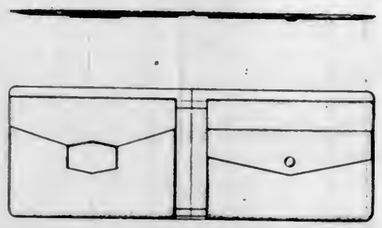
The ornamental design for a combination top and article holder for toilet tanks, substantially as shown.

103,489
DESIGN FOR AN INSTRUMENT CASE
H. Brainard Brown, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application January 22, 1937, Serial No. 67,241
Term of patent 7 years



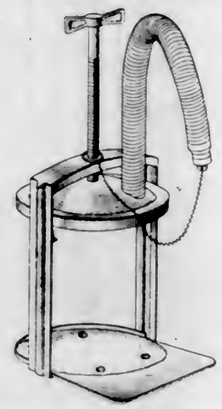
The ornamental design for an instrument case, as shown.

103,490
DESIGN FOR A FLEXIBLE POCKET RECEPTACLE
Warner R. Buxton, Longmeadow, Mass.
Application January 22, 1937, Serial No. 67,244
Term of patent 14 years



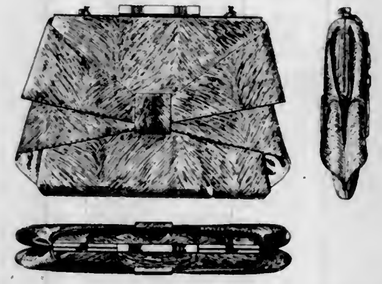
The ornamental design for a flexible pocket receptacle, substantially as shown and described.

103,491
DESIGN FOR A GREASE DISPENSING DEVICE
Arthur I. Epton, Chicago, Ill.
Application January 13, 1937, Serial No. 67,030
Term of patent 7 years



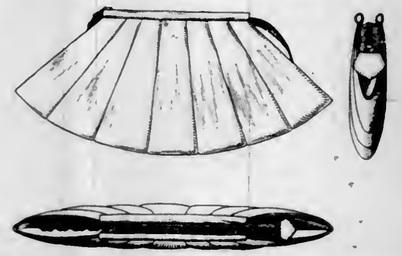
The ornamental design for a grease dispensing device, as shown.

103,492
DESIGN FOR A LADY'S HANDBAG
Henri Felmann, Chicago, Ill., assignor to Morris, Mann & Reilly, Inc., Chicago, Ill., a corporation of Illinois
Application February 8, 1937, Serial No. 67,511
Term of patent 3½ years



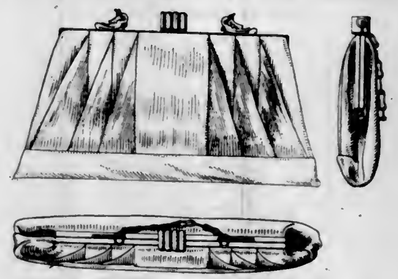
The ornamental design for a lady's handbag, as shown.

103,493
DESIGN FOR A LADY'S HANDBAG
Henri Felmann, Chicago, Ill., assignor to Morris, Mann & Reilly, Inc., Chicago, Ill., a corporation of Illinois
Application February 8, 1937, Serial No. 67,512
Term of patent 3½ years



The ornamental design for a lady's handbag, as shown.

103,494
DESIGN FOR A LADY'S HANDBAG
Henri Felmann, Chicago, Ill., assignor to Morris, Mann & Reilly, Inc., Chicago, Ill., a corporation of Illinois
Application February 8, 1937, Serial No. 67,513
Term of patent 3½ years



The ornamental design for a lady's handbag, as shown.

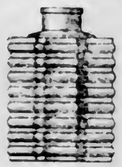
103,495
DESIGN FOR A BOTTLE
John H. Funkey, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application January 11, 1937, Serial No. 67,004
Term of patent 14 years





The ornamental design for a bottle, as shown.

103,496
DESIGN FOR A BOTTLE
John H. Funkey, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application January 11, 1937, Serial No. 67,005
Term of patent 14 years

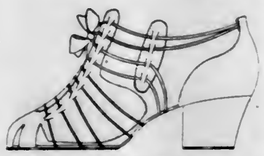




The ornamental design for a bottle, as shown.

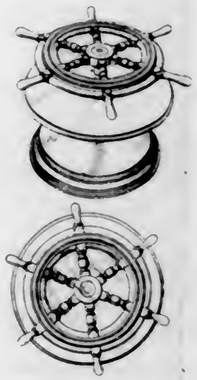
103,497
DESIGN FOR A SHOE
Arthur A. Heinlein, Worcester, Mass.
Application January 27, 1937, Serial No. 67,297
Term of patent 3½ years





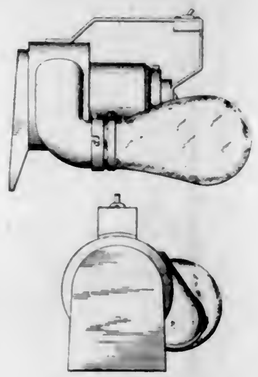
The ornamental design for a shoe substantially as shown.

103,498
DESIGN FOR A TABLE
Frank David Higbee, New London, Conn.
Application December 4, 1936, Serial No. 66,320
Term of patent 7 years



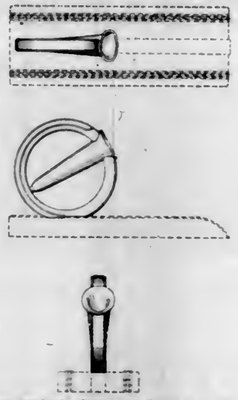
The ornamental design for a table, substantially as shown.

103,499
DESIGN FOR A VACUUM CLEANER
Harold W. Hofmaster, Great Bend, Kans.
Application July 22, 1936, Serial No. 63,986
Term of patent 3½ years



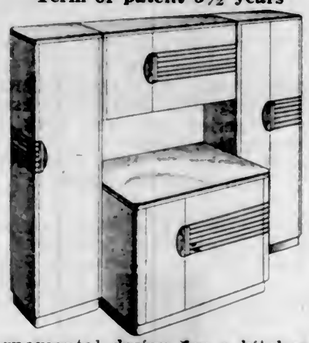
The ornamental design for a vacuum cleaner, as shown.

103,500
DESIGN FOR A PEN DESK STAND
Frank N. Mariani, New York, N. Y.
Application August 13, 1936, Serial No. 64,402
Term of patent 7 years



The ornamental design for a pen desk stand, substantially as shown and described.

103,501
DESIGN FOR A KITCHEN CABINET ENSEMBLE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 27, 1936, Serial No. 66,145
Term of patent 3½ years



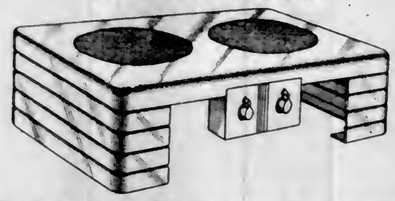
The ornamental design for a kitchen cabinet ensemble, as shown and described.

103,502
DESIGN FOR AN ELECTRIC STOVE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 4, 1936, Serial No. 66,323
Term of patent 7 years



The ornamental design for an electric stove, as shown and described.

103,503
DESIGN FOR AN ELECTRIC STOVE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 4, 1936, Serial No. 66,324
Term of patent 7 years



The ornamental design for an electric stove, as shown and described.

103,504
DESIGN FOR A SHOE
Bernard Oswell, New York, N. Y.
Application February 9, 1937, Serial No. 67,527
Term of patent 3½ years

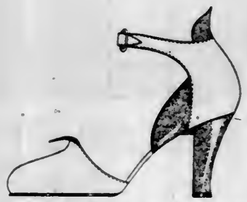




The ornamental design for a shoe substantially as shown and described.

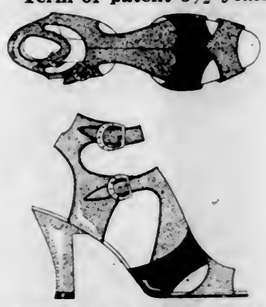
103,505
DESIGN FOR A SHOE
James C. Pape, New York, N. Y.
Application January 25, 1937, Serial No. 67,286
Term of patent 3½ years





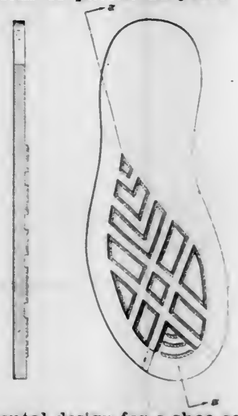
The ornamental design for a shoe substantially as shown.

103,506
DESIGN FOR A SHOE
James C. Pape, New York, N. Y.
Application January 26, 1937, Serial No. 67,287
Term of patent 3½ years



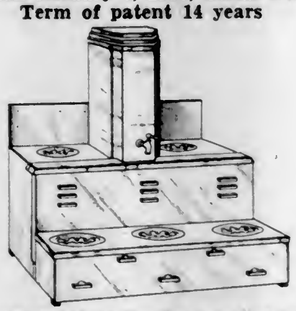
The ornamental design for a shoe substantially as shown.

103,507
DESIGN FOR A SHOE SOLE
Gilbert F. Quinn, Beachmont, Mass., assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass., a corporation of Massachusetts
Application January 5, 1937, Serial No. 66,894
Term of patent 14 years



The ornamental design for a shoe sole substantially as shown.

103,508
DESIGN FOR A COFFEE BREWER
Frank Renner, Chicago, Ill.
Application January 7, 1937, Serial No. 66,941
Term of patent 14 years



The ornamental design for a coffee brewer, as shown.

103,509
DESIGN FOR A TEXTILE FABRIC
Max M. Rosenberg, New York, N. Y., assignor to Pickwick Draperies, Inc., New York, N. Y., a corporation of New York
Application December 28, 1936, Serial No. 66,762
Term of patent 7 years



The ornamental design for a textile fabric as shown.

103,510
DESIGN FOR A TEXTILE FABRIC
Max M. Rosenberg, New York, N. Y., assignor to Pickwick Draperies, Inc., New York, N. Y., a corporation of New York
Application December 28, 1936, Serial No. 66,763
Term of patent 7 years



The ornamental design for a textile fabric as shown.

103,511
DESIGN FOR A TEXTILE FABRIC
Max M. Rosenberg, New York, N. Y., assignor to Pickwick Draperies, Inc., New York, N. Y., a corporation of New York
Application December 28, 1936, Serial No. 66,764
Term of patent 7 years



The ornamental design for a textile fabric, as shown.

103,512
DESIGN FOR A TEXTILE FABRIC
Max M. Rosenberg, New York, N. Y., assignor to Pickwick Draperies, Inc., New York, N. Y., a corporation of New York
Application December 28, 1936, Serial No. 66,765
Term of patent 7 years



The ornamental design for a textile fabric, as shown.

103,513
DESIGN FOR A TEXTILE FABRIC
Max M. Rosenberg, New York, N. Y., assignor to Pickwick Draperies, Inc., New York, N. Y., a corporation of New York
Application December 28, 1936, Serial No. 66,766
Term of patent 7 years



The ornamental design for a textile fabric as shown.

103,514
DESIGN FOR A TEXTILE FABRIC
Max M. Rosenberg, New York, N. Y., assignor to Pickwick Draperies, Inc., New York, N. Y., a corporation of New York
Application December 28, 1936, Serial No. 66,767
Term of patent 7 years



The ornamental design for a textile fabric as shown.

103,515
DESIGN FOR A TEXTILE FABRIC
Max M. Rosenberg, New York, N. Y., assignor to Pickwick Draperies, Inc., New York, N. Y., a corporation of New York
Application December 28, 1936, Serial No. 66,768
Term of patent 7 years



The ornamental design for a textile fabric as shown.

103,516
DESIGN FOR A TEXTILE FABRIC
Max M. Rosenberg, New York, N. Y., assignor to Pickwick Draperies, Inc., New York, N. Y., a corporation of New York
Application December 28, 1936, Serial No. 66,769
Term of patent 7 years



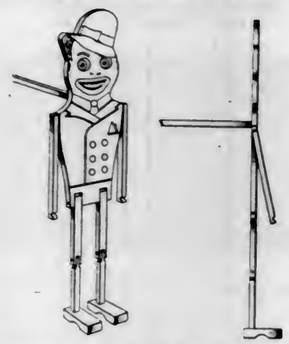
The ornamental design for a textile fabric as shown.

103,517
DESIGN FOR A TEXTILE FABRIC
Max M. Rosenberg, New York, N. Y., assignor to Pickwick Draperies, Inc., New York, N. Y., a corporation of New York
Application December 28, 1936, Serial No. 66,770
Term of patent 7 years



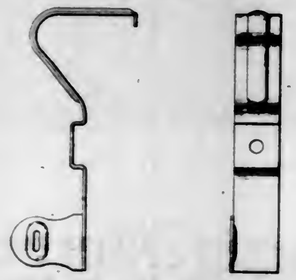
The ornamental design for a textile fabric as shown.

103,518
DESIGN FOR A DANCING TOY FIGURE
Kelly C. Sears, Rural Hall, N. C.
Application December 15, 1936, Serial No. 66,541
Term of patent 7 years



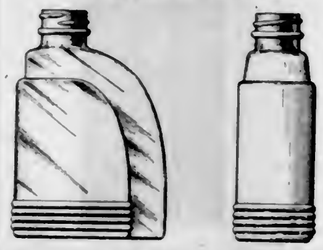
The ornamental design for a dancing toy figure, as shown.

103,519
DESIGN FOR A SHADE BRACKET OR SIMILAR ARTICLE
Benjamin E. Sense, Mahoningtown, and James L. Cole, New Castle, Pa.
Application December 24, 1936, Serial No. 66,744
Term of patent 14 years



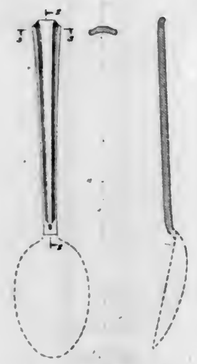
The ornamental design for a shade bracket or similar article, as shown.

103,520
DESIGN FOR A BOTTLE
Frasier Smith, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application January 16, 1937, Serial No. 67,102
Term of patent 14 years



The ornamental design for a bottle, as shown.

103,521
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Frederick W. Stark, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application January 21, 1937, Serial No. 67,198
Term of patent 14 years



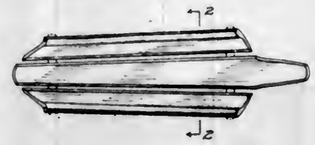
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

103,522
DESIGN FOR A COATED FABRIC
Don E. Sturm, Toledo, Ohio, assignor to Textileather Corporation, Toledo, Ohio, a corporation of Delaware
Application August 22, 1936, Serial No. 64,520
Term of patent 3½ years



The ornamental design for a coated fabric, as shown and described.

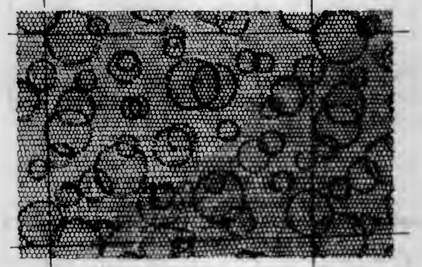
103,523
DESIGN FOR A SLED DECK
William C. Warren, Philadelphia, Pa., assignor to S. L. Allen & Co. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application October 8, 1936, Serial No. 65,209
Term of patent 14 years





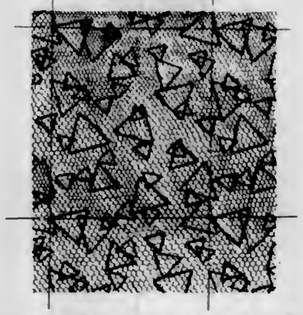
The ornamental design for a sled deck substantially as shown.

103,524
DESIGN FOR A NET FABRIC OR SIMILAR ARTICLE
Gustave Bloch, New York, N. Y.
Application February 11, 1937, Serial No. 67,579
Term of patent 3½ years



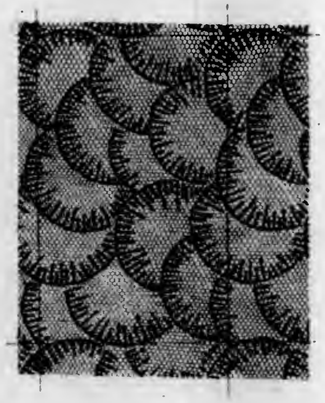
The ornamental design for a net fabric or similar article substantially as shown and described.

103,525
DESIGN FOR A NET FABRIC OR SIMILAR ARTICLE
Gustave Bloch, New York, N. Y.
Application February 11, 1937, Serial No. 67,580
Term of patent 3½ years



The ornamental design for a net fabric or similar article substantially as shown and described.

103,526
DESIGN FOR A NET FABRIC OR SIMILAR ARTICLE
Gustave Bloch, New York, N. Y.
Application February 11, 1937, Serial No. 67,581
Term of patent 3½ years



The ornamental design for a net fabric or similar article substantially as shown and described.

103,527
DESIGN FOR A SWEATER
Hans Boepple, New York, N. Y.
Application January 21, 1937, Serial No. 67,175
Term of patent 3½ years



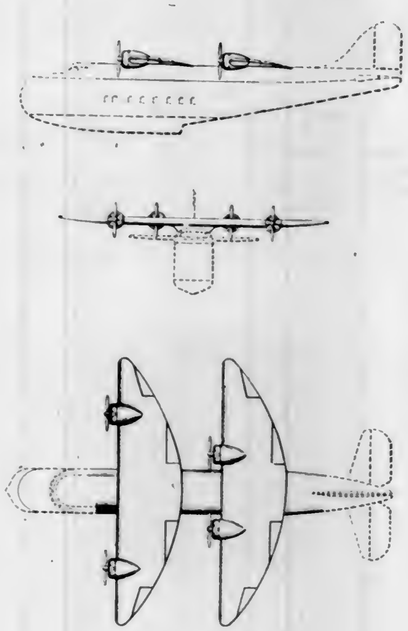
The ornamental design for a sweater, substantially as shown.

103,528
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application December 11, 1936, Serial No. 66,475
Term of patent 3½ years



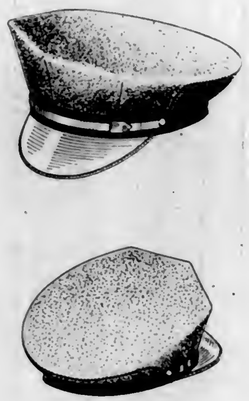
The ornamental design for a dress, as shown.

103,529
DESIGN FOR AN AIRPLANE
Peter J. Dwareski, Long Beach, Calif.
Application November 5, 1936, Serial No. 65,713
Term of patent 7 years



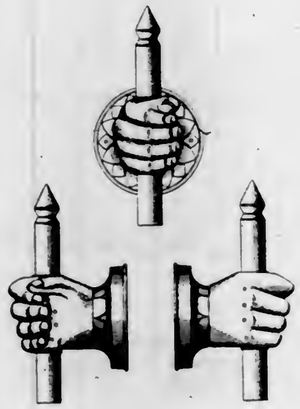
The ornamental design for an airplane, substantially as shown and described.

103,530
DESIGN FOR A UNIFORM CAP OR SIMILAR ARTICLE
Jacob Foster, New York, N. Y.
Application August 31, 1936, Serial No. 64,655
Term of patent 14 years



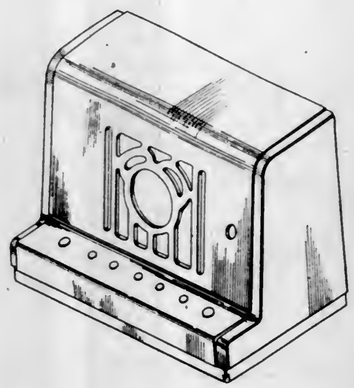
The ornamental design for a uniform cap or similar article, as shown.

103,531
DESIGN FOR A BRACKET-LIGHT
John Frei, Jr., Chicago, Ill.
Application August 5, 1936, Serial No. 64,256
Term of patent 14 years



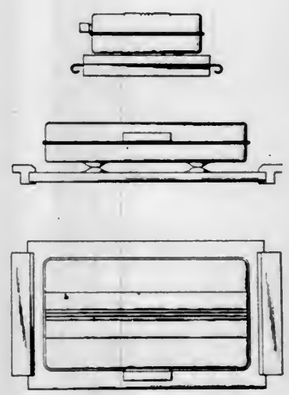
The ornamental design for a bracket-light, as shown.

103,532
DESIGN FOR A CABINET FOR INTER-COMMUNICATING SYSTEMS
Russell D. Jameson, Clark County, near New Carlisle, Ohio
Application October 27, 1936, Serial No. 65,545
Term of patent 3½ years



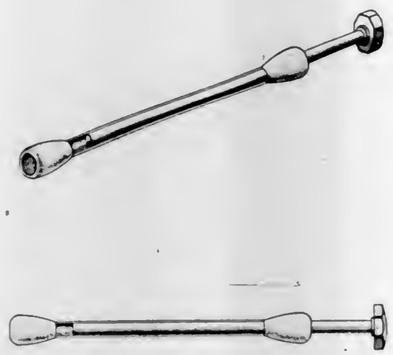
The ornamental design for a cabinet for inter-communicating systems, as shown and described.

103,533
DESIGN FOR A SANDWICH TOASTER OR SIMILAR ARTICLE
Andrew S. Knapp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application January 12, 1937, Serial No. 67,016
Term of patent 7 years



The ornamental design for a sandwich toaster or similar article as shown.

103,534
DESIGN FOR AN APPLICATOR OR SIMILAR ARTICLE
Herman B. Lermer, Newark, N. J., assignor to Hygienic Tube & Container Company, Newark, N. J., a corporation of New Jersey
Application October 13, 1936, Serial No. 65,287
Term of patent 14 years



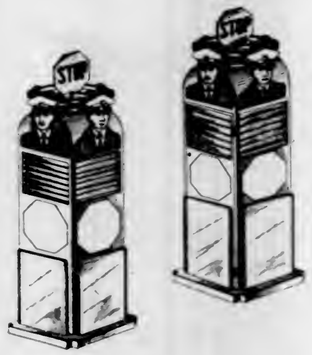
The ornamental design for an applicator or similar article, as shown and described.

103,535
DESIGN FOR A BOTTLE
Arnold I. Lorenzen, Toledo, Ohio, assignor to The Julep Company, Chicago, Ill., a corporation of Texas
Application January 14, 1937, Serial No. 67,063
Term of patent 14 years



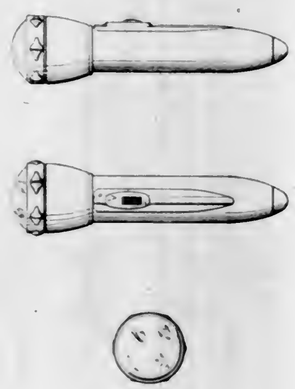
The ornamental design for a bottle, substantially as shown.

103,536
DESIGN FOR A COMBINED TRAFFIC OFFICER'S SAFETY BOOTH AND TRAFFIC SIGNAL
Elliott E. Loving, Memphis, Tenn., assignor to National Safety Control Co., a corporation of Tennessee
Application July 23, 1936, Serial No. 64,008
Term of patent 14 years



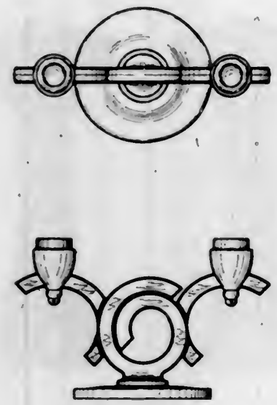
The ornamental design for a combined traffic officer's safety booth and traffic signal, as shown.

103,537
DESIGN FOR A FLASHLIGHT CASING
Onnie Mankki, Cleveland Heights, Ohio, assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application January 12, 1937, Serial No. 67,015
Term of patent 14 years



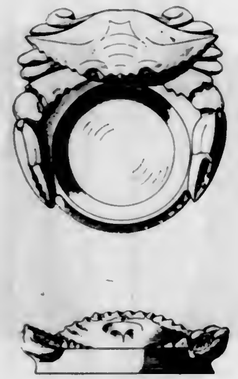
The ornamental design for a flashlight casing, substantially as shown.

103,538
DESIGN FOR A CANDELABRA OR SIMILAR ARTICLE
Will Cameron McCartney, Cambridge, Ohio
Application January 21, 1937, Serial No. 67,194
Term of patent 7 years



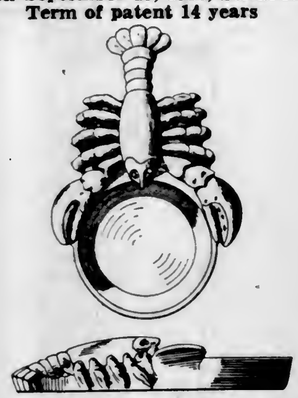
The ornamental design for a candelabra or similar article, substantially as shown.

103,539
DESIGN FOR AN ASH TRAY
Robert W. Moore, Camden, N. J.
Application September 15, 1936, Serial No. 64,862
Term of patent 14 years



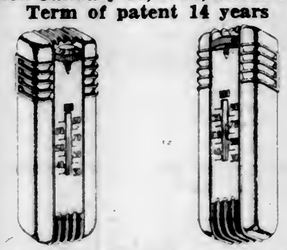
The ornamental design for an ash tray as shown.

103,540
DESIGN FOR AN ASH TRAY
Robert W. Moore, Camden, N. J.
Application September 15, 1936, Serial No. 64,863
Term of patent 14 years



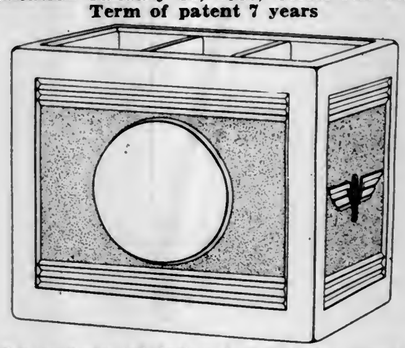
The ornamental design for an ash tray as shown.

103,541
DESIGN FOR AN AIR CONDITIONING CONTROL
Raymond E. Patten, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application January 15, 1937, Serial No. 67,077
Term of patent 14 years



The ornamental design for an air conditioning control, substantially as shown.

103,542
DESIGN FOR A BATTERY CONTAINER
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application January 30, 1937, Serial No. 67,346
Term of patent 7 years



The ornamental design for a battery container as shown and described.

103,543
DESIGN FOR A DISPLAY BASKET
Charles J. Romer, New York, N. Y.
Application February 2, 1937, Serial No. 67,395
Term of patent 3½ years



The ornamental design for a display basket, substantially as shown.

103,544
DESIGN FOR AN AUTOMOBILE GRILLE GUARD
Anthony V. Weasler and William J. Dooley, West Bend, Wis., assignors to Pick Manufacturing Company, West Bend, Wis., a corporation of Wisconsin
Application December 4, 1936, Serial No. 66,315
Term of patent 7 years



The ornamental design for an automobile grille guard, as shown.

103,545
DESIGN FOR A DRESS
Esther Alper, New York, N. Y.
Application January 21, 1937, Serial No. 67,170
Term of patent 3½ years



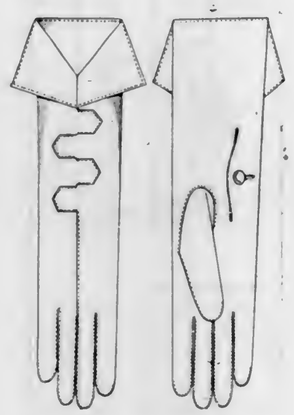
The ornamental design for a dress substantially as shown and described.

103,546
DESIGN FOR A DRESS
Esther Alper, New York, N. Y.
Application January 21, 1937, Serial No. 67,173
Term of patent 3½ years



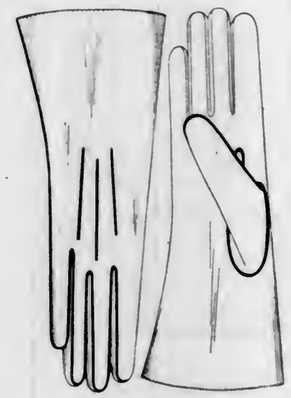
The ornamental design for a dress substantially as shown and described.

103,547
DESIGN FOR A GLOVE
Jerome J. Fox, New York, N. Y.
Application November 23, 1936, Serial No. 66,097
Term of patent 3½ years



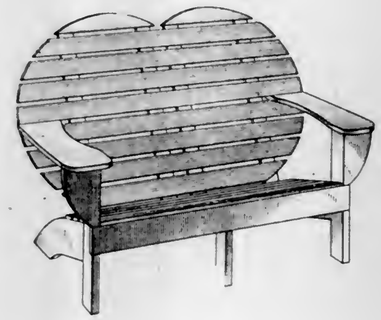
The ornamental design for a glove, substantially as shown and described.

103,548
DESIGN FOR A GLOVE
William S. Hatch, Gloversville, N. Y.
Application February 5, 1937, Serial No. 67,461
Term of patent 3½ years



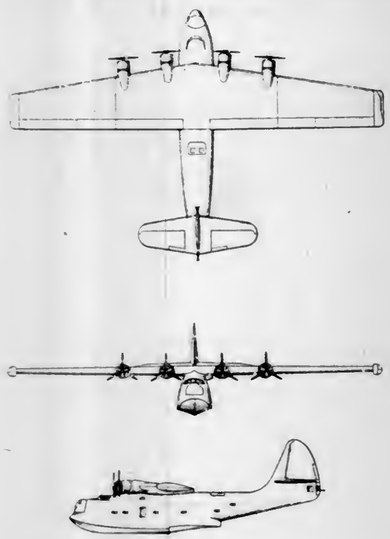
The ornamental design for a glove, substantially as shown and described.

103,549
DESIGN FOR A SETTEE
Richard B. Janes, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application January 29, 1937, Serial No. 67,332
Term of patent 7 years



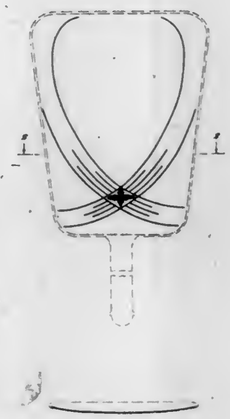
The ornamental design for a settee, as shown.

103,550
DESIGN FOR A FOUR-ENGINED FLYING BOAT
Isaac M. Laddon, San Diego, Calif., assignor to Consolidated Aircraft Corporation, a corporation of Delaware
Application September 10, 1936, Serial No. 64,794
Term of patent 7 years



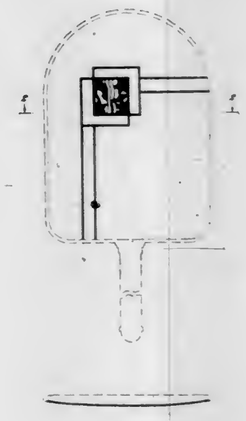
The ornamental design for a four-engined flying boat substantially as shown.

103,551
DESIGN FOR A HAND MIRROR
Edward Marder, Brooklyn, N. Y.
Application February 6, 1937, Serial No. 67,486
Term of patent 3½ years



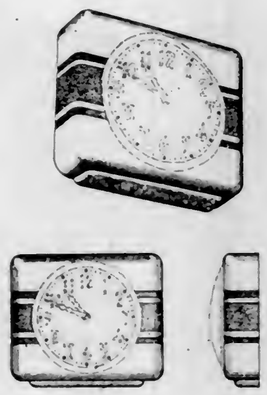
The ornamental design for a hand mirror, substantially as shown and described.

103,552
DESIGN FOR A HAND MIRROR
Edward Marder, Brooklyn, N. Y.
Application February 6, 1937, Serial No. 67,487
Term of patent 3½ years



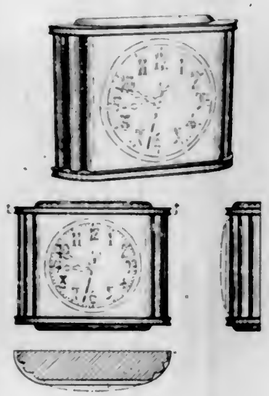
The ornamental design for a hand mirror, substantially as shown and described.

103,553
DESIGN FOR A CLOCK-CASE
William K. Sessions, Forestville, Conn., assignor to The Sessions Clock Company, Forestville, Conn., a corporation of Connecticut
Application February 1, 1937, Serial No. 67,373
Term of patent 7 years



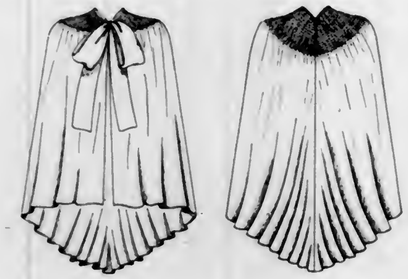
The ornamental design for a clock-case substantially as shown and described.

103,554
DESIGN FOR A CLOCK-CASE
William K. Sessions, Forestville, Conn., assignor to The Sessions Clock Company, Forestville, Conn., a corporation of Connecticut
Application February 1, 1937, Serial No. 67,374
Term of patent 7 years



The ornamental design for a clock-case substantially as shown and described.

103,555
DESIGN FOR A CAPE
Morris Spector, New York, N. Y.
Application January 16, 1937, Serial No. 67,085
Term of patent 3½ years



The ornamental design for a cape substantially as shown and described.

103,556
DESIGN FOR A MOTOR VEHICLE LAMP
Lester Urge, Youngstown, Ohio
Application April 13, 1936, Serial No. 62,105
Term of patent 7 years



The ornamental design for a motor vehicle lamp, as shown.

Patents Nos. 2,073,600 to 2,074,316

THE

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March 16, 1937

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Prints	1—No.	16,111	
Reissues	9—No.	20,292 to No.	20,300, inclusive.
Plant Patents	1—No.	238	
Patents	717—No.	2,073,600 to No.	2,074,316, inclusive.
Designs	106—No.	103,557 to No.	103,662, inclusive.
Total	1,093		

Adjudicated Patents

(C. C. A. Colo.) Lyman patent, No. 1,901,399, for sight, claims 1 to 4 and 7 to 9 *Held* invalid. *Lyman Gun Sight Corporation* v. *Redfield Gun Sight Corporation*, 87 F.(2d) 26.

Transfer of Class

ORDER No. 3384

U. S. PATENT OFFICE, *Washington, Feb. 25, 1937.*

The following transfer, effective at once, is hereby ordered:

Class 208, Velocipedes, from Division 2 to Division 12.

CONWAY P. COE,
Commissioner.

Notice

Plant Patents—Not a Guarantee of Quality or Merit

U. S. PATENT OFFICE, *Washington, Feb. 23, 1937.*

This Office has been informed by the Department of Agriculture that there appears to be a widespread impression that the issuing of a plant patent is the equivalent of an endorsement by the Government of high quality and merit of the plant patented; and that some nurserymen are giving this interpretation to the significance of a plant patent.

Such an interpretation is absolutely incorrect. Under the terms of the patent statute any "distinct and new variety of plant" that is asexually propagated, except tuber-propagated plants, may, under certain specified conditions, be patented. The one and only implication which can be drawn from the grant of the patent, so far as the Government is concerned, is that the plant of the patent is "distinct and new".

CONWAY P. COE,
Commissioner.

Interference Notice

U. S. PATENT OFFICE, *Washington, Feb. 10, 1937.*

Fred P. Hoffmann, his assigns, or legal representatives take notice:

An interference having been declared by this Office between Patent No. 2,000,285, granted May 7, 1935, to Fred P. Hoffmann, 1831 Chicago Avenue, Evanston, Ill., and the application for patent of Samuel Barton Sklar, 27 West 72nd St., New York, N. Y., and a notice of such declaration sent by registered mail to said Hoffmann at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Hoffmann, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, Feb. 24, 1937.*

Fire-O-Matic, Inc., its assigns, or legal representatives take notice:

A cancellation proceeding having been instituted by this Office upon the application of Iron Fireman Manufacturing Company, 4784 S. E. Seventeenth Avenue, Portland, Oreg., to effect the cancellation of trade-mark registration No. 283,114, issued May 19, 1931, to Fire-O-Matic, Inc., 83 Fifth Street, Portland, Oreg., and a notice of such proceeding sent by registered mail to said Fire-O-Matic, Inc. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Fire-O-Matic, its assigns or legal representatives shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business February 27, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 36,573; Trade-Mark Division, 1,707. Oldest new case, Aug. 22, 1936; oldest amended, Aug. 19, 1936.)
(The dates given are 1936 except where † indicates 1937)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Nov. 4	Dec. 19	415
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Sept. 25	Sept. 24	804
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Dec. 5	Dec. 5	482
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Oct. 28	Oct. 27	597
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Nov. 20	Nov. 20	448
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 29	Oct. 27	691
5725	7. JARBOE, C. G., Optics; Photography	Dec. 1	Dec. 1	827
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Oct. 31	Nov. 10	455
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Dec. 12	Dec. 10	408
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Nov. 24	Dec. 5	412
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Dec. 4	Nov. 30	396
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Oct. 3	Oct. 12	631
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Dec. 14	Nov. 19	470
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Nov. 17	Nov. 14	576
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 25	Nov. 25	941
5612	16. SPENCER, C. J., Telegraphy; Telephony	Nov. 4	Nov. 4	585
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 5	Dec. 4	516
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 28	Oct. 31	483
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Nov. 10	Oct. 31	688
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Nov. 23	Nov. 23	449
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Nov. 28	Nov. 28	595
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Nov. 30	Nov. 30	624
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Aug. 22	Aug. 19	223
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 1	Dec. 4	554
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Nov. 23	Nov. 23	572
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Dec. 15	Dec. 16	401
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Sept. 28	Sept. 28	765
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Dec. 5	Nov. 27	319
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Dec. 1	Dec. 2	461
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 27	Oct. 27	707
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Nov. 28	Nov. 30	439
4086	32. LESH, CARL (Act.) Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating.	Nov. 25	Nov. 25	467
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Nov. 30	Dec. 1	642
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Dec. 3	Nov. 28	302
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Oct. 3	Oct. 9	711
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Dec. 10	Dec. 12	267
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Oct. 31	Nov. 2	700
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Dec. 2	Dec. 9	392
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 20	Nov. 7	406
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 27	Oct. 27	1078
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Sept. 24	Oct. 9	470
5882	42. CUTTING, H. O., Electric Signaling	Nov. 24	Dec. 2	399
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Nov. 27	Nov. 27	625
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Nov. 5	Nov. 2	621
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Nov. 5	Nov. 9	611
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Nov. 11	Nov. 11	455
7600	47. BARKER, H., Clutches; Brakes	Dec. 3	Nov. 30	425
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Nov. 28	Nov. 28	527
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Dec. 1	Dec. 4	404
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Nov. 27	Nov. 27	616
5628	51. BACKUS, C. D., Radiant Energy	Nov. 28	Nov. 28	710
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 3	Dec. 5	603
6897	53. PECK, M. K., Books; Manifolding; Printed-Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Oct. 12	Oct. 10	1008
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Dec. 4	Dec. 4	333
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 8	Oct. 9	783
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Nov. 9	Nov. 5	871
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Nov. 14	Nov. 12	529
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Dec. 10	Dec. 9	317
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	Dec. 7	Dec. 18	359
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Oct. 15	Oct. 12	603
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Dec. 9	Dec. 5	291
3876	62. PUGH, E. C., Games; Geometrical Instruments	Dec. 1	Dec. 4	439
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting; and Fermentation	Nov. 23	Nov. 23	527
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Nov. 27	Nov. 30	817
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Sept. 26	Sept. 21	740
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Trade-Marks †Jan. 26	†Feb. 15	1409
		Labels and Prints †Feb. 1	†Feb. 15	298
2605	Designs, H. H. KALUPY	†Feb. 1	†Feb. 15	591

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

THE UNITED STATES *v.* ROBERT ESNAULT-PELTERIE

No. 41. Decided December 7, 1936

[57 U. S. 159]

1. PATENTS—VALIDITY AND INFRINGEMENT.
Validity and infringement of a patent are ultimate facts on which depends the question of liability and in actions at law they are to be decided by the jury.

2. SAME—SAME—FINDINGS OF COURT TO BE SPECIFIC.
In suit against United States for use and manufacture of patented device by or for defendant, which filed general traverse, findings brought before Federal Supreme Court on certiorari, in order to sustain judgment for plaintiff, must specifically decide questions of validity and infringement and also include circumstantial facts sufficient to warrant conclusion of Court of Claims respecting main issues, and special findings may not be aided by statements in conclusions of law or opinion to effect that patent is valid and infringed.

3. SAME—SAME.
Where the Court of Claims failed to make specific findings on main issues concerning validity and infringement of patent *Held* the Supreme Court is not obligated on certiorari to examine, analyze and compare circumstantial facts found, where the parties' contentions raised complicated and difficult questions affecting validity and infringement.

ON WRIT of certiorari to the Court of Claims.

Judgment vacated. Case remanded to Court of Claims.

Mr. Drury W. Cooper (*Mr. Stanley Reed, Mr. James W. Morris, Mr. Alexander Holtzoff* and *Mr. Lee A. Jackson* with him on the brief) for The United States.

Mr. Eugene V. Myers (*Mr. Edwin J. Prindle, Mr. R. Keith Kane* and *Messrs. Cadwalader, Wickersham* and *Taft* with him on the brief) for Robert Esnault-Pelterie.

Mr. Justice BUTLER delivered the opinion of the court.

Respondent is a citizen and resident of the French Republic and authorized to sue the United States in the Court of Claims.[1] His amended complaint alleges a cause of action under the act of June 25, 1910, as amended,[2] for the use and manufacture by or for the United States of a device covered by his Patent No. 1,115,795 dated November 3, 1914, which describes means for the control of the equilibrium of airplanes by the simple oscillation of a single lever moving in all directions and operated by one hand. Defendant filed a general traverse. After taking evidence, the court made special findings and stated as its conclusion of law that the plaintiff was entitled to recover. It did not specifically find the patent valid or that defendant infringed it. The record does not show whether at first the conclusion of law contained any statement as to validity or infringement. Pursuant to stipulation and in accordance with its rule, the court postponed entry of final judgment pending the taking of testimony upon the question of compensation.[3] On defendant's motion, the court amended its conclusion of law to read: "Upon the foregoing special findings of fact, which are made a part of the judgment herein, the court decides as a conclusion of law that the plaintiff's patent is valid and has been infringed by the United States and that he is entitled to compensation therefor under the act of June 25, 1910 . . ." It filed an opinion in which it states: "In conclusion we hold that the patent in suit is valid and has been infringed by the defendant." — C. Cls. —, —. The court entered judgment in accordance with the amended conclusion of law. We granted writ of certiorari.[4] 298 U. S. 653.

Plaintiff's contentions are based on claims 2 and 5 to 9. Claim 2 is:

"An aeroplane having distortable wings for maintaining transverse stability, a rudder for maintaining longitudinal stability, a lever controlling said wings and said rudder, a steering rudder, and a separate lever controlling said steering rudder."

Claim 5 is:

"In an aeroplane, the combination of means for producing lateral stability, means for producing longitudinal stability and a single vertical lever movable in every direction for operating both said means for producing lateral stability and said means for producing longitudinal stability."

Each of the other claims relied on contains the substance of claim 5 with variations and additions not here important.

On the facts found the petitioner contends: Respondent's patent is invalid as claiming a device not patentable over prior disclosures. No element of invention is found in the asserted instinctive character of the operation of the control lever. The patent, if held valid in any respect, should be limited to a combination comprising a pair of vertical control levers with a single integral or unitary tail surface of an airplane, and so construed is not infringed. The vertical control lever did not constitute invention over the structure disclosed in the respondent's 1906 French patent, application for which was filed more than one year before that for

[1] Judicial Code, § 155, 28 U. S. C., § 261.
[2] Act of June 25, 1910, 36 Stat. 851, as amended by Act of July 1, 1918, 40 Stat. 705. 35 U. S. C., § 68.
[3] "In any patent suit it shall be competent for the parties to stipulate that the hearing in the first instance be limited to the issues of validity and infringement and when no such stipulation can be reached by the parties the court may order such procedure to be followed.
"If the patent is held valid and infringed by the United States the court shall so adjudge and the case shall thereafter proceed according to law". Court of Claims Rule 39.
[4] "In any case in the Court of Claims . . . it shall be competent for the Supreme Court, upon the petition of either party, . . . to require, by certiorari, that the cause, including the findings of fact and the judgment or decree, but omitting the evidence, be certified to it for review and determination with the same power and authority, and with like effect, as if the cause had been brought there by appeal" § 3 (b), Act of February 13, 1925, 43 Stat. 939. 28 U. S. C., § 288.

the patent in suit.[8] The claims are not supported by the disclosure. Plaintiff's patent is invalid because the claims on the control lever were not inserted in the application until five and one-half years after filing, while the device came into general use in the United States prior to that time.

[1] [2] Validity and infringement are ultimate facts on which depends the question of liability.[9] In actions at law they are to be decided by the jury. If the evidence is not sufficient to establish validity and infringement, it is the duty of the trial court to direct a verdict for defendant.[7] Similarly a judgment upon a special verdict cannot be sustained unless the findings extend to all material issues.[9] The same principle governs in cases brought here from the Court of Claims.[9] On writ of certiorari to that court, the record is required to include the pleadings, findings of fact and the judgment. The opinion, if any, is also included. The findings are required to be in the nature of a special verdict and specifically to set forth the ultimate facts; the evidence is not brought up.[10] As by its general traverse defendant put in issue all allegations of the complaint, the findings in order to be sufficient to sustain judgment for plaintiff must specifically decide questions of validity and infringement, and also include circumstantial facts sufficient to warrant the court's conclusion in respect of the main issues.[11] The special findings may not be aided by statements in the conclusions of law[12] or the opinion of the court[13] to the effect that the patent is valid and infringed.

[3] The court having failed to find that the patent was valid or had been infringed, the judgment cannot be sustained unless upon inspection of the findings of fact it is plain that they are sufficient to compel decision of those issues in favor of plaintiff.[14] The contentions of the parties—briefly above indicated—raise complicated and difficult questions affecting validity and infringement. There are 47 findings of fact covering more than 32 pages of the record and by reference including 28 exhibits on 266 pages. The failure of the lower court to make specific findings upon the main issues does not lay upon this court the duty of examining, analyzing and comparing the circumstantial facts found to ascertain whether as a matter of law they establish validity and infringement.[15]

The judgment will be vacated, the case will be remanded to the Court of Claims for such proceedings in harmony with this opinion as that court may determine, and with instructions that it specifically find whether plaintiff's patent in suit was valid and, if found valid, whether it was infringed by the defendant.[16]

It is so ordered.

U. S. Court of Appeals for the District of Columbia

STANDARD OIL DEVELOPMENT COMPANY

v.

COE, COMMISSIONER OF PATENTS

No. 6,503. Decided November 2, 1936

86 F.(2d) 6503

PATENTABILITY—PROCESS FOR DISTILLATION OF MINERAL OIL.

Claims for a process for distillation of mineral oil involving application of heat by use of mercury vapor *Held* unpatentable over the prior art showing use of steam for same purpose in similar process in view of other prior art showing use of mercury vapor as a heating medium.

Affirmed.

Mr. Philip L. Young and *Mr. Nelson J. Jewett* for Standard Oil Development Company.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, GRONER and STEPHENS, Associate Justices

PER CURIAM: Appeal from a decree in the Supreme Court of the District (now District Court of the United States) dismissing appellant's bill filed under Sec. 4915, R. S., as amended (35 U. S. C. Sec. 63).

Appellant seeks the issuance by the Commissioner of Patents of a patent on an application (No. 551,300) disclosing a process for the distillation of mineral oil filed by Howard, Lewis, and Noel, and assigned to appellant. Broadly, the claims relate to the use of mercury vapor to heat oil stills, and is particularly directed to efforts to increase the heat transfer.

[8] "No person otherwise entitled thereto shall be debarred from receiving a patent for his invention or discovery, nor shall any patent be declared invalid by reason of its having been first patented or caused to be patented by the inventor or his legal representatives or assigns in a foreign country, unless the application for said foreign patent was filed more than twelve months, in cases within the provisions of section 31 of this title, . . . prior to the filing of the application in this country, in which case no patent shall be granted in this country. . . ." R. S., § 4887, (§ 25, Act of July 8, 1870, 16 Stat. 201) as amended by § 3, Act of March 3, 1897, 29 Stat. 693 and § 1, Act of March 3, 1903, 32 Stat. 1225. 35 U. S. C., § 32.

[9] Wood *v.* Underhill, 5 How. 1, 5–6. Battin *v.* Taggert, 17 How. 74, 85. Bischoff *v.* Wethered, 9 Wall. 812, 814. Keyes *v.* Grant, 118 U. S. 25, 37. Haines *v.* McLaughlin, 135 U. S. 584, 597. St. Paul Plow Works *v.* Starling, 140 U. S. 184, 196–197. Coupe *v.* Royer, 155 U. S. 565, 577, *et seq.* United States *v.* Anciens Etablissements, 224 U. S. 309, 322. Thomson *v.* Ford Motor Co., 265 U. S. 445, 446. Stilz *v.* United States, 269 U. S. 144, 147.

[7] Black Diamond Co. *v.* Excelsior Co., 156 U. S. 611, 618. Gunning *v.* Cooley, 281 U. S. 90, 93–95. Cf. Keyes *v.* Grant, 118 U. S. 25, 36–37. Royer *v.* Schultz Belting Co., 135 U. S. 319, 325.

[8] Chesapeake Insurance Co. *v.* Starke, 6 Cranch 268, 273. Prentice *v.* Zane's Administrator, 8 How. 470, 484. Graham *v.* Bayne, 18 How. 60, 63. Burr *v.* Des Moines Co., 1 Wall. 99, 102. Ward *v.* Cochran, 150 U. S. 597, 608. Luckenbach S. S. Co. *v.* United States, 272 U. S. 533, 539. Clementson, Special Verdicts, p. 204.

[9] Mahan *v.* United States, 14 Wall. 109, 111–112. Luckenbach S. S. Co. *v.* United States, 272 U. S. 533, 539.

[10] § 3 (b), Act of February 13, 1925, 43 Stat. 939. 28 U. S. C., § 288. Rule 41, pars. (3), (4).

[11] Anglo-American Land, M. & A. Co. *v.* Lombard, 132 Fed. 721, 734. See Ross *v.* United States, 12 C. Cls. 565, 571, 572. Clementson, Special Verdicts, pp. 209, 215.

[12] French *v.* Edwards, 21 Wall. 147, 151. Sun Mutual Ins. Co. *v.* Ocean Ins. Co., 107 U. S. 485, 501–503. Kealing *v.* Van Sickle, 74 Ind. 529, 536. Knight *v.* Kerfoot, 184 Ind. 31, 39. Houtz *v.* Union Pac. Ry. Co., 33 Utah 175, 195.

[13] Stone *v.* United States, 164 U. S. 380, 383. Crocker *v.* United States, 240 U. S. 74, 78. Brothers *v.* United States, 250 U. S. 88, 93. United States *v.* Wells, 283 U. S. 102, 120.

[14] United States *v.* Pugh, 99 U. S. 265, 270. Ripley *v.* United States, 220 U. S. 491, 496. Winton *v.* Amos, 255 U. S. 373, 395. Botany Mills *v.* United States, 278 U. S. 282, 290. United States *v.* Wells, 283 U. S. 102, 120.

[15] United States *v.* Adams, 6 Wall. 101, 110, 111. Cf. Farmer's Guide Co. *v.* Prairie Co., 293 U. S. 268, 281.

[16] United States *v.* Adams, 9 Wall. 661, 663. Winton *v.* Amos, 255 U. S. 373, 395–396. Louis. & Nash. R. R. *v.* United States, 258 U. S. 374, 377. Fidelity & Deposit Co. *v.* United States, 259 U. S. 296, 303. Luckenbach S. S. Co. *v.* United States, 272 U. S. 533, 539. United States *v.* Jefferson Electric Co., 291 U. S. 386, 406.

Claims numbered 35 to 40, inclusive, and 51 to 57, inclusive, are involved, but under the view we take of the case it is not necessary to discuss these claims in detail, since they all involve the fundamental question, namely, whether—it being old as shown in the Dean patent (No. 342,500) to distill oils by the application of heat in an apparatus in which the oil passes through tubes placed in a pipe through which steam is passed, and in which a battery of stills is shown—there was invention in passing mercury vapor through such set of stills for the purpose of employing the heat of the mercury vapor instead of the heat of steam. The tribunals of the Patent Office ruled there was none.

Field (Patent No. 1,619,660) generates mercury vapor in a partial vacuum, instead of under pressure as specified in the involved counts; likewise Field depends on superheating to obtain and control additional heat, instead of by regulating the pressure as in the count. Concerning these differences, the Board said:

"It is, of course, common scientific knowledge that the temperature of condensation of a vapor can be varied by varying the pressure. Hence in any distillation system where vapor is used as a heat transfer medium the temperature of it may be regulated by regulating the pressure. This is true of the ordinary system where steam is employed and becomes condensed in the system as, for instance, in the Dean patent. We therefore cannot see anything patentably new in the use of vapor under pressure for distilling purposes and regulating the temperature by varying the pressure. The temperature would, of course, be regulated so the oil is not decomposed or cracked when such a condition is desired. The patentability of the count then, cannot be predicated upon the application of these well known principles for controlling the temperature of distillation where a vapor is employed. Nor can it be predicated upon the use of mercury vapor as this is clearly set forth in the Field patent and its advantages fully described. It is our view therefore that the count is not patentable over Field as the variation of the process recited by the count is not regarded sufficient to amount to invention."

A painstaking examination of the record in the light of the brief and argument of appellant convinces us that the conclusion reached by the Patent Office and concurred in by the court below was right. We therefore affirm the decree.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,162,479. (See 1,374,505 (*a*).)

1,242,073. (See 1,374,505 (*a*).)

1,259,289. (See 1,374,505 (*a*).)

1,275,294, R. A. Oglesby, Combined internal combustion engine and magneto; 1,338,151, Detachable magneto armature heads and core, D. C., E. D. Wis. (Milwaukee), Doc. 4860, *Quick Action Ignition Co.* v. *Briggs & Stratton Co.* Decree for plaintiff holding claims 7 and 8 of 1,275,294 and claim 3 of 1,338,151 valid Jan. 15, 1937.

1,286,107. (See 1,374,505 (*a*).)

1,310,701. (See 1,374,505 (*a*).)

1,338,151. (See 1,275,294.)

1,342,894, L. W. Bugbee, Illuminating apparatus; 1,385,162, E. D. Tillyer, Motion picture projection apparatus; 1,434,268, same, Illuminating and projection apparatus, filed Dec. 7, 1936, D. C., N. D. Ill., E. Div., Doc. 15420, *Society for Visual Education, Inc., et al.* v. *The Webster Co.*

1,370,100. (See 1,374,505 (*a*).)

1,370,101. (See 1,374,505 (*a*).)

1,370,102. (See 1,374,505 (*a*).)

1,372,567. (See 1,374,505 (*b*).)

1,374,505 (*a*), E. Hopkinson, Method of making motor vehicle tires; 1,493,674, same, Pneumatic tire casing for motor vehicles; 1,310,701, same, Machine for building pneumatic tire casings; 1,242,073, J. D. Tew, Method of making tire-casings; 1,162,479, A. H. Harris, Method of manufacturing cord-wound tires; 1,480,719, J. R. Gammeter, Method and apparatus for making or manipulating tires; 1,286,107, I. R. Renner, Tire-forming tube; 1,259,289, same, Cord tire and method of making; 1,370,102, J. L. Dykes, Tire-band-stretching and vulcanizing machine; 1,370,100, same, Tire-band making machine; 1,370,101, same, Tire-band-stretching machine; 1,507,563, A. O. Abbott, Jr., Method and apparatus for manufacturing tire casings, D. C., N. D. Ohio, E. Div., Doc. E 3675, *U. S. Rubber Co.* v. *The Goodyear Tire & Rubber Co.* Dismissed without prejudice Nov. 6, 1936.

1,374,505 (*b*), E. Hopkinson, Method of making motor vehicle tires; Re. 17,618 (of 1,713,658), same, Manufacture of tire casings; 1,607,266, H. V. Lough, Rubberized fabric and its method of manufacture; 1,372,567, T. Sloper, Method of manufacturing the covers of pneumatic tires; 1,487,033, same, Apparatus for making the covers of pneumatic tires, D. C., N. D. Ohio, E. Div., Doc. E 4084, *U. S. Rubber Co.* v. *The Goodyear Tire & Rubber Co.* Dismissed without prejudice Nov. 6, 1936.

1,379,008, A. B. Frenier, Temperature producing mechanism and controlling means therefor; Re. 17,405, L. L. Scott, Oil-burning heating system; 1,602,175, same, Electrical control system for oil burners; 1,579,497, L. I. Aldrich, Safety control mechanism for electrically controlled fuel burning device, filed Jan. 15, 1937, D. C. E. D. N. Y., Doc. E 8240, *Minneapolis-Honeywell Regulator Co.* v. *Thermoco, Inc.*

1,385,162. (See 1,342,894.)

1,389,067, M. D. Neilson, Undergarment for women; 1,680,267, same, Process of making undergarments of inelastic material; Re. 17,903, same, Process of making garments for women and children; T. M. 158,867, The Winget Mfg. Co., Bloomers, children's overalls, and sleeping garments, appeal filed Dec. 29, 1936, C. C. A. 8th Cir. (St. Louis), Doc. 10818, *S. S. Kresge Co. et al.* v. *Winget Kickernick Co. et al.*, Doc. 10819, *J. C. Penny Co., Inc., et al.* v. *Winget Kickernick Co. et al.*, Doc. 10820, *La Mode Garment Co.* v. *Winget Kickernick Co. et al.*

1,392,399, 1,605,172, T. M. Chance, Method and apparatus for coal washing and ore concentration; 1,559,937, 1,854,107, same, Method and apparatus for separating materials of different specific gravities; 1,614,876, same, Method and apparatus for agitating fluid separating mediums; Re. 16,674, 1,949,242, same, Apparatus for separating materials of different specific gravities; 1,894,020, same, Valve gear for coal washers and concentrators and method of operating same; 1,937,190, same, Apparatus for agitating fluid masses and separating materials, filed Jan. 6, 1937, D. C., E. D. Pa., Doc. 9637, *F. H. Chance et al.* v. *Lehigh Navigation Coal Co.*

1,403,475, H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,936,162, R. A. Heising, Transmission system; Re. 18,579, Ballantine & Hull, Demodulator and method demodulation; 1,618,017, F. Lowenstein, Wireless telegraph apparatus, D. C., E. D. N. Y., Doc. E 8182, *R. C. A., et al.* v. *Universal Tube Mfg. Corp. et al.* Consent decree for plaintiff Jan. 13, 1937.

1,403,932. (See 1,403,475.) 1,421,045. (See 1,444,960.)

1,433,901, S. Marcus, Artificial eyes for dolls and display figures; Re. 18,332, same, Doll eyes, C. C. A., 2d Cir., Doc. 14953, *Margon Corp.* v. *E. Goldberger.* Decree reversed (notice Jan. 11, 1937).

1,434,268. (See 1,342,894.)

1,436,459, J. Reece, Seat cover; Re. 16,288 (of 1,544,141), R. R. Eddins, Slip cover for automobiles; 1,748,743, H. G. Wedler, Cover for seat backs, D. C., E. D.

Mo. (St. Louis), Doc. 12030, *Evr-Klean Seat Pad Co.* v. *S. Cohen, et al.* (*S. & L. Tire Co.*) Consent decree for plaintiff Jan. 11, 1937.

1,444,960, V. H. Emerson, Record for talking machines and method of making same; 1,421,045, H. L. Wadsworth, Process for recording sound records, D. C., S. D. N. Y., Doc. E 80/266, *Metal Recording Disc Co., et al.* v. *Broadcast Producers of N. Y., Inc., et al.* Consent order of discontinuance (notice Jan. 11, 1937).

1,468,601, M. Loughead, Hose fitting; 1,525,942, same, Fluid operated brake system; 1,847,402, same, Brake mechanism; 1,740,728, B. S. Floroday, same, 1,758,671, Loughead & Loweke, Pressure mechanism for brake system, D. C., S. D. N. Y., Doc. E 76/192, *Hydraulic Brake Co.* v. *E. I. S. Mfg. Co., Inc., et al.* Discontinued (notice Jan. 13, 1937).

1,475,980. (See 1,593,791.)

1,480,719. (See 1,374,505 (*a*).)

1,485,212. (See 1,737,671.)

1,487,033. (See 1,374,505 (*b*).)

1,493,674. (See 1,374,505 (*a*).)

1,507,016. (See 1,403,475.) 1,507,017. (See 1,403,475.)

1,507,563. (See 1,374,505 (*a*).)

1,525,942. (See 1,468,601.) 1,537,944. (See 1,584,929.)

1,537,945. (See 1,584,929.) 1,544,141. (See 1,436,459.)

1,559,937. (See 1,392,399.)

1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 1,728,879, same, Amplifying system; 2,052,316, R. E. Sagle, Variable condenser, D. C., E. D. N. Y., Doc. E 8183, *R. C. A. et al.* v. *Universal Tube Mfg. Corp. et al.* Consent decree for plaintiff Jan. 13, 1937.

1,579,497. (See 1,379,008.)

1,584,929, 1,584,933, Handy & Bull, Governor; 1,537,945, 1,537,944, R. Hufford, Governor for internal combustion motors; 1,927,973, A. A. Bull, Governor; 2,048,423, same, Stabilizer for suction governors; 2,039,396, Darnell & Adler, Governor, filed Dec. 23, 1936, D. C., N. D. Ill., E. Div., Doc. 15488, *Handy Governor Corp.* v. *Hoof Products Co.*

1,584,933. (See 1,584,929.)

1,593,791, C. G. Butler, Lubricating apparatus; 1,475,980, O. Zerk, same, D. C., S. D. Calif. (Los Angeles), Doc. E 1009–M, *Stewart-Warner Corp.* v. *New England Screw Machine Co. et al.* Consent decree finding certain claims infringed; injunction Jan. 11, 1937.

1,602,175. (See 1,379,008.) 1,605,172. (See 1,392,399.)

1,607,266. (See 1,374,505 (*b*).)

1,614,876. (See 1,392,399.) 1,618,017. (See 1,403,475.)

1,620,658, 1,752,983, W. F. Herold, Caster, filed Dec. 9, 1936, D. C., N. D. Ill., E. Div., Doc. 15476, *The Bassick Co.* v. *Faultless Caster Corp.*

1,622,957. (See Re. 18,852.)

1,652,561, A. O. Dady, Ironing machine; 1,656,656, 1,853,395, Anderson & Janda, same, filed Nov. 24, 1936, D. C., N. D. Ill., E. Div., Doc. 15412, *Conlon Corp.* v. *Sears, Roebuck & Co.*

1,656,656. (See 1,652,561.)

1,666,305, B. A. Proctor, News projection machine; 1,666,306, same, Tension control for ticker tape; 1,666,307, same, Jump absorbing mechanism; 2,061,512, A. D. Eitzen, Ticker tape projecting machine, filed Jan. 6, 1937, D. C. Minn., 4th Div., Doc. E 2954, *Trans-Lux Movie Ticker Corp. et al.* v. *J. E. Bennett et al.*

1,666,306. (See 1,666,305.) 1,666,307. (See 1,666,305.)

1,680,267. (See 1,389,067.)

1,680,894, H. G. Lykken, Pulverizer; 1,753,437, same, Material reducing and means therefor; 1,760,245, same, Device for reducing and feeding reduced materials; 1,807,923, same, Material treating device; 1,838,560, same, Reducing mill; 1,728,423, same, Fuel pulverizer; 1,903,313, W. G. Johnson, Scotch marine boiler construction, D. C., E. D. Wis. (Milwaukee), Doc. 4790, *The Strong-Scott Mfg. Co. et al.* v. *Dual Combustion Corp. et al.* Patents 1,680,894, 1,753,437, 1,760,245, 1,807,923 and 1,838,560 held valid; bill dismissed as to 1,728,423; and 1,903,313 in suit upon counter-claim held valid (notice Jan. 15, 1937).

1,707,617. (See 1,573,374.)

1,713,658. (See 1,374,505 (*b*).)

1,728,423. (See 1,680,894.) 1,728,879. (See 1,573,374.)

1,737,671, R. S. Ohl, Multi channel radio printing telegraph system; 1,737,672, same, Radio printing telegraph system; Re. 16,485 (of 1,485,212), J. B. Brady, Radio telegraph system, D. C., S. D. N. Y., Doc. E 51/216, *W. G. Finch* v. *H. A. Afel et al.* Dismissed without prejudice (notice Jan. 18, 1937).

1,737,672. (See 1,737,671.) 1,740,728. (See 1,468,601.)

1,748,743. (See 1,436,459.) 1,752,983. (See 1,620,658.)

1,753,437. (See 1,680,894.) 1,758,671. (See 1,468,601.)

1,760,245. (See 1,680,894.) 1,795,214. (See 1,573,374.)

1,807,923. (See 1,680,894.) 1,838,560. (See 1,680,894.)

1,847,402. (See 1,468,601.) 1,853,395. (See 1,652,561.)

1,854,107. (See 1,392,399.) 1,894,020. (See 1,392,399.)

1,894,197. (See 1,573,374.) 1,903,313. (See 1,680,894.)

1,927,973. (See 1,584,929.) 1,936,162. (See 1,403,475.)

1,937,190. (See 1,392,399.) 1,949,242. (See 1,392,399.)

2,039,396. (See 1,584,929.) 2,048,423. (See 1,584,929.)

2,052,316. (See 1,573,374.) 2,061,512. (See 1,666,305.)

Re. 16,288. (See 1,436,459.)

Re. 16,485. (See 1,737,671.)

Re. 16,674. (See 1,392,399.)

Re. 17,393. (See Re. 18,852.)

Re. 17,405. (See 1,379,008.)

Re. 17,618. (See 1,374,505 (*b*).)

Re. 17,903. (See 1,389,067.)

Re. 18,332. (See 1,433,901.)

Re. 18,579. (See 1,403,475.)

Re. 18,841. (See Re. 18,852.)

Re. 18,852 (of Re. 18,841, Re. 17,393 and 1,622,957), J. Mayer, Hair waving appliance, filed Dec. 17, 1936, D. C., E. D. Pa., Doc. 9623, *The Philad Co.* v. *H. Artzt et al.* (*Darvey Beauty Supply House*).

T. M. 158,867. (See 1,389,067.)

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,902,155, J. E. Berkheimer, Interlocking shingle, decided February 18, 1937, claim 1.

Pat. 1,905,397, C. G. Reynolds, Wall board construction, decided February 15, 1937, claims 1, 3, and 5.

Pat. 1,913,630, C. M. F. Friden, Calculating machine, decided January 15, 1937, claims 1, 2, 3, 4, 7, 8, and 10.

Pat. 1,970,835, R. C. Benner, Abrasive article and method of making same, decided January 29, 1937, claim 4.

Pat. 1,990,127, C. B. Lambert and R. P. De Vault, Potato peeler, decided January 18, 1937, claims 1 and 2.

Pat. 1,996,245, S. F. Hunt, Carburetor, decided February 13, 1937, claims 1, 2, and 3.

Pat. 2,001,340, J. W. Bear and R. R. Sublette, Envelope, decided December 28, 1936, claim 1.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 16, 1937

[VOL. 476. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 384,660. HERESITE & CHEMICAL COMPANY, Manitowoc, Wis. Filed Oct. 22, 1936.

HERESITE

For Molding Powders and Plastic and Synthetic Resinous Materials.

Claims use since Dec. 17, 1935.

Ser. No. 387,692. AIRPAK LIMITED, London, England. Filed Jan. 12, 1937.

TROPAL

For Kapok.

Claims use since July 9, 1936.

Ser. No. 387,950. OLD BEN COAL CORPORATION, Chicago, Ill. Filed Jan. 19, 1937.

EXCELLO

For Coal.

Claims use since Dec. 1, 1936.

Ser. No. 387,991. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Jan. 21, 1937.

PONTALITE

For Polymerized Derivative of Methacrylic Acid, Known as Methyl Methacrylate, Being in the Nature of a Solid Cast Resin or Plastic.

Claims use since May 21, 1936.

CLASS 2

Receptacles

Ser. No. 381,766. KEYES FIBRE COMPANY, Waterville, Maine. Filed Aug. 3, 1936.

BAKOWARE

For Containers Made from Molded Pulp for Baking or Serving Hot Foods or Liquids.

Claims use since July 23, 1936.

Ser. No. 386,137. ABERCROMBIE & FITCH COMPANY, New York, N. Y. Filed Dec. 1, 1936.



For Folding Wash Basins and Water-Buckets, Wall-Pockets, Match-Boxes, Friction-Top Cans, Friction-Top Tins, Salt and Pepper Shakers of Wood and Non-Precious Metal, Canteens, Drinking Flasks, Picnic Baskets, Buckets, Receptacles for Fire Wood, Beverage Trays, Jars and Boxes for Tobacco, Cigars, and Cigarettes, Thermic Ice Containers, Thermic Bottles and Jugs.

Claims use since January, 1900.

Ser. No. 387,790. ULLE C. LINTON, doing business as Hedisco Company, Washington, D. C. Filed Jan. 14, 1937.

HEDISCO

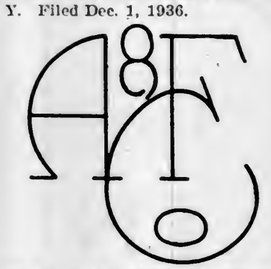
For Paper Cups, Cans, Bottles, and Similar Receptacles or Containers Made of Paper Specially Treated or Otherwise.

Claims use since Jan. 12, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 386,138. ABERCROMBIE & FITCH COMPANY, New York, N. Y. Filed Dec. 1, 1936.



For Rucksacks, Duffle Bags, Food-Bags and Food Containers, Carryalls, Alforjas, Valise-Packs, Panniers, Brief-

Cases, Pack-Cloths, Camp-Packs, Wicker Pack Baskets, Sportsmen's Bags, Lariats, Baggage Carriers, Live Decoy Straps, Trunks, Kit Bags and Boxes, Hat Boxes, Portfolios, Pocket Books, Wallets, Saddles, Saddle Pads, Harness for Horses, Dogs and Cats, Crops and Whips, Hand Bags, Valises, Suit Cases, and Trunks.
Claims use since January, 1904.

Ser. No. 387,141. JACOB NEUMANN, doing business as Crown Luggage Co., Baltimore, Md. Filed Dec. 24, 1936.

ROYAL BLUE by CROWN

For Luggage—Namely, Wardrobes, Fitted Luggage, Overnight Cases, Week-End Cases, Hat Boxes, Empty Vanity and Make-Up Cases, and Utility Cases.
Claims use since Dec. 15, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 362,605. A. M. ALEXANDER, Chicago, Ill. Filed Mar. 16, 1935.

Pronto

For Hand Cleanser in Cream or Paste Form.
Claims use since July 1, 1930.

Ser. No. 383,502. NICOLA FUSCO, doing business as E-Z-E Shave Manufacturing Co., Brooklyn, N. Y. Filed Sept. 22, 1936.

E·Z·E

For Beard Softener for Shaving.
Claims use since Jan. 1, 1935.

Ser. No. 386,280. UNIVERSAL CHEMICAL CORPORATION, Akron, Ohio. Filed Dec. 3, 1936.

2 IN 1

For Soap for Personal Use.
Claims use since November, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 370,762. FOOT FILTER, INC., Jersey City, N. J. Filed Oct. 24, 1935.

Foot Filter

For Medicated Pads for Insertion Into Shoes for Deodorizing and Eliminating Bromidrosis.
Claims use since May 21, 1935.

Ser. No. 373,073. DERRIS, INC., New York, N. Y. Filed Dec. 26, 1935.

HI - DI

For Insecticides.
Claims use since Nov. 4, 1935.

Ser. No. 373,202. MARK CROSS COMPANY, New York, N. Y. Filed Dec. 31, 1935.

ESTABLISHED 1845 MARK CROSS ENGLAND

The word "England" is disclaimed apart from the mark as shown.
For Perfumes and Toilet Waters.
Claims use since Dec. 1, 1935.

Ser. No. 373,556. JOHN G. BOYLE, Saginaw, Mich. Filed Jan. 11, 1936.

Beaute d'or

For Cleansing Cream, Tissue Builder, Cleansing Liquid, Astringent Cream, Astringent Lotion, Foundation Cream, Skinfood, Adherent Lotion, Toning Solution, Special Skin Mixture, Muscle Oil, Skin Tonic, Pore Cream, Pore Lotion, Wrinkle Cream, Blackhead Lotion, Blackhead Cream, Antiseptic Skin Tonic, Orange Skin Food, Acne Lotion, Circulation Ointment, Freckle Cream, Skin Whitener, Hand Lotion, Chap Healer, Scalp Lotion, Shampoo, Dandruff Remover, Scalp Food, Scalp Oil, Rouge, Hair Tonic, Wrinkle Lotion, Honey Almond Cream, Lip Paste, Lip Stick, Eye Shadow, Eyebrow Pencil, Face Powder, Sunburn Cream, Facial Pack, Brilliantine, Bath Powder, Vanishing Cream, Cold Cream, Perfumes, Facial Soaps.
Claims use since Sept. 28, 1933.

Ser. No. 376,207. HEYDEN CHEMICAL CORPORATION, New York, N. Y. Filed Mar. 20, 1936.

PARASEPT

For Organic Acid Derivatives Serving as Antiseptics, Preservatives, Germicides, Anti-Oxidants.
Claims use since June 5, 1935.

Ser. No. 377,302. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Apr. 17, 1936. Under section 5b of the act of 1905 as amended in 1920.

COLGATE

For Industrial Alkali.
Claims use since January, 1936.

Ser. No. 377,304. WALTER P. CORCORAN, doing business as Madra Yvonne Co., Cincinnati, Ohio. Filed Apr. 17, 1936.



For Hand Lotion, Cleansing Cream, Peach Cleansing Cream, Texture Cream, Facial Pack, Skin Tonic (Liquid Astringent), Finishing Lotion.
Claims use since Apr. 10, 1936.

Ser. No. 377,997. PHARMACEUTISCHE GESELLSCHAFT "VADAG" AKTIENGESELLSCHAFT, Vaduz, Lichtenstein, Filed May, 4, 1936.

REVIVAL

For Compound for the Treatment of Syphilis and Similar Diseases.
Claims use since Oct. 13, 1930.

Ser. No. 377,998. PHARMACEUTISCHE GESELLSCHAFT "VADAG" AKTIENGESELLSCHAFT, Vaduz, Lichtenstein. Filed May 4, 1936.

NEOSALUTAN

For Compound for the Treatment of Syphilis and Similar Diseases.
Claims use since Oct. 31, 1935.

Ser. No. 378,689. BON-PIER COMPANY, Canton, Ohio. Filed May 21, 1936.

SIMPLE SAFE SURE SKOTTIE DOG CHASER

The words "Simple, Safe, Sure" are disclaimed.
For Dog and Animal Repellent Used to Protect Shrubbery, Plants, and Trees.
Claims use since May 1, 1936.

Ser. No. 383,383. E. BILHUBER, INC., Jersey City, N. J. Filed Sept. 18, 1936.

Dicodid

For Medicinal Compound Used Principally for the Relief of Pain and Cough.
Claims use since July 6, 1936.

Ser. No. 383,544. PO-HO-CO. A. G. BASEL GESELLSCHAFT FÜR PO-HO-VERBREITUNG, Basel, Switzerland. Filed Sept. 23, 1936.



The Chinese characters appearing as part of the mark mean "This oil is healing at our will." The signature appearing as part of the mark is that of Dr. O. Jurnitschek.
No claim is made to any of the notation appearing on the drawing except "U-N-N"; "Ultra Nostra Nihil"; "Olbas", the signature of "Dr. O. Jurnitschek", and the name of the applicant—"Po-Ho-Co. A. G."
For Medicinal Preparation Used in the Treatment or Prevention of Colds and Affections of the Throat and Nasal Passages, Also for the Treatment of Neuralgia and Rheumatic Pains and Disorders of the Stomach.
Claims use since June, 1930.

Ser. No. 384,373. DELBERT B. EASLEY, Bartlesville, Okla. Filed Oct. 15, 1936.

"ANIMATE"
EASLEY

For Medicinal Preparation Used Externally by Physicians as an Absorbent and Counter-Irritant on the Human Skin.
Claims use since Dec. 1, 1932.

Ser. No. 385,652. THOMAS L. STAPLETON, Wyoming, Pa. Filed Nov. 17, 1936.

Double A

For Pharmaceutical Preparation Found Useful for the Relief of Flatulence, for the Relief of Spasmodic Pains, as an Astringent (in the Intestines), Also an Antacid and Stimulant (in the Stomach).
Claims use since Oct. 1, 1933.

Ser. No. 385,809. SOCIÉTÉ DES PARFUMS WEIL, SOCIÉTÉ ANONYME, Paris, France. Filed Nov. 20, 1936.

VIOLETTE VICTORIENNE

The word "Violette" is disclaimed apart from the mark.
For Perfumes, Toilet Waters, Rouge, Lipstick, and Face Creams.
Claims use since Oct. 9, 1936.

Ser. No. 385,932. MANUCOL PRODUCTS LIMITED, London, England. Filed Nov. 24, 1936.

MANUCOL

For Alginic Acid and Salts of Alginic Acid, Particularly Sodium Alginate.
Claims use since July 28, 1936.

Ser. No. 386,081. FRANZ NEUSCHAEFER, doing business as Plat-Num Laboratories, New York, N. Y. Filed Nov. 28, 1936.

PLAT • NUM

For Cosmetics—Namely, Nail Polish, Nail Polish Remover, Cuticle Oil, Cuticle Remover, Liquid Nail White, Finger Nail Pencils, Nail Polish Removing Cream, Manicure Cream, Manicure Bath (a Material Which Dissolved in Water May Be Used to Soften and Cleanse the Cuticle During Manicuring), Sun Tan Oil, Hand Lotion, and Hand Cream.
The trade-mark has been used and applied to manicure bath since January 20, 1932, to nail polish and nail polish remover, cuticle oil, cuticle remover, and liquid nail white since January, 1932, to nail polish removing cream since February, 1935, to sun tan oil since June, 1935, to nail pencils since February, 1936, to manicure cream since March, 1936, and to hand lotion and hand cream since October, 1936.

Ser. No. 386,096. HARRY W. BOYD, Slippery Rock, Pa. Filed Nov. 30, 1936.



The words "Trade Mark" are disclaimed.
For Medicinal Preparation for Use as a General Tonic, an Ointment for the Treatment of Sores and Skin Eruptions, and Cough Syrup for Coughs in General.
Claims use since Oct. 22, 1936.

Ser. No. 386,208. MARCUS A. FULLER, Springfield, Mass. Filed Dec. 2, 1936.

Enamolite

For Dentifrices.
Claims use since Nov. 28, 1936.

Ser. No. 386,209. MARCUS A. FULLER, Springfield, Mass. Filed Dec. 2, 1936.

Enamodent

For Dentifrices.
Claims use since Nov. 28, 1936.

Ser. No. 386,303. BLOCKSON CHEMICAL CO., Joliet, Ill. Filed Dec. 4, 1936.

ARISTO PHOSPHATE

The word "Phosphate" is disclaimed apart from the mark.
For Mono Calcium Phosphate.
Claims use since June 16, 1934.

Ser. No. 386,380. E. R. SQUIBB & SONS, New York, N. Y. Filed Dec. 5, 1936.

CALFO-RAYOL

For Preparations Containing Calcium, Phosphorus, and Vitamin D.
Claims use since May 2, 1935.

Ser. No. 386,477. GIACOMO BERNARDI, doing business as Benaris, Cleveland, Ohio. Filed Dec. 8, 1936.

BENARIS

For Drugs, Medicines, and Pharmaceutical Preparations for Relieving and Treating Colds, Coughs, Bronchitis, Laryngitis, Hay Fever, and Catarrh.
Claims use since Dec. 1, 1935.

Ser. No. 386,569. CHARLES ROSSBERG, JR., Baltimore, Md. Filed Dec. 8, 1936.

Car-De

For Cream for Dermato-Therapeutical Medication.
Claims use since 1934.

Ser. No. 386,864. DAVE O. LOFTHOUSE, Bemidji, Minn. Filed Dec. 17, 1936.

NO TRACE

For Breath Neutralizer in Tablet Form.
Claims use since July 15, 1936.

Ser. No. 387,128. B. HELLER & COMPANY, Chicago, Ill. Filed Dec. 24, 1936.



For Bedbug Destroyer.
Claims use since Mar. 16, 1927.

Ser. No. 387,229. GEORGE B. TERRELL, doing business as T and T Tooth Powder Company, Flushing, N. Y. Filed Dec. 28, 1936.

T AND T
Tooth Powder

The words "Tooth Powder" are disclaimed apart from the mark.
For Tooth Powder.
Claims use since Mar. 16, 1935.

Ser. No. 387,275. GUERLAIN PERFUMERY CORPORATION OF DELAWARE, Wilmington, Del., and New York, N. Y. Filed Dec. 30, 1936.

VEGA

For Perfumes, Toilet Water, Vegetable Lotion, Talcum Powder, Face Powder, Brilliantine.
Claims use since Dec. 22, 1936.

Ser. No. 387,329. LENTHERIC, INCORPORATED, New York, N. Y. Filed Dec. 31, 1936.



For Skin Protecting and Beautifying Preparation.
Claims use since Dec. 23, 1936.

Ser. No. 387,399. SCHERING CORPORATION, Bloomfield, N. J. Filed Jan. 2, 1937.

OLNERIN

For Medicinal Preparation for Conditions Associated with Exhaustion of the Cardiac Muscle, Primarily in Cases of Auricular Fibrillation.
Claims use since Dec. 16, 1936.

Ser. No. 387,417. FRANCIS E. ZEPP, Miami, Fla. Filed Jan. 6, 1937.

ZEPPO

For Pile Ointment.
Claims use since Oct. 29, 1936.

Ser. No. 387,444. ROCKLAND CHEMICAL CO., Newark, N. J. Filed Jan. 4, 1937.

PENN-X

For Disinfectant, Germicide, and Deodorant Preparation in Liquid Form.
Claims use since January, 1931.

Ser. No. 387,447. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va. Filed Jan. 4, 1937.

LUCKY LEAVEN

For Monocalcium Phosphate.
Claims use since Dec. 11, 1936.

Ser. No. 387,449. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Jan. 5, 1937.

ATLAS

For Hydraulic Brake Fluid for Use in Automobiles.
Claims use since Dec. 8, 1936.

Ser. No. 387,492. BOURJOIS, INC., New York, N. Y. Filed Jan. 6, 1937.

KOBAKO

For Perfume.
Claims use since Sept. 8, 1936.

Ser. No. 387,493. BROGIROT, INCORPORATED, New York, N. Y. Filed Jan. 6, 1937.

REMLIN

For Pharmaceutical Preparation to be Used Externally as a Liniment in the Relief of Topical Muscle Pain, Strains, and Sprains.
Claims use since Dec. 16, 1936.

Ser. No. 387,538. CHAPPEL BROS., INC., Rockford, Ill. Filed Jan. 7, 1937.

LIV-IRN

For Medicinal Compound for Treatment of Anemia.
Claims use since Feb. 25, 1936.

Ser. No. 387,569. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Jan. 7, 1937.

Silloid

For Preparation for Use in Checking Micro-Organisms.
Claims use since June 24, 1924.

Ser. No. 387,586. MECHLING BROTHERS CHEMICAL COMPANY, Camden, N. J. Filed Jan. 8, 1937.

KLOR-KAL

For Calcium Chloride.
Claims use since Dec. 15, 1936.

Ser. No. 387,595. PICOT LABORATORIES, INC., Wilmington, Del. Filed Jan. 8, 1937.



The body of the central panel and the "Picot" border above and below are orange-yellow, the leaves are green, and the grapes are purple, and this color scheme is an essential feature of the mark.

For Medicinal Preparation Suitable for Use as a Laxative, Purgative, Aperient, Diuretic, Intestinal Eliminant, and for the Treatment of Constipation and Ailments Attributable Thereto.
Claims use since 1924.

Ser. No. 387,601. E. R. SQUIBB & SONS, New York, N. Y. Filed Jan. 8, 1937.

PREGNIOTIN

For Pregnancy-Test Preparation.
Claims use since Dec. 31, 1936.

Ser. No. 387,619. ANTONIO CAJIGAS, doing business as Boricua Medicine Company, New York, N. Y. Filed Jan. 9, 1937.



The words "Alcoholado, Fabricado en Puerto Rico, Aromatico y Medicinal, for External Use, New York, Puerto Rico, Alcohol 75%, Contents 10 Fl. Oz." are disclaimed apart from the mark.

For Bay Rum.
Claims use since July, 1931.

Ser. No. 387,621. THE GROVE LABORATORIES, INC., doing business as Beaumont Laboratories, Wilmington, Del., and St. Louis, Mo. Filed Jan. 9, 1937.

4 WAY

For Medicated Ointment for the Relief of Congestion and Colds.
Claims use since Dec. 17, 1936.

Ser. No. 387,630. RIFA-NEW YORK, INC., New York, N. Y. Filed Jan. 9, 1937.

ROSANTHOL

For Natural and Synthetic Essential Oils Suitable for Perfumery Purposes, Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream, and Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Jan. 21, 1936.

Ser. No. 387,649. ABBOTT LABORATORIES, North Chicago, Ill. Filed Jan. 11, 1937.

CALCIDRINE

For Syrup for Use as a Sedative and Expectorant in Coughs due to Colds.
Claims use since Oct. 11, 1934.

Ser. No. 387,657. CHICAGO PHARMACAL CO., Chicago, Ill. Filed Jan. 11, 1937.

Citracodol

For Cough Syrup.
Claims use since Sept. 22, 1936.

Ser. No. 387,664. ELLEN CLARICE DOWNEY, doing business as Ellen Clarice Co., Detroit, Mich., Hollywood, Calif, and New York, N. Y. Filed Jan. 11, 1937.

ELLEN *Clarice*

For Beauty Creams, Cleansing Creams, Liquefying Creams, Cold Creams, Tissue Creams, Vitamin Creams, Vanishing Creams, Hand Creams, Skin Lotions, Face Powders, Astringents, and Hair Tonics.
Claims use since 1911.

Ser. No. 387,747. KENT REMEDIES, INC., Brooklyn, N. Y. Filed Jan. 13, 1937.

Artridon

For Stomach Preparation.
Claims use since Dec. 8, 1936.

Ser. No. 387,748. KENT REMEDIES, INC., Brooklyn, N. Y. Filed Jan. 13, 1937.

Boncodon

For Cough Medicine.
Claims use since Dec. 8, 1936.

Ser. No. 387,757. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Jan. 13, 1937.

BENZEDRINA

For Medicinal Preparation, More Particularly for Shrinking the Nasal Mucosa.
Claims use since July 9, 1935.

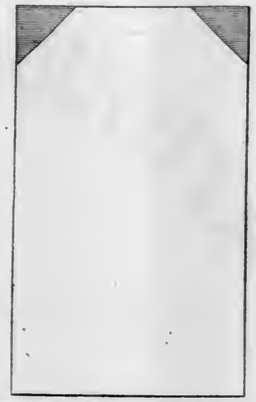
Ser. No. 387,776. SAMUEL BONAT & BRO., New York, N. Y. Filed Jan. 14, 1937.

STANDO SOLUTION

The word "Solution" is disclaimed apart from the mark.

For Hair Waving Solution, Hair Rinse, Hair Tonic, and Hair Shampoo.
Claims use since Feb. 1, 1933.

Ser. No. 387,818. CHILEAN NITRATE SALES CORPORATION, New York, N. Y. Filed Jan. 15, 1937.



Trade-mark consists of blue triangular areas at the top corners of the bag in which the goods are packed. The representation of a bag is disclaimed.
For Nitrate of Soda.
Claims use since Oct. 2, 1936.

Ser. No. 388,266. JADWIGA REMEDIES, INC., Brooklyn, N. Y. Filed Jan. 28, 1937.

WYNOLA

For Medicinal Wine for Use as a Laxative and Mild Appetizer.
Claims use since 1929.

CLASS 7

Cordage

Ser. No. 387,893. FARM SERVICE STORES, INC., Minneapolis, Minn. Filed Jan. 18, 1937.

SERVALL

For Binder Twine Used for Binding Stalks of Grain.
Claims use since Dec. 18, 1936.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 386,139. ABERCROMBIE & FITCH COMPANY, New York, N. Y. Filed Dec. 1, 1936.

A&F

For Ash Trays, Cigar and Tobacco Humidors, Pipes, Cigar and Cigarette Holders, Pipe Racks, Tobacco Pouches, Cigarette and Cigar Cases of Base Metal, Pipe Cleaners, and Reamers.
Claims use since January, 1912.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 386,511. WEST VIRGINIA MATCH CORP., Wheeling, W. Va. Filed Dec. 8, 1936.

SUNBEAM

For Matches.
Claims use since July 1, 1928.

Ser. No. 387,710. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Jan. 12, 1937.

FIELDMASTER

For Firearms, Particularly Sporting Shotguns and Rifles.
Claims use since Sept. 17, 1936.

CLASS 12

Construction Materials

Ser. No. 383,597. THE R. C. A. RUBBER COMPANY, Akron, Ohio. Filed Sept. 24, 1936.

FLEXI-TILE

The word "Tile" is disclaimed apart from the mark.
For Rubber Composition Flooring and Wall Material in Block or Sheet Form.
Claims use since Apr. 21, 1936.

Ser. No. 385,201. THE RUBEROID CO., Boundbrook, N. J., and New York, N. Y. Filed Nov. 5, 1936.

ECONOTOP

For Asbestos-Cement Shingles.
Claims use since Jan. 26, 1933.

Ser. No. 386,808. I. F. LAUCKS, INC., Seattle, Wash. Filed Dec. 16, 1936.

REZIWOOD

For Plywood and Veneer.
Claims use since Dec. 1, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 383,894. NEW JERSEY PORCELAIN COMPANY, Trenton, N. J. Filed Oct. 2, 1936.

CHAMPION

For Bathroom Fixtures—Namely, Soap Holders, Toilet Paper Holders, Tumbler Holders, Tooth Brush Holders, Towel Bars, Combination Tooth Brush and Tumbler Holders, Combination Soap Holder and Grab Bar Constructions, and Similar Bathroom Fixtures.
Claims use since July 9, 1936.

Ser. No. 387,104. THE BASSICK COMPANY, Bridgeport, Conn. Filed Dec. 24, 1936.

Baco

For Furniture Caster Wheels.
Claims use since Apr. 1, 1931.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 380,938. WORTHINGTON PUMP AND MACHINERY CORPORATION, Harrison, N. J. Filed July 11, 1936.

WORTHITE

For Ferrous Metal in Pigs, Metal Castings, and Forgings, in the Rough, Semi-Finished, and Finished.
Claims use since Mar. 20, 1936.

Ser. No. 381,281. THE NICRALUMIN COMPANY, Jackson, Mich. Filed July 17, 1936.

NICRAL

For Alloyed Aluminum Sheets, Rods, Bars, Blocks, Rails, and Rolled, Wrought, Cast, or Pressed Shapes.
Claims use since Jan. 1, 1932.

Ser. No. 386,145. BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed Dec. 1, 1936.

BETHANIZED

For Zinc Coated Wire.
Claims use since Aug. 18, 1933.

Ser. No. 386,921. RICHARD J. WOOLDRIDGE, Glastonbury, Conn. Filed Dec. 18, 1936.

ALMARC FLUX

The word "Flux" is disclaimed apart from the mark.
For Aluminum Welding Rods and Electrodes.
Claims use since Dec. 4, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 385,361. THE MAHONING PAINT & OIL COMPANY, Youngstown, Ohio. Filed Nov. 10, 1936.

TUNGLO

For Ready Mixed Paints and Paints in Paste and in Powder Form, Varnish, Paint Enamel, and Thinners for Ready Mixed and Paste Paints.
Claims use since Oct. 23, 1935.

Ser. No. 387,713. SEMET-SOLVAY COMPANY, New York, N. Y. Filed Jan. 12, 1937.

CRYSOLITE

For Protective Paints, and Roof Coating in the Nature of Paint.
Claims use since 1925 to said roof coating; since Jan. 1, 1902, to said protective paints.

CLASS 17

Tobacco Products

Ser. No. 386,632. CARIOCA ENTERPRISES CORPORATION, New York, N. Y. Filed Dec. 11, 1936.

Carioca

For Cigarettes and Cigars.
Claims use since September, 1936.

Ser. No. 387,669. SAMUEL GREENBERG, doing business as Lorraine Pipe Shop, New York, N. Y. Filed Jan. 11, 1937.

Royal English

The word "English" is disclaimed except as shown.
For Packages and Tins of Smoking Tobacco.
Claims use since Aug. 15, 1935.

Ser. No. 388,082. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Jan. 23, 1937.

BRIGADIER

For Cigarettes.
Claims use since Dec. 15, 1936.

Ser. No. 388,084. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Jan. 23, 1937.

K. S.

For Cigarettes.
Claims use since Dec. 15, 1936.

Ser. No. 388,085. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Jan. 23, 1937.

LORD LONDON

For Cigarettes.
Claims use since Dec. 11, 1936.

Ser. No. 388,086. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Jan. 23, 1937.

SEVEN ISLAND CLUB

For Cigarettes.
Claims use since Dec. 3, 1936.

Ser. No. 388,088. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Jan. 23, 1937.

TARTAN

For Cigarettes.
Claims use since Dec. 7, 1936.

Ser. No. 388,302. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Jan. 29, 1937.

ZEPHYR

For Cigarettes.
Claims use since Jan. 15, 1937.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 381,156. FORD MOTOR SALES COMPANY, Dearborn and Highland Park, Mich. Filed July 18, 1936.

R&G

For Passenger Automobiles and Motor Trucks.
Claims use since July 5, 1935.

Ser. No. 386,731. KABIN KOACH COMPANY, East Detroit, Mich. Filed Dec. 14, 1936.

KABIN KOACH

The word "Koach" is disclaimed apart from the mark.
For Trailers.
Claims use since July 13, 1934.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 387,974. BIRD & SON, INC., East Walpole, Mass. Filed Jan. 21, 1937.

ECONOMY

For Floor Covering of the Hard-Surfaced Flexible Type Comprising a Fibrous Base and a Decorative Wearing Layer Thereon.
Claims use since September, 1925.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 383,630. FAY T. KENT, doing business as Fay Company, New York, N. Y. Filed Sept. 25, 1936.

FAY FLOOR MACHINE ROYAL MODEL

The words "Floor Machine" and "Model" are disclaimed apart from the mark.
For Electric Floor Machines.
Claims use since Apr. 1, 1935.

Ser. No. 385,957. ELMA PRODUCTS COMPANY, Norwalk, Conn. Filed Nov. 27, 1936.

ELMA

For Vehicle Electric Directional Signals and Vehicle Electric Lamps and Lights.
Claims use since Apr. 23, 1936.

Ser. No. 387,151. USL BATTERY CORPORATION, Niagara Falls, N. Y. Filed Dec. 24, 1936.

20th CENTURY POWER

The word "Power" is disclaimed apart from the mark as shown.
For Storage Batteries and Parts Therefor
Claims use since Jan. 27, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 385,109. JOHN FRIER, doing business as Alox Manufacturing Company, Weliston, Mo. Filed Nov. 3, 1936.

AMERICAN EAGLE



For Kites.
Claims use since Jan. 2, 1927.

Ser. No. 385,221. H. FISHLOVE & CO., Chicago, Ill. Filed Nov. 6, 1936.

AMERICAN HAIRLESS DOG

For Imitation Sausages Made of Some Non-Edible Material.
Claims use since April, 1934.

Ser. No. 385,314. TEN-O-WIN AMUSEMENT COMPANY, San Francisco, Calif. Filed Nov. 9, 1936.

TEN-O-WIN

For Amusement Apparatus Consisting of Multiple Discs.
Claims use since Aug. 13, 1936.

Ser. No. 386,210. HOLLYWOOD AMUSEMENT COMPANY, INC., Chicago, Ill. Filed Dec. 2, 1936.

WAHOO

For Cards for an Amusement Game Played in the Manner of Bingo.
Claims use since Oct. 1, 1936.

Ser. No. 387,161. GAY GAMES, INCORPORATED, Muncie, Ind. Filed Dec. 28, 1936.

E-Z-PICKIN'

For Jar and Board Games Wherein Individual Elements Bear Concealed Legending and are Relatively Loosely Contained in a Jar, Vessel, or the Like, or Are Suitably Secured to a Card or Board, Respectively.
Claims use since Sept. 1, 1935.

Ser. No. 387,357. AUSTIN G. TODD, Kansas City, Mo. Filed Dec. 31, 1936.

SOL-I-TARY

The representation of a checker is disclaimed apart from the mark shown.
For Games Played with a Board and Movable Pieces.
Claims use since Oct. 30, 1936.

Ser. No. 387,891. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Jan. 18, 1937.

ESCO

For Coin-Controlled Amusement Apparatus and Marksmanship Practicing Apparatus in Which a Bullet of Light is Employed to Impinge Upon a Photo-Electric Cell.
Claims use since Nov. 25, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 387,131. THE JOYCE-CRIDLAND CO., Dayton, Ohio. Filed Dec. 24, 1936.



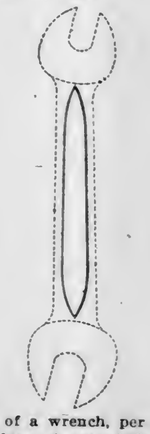
For Lifting Mechanism, More Particularly Automobile Lifts and Lifting Jacks.
Claims use since August, 1933 on lifts; since Aug. 29, 1935 on jacks.

Ser. No. 387,892. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Jan. 18, 1937.

ESCO

For Coin-Controlled Vending Machines.
Claims use since Nov. 25, 1936.

Ser. No. 387,905. INDESTRO MANUFACTURING CORP., Chicago, Ill. Filed Jan. 18, 1937.



The representation of a wrench, per se, is disclaimed. The mark consists of an elongated figure with pointed ends impressed in the handle or shank portions of the wrenches.

For Wrenches.
Claims use since Dec. 30, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 381,164. E. B. MEYROWITZ, INC., New York, N. Y. Filed July 18, 1936.

AimRite

For Eye-Glasses for Sporting Purposes.
Claims use since Apr. 15, 1936.

Ser. No. 387,252. NEW YORK EYE PROTECTION CO., INC., Brooklyn, N. Y. Filed Dec. 29, 1936.

POL-VEX

For Goggles and Protective Glasses for Personal Wear for Protection of Eyes.
Claims use since Sept. 14, 1935.

CLASS 27

Horological Instruments

Ser. No. 388,013. FRITZ MARTI, La Chaux-de-Fonds, Switzerland. Filed Jan. 21, 1937.

INCABLOC

For Watches and Horological Movements and Parts Thereof.
Claims use since January, 1933.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 387,791. LONDON HOUSE, LTD., New York, N. Y. Filed Jan. 14, 1937.

CONTOUR WAVE

For Hair Brushes.
Claims use since Aug. 5, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 386,708. GREENPOINT METALLIC BED COMPANY, INC., Brooklyn, N. Y. Filed Dec. 14, 1936.



For Bed Springs and Mattresses.
Claims use since Sept. 1, 1928.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 385,503. AMERICAN BRAKEBLOK CORPORATION, New York, N. Y., and Detroit, Mich. Filed Nov. 14, 1936.



The word "Brakeblok" is disclaimed apart from the mark.

For Frictional Elements for Brakes and Clutches, and Fan Belts, Radiator Hose, and Generator Couplings Made Partly of Rubber.
Claims use since Nov. 2, 1936.

CLASS 37

Paper and Stationery

Ser. No. 385,827. RAYMOND J. CHEESMAN, Washington, D. C. Filed Nov. 21, 1936.

TRI SQUARE

For White and Colored Sheet, Card, Strip, and Roll Paper for the Purposes of Printing, Writing, Drawing, Tracing, Blotting, Wrapping, Sealing, Reproducing, Duplicating, Including Such Paper and Stationery Known to the Trade as Mimeograph Paper, Map Paper, Manifold Paper, Bond Paper, Letter Head, Ledger Paper, Index Paper, Cover Paper, Manila Paper, Tracing Cloth, Duplicating Tissue, Lithograph Paper, Gummed Paper, Oiled Paper, Paraffined Paper, Stencil Paper, Graph Paper, Kraft Paper, Tag Paper, Loose-Leaf Paper, Tablet Paper, Memoranda Book Paper, Album Book Paper, Calendar Book Paper, Envelope Paper, Bristol Board, Card Board, Tag Board, Press Board, Binders Board, Illustrating Board, and Folders, and for Envelopes, Erasers, Mechanical Pencils, Wood Cased Pencils, Crayons, Thumb Tacks, Mailing Tubes, Pencil Lengtheners, and Pencil Leads.
Claims use since Sept. 10, 1936.

Ser. No. 386,582. EATON PAPER CORPORATION, Pittsfield, Mass. Filed Dec. 10, 1936.



made by EATON in the BERKSHIRES

The term "Made by Eaton in the Berkshires" and representation of a sheet of paper and an envelope are disclaimed apart from the mark shown.

For Stationery Consisting of Writing Paper in the Form of Pound Goods as Well as Ream Goods, Envelopes, and Papeteries.
Claims use since Nov. 2, 1936.

Ser. No. 386,607. SUPREME LABEL CO., INC., New York, N. Y. Filed Dec. 10, 1936.



The words "Fabric Labels", "New York", and "29-31 East 22nd St." are disclaimed apart from the mark.

For Labels, Name Tapes, and Tags.
Claims use since Jan. 2, 1929.

Ser. No. 387,224. STRATHMORE PAPER COMPANY, West Springfield, Mass. Filed Dec. 28, 1936.

Strathmore Charcoal Book

The words "Charcoal Book" are disclaimed apart from the mark. Applicant is owner of Regs. Nos. 232,843, 277,723, and 292,459.

For Book Cover and Printing Papers.
Claims use since February, 1923.

Ser. No. 387,625. NASHUA GUMMED AND COATED PAPER COMPANY, Nashua, N. H. Filed Jan. 9, 1937.

PRESTO SEAL

The word "Seal" is disclaimed apart from the mark.
For Wrapping Bands.
Claims use since Dec. 30, 1936.

Ser. No. 388,375. THE STERILEK COMPANY INC., Brooklyn, N. Y. Filed Jan. 30, 1937.

GLO-MORE

For Facial Tissues.
Claims use since Dec. 17, 1936.

CLASS 38

Prints and Publications

Ser. No. 385,987. G. & C. MERRIAM COMPANY, Springfield, Mass. Filed Nov. 25, 1936.



The words "Dictionary Fifth Edition" are disclaimed except as shown. Applicant is the owner of Reg. Nos. 162,309 and 172,131.

For Books, Particularly Dictionaries Published from Time to Time.
Claims use since July 1, 1936.

Ser. No. 387,691. THE GROCERS' SPOTLIGHT, Detroit, Mich. Filed Jan. 11, 1937.

THE GROCERS' SPOTLIGHT

For Periodical.
Claims use since Nov. 1, 1933.

Ser. No. 387,700. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Jan. 12, 1937.

TRUE ADVENTURE TALES

For Magazines Published Every Month.
Claims use since Dec. 29, 1936.

CLASS 39

Clothing

Ser. No. 374,394. ARTCRAFT SILK HOSIERY MILLS, INC., Philadelphia, Pa. Filed Feb. 3, 1936.

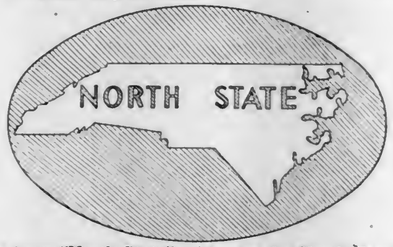
Town Chiffon

By

Artcraft

The word "Chiffon" is disclaimed apart from the mark.
For Women's Hosiery.
Claims use since Jan. 15, 1936.

Ser. No. 381,376. CLAUDIUS M. PETTY, doing business as Superior Garment Manufacturing Company, Wilkesboro, N. C. Filed July 23, 1936.



The term "North State", nickname for North Carolina, and the map of North Carolina are disclaimed apart from the mark.
For Overalls, Overall Jackets, Men's, Women's and Children's Pants, Doctors' and Nurses' Uniforms, Pajamas and Night Shirts and Gowns for Men, Women and Children, Dress Gowns and Dresses for Women, Women's Under Slips, Dresses and Play Suits for Children, Barbers' Uniform Coats, and Sportsmen's Coats and Riding Pants.
Claims use since Apr. 1, 1933.

Ser. No. 381,806. SIDNEY FRUHMAN, Dallas, Tex. Filed Aug. 4, 1936.

RHEALEE

For Women's Straw Hats and Felt Hats of All Styles.
Claims use since March, 1932.

Ser. No. 382,223. INTERNATIONAL SHOE CO., St. Louis, Mo. Filed Aug. 15, 1936.

Lady Fashion
HEEL-CUP

The word "Heel-Cup" is disclaimed apart from the mark as shown.
For Boots and Shoes of Leather, Fabric, and/or Combinations Thereof.
Claims use since Aug. 7, 1936.

Ser. No. 384,306. WESTERN UNDERWEAR CO., INC., New York, N. Y. Filed Oct. 13, 1936.

WESTERN MAID
REGIMENTAL SILK

The word "Silk" is disclaimed apart from the mark.
For Ladies' and Misses' Chemises, Negligees, Costume Slips, Panties, Brassières, Bloomers, Nightgowns, and Pajamas.
Claims use since July 18, 1935.

Ser. No. 384,307. WESTERN UNDERWEAR CO., INC., New York, N. Y. Filed Oct. 13, 1936.

WESTERN MAID
SUPER SILK

The word "Silk" is disclaimed apart from the mark.
For Ladies' and Misses' Chemises, Negligees, Costume Slips, Panties, Brassières, Bloomers, Nightgowns, and Pajamas.
Claims use since July 1, 1935.

Ser. No. 384,989. BARMON BROTHERS COMPANY INC., Buffalo, N. Y. Filed Oct. 31, 1936.

CHATEAU
PROUDLY FASHIONABLE

The words "Proudly Fashionable" are disclaimed apart from the mark as shown.
For Women's and Misses' Frocks, Dresses, Smocks, Wrap-Around Dresses, House and Hostess Coats, Lounging Robes or Fireside Coats, and Garments for Beach Wear Consisting of Shorts, Covering Coats, and Waists Made of Cotton, Linen, and Synthetic Fabric.
Claims use since December, 1934.

Ser. No. 386,036. THE LA SALLE HAT COMPANY, Philadelphia, Pa. Filed Nov. 27, 1936.

The HEATHER SCOT

The word "Heather" is disclaimed except as shown.
For Men's and Boys' Hats and Caps and Ladies' Hats.
Claims use since Oct. 15, 1936.

Ser. No. 386,141. ABERCROMBIE & FITCH COMPANY, New York, N. Y. Filed Dec. 1, 1936.

A&F

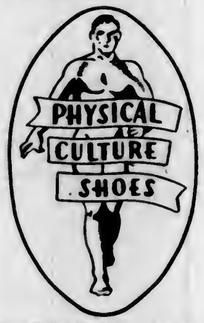
For Men's and Women's Suits, Coats, Vests, Trousers, Outer Skirts, Blouses, Jackets, Overcoats, Ponchos, Capes, Toques, Storm Coats, Trench Coats, Slickers, Dress, Negligee and Sport Shirts, Undershirts, Drawers, Hosiery, Sweaters, Gloves and Mittens of Leather and of Fabric, Bathrobes, Bathing Suits, Leather Boots, Shoes and Slippers, Moccasins, Skating Boots, Waders, Overshoes, Rubbers, Rubber Boots, Hats and Caps, Mufflers, Garters, Pajamas, Belts for Outer Wear, Riding Habits and Stocks, Hunting Coats, Shell Vests, Scarves, and Negligees.
Claims use since January, 1904.

Ser. No. 386,436. JUSTIN MCCARTY, INC., Dallas, Tex. Filed Dec. 7, 1936.



The notations "Man Tailored", "Hollywood Creations", and "Wrinkle, Dust and Moisture Proofed" are disclaimed apart from the mark.
For Women's, Misses', and Children's Coats.
Claims use since June, 1936.

Ser. No. 386,738. ORTHOPEDIC SHOES, INC., Portsmouth, Ohio. Filed Dec. 14, 1936.



The word "Shoes" is disclaimed apart from the mark. The picture is fanciful. Applicant is owner of T. M. Reg. No. 97,334 (renewed) for the mark "Physical Culture", effected under the 10-year proviso.
For Shoes of Leather and Fabric, and a Combination of These Materials.
Claims use since Aug. 28, 1936.

Ser. No. 386,857. GLOBE KNITTING WORKS, Grand Rapids, Mich. Filed Dec. 17, 1936.

RIBLETS

For Women's, Men's, and Children's Knit Underwear.
Claims use since Nov. 12, 1936.

Ser. No. 387,448. MARION R. GRAY, doing business as Marion R. Gray Company, Los Angeles, Calif. Filed Jan. 4, 1937.

Grayco

For Dress, Negligee, Sport, and Work Shirts, Neckties or Cravats, Collars, Scarfs, Mufflers, Hosiery, Handkerchiefs, Garters, Belts for Personal Wear, Suspenders, Bathrobes and Lounging Robes, Pajamas, Night Shirts, Underwear, Shorts, Union Suits, Bathing Suits, Swimming Suits, Swimming Trunks and Beach Shorts.
Claims use since January, 1906.

Ser. No. 387,473. NEW YORK HAT & CAP CO., New York, N. Y. Filed Jan. 5, 1937.



The word "Royalton" except in the association with the heraldic design is disclaimed.
For Men's and Ladies' Hats and Caps.
Claims use since Sept. 18, 1935.

Ser. No. 387,486. THE ALLIGATOR COMPANY, St. Louis, Mo. Filed Jan. 6, 1937.

GALECLOTH
COACHER



BY ALLIGATOR

For Gabardine Topcoats for Men, Women, Boys, and Girls.
Claims use since Dec. 29, 1936.

Ser. No. 387,699. BROOKS BROTHERS, New York, N. Y. Filed Jan. 12, 1937.

Rugby.

For Men's Collars.
Claims use since Aug. 10, 1926.

Ser. No. 387,723. PAULA ZWINGENBERGER, doing business as Colony Dress Shop, New York, N. Y. Filed Jan. 12, 1937.

Colony Cape Cod Jr.

For Women's, Misses', and Children's Dresses.
Claims use since Nov. 20, 1936.

Ser. No. 387,799. LOU SCHNEIDER, INC., New York, N. Y. Filed Jan. 14, 1937.



The words "Sport Wear", "Exclusive", and "Lustre" are disclaimed apart from the mark.
For Ladies' Coats and Suits.
Claims use since Dec. 15, 1936.

Ser. No. 387,881. JOHN WANAMAKER NEW YORK, New York, N. Y. Filed Jan. 16, 1937.

REST RIGHT

For Infants' and Children's Sleeping Garments.
Claims use since July 8, 1936.

Ser. No. 387,995. FAITH MILLS, INC., Averill Park, N. Y. Filed Jan. 21, 1937.



The word "Underwear" is disclaimed apart from the mark.
For Knitted Undershirts, Drawers, Union Suits, and Sweaters and Jackets for Men and Boys.
Claims use since Dec. 29, 1936.

Ser. No. 388,014. ROY M. MCQUILLEN, doing business as Hobby Shoe Company, East Rochester, N. H. Filed Jan. 21, 1937.

HOBBY-MOCS

The word "Mocs" is disclaimed except as a part of the mark.
For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.
Claims use since Dec. 15, 1936.

Ser. No. 388,045. BEAVER SHIRT MANUFACTURING CO. INC., New York, N. Y. Filed Jan. 22, 1937.

JayPee

For Men's and Boys' Dress, Negligee, and Work Shirts, Men's and Boys' Pajamas.
Claims use since January, 1936.

Ser. No. 388,049. DAVEGA-CITY RADIO, INC., New York, N. Y. Filed Jan. 22, 1937.

SWIMFAST

For Bathing Suits.
Claims use since June 10, 1924.

Ser. No. 388,090. CROCETTA BROS. & CO., INC., Gloversville, N. Y. Filed Jan. 23, 1937.

CRO LAV

For Ladies', Men's, and Children's Leather Gloves.
Claims use since Feb. 4, 1935.

Ser. No. 388,137. JULIUS KAYSER & CO., New York, N. Y. Filed Jan. 25, 1937.

KAYLOOM

For Ladies' Underwear.
Claims use since Aug. 3, 1936.

Ser. No. 388,185. CROCETTA BROS. & CO., INC., Gloversville, N. Y. Filed Jan. 26, 1937.

CAIRO LAV

For Ladies', Men's, and Children's Leather Gloves.
Claims use since Feb. 4, 1935.

Ser. No. 388,201. MISS JUNIOR COATS, INC., New York, N. Y. Filed Jan. 26, 1937.

Avonshire

For Infants', Girls', and Misses' Coats, Suits, and Hats.
Claims use since Sept. 9, 1935.

Ser. No. 388,206. RUTH L. REEVES, doing business as The Wil-Fit Company, Union City, N. J. Filed Jan. 26, 1937.

THE Walkuere

For Bathing Suits, Men's Underwear, Ladies' Underwear, Brassières, Girdles, Panties, and Foundation Garments.
Claims use since Jan. 14, 1937.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 387,063. THE B. FRANKEL CO., INC., New York, N. Y. Filed Dec. 23, 1936.

Betty Jane

For Non-Electrical Hair Waversrs.
Claims use since Nov. 1, 1936.

Ser. No. 388,019. NEW YORK MERCHANDISE CO., INC., New York, N. Y. Filed Jan. 21, 1937.

Corona

For Combs.
Claims use since Jan. 8, 1937.

Ser. No. 388,020. NEW YORK MERCHANDISE CO., INC., New York, N. Y. Filed Jan. 21, 1937.

Coronation

For Combs.
Claims use since Jan. 8, 1937.

Ser. No. 388,021. NEW YORK MERCHANDISE CO., INC., New York, N. Y. Filed Jan. 21, 1937.

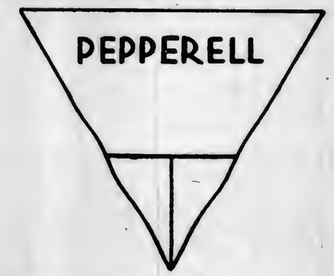
NOBILITY

For Combs.
Claims use since Dec. 15, 1936.

CLASS 42

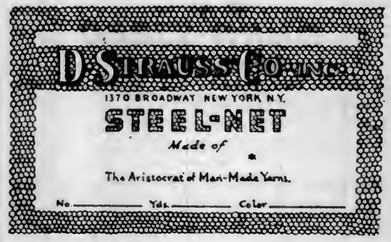
Knitted, Netted, and Textile Fabrics

Ser. No. 369,661. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Sept. 24, 1935.



For Sheets and Pillow Cases.
Claims use since Sept. 4, 1935.

Ser. No. 381,855. D. STRAUSS CO. INC., New York, N. Y. Filed Aug. 5, 1936.



Applicant disclaims all notations except "Steel", "D. Strauss Co. Inc.", and "Aristocrat".
For Net Fabrics in the Piece.
Claims use since Mar. 1, 1936.

Ser. No. 384,729. COLORBRITE TEXTILES, INC., New York, N. Y. Filed Oct. 23, 1936.



The words "Bath Mats" and "Chenilles" and the representation of the bath mat are disclaimed apart from the mark.
For Cotton Bath Mats and Toilet-Seat Cotton Lid-Covers.
Claims use since Aug. 21, 1936.

Ser. No. 385,915. TOBLER, ERNST & TRABER, INC., New York, N. Y. Filed Nov. 23, 1936.

KLEARPRINT

For Silk Cloth, Taffeta Weave, in the Piece.
Claims use since Nov. 16, 1936.

Ser. No. 387,174. COHN-HALL-MARX CO., New York, N. Y. Filed Dec. 28, 1936.

GLEN SPUN

The word "Spun" is disclaimed.
For Cotton, Rayon, Acetate, and Silk Piece Goods.
Claims use since Dec. 4, 1936.

Ser. No. 387,246. KABUSHIKI-KAISHA ITAMI SEIJUSHO, Itami, Itami-cho, Kawabe-gun, prefecture of Hyogo, Japan. Filed Dec. 29, 1936.

"PHOENIX"

For Woollen Textile Fabrics in the Piece.
Claims use since April, 1923.

Ser. No. 387,265. BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn. Filed Dec. 30, 1936.

Fiburtex
RUG
DURA-TIZED
FOR WEAR

The words "Rug" and "For Wear" are disclaimed apart from the mark as shown.
For Woven Textile Rugs and Carpets.
Claims use since Nov. 30, 1936.

Ser. No. 387,317. THE FIRTH CARPET CO., New York, N. Y. Filed Dec. 31, 1936.

the "Perfect Natural"
FROM NATURE'S OWN PALLETTE!
CREATED OF UNDYED NATURE TONED WOOLS plus FIRTH'S "ACCENT COLOR"

No claim is made to the wording apart from the mark shown except to the words "From Nature's Own Pallette." The drawing is lined for red.
For Carpets and Rugs.
Claims use since Dec. 19, 1936.

Ser. No. 387,318. THE FIRTH CARPET CO., New York, N. Y. Filed Dec. 31, 1936.

TEXSTYLE
-FRIEZE-

The word "Frieze" is disclaimed apart from the mark.
For Carpets and Rugs.
Claims use since July 1, 1936.

Ser. No. 387,858. BURTON BROTHERS & CO. INC., New York, N. Y. Filed Jan. 16, 1937.

BURTON'S
EXPLORERS
CLOTH

The word "Cloth" is disclaimed apart from the mark.
For Cotton Piece Goods.
Claims use since January, 1936.

Ser. No. 387,859. BURTON BROTHERS & CO. INC., New York, N. Y. Filed Jan. 16, 1937.

BURTON'S
SKI-TRAIL
FABRIC

The word "Fabric" is disclaimed apart from the mark.
For Cotton Piece Goods.
Claims use since November, 1935.

CLASS 43

Thread and Yarn

Ser. No. 373,478. AMERICAN BEMBERG CORPORATION, New York, N. Y. Filed Jan. 9, 1936.

Bel-Bemberg

For Thread and Yarn of Artificial Origin.
Claims use since Nov. 14, 1935.

Ser. No. 387,714. A. & H. SHILLMAN COMPANY, INC., Baltimore, Md. Filed Jan. 12, 1937.

Feather-Ring

For Yarns and Threads for Needle Work.
Claims use since Dec. 11, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 382,378. DAVIS & GECK, INC., Brooklyn, N. Y. Filed Aug. 20, 1936.

Hypo-point Atraumatic

The word "Point" is disclaimed apart from the mark.
For Surgical Needles.
Claims use since Feb. 15, 1936.

Ser. No. 387,247. THE KITCHEN KATCH-ALL CORPORATION, Greenwich, Ohio. Filed Dec. 29, 1936.

NATURAL
NURSER

The word "Nurser" is disclaimed apart from the mark.
For Nursing Bottles.
Claims use since June, 1936.

Ser. No. 387,395. RAYMOND'S, INC., Boston, Mass. Filed Jan. 2, 1937.

STRONG'S
SURGICAL BELT
SIZE FIG.

No claim is made to the words "Surgical Belt" or "Size" or to the abbreviation "Fig." apart from the mark as shown, or to the outline of a label per se.
For Surgical Belts.
Claims use since June 1, 1936.

Ser. No. 387,537. RAY M. BALYEAT, doing business as Ashby Chemical Company, Oklahoma City, Okla. Filed Jan. 7, 1937.

Asthmair

For Atomizers, Vaporizers, and Nebulizers.
Claims use since Dec. 30, 1936.

Ser. No. 387,568. TISSUE BRANDS INC., Brooklyn, N. Y. Filed Jan. 7, 1937.

Annette

For Sanitary Napkins.
Claims use since Sept. 1, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 382,436. MIL-HONE PRODUCTS CO., New York, N. Y. Filed Aug. 21, 1936.

BROADWAY

For Fruit Juices and Flavoring Extracts.
Claims use since April, 1936.

Ser. No. 385,056. NORTHWEST, INC., Portland, Oreg. Filed Nov. 2, 1936.

Phez

For Nonalcoholic Beverages Sold as Soft Drinks.
Claims use since Feb. 1, 1916.

Ser. No. 387,404. LOTTIE SKRABSKY, doing business as Cohasset Club Beverage Co., Youngstown, Ohio. Filed Jan. 2, 1937.

Mint-Ett Kola

The words "Mint" and "Kola" are disclaimed apart from the mark shown.
For Nonalcoholic, Carbonated Beverages.
Claims use since June 10, 1936.

Ser. No. 387,463. ALLAN F. FODERINGHAM, doing business as La Fodham's Product Co., Brooklyn, N. Y. Filed Jan. 5, 1937.

GINGER PEP

The word "Ginger" is disclaimed apart from the mark as shown.
For Nonalcoholic Beverage.
Claims use since March, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 351,384. NILE PRODUCE EXPORT CO., Alexandria, Egypt. Filed May 17, 1934.

NILE PRODUCE EXPORT CO
PELICAN

For Canned Tomatoes, Canned Peas, Canned Pickles, Canned Sardines, Canned Prawns, and Canned Tomato Sauce.
Claims use since May, 1933.

Ser. No. 379,260. RAMONA TURKEY GROWERS' ASSOCIATION, Ramona, Calif. Filed June 3, 1936.

RAMONA
TURKEY GROWERS ASSOCIATION
MOUNTAIN BRAND

For Turkey Poults and Dressed Turkeys.
Claims use since Nov. 4, 1933.

Ser. No. 382,544. CANINE CATERING CO. OF AMERICA, INC., Upper Darby, Pa. Filed Aug. 21, 1936.

A SQUARE MEAL

The word "Meal" is disclaimed apart from the mark as shown.

For Canned Food for Carnivorous Animals.

Claims use since June 2, 1936.

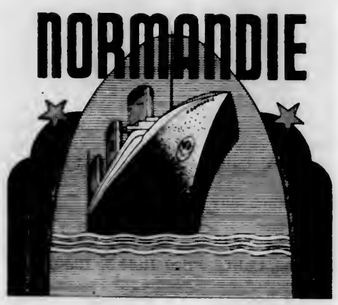
Ser. No. 383,679. FRIGORIFICO NACIONAL OF MONTEVIDEO, Montevideo, Uruguay. Filed Sept. 26, 1936.

FRIGONAL

For Canned Meats—Namely, Corned Beef, Brisket-Beef, Beef Tongues, Calf Tongues, Sheep Tongues, Ox-Tails, Salted Beef Tongues, Smoked Beef Tongues, Salted Calf Tongues, and Other Cuts of Beef; Canned Poultry Cuts and Pickled Partridges; Edible Greases and Oils—Namely, Edible Fats, Edible Beef Greases (Tallow), Edible Hog Greases (Lard); also Canned Pastes of Ham, Poultry, Tongue, Meat, Liver, Stewed Tripe, and Tomato Pulp, and also Canned Cooked, and Raw Tomatoes; and Smoked Hams, Raw Hams, Cooked Hams, Sweet Hams (with or without Bones), Smoked Bacon, Smoked Hog Sausage, Mixture of Hog Meat.

Claims use since Feb. 23, 1935.

Ser. No. 384,904. NORMANDIE POTATO CORPORATION, Milwaukee, Wis. Filed Oct. 28, 1936.



The drawing is lined for red and blue. The word "Normandie" is disclaimed apart from the mark as shown.

For Vacuum Packed Canned French Fried Potatoes.

Claims use since Aug. 12, 1936.

Ser. No. 385,061. LOUISE PFUHL AND KARL H. PFUHL, Rochelle Park, N. J. Filed Nov. 2, 1936.



For Cookies.

Claims use since November, 1929.

Ser. No. 385,139. EAST TENNESSEE PACKING COMPANY, Knoxville, Tenn. Filed Nov. 4, 1936.

Le Conte

Applicant is the owner of trade-mark registration No. 292,011, registered Mar. 1, 1932.

For Smoked Cured Hams, Breakfast Bacon, Bologna, Picnics, Bacon Squares, Beef, Butter, Cheese, Lard Substitute, and Eggs.

Claims use since November, 1928, on butter, cheese, and lard substitute, and since Aug. 9, 1932, on smoked cured hams, breakfast bacon, bologna, picnics, bacon squares, beef, and eggs.

Ser. No. 385,478. C. A. GLASS CO. INC. DATE DIVISION, Los Angeles, Calif. Filed Nov. 13, 1936.



The word "Fresh" is disclaimed apart from the mark.

For Fresh Dates.

Claims use since Oct. 26, 1936.

Ser. No. 385,590. GROVER N. LESAGE, Coffeyville, Kans. Filed Nov. 16, 1936.



The drawing is lined for red and blue. All words are disclaimed apart from the mark shown.

For Bakery Goods—Namely, Bread.

Claims use since Oct. 12, 1936.

Ser. No. 385,635. MOUNT OLIVE PICKLE CO., INC., doing business as Wayne Packing Co., Mount Olive, N. C. Filed Nov. 17, 1936.

WAY PACK

The word "Pack" is disclaimed apart from the mark.

For Pickles and Sweet Pickle Relishes.

Claims use since Oct. 26, 1931.

Ser. No. 385,914. TEXAS FISHERIES, Galveston, Tex. Filed Nov. 23, 1936.



"Texas Fresh Frozen Shrimp" and the representation of shrimp are disclaimed apart from the mark. The drawing is lined for blue and orange.

For Frozen Shrimp.

Claims use since Apr. 9, 1936.

Ser. No. 386,490. HILLSBORO-QUEEN ANNE COOPERATIVE CORPORATION, Baltimore, Md. Filed Dec. 8, 1936.

CAPE HENLOPEN

For Canned Vegetables.

Claims use since July 5, 1934.

Ser. No. 386,728. FOOD PRODUCTS CO. OF AMERICA, Chicago, Ill. Filed Dec. 14, 1936.

SPEEDEE

For Dried Beans and Baking Powder.

Claims use since April, 1936, on beans; since October, 1936, on baking powder.

Ser. No. 386,848. CITRUS PRODUCTS INC., Los Angeles, Calif. Filed Dec. 17, 1936.

Plus

For Canned Citrus Juices for Food Purposes.

Claims use since Sept. 11, 1936.

Ser. No. 386,909. ROANOKE CITY MILLS, INC., Roanoke, Va. Filed Dec. 18, 1936.



For Wheat Flour, Particularly Adapted for Cake and Pastry Making.

Claims use since Dec. 1, 1936.

Ser. No. 387,222. SQUIRE DINGEE COMPANY, Chicago, Ill. Filed Dec. 28, 1936.

Ma Brown

The word "Brown" is disclaimed apart from the mark. Applicant is the owner of the following trade-mark registrations and the trade-marks covered thereby: No. 210,183, Mar. 9, 1926; No. 212,450, May 4, 1926; No. 216,720, Aug. 17, 1926; No. 247,104, Sept. 18, 1928; and No. 289,843, Dec. 8, 1931.

For Pie Mix, Consisting of Pie Filler Mix and Pie Crust Mix.

Claims use since Nov. 5, 1936.

Ser. No. 387,242. FAIRFAX FARMS DAIRY, INC., Washington, D. C. Filed Dec. 29, 1936.



The name "Fairfax Farms Dairy" and the notation "Egg-Nog" are disclaimed apart from the mark.

For Especially Prepared, Ready-to-Use Egg Nog Mix.

Claims use since Dec. 1, 1936.

Ser. No. 387,725. AMERICAN BAKERIES CO., Atlanta, Ga. Filed Jan. 13, 1937.

Debs

For Butter Crackers.
Claims use since Sept. 18, 1936.

Ser. No. 387,934. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Jan. 19, 1937.



The words "Chicle" and "Menta" are disclaimed apart from the mark. The drawing is lined for red and yellow.
For Chewing Gum.
Claims use since Jan. 11, 1937.

Ser. No. 388,063. LAMPASI FRUIT COMPANY, Los Angeles, Calif. Filed Jan. 22, 1937.

Jack Pot

For Fresh Citrus Fruits and Fresh Vegetables.
Claims use since Nov. 30, 1936.

Ser. No. 388,073. SHIELD FOODS, INC., Buffalo, N. Y. Filed Jan. 22, 1937.

CLEAR RAPIDS

For Canned Salmon.
Claims use since Jan. 7, 1937.

Ser. No. 388,099. JOE LOWE CORPORATION, New York, N. Y. Filed Jan. 23, 1937.

KOVERITE

For Chocolate Flavor Coatings.
Claims use since Dec. 14, 1936.

CLASS 47

Wines

Ser. No. 383,124. COMEX TRADING COMPANY INCORPORATED, New York, N. Y. Filed Sept. 11, 1936.

RIO ROYAL

For Wines.
Claims use since Oct. 10, 1935.

CLASS 48

Malt Beverages and Liquors

Ser. No. 383,176. NARRAGANSETT BREWING COMPANY, Cranston, R. I. Filed Sept. 12, 1936.



The word "Merit" is disclaimed apart from the association shown.
For Malt Beverages with Not More Than the Legal Alcoholic Content.
Claims use since Dec. 1, 1935.

Ser. No. 387,824. FRANK FEHR BREWING CO., INCORPORATED, Louisville, Ky. Filed Jan. 15, 1937.

"It's Always Fehr Weather"

For Ale.
Claims use since June 22, 1936.

Ser. No. 387,834. THE NORTH POLE BREWING COMPANY, Fairmont, W. Va. Filed Jan. 15, 1937.

Hi-Top

For Beer and Ale.
Claims use since Oct. 15, 1936.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 378,696. W. KOERNER & Co., Cunnersdorf, Germany. Filed May 21, 1936.



Applicant is the owner of registrations Nos. 75,964 and 323,320, effected under the 10-year proviso. The portrait is of Chr. Gottl. Koerner, inventor of the genuine Stonsdorfer. No claim is made to the words "Schutz Marke", "32% Deutsches Erzengnis 32%", "Bitter", "weltberuhmter Gebirgskrauterlikor", "Hirschberg-Cunnersdorf i/Rsgb.", "gesetzlich geschutzt", and "Unser Rezept beruht auf einem streng gewahrten Familiengeheimnis", apart from the mark shown.
For Alcoholic Bitters.
Claims use since Sept. 13, 1935.

Ser. No. 384,686. E. O. JACKSON DISTILLING CO., Chicago, Ill. Filed Oct. 19, 1936.

HOUSE of STUART

For Whiskey, Gin, and Cordials.
Claims use since December, 1935.

Ser. No. 384,785. J. H. CERECEDO, doing business as J. H. Cerecedo Co., Chicago, Ill. Filed Oct. 26, 1936.

EL DORADO



For Rum.
Claims use since Oct. 1, 1936.

Ser. No. 385,816. DUNCAN WESTON & SON LIMITED, London, England. Filed Nov. 20, 1936.



The words "Weston's", "This Whisky is 12 Years Old", "Product of Scotland", "Grand Liqueur Blended Scotch Whisky", "Blended and Bottled By", "Glasgow, Scotland", are disclaimed apart from the mark.
For Whisky.
Claims use since 1928.

Ser. No. 387,501. C. H. GRAVES AND SONS COMPANY, Boston, Mass. Filed Jan. 6, 1937.



For Whiskey.
Claims use since Feb. 1, 1935.

Ser. No. 387,744. WILLIAM GRANT & SONS LIMITED, Dufftown, Scotland. Filed Jan. 13, 1937. Under ten-year proviso.

GRANT'S

For Blended Scotch Whisky (In Bottles Only).
Claims use since 1887.

Ser. No. 388,161. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Jan. 25, 1937.

MOUNT CLEMENS

For Whiskey.
Claims use since Nov. 11, 1936.

Ser. No. 388,162. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Jan. 25, 1937.

MOUNT AUBURN

For Whiskey.
Claims use since Nov. 11, 1936.

Ser. No. 388,163. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Jan. 25, 1937.

MOUNT FOREST

For Whiskey.
Claims use since Nov. 11, 1936.

Ser. No. 388,164. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Jan. 25, 1937.

CARIBOU

For Whiskey.
Claims use since Nov. 11, 1936.

Ser. No. 388,165. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Jan. 25, 1937.

MANSFIELD HALL

For Whiskey.
Claims use since Nov. 11, 1936.

Ser. No. 388,166. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Jan. 25, 1937.

VILLAGE QUEEN

For Whiskey.
Claims use since Dec. 22, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 385,754. JOHN W. SHAFFER & COMPANY, Minneapolis, Minn. Filed Nov. 19, 1936.

ROAD-BUG

For Traffic Button.
Claims use since Oct. 10, 1936.

Ser. No. 386,142. ABERCROMBIE & FITCH COMPANY, New York, N. Y. Filed Dec. 1, 1936.

A&F Co

For Rubber Blankets, Statues, Statuettes, Wall Plaques, Animal Traps, Ornamented Carved Wooden Figures, and Miniature Carriage Models.
Claims use since January, 1925.

Ser. No. 386,539. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 9, 1936.

GOODYEAR

For Transparent, Colored or Uncolored, Slightly Extensible Film, Sheet or Strip, Composed Entirely or Largely of a Rubber Derivative for Wrapping, Packaging, and Covering.
Claims use since June 28, 1934.

Ser. No. 387,373. CARVIN BOTTLE CAP CORPORATION, Brooklyn, N. Y. Filed Jan. 2, 1937.

SHURTITE

The name "Shurtite" is disclaimed apart from the mark shown.

For Caps, Crowns, Covers for Containers and Closure Structures for Openings in Metallic, Glass, and Non-Metallic Containers and Parts Thereof.
Claims use since November, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 16, 1937

344,112. LIQUID POLISH FOR FINISHING AND COATING FLOORS AND OTHER SURFACES OF WOOD, LINOLEUM, RUBBER, CORK, TILE, ASPHALT, ETC. S. C. JOHNSON & SON, INC., Racine, Wis.
Filed May 7, 1932. Serial No. 326,862. PUBLISHED NOVEMBER 20, 1934. Class 16.

344,113. PIECE GOODS OF COTTON, RAYON, AND WOOL, AND MIXTURES THEREOF. L. BACHMANN & Co., INC., New York, N. Y.
Filed October 25, 1934. Serial No. 357,486. PUBLISHED JULY 7, 1936. Class 42.

344,114. WHISKY. H. MCKENNA, INCORPORATED, Fairfield, Ky.
Filed December 31, 1934. Serial No. 359,806. PUBLISHED JULY 23, 1935. Class 49.

344,115. AUTOMOBILE POLISH. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed May 25, 1935. Serial No. 365,398. PUBLISHED JANUARY 5, 1937. Class 16.

344,116. GIN. CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y., assignor to Canada Dry Ginger Ale, Incorporated, a corporation of Delaware.
Filed June 3, 1935. Serial No. 365,723. PUBLISHED SEPTEMBER 15, 1936. Class 49.

344,117. CANNED BEEF, CANNED CHICKEN, CANNED FISH, CANNED FRUIT, CANNED BONITO, CANNED EDIBLE SEAWEEDS, CANNED FISH BOILED WITH SOY, CANNED SEA-URCHINS, AND CANNED EAR-SHELL. GOMEI KAISHA DOMOTO SHOKAI, Minami-ku, Osaka, Japan.
Filed August 10, 1935. Serial No. 368,176. PUBLISHED DECEMBER 29, 1936. Class 46.

344,118. SPUN METAL COFFEE PERCOLATOR COVERS. KLEMENTINE SALOW, doing business as Milwaukee Metal Spinning Co., Milwaukee, Wis.
Filed November 1, 1935. Serial No. 371,080. PUBLISHED JANUARY 5, 1937. Class 13.

344,119. COMPOUND FOR SPACHTLING. ATLANTIC CALSOMINE CO., INC., Brooklyn, N. Y.
Filed November 4, 1935. Serial No. 371,131. PUBLISHED JANUARY 5, 1937. Class 12.

344,120. MEDICINAL PREPARATION FOR ECZEMA, RINGWORM, TETTER, ATHLETES FOOT, AND PIMPLY FACE. FRANK KIRKLAND, doing business as Kirkland Drug Co., Arcadia, La.
Filed November 6, 1935. Serial No. 371,267. PUBLISHED JANUARY 5, 1937. Class 6.

344,121. STAPLING MACHINES OF THE FOOT-POWER TYPE. ACE FASTENER CORPORATION, Chicago, Ill.
Filed November 7, 1935. Serial No. 371,290. PUBLISHED JANUARY 5, 1937. Class 23.

344,122. PASTE-LIKE PREPARATION FOR SHAVING. THE BARBASOL COMPANY, Indianapolis, Ind.
Filed November 16, 1935. Serial No. 371,620. PUBLISHED JANUARY 14, 1936. Class 4.

344,123. PHOTOGRAPHIC PRINT PAPER. DEFENDER PHOTO SUPPLY COMPANY, INC., Rochester, N. Y.
Filed November 21, 1935. Serial No. 371,808. PUBLISHED JANUARY 5, 1937. Class 26.

344,124. GIN. THE FLEISCHMANN DISTILLING CORPORATION, New York, N. Y.
Filed December 20, 1935. Serial No. 372,872. PUBLISHED MARCH 3, 1936. Class 49.

344,125. WHISKEY. JUDGE & DOLPH, LTD., Chicago, Ill.
Filed December 24, 1935. Serial No. 373,045. PUBLISHED SEPTEMBER 8, 1936. Class 49.

344,126. CHEMICAL PRODUCTS—NAMELY, INSECTICIDES, INSECT AND RODENT EXTERMINATORS, INSECT REPELLENTS, FLY KILLER PREPARATION, ETC. MIDWAY CHEMICAL CO., Chicago, Ill.
Filed January 20, 1936. Serial No. 373,883. PUBLISHED JANUARY 5, 1937. Class 6.

344,127. WHISKEY, BLENDED WHISKEY, RUM, GIN, BRANDY, COGNAC, AND ALCOHOLIC CORDIALS. MARYLAND-PIKESVILLE DISTILLERY, INC., Baltimore, Md.
Filed January 21, 1936. Serial No. 373,927. PUBLISHED MARCH 3, 1936. Class 49.

344,128. MATRIX SETTING AND LINE CASTING MACHINES AND PARTS OR ACCESSORIES THEREFOR—NAMELY, BRACKETS FOR SPACER SHAFTS, SPACER RINGS, ETC. TYPOGRAPH GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany.
Filed January 21, 1936. Serial No. 373,937. PUBLISHED JANUARY 5, 1937. Class 23.

344,129. VARIOUS PAPER, FIBER, CELLULOSE, FABRIC, METAL, AND COMBINATION GLASS AND METAL LAMP SHADES. IDEAL LAMP & SHADE CO. INC., New York, N. Y.
Filed January 22, 1936. Serial No. 373,957. PUBLISHED APRIL 21, 1936. Class 34.

344,130. WHISKEY. JOSEPH A. BERSON, doing business as Springdale Distilling Company, Stamford, Conn.
Filed January 24, 1936. Serial No. 374,039. PUBLISHED MARCH 10, 1936. Class 49.

344,131. ELECTRICAL TRANSFORMERS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed January 31, 1936. Serial No. 374,325. PUBLISHED JANUARY 5, 1937. Class 21.

344,132. CAULKING COMPOUND. THE BATTENFELD GREASE & OIL CORP., Kansas City, Mo.
Filed February 15, 1936. Serial No. 374,957. PUBLISHED AUGUST 18, 1936. Class 12.

344,133. LADIES' SLIPS. ENTERPRISE & CENTURY UNDERGARMENT CO. INC., New York, N. Y.
Filed March 6, 1936. Serial No. 375,637. PUBLISHED JANUARY 5, 1937. Class 39.

344,134. SCREW DRIVERS, PUTTY KNIVES, SCRAPING KNIVES, AND HAND DRILLS. THE FORSBERG MANUFACTURING CO., Bridgeport, Conn.
Filed March 18, 1936. Serial No. 376,122. PUBLISHED JANUARY 5, 1937. Class 23.

344,135. LADIES' BLOUSES, DRESSES, COATS, AND SUITS MADE OF COTTON, WOOL, AND SILK, EITHER IN COMBINATIONS OR SINGLY. IRVING KOTZEN INC., New York, N. Y.
Filed March 26, 1936. Serial No. 376,434. PUBLISHED JANUARY 5, 1937. Class 39.

344,136. THERMOMETER TO BE USED AS A DRESS ORNAMENT. CALVAIRE INCORPORATED, New York, N. Y.
Filed March 31, 1936. Serial No. 376,626. PUBLISHED JANUARY 5, 1937. Class 26.

344,137. SHAVING CREAM. KAROL PREPARATIONS, INC., New York, N. Y.
Filed April 4, 1936. Serial No. 376,806. PUBLISHED JUNE 30, 1936. Class 4.

344,138. VACUUM CLEANERS. THE SWEEPER-VAC COMPANY, Worcester, Mass.
Filed April 9, 1936. Serial No. 377,033. PUBLISHED JUNE 2, 1936. Class 23.

344,139. WRIST WATCHES, POCKET WATCHES, LAPEL WATCHES, FOB WATCHES. LOUIS WATCH CO. INC., New York, N. Y.
Filed April 10, 1936. Serial No. 377,055. PUBLISHED JANUARY 5, 1937. Class 27.

344,140. MONTHLY PUBLICATION. EVE PUBLISHING CORPORATION, New York, N. Y.
Filed April 15, 1936. Serial No. 377,215. PUBLISHED JANUARY 5, 1937. Class 38.

344,141. HYDRAULIC PUMPS, VALVES, AND HYDRAULIC OPERATED MECHANISMS AND FITTINGS ADAPTED AS ACCESSORIES FOR MORE COMPREHENSIVE MACHINES SUCH AS TRACTOR HOISTS HYDRAULICALLY OPERATED, LIFTING, AND PULLING JACKS, TRACTOR IMPLEMENT OPERATING MACHINERY AND THE LIKE. HYDRAULIC EQUIPMENT COMPANY, Cleveland, Ohio.
Filed April 20, 1936. Serial No. 377,393. PUBLISHED JANUARY 5, 1937. Class 23.

344,142. OIL DRESSINGS, CLEANERS, AND POLISHES FOR LEATHER, FABRIC, AND SIMILAR MATERIALS. PETER DAVID, doing business as Peter David Leather Dressing Co., Seattle, Wash.
Filed April 27, 1936. Serial No. 377,672. PUBLISHED DECEMBER 29, 1936. Class 4.

344,143. GASOLINE, LUBRICATING OILS, AND LUBRICATING GREASES. UNITED REFINING COMPANY, Warren, Pa.
Filed April 29, 1936. Serial No. 377,811. PUBLISHED DECEMBER 29, 1936. Class 15.

344,144. COMPOSITION USED IN SPRAYING PLANTS, FRUITS, AND VEGETABLES—NAMELY, AN INSECTICIDE COMPOSED OF BOTANICAL DRUGS, THE ACTIVE INGREDIENTS OF WHICH ARE ROTENONE AND DERRIS EXTRACTIVES. HELEN A. CALDWELL, doing business as Caldwell Chemical Co., Seattle, Wash.
Filed May 1, 1936. Serial No. 377,872. PUBLISHED JANUARY 5, 1937. Class 6.

344,145. GOLF GAME AND PRACTICING APPARATUS THEREFOR WHICH MAY BE USED INDOORS, ON A PRACTICE GREEN OUTDOORS, OR ON ONE OR MORE GREENS OF A REGULAR FULL SIZED GOLF COURSE, ETC. CHARLES G. DUCANNE, Washington, D. C.
Filed May 8, 1936. Serial No. 378,187. PUBLISHED JANUARY 5, 1937. Class 22.

344,146. TYPE CLEANER AND A PREPARATION FOR REMOVING INK FROM THE HANDS, SUCH AS STAMP PAD INK AND THE LIKE. CORNELL-DAVIS LABORATORIES, Detroit, Mich.
Filed May 11, 1936. Serial No. 378,289. PUBLISHED DECEMBER 29, 1936. Class 4.

344,147. SILK, WOOLEN, AND COTTON PIECE GOODS AND COMBINATIONS THEREOF. RICH'S, INC., Atlanta, Ga.
Filed May 12, 1936. Serial No. 378,373. PUBLISHED JANUARY 5, 1937. Class 42.

344,148. EGGS, BUTTER, AND POULTRY AND STOCK FEEDS, PARTICULARLY LAYING MASH, CHICK STARTING FOOD, DAIRY FEED, AND HOG FEED. F. M. STAMPER COMPANY, Moberly, Mo.
Filed May 16, 1936. Serial No. 378,530. PUBLISHED JANUARY 5, 1937. Class 46.

344,149. LUBRICATING OILS AND LUBRICATING GREASES. SUN OIL COMPANY, Philadelphia, Pa.
Filed May 16, 1936. Serial No. 378,531. PUBLISHED DECEMBER 29, 1936. Class 15.

344,150. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR. AUGUSTA KNITTING CORPORATION, Utica, N. Y.
Filed May 19, 1936. Serial No. 378,607. PUBLISHED JANUARY 5, 1937. Class 39.

344,151. COLLAPSIBLE METAL CONTAINERS. THE SUN TUBE CORPORATION, Hillside, N. J.
Filed May 22, 1936. Serial No. 378,764. PUBLISHED JANUARY 5, 1937. Class 2.

344,152. MOTION PICTURE PROJECTION APPARATUS AND/OR SOUND REPRODUCING APPARATUS EMPLOYING SOUND FILMS, SENSITIVE PHOTOGRAPHIC FILMS, MOTION PICTURE FILMS, ETC. KALLE & CO. AKTIENGESELLSCHAFT, Wiesbaden-Biebrich, Germany.
Filed May 28, 1936. Serial No. 378,999. PUBLISHED JANUARY 5, 1937. Class 26.

344,153. SANDWICHES. WIMPY GRILLS, INC., Chicago, Ill.
Filed June 4, 1936. Serial No. 379,326. PUBLISHED JANUARY 5, 1937. Class 46.

344,154. CANNED PINEAPPLE AND PINEAPPLE JUICE USED FOR FOOD PURPOSES. ALEXANDER & BALDWIN, LTD., Honolulu, Territory of Hawaii, San Francisco, Calif., Seattle, Wash., and Portland, Oreg.
Filed June 5, 1936. Serial No. 379,335. PUBLISHED JANUARY 5, 1937. Class 46.

344,155. ELECTRICAL VARIABLE RESISTORS AND FIXED RESISTORS, RADIO RECEIVING SETS, ELECTRICAL INDUCTANCES, SYNCHRONOUS AND INDUCTION ELECTRIC MOTORS, ELECTRIC FANS, ELECTRIC DRINK MIXERS, ELECTRIC FOOD MIXERS, ELECTRIC SIGN EQUIPMENT AND SIGN FLASHERS, ELECTRIC ROASTERS, ELECTRIC COOKERS. NAXON UTILITIES CORPORATION, Chicago, Ill.
Filed June 12, 1936. Serial No. 379,624. PUBLISHED JANUARY 5, 1937. Class 21.

344,156. FLOUR, PARTICULARLY WHEAT FLOUR, SELF RISING FLOUR, AND WHEAT FLOUR WITH PHOSPHATE ADDED. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn.
Filed June 19, 1936. Serial No. 379,934. PUBLISHED JANUARY 5, 1937. Class 46.

344,157. FLOUR, PARTICULARLY WHEAT FLOUR, SELF RISING FLOUR, AND WHEAT FLOUR WITH PHOSPHATE ADDED. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn.
Filed June 19, 1936. Serial No. 379,935. PUBLISHED JANUARY 5, 1937. Class 46.

344,158. MAGAZINES. THE AMERICAN DANCER PUBLISHING CO., LTD., New York, N. Y.
Filed June 22, 1936. Serial No. 380,029. PUBLISHED DECEMBER 29, 1936. Class 38.

344,159. COFFEE. LA TOURAINE COFFEE CO., Boston, Mass.
Filed June 26, 1936. Serial No. 380,176. PUBLISHED SEPTEMBER 22, 1936. Class 46.

344,160. LUBRICATING OILS AND GREASES. THE OHIO GREASE CO., Loudonville, Ohio.
Filed June 26, 1936. Serial No. 380,298. PUBLISHED SEPTEMBER 1, 1936. Class 15.

344,161. COASTING SLEDS. PRATT CORPORATION, Coldwater, Mich.
Filed July 9, 1936. Serial No. 380,843. PUBLISHED JANUARY 5, 1937. Class 22.

344,162. WHEAT FLOUR FOR MAKING BREAD. PACKARD MILLING COMPANY, Custer, Okla.
Filed July 22, 1936. Serial No. 381,321. PUBLISHED DECEMBER 29, 1936. Class 46.

344,163. CANNED FISH. COMPANIA DE PRODUCTOS MARINOS, S. A., Ensenada, Mexico.
Filed July 24, 1936. Serial No. 381,402. PUBLISHED JANUARY 5, 1937. Class 46.

344,164. COATING FOR GASKETS. VICTOR MANUFACTURING & GASKET CO., Chicago, Ill.
Filed July 29, 1936. Serial No. 381,592. PUBLISHED JANUARY 5, 1937. Class 35.

344,165. MAGAZINE. THE WASHINGTON GAZETTE CORPORATION, Washington, D. C.
Filed July 29, 1936. Serial No. 381,595. PUBLISHED DECEMBER 29, 1936. Class 38.

344,166. BLANKETS, COMFORTABLES, SHEETING, LINENS, TABLE CLOTHS, NAPKINS, MATTRESS PADS AND COVERS, AND CURTAINS. CAVENDISH TRADING CORPORATION, New York, N. Y.
Filed August 11, 1936. Serial No. 382,037. PUBLISHED JANUARY 5, 1937. Class 42.

344,167. CONDENSED BUTTERMILK EMULSION FOR ANIMAL AND POULTRY FEED. JAS. E. KEHOE INC., Chicago, Ill.
Filed August 17, 1936. Serial No. 382,271. PUBLISHED JANUARY 5, 1937. Class 46.

344,168. PERIODICAL PUBLICATION. WILL M. TRAER, Jacksonville, Fla.
Filed August 19, 1936. Serial No. 382,365. PUBLISHED JANUARY 5, 1937. Class 38.

344,169. CEREALS AND CEREAL PRODUCTS—NAMELY, ROLLED WHEAT (A BREAKFAST CEREAL), WHEAT FLAKES, WHOLE WHEAT CEREAL, PUFFED WHEAT, RICE, CORN, OATS, AND BARLEY. ARMENO CEREAL CO., Westboro, Mass.
Filed August 20, 1936. Serial No. 382,373. PUBLISHED DECEMBER 29, 1936. Class 46.

344,170. TOMATO JUICE. AMERICAN STORES COMPANY, Philadelphia, Pa.
Filed August 21, 1936. Serial No. 382,419. PUBLISHED JANUARY 5, 1937. Class 46.

344,171. SOAP. JOHN T. STANLEY CO. INC., New York, N. Y.
Filed August 25, 1936. Serial No. 382,576. PUBLISHED NOVEMBER 3, 1936. Class 4.

344,172. SANITARY HEADREST COVERS FOR DENTAL CHAIRS. IRVING ROTNER, doing business as Rentor Manufacturing Co., New York, N. Y.
Filed September 3, 1936. Serial No. 382,890. PUBLISHED JANUARY 5, 1937. Class 44.

344,173. FOODS FOR POULTRY AND LIVESTOCK. NEW ENGLAND RETAIL GRAIN DEALERS CO-OPERATIVE ASSOCIATION, Springfield, Mass.
Filed September 4, 1936. Serial No. 382,925. PUBLISHED JANUARY 5, 1937. Class 46.

344,174. (RECTIFIER) BATTERY CHARGER BULBS. TELE-RADIO CORPORATION, Newark, N. J.
Filed September 8, 1936. Serial No. 383,039. PUBLISHED JANUARY 5, 1937. Class 21.

344,175. POLISHING WHEELS. ADVANCE POLISHING WHEELS, INC., Chicago, Ill.
Filed September 9, 1936. Serial No. 383,046. PUBLISHED JANUARY 5, 1937. Class 4.

344,176. AIR CONDITIONERS, AIR CONDITIONING UNITS, AIR DISTRIBUTING AND VENTILATING REGISTERS, AND VEHICLE VENTILATING REGISTERS. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y.
Filed September [illegible] Serial No. 383,153. PUBLISHED JANUARY 5, 1937. Class 34.

344,177. PREPARED PAINT, VARNISH STAIN, PAINT ENAMEL, FLOOR AND PORCH ENAMEL, LINOLEUM VARNISH, AUTO ENAMEL, AND FENDER ENAMEL. CON-FERRO PAINT & VARNISH COMPANY, St. Louis, Mo.
Filed October 3, 1936. Serial No. 383,914. PUBLISHED JANUARY 5, 1937. Class 16.

344,178. SALES PROMOTION PUNCHBOARD. SUPERIOR PRODUCTS, INC., Chicago, Ill.
Filed October 5, 1936. Serial No. 384,017. PUBLISHED JANUARY 5, 1937. Class 22.

344,179. TYPEWRITER AND OTHER INKED RIBBONS. HENRY S. BLUMENTHAL, Jackson Heights, Long Island, N. Y.
Filed October 6, 1936. Serial No. 384,025. PUBLISHED JANUARY 5, 1937. Class 11.

344,180. LADIES' HANDBAGS. MICHEL, MAKSIK & FELDMAN, INC., New York, N. Y.
Filed October 7, 1936. Serial No. 384,093. PUBLISHED JANUARY 5, 1937. Class 3.

344,181. BREAD. VIETMEYER BROS. CO., Jersey City, N. J.
Filed October 7, 1936. Serial No. 384,104. PUBLISHED JANUARY 5, 1937. Class 46.

344,182. HOT WATER RANGE BOILERS, GAS AND OIL FIRED STORAGE TANKS, AND EXPANSION TANKS. AMERICAN RADIATOR COMPANY, New York, N. Y.
Filed October 8, 1936. Serial No. 384,110. PUBLISHED JANUARY 5, 1937. Class 34.

344,183. SPICED SEASONINGS. THE WILLIAM G. BELL COMPANY, Boston, Mass.
Filed October 8, 1936. Serial No. 384,113. PUBLISHED DECEMBER 29, 1936. Class 46.

344,184. SPICED SEASONINGS. THE WILLIAM G. BELL COMPANY, Boston, Mass.
Filed October 8, 1936. Serial No. 384,114. PUBLISHED DECEMBER 29, 1936. Class 46.

344,185. OILS AND GREASES TO BE USED FOR LUBRICATING PURPOSES. SMITH OIL & REFINING COMPANY, Rockford, Ill.
Filed October 8, 1936. Serial No. 384,141. PUBLISHED JANUARY 5, 1937. Class 15.

344,186. DIAMONDS AND PRECIOUS STONES. TRABERT & HOEFFER INC., New York, N. Y.
Filed October 8, 1936. Serial No. 384,145. PUBLISHED DECEMBER 29, 1936. Class 28.

344,187. LUBRICATING GREASES. THE TEXAS COMPANY, New York, N. Y.
Filed October 9, 1936. Serial No. 384,168. PUBLISHED DECEMBER 29, 1936. Class 15.

344,188. PREPARATION FOR CLEANING GLOVES AND FINE FABRICS. VAPO PRODUCTS COMPANY, INC., Spokane, Wash.
Filed October 9, 1936. Serial No. 384,171. PUBLISHED DECEMBER 29, 1936. Class 4.

344,189. YARNS. FORREST YARN COMPANY, Philadelphia, Pa.
Filed October 10, 1936. Serial No. 384,208. PUBLISHED JANUARY 5, 1937. Class 43.

344,190. FRESH VEGETABLES. IRVING WILLIAMS, doing business as Irving Williams Co., Salinas, Calif.
Filed October 12, 1936. Serial No. 384,278. PUBLISHED JANUARY 5, 1937. Class 46.

344,191. RADIO RECEIVING SETS AND PARTS THEREOF. HENRY WOLFF COMPANY, San Francisco, Calif.
Filed October 12, 1936. Serial No. 384,279. PUBLISHED JANUARY 5, 1937. Class 21.

344,192. PERIODICAL. COLLYER'S PUBLISHING COMPANY, Chicago, Ill.
Filed October 13, 1936. Serial No. 384,284. PUBLISHED JANUARY 5, 1937. Class 38.

344,193. SPARK PLUGS. THE ELECTRIC AUTO-LITE COMPANY, Toledo, Ohio.
Filed October 13, 1936. Serial No. 384,286. PUBLISHED JANUARY 5, 1937. Class 21.

344,194. SPARK PLUG ELECTRODES. THE ELECTRIC AUTO-LITE COMPANY, Toledo, Ohio.
Filed October 13, 1936. Serial No. 384,287. PUBLISHED JANUARY 5, 1937. Class 21.

344,195. SPARK PLUG INSULATORS. THE ELECTRIC AUTO-LITE COMPANY, Toledo, Ohio.
Filed October 13, 1936. Serial No. 384,288. PUBLISHED JANUARY 5, 1937. Class 21.

344,196. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING THE SAME. EDWIN A. RANDALL, Atlanta, Ga.
Filed October 13, 1936. Serial No. 384,298. PUBLISHED JANUARY 5, 1937. Class 45.

344,197. FISHING RODS. EDW. K. TRYON COMPANY, Philadelphia, Pa.
Filed October 13, 1936. Serial No. 384,305. PUBLISHED JANUARY 5, 1937. Class 22.

344,198. CANDY. BUTTER CREAM CONFECTIONERY CORP., Union City, N. J.
Filed October 14, 1936. Serial No. 384,317. PUBLISHED JANUARY 5, 1937. Class 46.

344,199. GLASS CLEANER WHICH ALSO PREVENTS THE ACCUMULATION OF FROST ON WIND SHIELDS AND THE LIKE. H. KIRK WHITE & CO., Oconomowoc, Wis.
Filed October 14, 1936. Serial No. 384,349. PUBLISHED DECEMBER 29, 1936. Class 4.

344,200. DISTILLED ALCOHOLIC CORDIALS. LYONS-MAGNUS, INCORPORATED, doing business as The E. G. Lyons and Raas Company, San Francisco, Calif.
Filed October 14, 1936. Serial No. 384,360. PUBLISHED DECEMBER 15, 1936. Class 49.

344,201. COLUMN, SECTION, OR DEPARTMENT OF A PERIODICAL. BERT E. COLLYER, Chicago, Ill.
Filed October 15, 1936. Serial No. 384,372. PUBLISHED JANUARY 5, 1937. Class 38.

344,202. WINES. CHARLES & CO., New York, N. Y.
Filed October 16, 1936. Serial No. 384,407. PUBLISHED JANUARY 5, 1937. Class 47.

344,203. LIGHTWEIGHT STRUCTURAL PANEL. JOHNS-MANVILLE CORPORATION, New York, N. Y.
Filed October 16, 1936. Serial No. 384,423. PUBLISHED JANUARY 5, 1937. Class 12.

344,204. OIL BURNERS, OIL FILTERS FOR OIL BURNERS, BLOWERS FOR OIL BURNERS, BOILERS FOR OIL BURNING, ETC. MAY OIL BURNER CORPORATION, Baltimore, Md.
Filed October 16, 1936. Serial No. 384,426. PUBLISHED JANUARY 5, 1937. Class 34.

344,205. ELECTRIC LIGHT AND POWER PLANTS AND PARTS THEREOF. MONTGOMERY WARD & CO., INCORPORATED, Chicago, Ill.
Filed October 16, 1936. Serial No. 384,428. PUBLISHED JANUARY 5, 1937. Class 21.

344,206. MALT PREPARATION IN POWDER FORM FOR BREAD MAKING. STUART LEE JAFFRAY, INC., Brooklyn, N. Y.
Filed October 17, 1936. Serial No. 384,467. PUBLISHED JANUARY 5, 1937. Class 46.

344,207. SUGAR. THE NATIONAL SUGAR REFINING COMPANY OF NEW JERSEY, Jersey City, N. J., and New York, N. Y.
Filed October 17, 1936. Serial No. 384,472. PUBLISHED JANUARY 5, 1937. Class 46.

344,208. NEEDLES FOR HAND USE, AND THIMBLES NOT MADE OF PRECIOUS METAL. AMERICAN MERCHANDISE CO. INC., New York, N. Y.
Filed October 19, 1936. Serial No. 384,494. PUBLISHED JANUARY 5, 1937. Class 40.

344,209. ELECTRICAL TRANSFORMERS. DONGAN ELECTRIC MANUFACTURING COMPANY, Detroit, Mich.
Filed October 19, 1936. Serial No. 384,518. PUBLISHED JANUARY 5, 1937. Class 21.

344,210. BUTTER. MOUNTAIN CREST CREAMERIES CORP., New York, N. Y.
Filed October 19, 1936. Serial No. 384,548. PUBLISHED JANUARY 5, 1937. Class 46.

344,211. PILE FABRICS IN THE PIECE. ROLLINSON-HAIGH TEXTILE CORP., New York, N. Y.
Filed October 19, 1936. Serial No. 384,557. PUBLISHED JANUARY 5, 1937. Class 42.

344,212. WINES. SANDUSKY WINERIES, INC., Sandusky, Ohio.
Filed October 19, 1936. Serial No. 384,559. PUBLISHED JANUARY 5, 1937. Class 47.

344,213. NAPHTHA. SHELL PETROLEUM CORPORATION, St. Louis, Mo.
Filed October 19, 1936. Serial No. 384,566. PUBLISHED JANUARY 5, 1937. Class 15.

344,214. NAPHTHA. SHELL PETROLEUM CORPORATION, St. Louis, Mo.
Filed October 19, 1936. Serial No. 384,567. PUBLISHED JANUARY 5, 1937. Class 15.

344,215. GASOLINE AND MOTOR LUBRICATING OILS. THE DERBY OIL COMPANY, Wichita, Kans.
Filed October 20, 1936. Serial No. 384,582. PUBLISHED DECEMBER 29, 1936. Class 15.

344,216. DISPENSING CABINETS FOR PAPER TOILET ARTICLES. KIRCH-TRUMBULL CORPORATION, Alden, N. Y.
Filed October 20, 1936. Serial No. 384,590. PUBLISHED JANUARY 5, 1937. Class 23.

344,217. ORANGE BASE AND DILUTED LEMON JUICE FOR BEVERAGE PURPOSES. TREESWEET PRODUCTS CO., doing business as Santa Ana Packing Co., Santa Ana, Calif.
Filed October 20, 1936. Serial No. 384,604. PUBLISHED JANUARY 5, 1937. Class 45.

344,218. LIQUID PREPARATION FOR COUGHS AND THROAT AILMENTS AND THE LIKE. E. H. WILLIAMS, New York, N. Y.
Filed October 21, 1936. Serial No. 384,638. PUBLISHED JANUARY 5, 1937. Class 6.

344,219. YARNS MADE OF RAYON AND COTTON, RAYON AND WOOL, AND RAYON AND WOOL AND COTTON. AVONDALE MILLS, Birmingham, Ala.
Filed October 22, 1936. Serial No. 384,642. PUBLISHED JANUARY 5, 1937. Class 43.

344,220. COLORING MATERIAL FOR PAINTS. BENNETT GLASS & PAINT COMPANY, Salt Lake City, Utah.
Filed October 22, 1936. Serial No. 384,645. PUBLISHED JANUARY 5, 1937. Class 16.

344,221. KNITTED CAPES. HERCULES KNITTING CO., Milwaukee, Wis.
Filed October 22, 1936. Serial No. 384,658. PUBLISHED JANUARY 5, 1937. Class 39.

344,222. MEDICAL PREPARATION FOR TREATING SINUS AFFECTIONS AND HEAD COLDS. ERNEST M. F. IVEY, doing business as Ivey's Laboratories, Tucson, Ariz.
Filed October 22, 1936. Serial No. 384,662. PUBLISHED JANUARY 5, 1937. Class 6.

344,223. WIRE SCREEN CLOTH. NEW YORK WIRE CLOTH COMPANY, New York, N. Y.
Filed October 22, 1936. Serial No. 384,667. PUBLISHED JANUARY 5, 1937. Class 13.

344,224. TIES, PRINCIPALLY BOW TIES. SOL SHERMAN, New York, N. Y.
Filed October 22, 1936. Serial No. 384,676. PUBLISHED DECEMBER 29, 1936. Class 39.

344,225. FRESH GRAPES, PLUMS, AND CHERRIES, AND FRESH VEGETABLES. JOHN GRAFFIONA, Lodi and Acampo, Calif.
Filed October 23, 1936. Serial No. 384,705. PUBLISHED JANUARY 5, 1937. Class 46.

344,226. STEP-IN UNDERGARMENTS IN THE NATURE OF PANTIES. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed October 23, 1936. Serial No. 384,710. PUBLISHED JANUARY 5, 1937. Class 39.

344,227. YEAST. NORTHWESTERN YEAST COMPANY, Chicago, Ill.
Filed October 23, 1936. Serial No. 384,713. PUBLISHED JANUARY 5, 1937. Class 46.

344,228. MEN'S AND BOYS' GARMENTS—NAMELY, OVERCOATS, JACKETS, MACKINAWS, REEFERS, COATS, PANTS, AND BREECHES. RICE-FRIEDMAN CO., Milwaukee, Wis.
Filed October 23, 1936. Serial No. 384,720. PUBLISHED DECEMBER 29, 1936. Class 39.

344,229. SPECIAL DOORS. ROACH & MUSSER COMPANY, Muscatine, Iowa.
Filed October 23, 1936. Serial No. 384,722. PUBLISHED DECEMBER 29, 1936. Class 12.

344,230. SILVER POLISH. THE HALLMARK COMPANY INC., New York, N. Y.
Filed October 23, 1936. Serial No. 384,727. PUBLISHED DECEMBER 29, 1936. Class 4.

344,231. BABY CARRIAGES. B. ALTMAN & CO., New York, N. Y.
Filed October 24, 1936. Serial No. 384,732. PUBLISHED JANUARY 5, 1937. Class 19.

344,232. SECTION IN A MONTHLY TRADE PUBLICATION. SUNSET OIL COMPANY, Los Angeles, Calif.
Filed October 24, 1936. Serial No. 384,768. PUBLISHED DECEMBER 29, 1936. Class 38.

344,233. PERIODICAL, AT PRESENT PUBLISHED WEEKLY. ADCRAFT CLUB OF DETROIT, Detroit, Mich.
Filed October 26, 1936. Serial No. 384,779. PUBLISHED DECEMBER 29, 1936. Class 38.

344,234. LIQUID GLASS CLEANER. MURRAY J. BLISS, doing business as Glass-Glow Co., Indianapolis, Ind.
Filed October 26, 1936. Serial No. 384,783. PUBLISHED DECEMBER 29, 1936. Class 4.

344,235. WHEAT FLOUR. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn.
Filed October 26, 1936. Serial No. 384,797. PUBLISHED JANUARY 5, 1937. Class 46.

344,236. SILVER POLISH. WILLIAM F. SUDRO, doing business as Western Products Co., Fargo, N. Dak.
Filed October 26, 1936. Serial No. 384,823. PUBLISHED DECEMBER 29, 1936. Class 4.

344,237. GASOLINE, MOTOR LUBRICATING OILS, AND LUBRICATING GREASES. THRIFT SERVICE STATIONS, INC., Kingston, Pa.
Filed October 26, 1936. Serial No. 384,824. PUBLISHED JANUARY 5, 1937. Class 15.

344,238. SUITS, JACKETS, SWEATERS, COATS, AND OVERCOATS, FOR THE USE OF MEN, WOMEN, BOYS, AND GIRLS. THE GREAT WARDROBE, LTD., Santa Barbara, Calif.
Filed October 26, 1936. Serial No. 384,827. PUBLISHED JANUARY 5, 1937. Class 39.

344,239. PERIODICAL PUBLICATIONS. ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill.
Filed October 26, 1936. Serial No. 384,833. PUBLISHED JANUARY 5, 1937. Class 38.

344,240. WOMEN'S AND MISSES' DRESSES. DUBARRY FROCK, CORP., New York, N. Y.
Filed October 27, 1936. Serial No. 384,844. PUBLISHED JANUARY 5, 1937. Class 39.

344,241. LADIES' DRESSES. E-Z-ON DRESSES INC., New York, N. Y.
Filed October 28, 1936. Serial No. 384,889. PUBLISHED JANUARY 5, 1937. Class 39.

344,242. ICE CREAM AND SHERBETS. DIEGO GUARDINO, Brooklyn, N. Y.
Filed October 28, 1936. Serial No. 384,892. PUBLISHED DECEMBER 29, 1936. Class 46.

344,243. CANDY. HOLLYWOOD BRANDS, INC., doing business as Hollywood Candy Co., Minneapolis, Minn.
Filed October 28, 1936. Serial No. 384,894. PUBLISHED DECEMBER 29, 1936. Class 46.

344,244. LUBRICATING OILS AND GREASES. INDUSTRIAL OIL CORPORATION, Warren and Stoneham, Pa.
Filed October 28, 1936. Serial No. 384,897. PUBLISHED DECEMBER 29, 1936. Class 15.

344,245. FLOOR TILES. DAVID E. KENNEDY, INC., Brooklyn, N. Y.
Filed October 28, 1936. Serial No. 384,900. PUBLISHED DECEMBER 29, 1936. Class 12.

344,246. LAUNDRY COMPOUND COMPRISING SOAP AND ALKALIES. NATIONAL MILLING & CHEMICAL COMPANY, Philadelphia, Pa.
Filed October 28, 1936. Serial No. 384,903. PUBLISHED JANUARY 5, 1937. Class 4.

344,247. PERIODICAL, AT PRESENT PUBLISHED MONTHLY. SIEBEL PUBLISHING COMPANY, Chicago, Ill.
Filed October 28, 1936. Serial No. 384,908. PUBLISHED DECEMBER 29, 1936. Class 38.

344,248. PERIODICAL, AT PRESENT PUBLISHED MONTHLY. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed October 28, 1936. Serial No. 384,909. PUBLISHED JANUARY 5, 1937. Class 38.

344,249. PUZZLES FOR PUBLICATION IN NEWSPAPERS OR OTHER PERIODICALS. HENRY K. ULLMAN, Washington, D. C.
Filed October 28, 1936. Serial No. 384,911. PUBLISHED DECEMBER 29, 1936. Class 38.

344,250. BOYS' SUITS AND OVERCOATS. MAISON BLANCHE COMPANY, New Orleans, La.
Filed October 28, 1936. Serial No. 384,944. PUBLISHED JANUARY 5, 1937. Class 39.

344,251. GASOLINE. SUNSET OIL COMPANY, Los Angeles, Calif.
Filed October 30, 1936. Serial No. 384,983. PUBLISHED JANUARY 5, 1937. Class 15.

344,252. ELECTRIC FANS AND RHEOSTATS AND GENERATOR REGULATORS. CASCO PRODUCTS CORPORATION, Bridgeport, Conn.
Filed October 31, 1936. Serial No. 384,991. PUBLISHED JANUARY 5, 1937. Class 21.

344,253. LACE AND NET PIECE GOODS AND EMBROIDERED PIECE GOODS OR IN THE PIECE. CASE & CO., INC., New York, N. Y.
Filed October 31, 1936. Serial No. 384,993. PUBLISHED JANUARY 5, 1937. Class 42.

344,254. COASTER SLEDS. STANDARD NOVELTY WORKS, Duncannon, Pa.
Filed October 31, 1936. Serial No. 385,011. PUBLISHED JANUARY 5, 1937. Class 22.

344,255. ASPHALT ROOFING. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed October 31, 1936. Serial No. 385,014. PUBLISHED JANUARY 5, 1937. Class 12.

344,256. ASPHALT ROOF CEMENT, ASPHALT ROOF COATING, AND ASBESTOS FIBER COATING. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed October 31, 1936. Serial No. 385,017. PUBLISHED JANUARY 5, 1937. Class 12.

344,257. WINE. ALBERT M. KANTRO, doing business as Kan-Tro Products Co., Los Angeles, Calif.
Filed November 2, 1936. Serial No. 385,044. PUBLISHED JANUARY 5, 1937. Class 47.

344,258. TOILET SOAP. LOS ANGELES SOAP CO., Los Angeles, Calif.
Filed November 2, 1936. Serial No. 385,047. PUBLISHED JANUARY 5, 1937. Class 4.

344,259. WEEKLY NEWS LETTER FOR MANUFACTURERS. MANUFACTURERS NEWS BUREAU, INC., Washington, D. C.
Filed November 2, 1936. Serial No. 385,051. PUBLISHED JANUARY 5, 1937. Class 38.

344,260. PERIODICAL. POPULAR MECHANICS COMPANY, Chicago, Ill.
Filed November 2, 1936. Serial No. 385,062. PUBLISHED JANUARY 5, 1937. Class 38.

344,261. APERITIF WAFFLE WAFERS OF FOLLOWING VARIETIES: RYE AND CARAWAY, PEPPERMINT, CARAWAY, BUTTER, BRAN, ANCHOVY, ETC. RICE & TOWNSEND, Los Angeles, Calif.
Filed November 2, 1936. Serial No. 385,063. PUBLISHED JANUARY 5, 1937. Class 46.

344,262. CONDENSED PURE CULTURE OF BACILLUS ACIDOPHILUS IN SOY BEAN MILK. THERAPY, LTD., Pasadena, Calif.
Filed November 2, 1936. Serial No 385,074. PUBLISHED JANUARY 5, 1937. Class 6.

344,263. WOVEN TEXTILE RUGS AND CARPETS. BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn.
Filed November 3, 1936. Serial No. 385,083. PUBLISHED JANUARY 5, 1937. Class 42.

344,264. STATIONARY BOTTLE OPENERS BROWN MANUFACTURING COMPANY, INC., Newport News, Va.
Filed November 3, 1936. Serial No. 385,085. PUBLISHED JANUARY 5, 1937. Class 23.

344,265. WINES—NAMELY, SHERRY, PORT, MUSCATEL, AND MALAGA. EUROPEAN WINE EXPORTERS & GROWERS AGENCIES, INC., New York, N. Y.
Filed November 3, 1936. Serial No. 385,090. PUBLISHED JANUARY 5, 1937. Class 47.

344,266. ADHESIVE CEMENT SUBSTANCES. JENCO BROTHERS, INC., Paterson, N. J.
Filed November 3, 1936. Serial No. 385,101. PUBLISHED JANUARY 5, 1937. Class 5.

344,267. DOG FOOD. MARITIME MILLING CO. INC., Buffalo, N. Y.
Filed November 3, 1936. Serial No. 385,103. PUBLISHED JANUARY 5, 1937. Class 46.

344,268. MALTLESS SOFT DRINKS. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y.
Filed November 3, 1936. Serial No. 385,116. PUBLISHED JANUARY 5, 1937. Class 45.

344,269. PERIODICAL, AT PRESENT PUBLISHED MONTHLY. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed November 2, 1936. Serial No. 385,125. PUBLISHED JANUARY 5, 1937. Class 38.

344,270. WALL PAPER WHEAT PASTE. LOUISVILLE WALL PAPER CO. INC., Louisville, Ky.
Filed November 4, 1936. Serial No. 385,145. PUBLISHED JANUARY 5, 1937. Class 5.

344,271. METAL TAPS FOR TAP DANCING SHOES. B. L. MARDER CO., Chicago, Ill.
Filed November 4, 1936. Serial No. 385,146. PUBLISHED JANUARY 5, 1937. Class 13.

344,272. COTTON PIECE GOODS. PACIFIC MILLS, Boston, Mass.
Filed November 4, 1936. Serial No. 385,148. PUBLISHED JANUARY 5, 1937. Class 42.

344,273. [WITHDRAWN.]

344,274. FIBER BOARDS. SIMPLEX PAPER CORPORATION, Adrian, Mich.
Filed November 4, 1936. Serial No. 385,155. PUBLISHED JANUARY 5, 1937. Class 12.

344,275. PAINT ENAMELS. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed November 4, 1936. Serial No. 385,161. PUBLISHED JANUARY 5, 1937. Class 16

344,276. ELASTIC YARN FORMED FROM ELASTIC MATERIAL SUCH AS RUBBER, RUBBER LATEX, AND THE LIKE, EITHER COVERED OR UNCOVERED. FILATEX CORPORATION, New York, N. Y.
Filed November 5, 1936. Serial No. 385,181. PUBLISHED JANUARY 5, 1937. Class 43.

344,277. POTATO PRODUCTS, PARTICULARLY POTATO CHIPS. GENERAL MILLS, INC., Minneapolis, Minn.
Filed November 5, 1936. Serial No. 385,183. PUBLISHED JANUARY 5, 1937. Class 46.

344,278. CANNED TUNA. SUN HARBOR PACKING CORP., San Diego, Calif.
Filed September 12, 1936. Serial No 383,185. PUBLISHED DECEMBER 29, 1936. Class 46.

344,279. DIAMONDS AND PRECIOUS STONES. TRABERT & HOEFFER INC., New York, N. Y.
Filed September 14, 1936. Serial No. 383,240. PUBLISHED DECEMBER 29, 1936. Class 28.

344,280. SERIES OF BOOKS PUBLISHED FROM TIME TO TIME. WILLIAM MORROW & COMPANY, INC., New York, N. Y.
Filed September 15, 1936. Serial No 383,270. PUBLISHED JANUARY 5, 1937. Class 38.

344,281. DRESSED TURKEYS. ROBERT H. STORZ, Omaha, Nebr., and Turin, Iowa.
Filed September 15, 1936. Serial No. 383,275. PUBLISHED DECEMBER 29, 1936. Class 46.

344,282. OIL PASTE PAINT. THE WILBUR & WILLIAMS COMPANY, Boston, Mass.
Filed September 15, 1936. Serial No. 383,279. PUBLISHED JANUARY 5, 1937. Class 16.

344,283. FLEXIBLE SHEETS AND RIGID PANELS OF INORGANIC HEAT INSULATING MATERIAL SOLD EXCLUSIVELY TO THE FOUNDRY TRADE AS CONSTRUCTION MATERIAL FOR BOTTOM BOARDS, MOLD JACKETS, AND FOR SIMILAR FOUNDRY USES. NORRISTOWN MAGNESIA & ASBESTOS COMPANY, Norristown, Pa.
Filed September 16, 1936. Serial No 383,323. PUBLISHED DECEMBER 1, 1936. Class 12.

344,284. PERIODICAL PROGRAM SKITS FOR RADIO STATIONS SOLD AS A PUBLICATION IN INTERSTATE TRADE. EDWARD L. FOERTSCH, doing business as Radiad Service, Chicago, Ill.
Filed Sept. 19, 1936. Serial No. 383,429. PUBLISHED DECEMBER 29, 1936. Class 38.

344,285. SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAM, SHAVING STICKS, SHAVING POWDER, ETC. SHULTON, INC., New York, N. Y.
Filed September 19, 1936. Serial No. 383,451. PUBLISHED DECEMBER 29, 1936. Class 4.

344,286. TRANSFERRING AND MEASURING APPARATUS, COMPRISING A TANK, INDICATORS, AND THE LIKE, FOR USE IN TRANSFERRING AND MEASURING OIL FROM OIL AND GAS SEPARATORS. SMITH SEPARATOR CORPORATION, Tulsa, Okla.
Filed September 19, 1936. Serial No. 383,452. PUBLISHED JANUARY 5, 1937. Class 26.

344,287. MEN'S SPATS, MUFFLERS, CRAVATS, AND SUSPENDERS. MOE A. CHAUSS, Minneapolis, Minn.
Filed September 21, 1936. Serial No. 383,468. PUBLISHED JANUARY 5, 1937. Class 39.

344,288. CANE SYRUP. SESSIONS COMPANY, INC., Enterprise, Ala.
Filed September 21, 1936. Serial No. 383,490. PUBLISHED JANUARY 5, 1937. Class 46.

344,289. CAKE, PIES, FRENCH PASTRIES, COCOANUT KISSES, FRUIT KISSES, MARZIPAN, CANDIES. THE RICHARD W. KAASE COMPANY, Cleveland, Ohio.
Filed September 22, 1936. Serial No. 383,506. PUBLISHED JANUARY 5, 1937. Class 46.

344,290. COATED WIRE FENCE, COATED BARBED WIRE. BETHLEHEM STEEL COMPANY, Bethlehem, Pa.
Filed September 23, 1936. Serial No. 383,516. PUBLISHED JANUARY 5, 1937. Class 13.

344,291. SHOWER CURTAINS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed September 23, 1936. Serial No. 383,538. PUBLISHED JANUARY 5, 1937. Class 13.

344,292. WATERPROOF ADHESIVES AND CEMENTS. CHARLES L. GANE, doing business as Atlas Supply Company, Philadelphia, Pa.
Filed September 25, 1936. Serial No. 383,619. PUBLISHED JANUARY 5, 1937. Class 5.

344,293. BISCUITS, CRACKERS, AND COOKIES. BURRY BISCUIT CORPORATION, Chicago, Ill., and Linden, N. J.
Filed September 28, 1936. Serial No. 383,717. PUBLISHED DECEMBER 29, 1936. Class 46.

344,294. SAPONACEOUS MATERIAL HAVING INCIDENTAL WATER SOFTENING PROPERTIES FOR FORMING BUBBLES FOR USE IN THE BATH AND THE LIKE. B & L LABORATORIES, INC., Chicago, Ill.
Filed September 30, 1936. Serial No. 383,798. PUBLISHED DECEMBER 29, 1936. Class 4.

344,295. CREAM CHEESE. GIUSEPPE TEDONE, West New York, N. J.
Filed September 29, 1936. Serial No. 383,861. PUBLISHED DECEMBER 29, 1936. Class 46.

344,296. MOTOR LUBRICATING OIL AND GREASE. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed October 2, 1936. Serial No. 383,899. PUBLISHED DECEMBER 15, 1936. Class 15.

344,297. LACQUERS, SPECIFICALLY CABLE COATINGS. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed November 5, 1936. Serial No. 385,185. PUBLISHED JANUARY 5, 1937. Class 16.

344,298. METAL TAPS FOR TAP DANCING SHOES. B. L. MARDER CO., Chicago, Ill.
Filed November 5, 1936. Serial No. 385,191. PUBLISHED JANUARY 5, 1937. Class 13.

344,299. HAIR WAVING PADS OR TAMPLETTES. THE NESTLE-LEMUR COMPANY, New York, N. Y.
Filed November 5, 1936. Serial No. 385,196. PUBLISHED JANUARY 5, 1937. Class 44.

344,300. FURNITURE POLISH AND CLEANER, A POLISH POSSESSING INCIDENTAL CLEANING PROPERTIES. WILLIAM S. DIETRICH, doing business as Pokadot Chemical Company, Greenville, Pa.
Filed November 6, 1936. Serial No. 385,217. PUBLISHED JANUARY 5, 1937. Class 16.

344,301. BEER. FRANK H. MORTIMER, trustee in bankruptcy for Standard Brewing Company, Inc., New Orleans, La.
Filed November 6, 1936. Serial No. 385,230. PUBLISHED JANUARY 5, 1937. Class 48.

344,302. SECTION OR COLUMN APPEARING IN A NEWSPAPER OR PERIODICAL. UNITED FEATURE SYNDICATE, INC., New York, N. Y.
Filed November 6, 1936. Serial No. 385,240. PUBLISHED DECEMBER 29, 1936. Class 38.

344,303. PREPARATION FOR THE RELIEF OF IMPETIGO, ECZEMA, AND ATHLETE'S FOOT. B & M ASSOCIATE CHEMISTS, Santa Barbara, Calif.
Filed November 7, 1936. Serial No. 385,246. PUBLISHED JANUARY 5, 1937. Class 6.

344,304. PHOTOGRAPHIC PRINTS. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed November 7, 1936. Serial No. 385,254. PUBLISHED JANUARY 5, 1937. Class 38.

344,305. PHOTOGRAPHIC PRINTS. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed November 7, 1936. Serial No. 385,255. PUBLISHED JANUARY 5, 1937. Class 38.

344,306. PREPARATION FOR THE TREATMENT OF PILES. FOLEY AND COMPANY, Chicago, Ill.
Filed November 7, 1936. Serial No. 385,257. PUBLISHED JANUARY 5, 1937. Class 6.

344,307. CARBON PAPERS. MANIFOLD SUPPLIES COMPANY, Brooklyn, N. Y.
Filed November 7, 1936. Serial No. 385,264. PUBLISHED JANUARY 5, 1937. Class 11.

344,308. POWDERED COMPOSITION TO PREVENT RUGS FROM SLIDING. THE SPECIALTY GUILD, Convent, N. J.
Filed November 7, 1936. Serial No. 385,268. PUBLISHED JANUARY 5, 1937. Class 5.

344,309. ALLOYS TO BE ADDED TO FERROUS AND NON-FERROUS METALS AND ALLOYS FOR CONTROLLING THE GRAIN SIZE OF THE METALS OR ALLOYS. VANADIUM CORPORATION OF AMERICA, Bridgeville, Pa.
Filed November 7, 1936. Serial No. 385,271. PUBLISHED JANUARY 5, 1937. Class 14.

344,310. MALT BEVERAGE, WITHOUT REGARD TO ALCOHOLIC CONTENT AND UNDER ANY BEVERAGE LIMITS OF ALCOHOLIC CONTENT ALLOWED BY LAW. THE BRUCKMANN COMPANY, Cincinnati, Ohio.
Filed November 9, 1936. Serial No. 385,279. PUBLISHED JANUARY 5, 1937. Class 48.

344,311. PREPARATION FOR THE CHILLPROOFING OF BEER OR ALE. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed November 9, 1936. Serial No. 385,311. PUBLISHED JANUARY 5, 1937. Class 48.

344,312. VENDING MACHINES. WILLARD F. MAIN, doing business as Appleton Novelty Company, Cedar Rapids, Iowa.
Filed November 10, 1936. Serial No. 385,362. PUBLISHED JANUARY 5, 1937. Class 23.

344,313. MISSES' AND WOMEN'S DRESSES. JULIUS GROSSMAN-FRED GREENBERG DRESS CO., New York, N. Y.
Filed November 11, 1936. Serial No. 385,403. PUBLISHED JANUARY 5, 1937. Class 39.

344,314. RAZORS AND RAZOR BLADES. INTERNATIONAL SAFETY RAZOR CORP., Bloomfield, N. J.
Filed November 11, 1936. Serial No. 385,409. PUBLISHED JANUARY 5, 1937. Class 23.

344,315. ARTICLES OF CLOTHING—NAMELY, APRONS AND OVERALLS. JOHN KAYE & SON (HUDDERSFIELD) LIMITED, Huddersfield, England.
Filed November 11, 1936. Serial No. 385,411. PUBLISHED JANUARY 5, 1937. Class 39.

344,316. BLANKETS, NOT IN THE PIECE, MADE WHOLLY OR PRINCIPALLY OF WOOL, PERAMBULATOR RUGS, AND TRAVELLING RUGS. JOHN KAYE & SON (HUDDERSFIELD) LIMITED, Huddersfield, England.
Filed November 11, 1936. Serial No. 385,412. PUBLISHED JANUARY 5, 1937. Class 42.

344,317. RUM. SIBONEY DISTILLING CORPORATION, Philadelphia, Pa.
Filed November 11, 1936. Serial No. 385,428. PUBLISHED JANUARY 5, 1937. Class 49.

344,318. PERIODICAL. AMALGAMATED LITHOGRAPHERS OF AMERICA, New York, N. Y.
Filed November 13, 1936. Serial No. 385,468. PUBLISHED JANUARY 5, 1937. Class 38.

344,319. OIL CLARIFIERS. BRIGGS CLARIFIER COMPANY, Washington, D. C.
Filed November 13, 1936. Serial No. 385,471. PUBLISHED JANUARY 5, 1937. Class 31.

344,320. ASBESTOS BOARDS, ASBESTOS SHEETS, ASBESTOS LUMBER, AND ASBESTOS BUILDING MATERIALS IN FLAT AND SHEET FORM. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed November 13, 1936. Serial No. 385,483. PUBLISHED JANUARY 5, 1937. Class 12.

344,321. GINGER ALE AND SIRUP AND EXTRACT FOR MAKING THE SAME, AND FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. MONARCH MANUFACTURING COMPANY, Atlanta, Ga.
Filed November 13, 1936. Serial No. 385,486. PUBLISHED JANUARY 5, 1937. Class 45.

344,322. COLA BEVERAGE AND SIRUP AND EXTRACT FOR MAKING THE SAME AND FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. MONARCH MANUFACTURING COMPANY, Atlanta, Ga.
Filed November 13, 1936. Serial No. 385,487. PUBLISHED JANUARY 5, 1937. Class 45.

344,323. PIECE GOODS—NAMELY, CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR. WILLIAM BLISS & SON, LIMITED, Chipping Norton, England.
Filed November 14, 1936. Serial No. 385,504. PUBLISHED JANUARY 5, 1937. Class 42.

344,324. BEER AND ALE. DREWRYS LIMITED U. S. A., INC., South Bend, Ind.
Filed November 14, 1936. Serial No. 385,511. PUBLISHED JANUARY 5, 1937. Class 48.

344,325. BEER. DREWRYS LIMITED U. S. A., INC., South Bend, Ind.
Filed November 14, 1936. Serial No. 385,512. PUBLISHED JANUARY 5, 1937. Class 48.

344,326. COTTON PIECE GOODS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed November 14, 1936. Serial No. 385,536. PUBLISHED JANUARY 5, 1937. Class 42.

344,327. PERIODICAL, AT PRESENT PUBLISHED MONTHLY. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed November 12, 1936. Serial No. 385,548. PUBLISHED JANUARY 5, 1937. Class 38.

344,328. GOLF BALLS, GOLF CLUBS, AND GOLF BAGS. FRANK H. CAVIGNAC-ASSOCIATES, Glendale, Long Island, N. Y.
Filed November 16, 1936. Serial No. 385,558. PUBLISHED JANUARY 5, 1937. Class 22.

344,329. GOLF BALLS. FRANK H. CAVIGNAC-ASSOCIATES, Glendale, Long Island, N. Y.
Filed November 16, 1936. Serial No. 385,560. PUBLISHED JANUARY 5, 1937. Class 22.

344,330. RIBBONS. JEAN M. LANGENIEUX, New York, N. Y.
Filed November 16, 1936. Serial No. 385,589. PUBLISHED JANUARY 5, 1937. Class 42.

344,331. CARPETS AND RUGS. I. GINZKEY-MAFFERSDORF, INC., New York, N. Y.
Filed November 17, 1936. Serial No. 385,627. PUBLISHED JANUARY 5, 1937. Class 42.

344,332. CASEIN PAINT PASTE AND CASEIN PAINT POWDER. WEST COAST KALSOMINE COMPANY, West Berkeley, Calif.
Filed November 20, 1936. Serial No. 385,815. PUBLISHED JANUARY 5, 1937. Class 16.

344,333. COLORED SILICA SAND TO BE USED BY CHILDREN IN COLORING PICTURE OUTLINES. THE TOY TINKERS, INC., Evanston, Ill.
Filed November 21, 1936. Serial No. 385,866. PUBLISHED JANUARY 5, 1937. Class 22.

344,334. VARNISH. FRANKLIN RESEARCH COMPANY, Philadelphia, Pa.
Filed November 24, 1936. Serial No. 385,927. PUBLISHED JANUARY 5, 1937. Class 16.

344,335. CLOCKS. WILLIAM L. GILBERT CLOCK CORPORATION, Winsted, Conn.
Filed November 25, 1936. Serial No. 385,980. PUBLISHED JANUARY 5, 1937. Class 27.

344,336. CHEWING GUM TO BE USED FOR THE RELIEF OF COLDS AND INDIGESTION. RICHARD A. GARFIELD, New York, N. Y.
Filed October 19, 1936. Serial No. 384,526. PUBLISHED DECEMBER 22, 1936. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

344,337. (CLASS 2. RECEPTACLES.) KENSINGTON, INCORPORATED, New Kensington, Pa. Filed Jan. 19, 1937. Serial No. 387,946.

Kensington

For Ornamental Bowls, Dishes, Jars, Boxes, Trays, and Similar Receptacles for Fruit, Candy, Nuts, Bonbons, and the like, Vases, Pitchers, Sugar Bowls, Punch Bowls, Ice Buckets, Wine Buckets, Serving Dishes, and Trays, and Sandwich Trays, of Base Metal.
Claims use since Oct. 1, 1934.

344,338. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEETER'S, INC., Lansing, Ill. Filed Dec. 28, 1936. Serial No. 387,197.

MEETER'S SAUER KRAUT



For Sauer Kraut.
Claims use since Dec. 14, 1935.

344,339. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE THEW SHOVEL COMPANY, Lorain, Ohio. Filed Dec. 24, 1936. Serial No. 387,148.



For Power Cranes and Shovels.
Claims use since June 15, 1929.

344,340. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HYMAN LUBOW, doing business as The Linette Co., New York, N. Y. Filed Nov. 19, 1936. Serial No. 385,740.

LIN-N-IZED

For Cotton Piece Goods.
Claims use since Sept. 1, 1935.

344,341. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUROPA SALES CORPORATION, New York, N. Y. Filed Nov. 9, 1936. Serial No. 385,284.

Olde Jamaica

For Candies.
Claims use since May 10, 1933.

344,342. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HENRY BARLETTA, Orange, N. J. Filed July 22, 1936. Serial No. 381,306.

"OLD VIRGINIA"

For True Fruit Flavors for Making Soft Drinks.
Claims use since Jan. 2, 1934.

344,343. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY DISSTON & SONS, INCORPORATED, Tacony, Pa. Filed July 10, 1936. Serial No. 380,864.

Bite-Rite

For Files.
Claims use since Jan. 2, 1936.

344,344. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PIRU CITRUS ASSOCIATION, Piru, Calif. Filed June 29, 1936. Serial No. 380,407.

DESIRABLE

For Fresh Citrus Fruits—Namely, Oranges.
Claims use since 1919.

344,345. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio. Filed Apr. 18, 1936. Serial No. 377,340.

IRWIN

For Screw Drivers.
Claims use since Oct. 2, 1935.

344,346. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM E. BROEG, doing business as Parker Broeg, Boston, Mass. Filed Apr. 2, 1936. Serial No. 376,711.





For Buns.
Claims use since Oct. 27, 1931.

344,347. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) W. J. HOLLIDAY & Co., Indianapolis, Ind. Filed Feb. 10, 1936. Serial No. 374,664.

SPEED CUT

For Free Machining Bessemer Steel.
Claims use since Jan. 15, 1936.

344,348. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Filed Jan. 21, 1936. Serial No. 373,909.

Filtip

For Cigars, Cigarettes, Smoking Tobacco, Chewing Tobacco, and Snuff.
Claims use since Jan. 7, 1936.

344,349. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DELTA MANUFACTURING COMPANY, Milwaukee, Wis. Filed Nov. 20, 1935. Serial No. 371,759.

Twin-Lite

For Safety Shields for Use as Attachments for Abrasive Grinding Machines.
Claims use since Oct. 1, 1935.

344,350. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE C. POWER, doing business as Geo. C. Power Lemon Ranch, San Buenaventura, Calif. Filed Nov. 5, 1935. Serial No. 371,230.

VENTURA

For Fresh Citrus Fruits.
Claims use since Jan. 27, 1920.

TRADE-MARK REGISTRATIONS RENEWED

13,976. COPPER INGOTS. Registered January 11, 1887. LEWISOHN BROTHERS. Re-renewed January 11, 1937, to Anaconda Copper Mining Company, New York, N. Y., a corporation of Montana, assignee by mesne assignments.

112,365. HORSE-COLLARS, HARNESS, AND PARTS THEREOF. Registered September 5, 1916. A. D. GOETZ COMPANY, Ranson, W. Va., a corporation of West Virginia. Renewed September 5, 1936.

115,357. POLISHING-CLOTHS. Registered February 6, 1917. CREW LEVICK COMPANY, Philadelphia, Pa. Renewed February 6, 1937, to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania, by merger.

115,358. CORSETS. Registered February 6, 1917. LILY OF FRANCE CORSET CO. Renewed February 6, 1937, to Lily of France Corset Company, Inc., New York, N. Y., a corporation of New York, assignee.

115,640. CAKES. Registered February 27, 1917. LOOSE-WILES BISCUIT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 27, 1937.

115,641. CAKES OF THE KIND KNOWN AS COOKIES. Registered February 27, 1917. LOOSE-WILES BISCUIT COMPANY, New York, N. Y., and Kansas City, Mo. Renewed February 27, 1937, to Loose-Wiles Biscuit Company, Long Island City, N. Y., a corporation of New York.

115,777. CAKES OF THE KIND KNOWN AS COOKIES. Registered March 6, 1917. LOOSE-WILES BISCUIT COMPANY, New York, N. Y., and Kansas City, Mo. Renewed March 6, 1937, to Loose-Wiles Biscuit Company, Long Island City, N. Y., a corporation of New York.

115,786. A BLEACHING AND WATER-SOFTENING COMPOUND. Registered March 6, 1917. NATIONAL MILLING AND CHEMICAL CO., Philadelphia, Pa. Renewed March 6, 1937, to National Milling & Chemical Co., Inc., Manayunk, Philadelphia, Pa., a corporation of Pennsylvania.

115,978. CAKES. Registered March 27, 1917. LOOSE-WILES BISCUIT COMPANY, New York, N. Y., and Kansas City, Mo. Renewed March 27, 1937, to Loose-Wiles Biscuit Company, Long Island City, N. Y., a corporation of New York.

116,147. CAKES. Registered April 10, 1917. LOOSE-WILES BISCUIT COMPANY, New York, N. Y., and Kansas City, Mo. Renewed April 10, 1937, to Loose-Wiles Biscuit Company, Long Island City, N. Y., a corporation of New York.

116,333. CAKES. Registered April 24, 1917. LOOSE-WILES BISCUIT COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed April 24, 1937.

116,347. BISCUITS. Registered April 24, 1917. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed April 24, 1937, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

116,874. SALT, BLUING. Registered June 5, 1917. AUSTIN, NICHOLS & CO., INC., Brooklyn and New York, N. Y. Renewed June 5, 1937, to Austin, Nichols & Co., Inc., Brooklyn, N. Y., a corporation of Virginia, assignee.

117,055. BISCUITS. Registered June 12, 1917. PACIFIC COAST BISCUIT COMPANY, Seattle, Wash. Renewed June 12, 1937, to National Biscuit Company, New York, N. Y., a corporation of New Jersey, assignee.

117,271. FRUIT-JAR RINGS. Registered June 26, 1917. R. E. TONGUE & BROS. CO. Renewed June 26, 1937, to R. E. Tongue & Bros. Co. Inc., Philadelphia, Pa., a corporation of Delaware, assignee.

117,385. SNAP-BUTTONS USED AS GARMENT-FASTENERS. Registered July 3, 1917. WALDES & Co., Prague-Wrschowitz, Austria-Hungary. Renewed July 3, 1937, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

117,386. CERTAIN NAMED FANCY GOODS, FURNISHINGS, AND NOTIONS. Registered July 3, 1917. WALDES & Co., Prague-Wrschowitz, Austria-Hungary. Renewed July 3, 1937, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

LABELS

REGISTERED MARCH 16, 1937

49,075.—*Title:* CALAVO. For Avocados. CALAVO GROWERS OF CALIFORNIA, Los Angeles, Calif. Published January 8, 1937.

49,076.—*Title:* KAPTAIN KID'S TREASURE CHEST. For Latex or Rubber Articles—Namely, Aprons or Bibs and Pants for Babies. INTERNATIONAL LATEX CORPORATION, Rochester, N. Y. Published September 21, 1936.

49,077.—*Title:* KERNEL KIST CORN. For Canned Golden Bantam Corn. PLYMOUTH PACKING COMPANY, INC., Plymouth, Wis. Published February 21, 1936.

PRINTS

REGISTERED MARCH 16, 1937

16,111.—*Title:* HOLLOWAY'S RX. For a Preparation for the Feet. HOLLOWAY, INC., Duluth, Minn. Published February 1, 1937.

REISSUES

MARCH 16, 1937

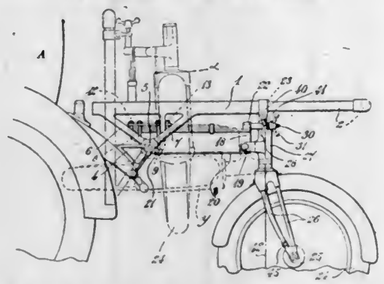
20,292

VEHICLE

Victor Yeats Brown, Tonbridge, England, assignor to William Cornelison Anthony, Streator, Ill.

Original No. 1,844,003, dated February 9, 1932, Serial No. 416,655, December 26, 1929. Renewed December 24, 1931. Application for reissue November 9, 1936, Serial No. 109,949. In Great Britain January 10, 1929

10 Claims. (Cl. 280—33.4)



1. A load carrying frame adapted to be movably connected to the rear end of a vehicle including a main frame, means for supporting the main frame for swinging movement with respect to the vehicle, an auxiliary frame movably connected to the main frame, and a ground engaging wheel carried by the main frame an elongated laminated spring being interposed between the said wheel and the said frames.

20,293

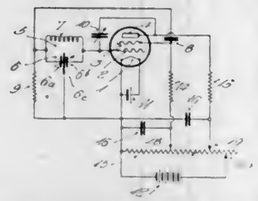
OSCILLATOR SYSTEM

Jennings B. Dow, Washington, D. C.

Original No. 1,943,302, dated January 16, 1934, Serial No. 532,056, April 22, 1931. Application for reissue August 22, 1936, Serial No. 97,424

6 Claims. (Cl. 250—36)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An oscillation generator comprising an electron tube having cathode, control grid, inner anode and outer anode elements, positioned in the order named, an input circuit connecting said cathode and control grid, an output circuit connecting said cathode and inner anode, means for maintaining said inner anode electro-positive with respect to said cathode, means for regeneratively coupling said circuits for the generation of oscillations by said tube, a second output circuit connecting said cathode and outer anode and means for applying to said outer anode an electro-positive potential proportional at all times to the potential applied to said inner anode and of such value that the change in frequency of oscillation due to changes in the potential of said inner anode will be substantially compensated by the effect of a proportional change in the outer anode potential.

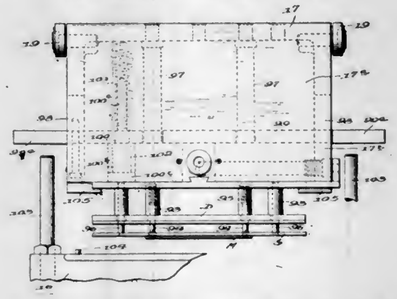
20,294

ORNAMENTING MACHINE

Benjamin W. Freeman, Cincinnati, and John Schneider, Mount Washington, Ohio, assignors to The Louis G. Freeman Company, Cincinnati, Ohio, a corporation of Ohio

Original No. 2,047,198, dated July 14, 1936, Serial No. 24,439, May 31, 1935. Application for reissue January 28, 1937, Serial No. 122,726

60 Claims. (Cl. 101—316)



1. In an ornamenting machine of the class described, a die holder in said machine, a die detachably mounted on said holder, a stripper plate carried by said die, means mounted in said holder, independently of said die for applying stripping pressure to said stripper, comprising a plate mounted in said holder for movement toward and from said stripper, pressure applying means in said holder co-operative with said plate, and means interposed between said pressure plate and said stripper plate effective to transmit pressures from the pressure applying means to said stripper.

20,295

PROCESS OF COLORING GRANULAR SLATE AND THE LIKE

Harry C. Fisher, Cincinnati, Ohio, assignor, by mesne assignments, to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Original No. 1,742,440, dated January 7, 1930, Serial No. 22,878, April 13, 1925. Application for reissue November 6, 1933, Serial No. 696,913

26 Claims. (Cl. 91—70)

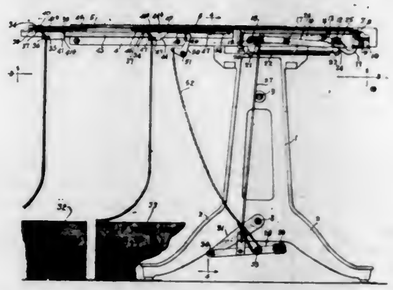
1. The process of producing glazed granular material which consists in depositing on granular mineral matter which will withstand a roasting treatment, a metal salt and a soluble silicate which will react to form an insoluble metal glass and then subjecting the granules to heat and agitation to fuse said metal silicate on the granules without permanent agglomeration of the granules together.

20,296
BILLING MACHINE

Frank E. Pfeiffer, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio

Original No. 1,966,682, dated July 17, 1934, Serial No. 543,773, June 12, 1931. Application for reissue September 20, 1934, Serial No. 744,831

36 Claims. (Cl. 197—133)



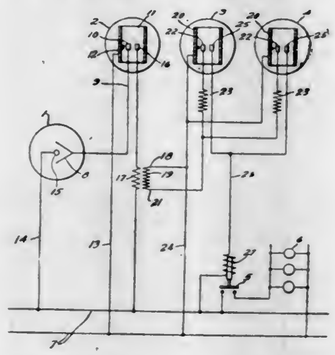
26. Apparatus of the character described having, in combination, means for guiding a strip to writing position including a transverse strip checking edge, and a strip-retracting device movable into and out of position projecting outside said checking edge.

20,297
AMPLIFICATION SYSTEM FOR GLOW RELAY DEVICES

Harvey C. Rentschler, East Orange, and Donald E. Henry, Bloomfield, N. J., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original No. 1,982,829, dated December 4, 1934, Serial No. 324,557, December 7, 1928. Application for reissue August 15, 1936, Serial No. 96,204

3 Claims. (Cl. 250—27)



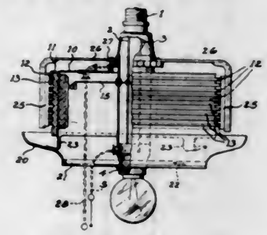
3. In a control system, a set of electrodes between which a discharge is to pass, means for controlling the discharge between said electrodes, the properties of said electrodes and said discharge controlling means being such that only a comparatively small current is required to be transmitted between said means and at least one of said electrodes to control the discharge between said electrodes, power supply means, the current of said discharge being substantially larger than said controlling current, means for coupling said power supply means to said electrodes and to said discharge controlling means to impress potentials between said electrodes and on said discharge-controlling means, said means including means for predetermining the relationship of the last said potentials, an additional set of electrodes between which a discharge is to pass, additional means for controlling the discharge between said additional set of electrodes, the properties of the last-named electrodes and discharge-controlling means being such that a comparatively large current, substantially equivalent to the current transmitted between the first-named set of electrodes, is required to be transmitted between said discharge controlling means and at least one of said electrodes to control the discharge between said additional set of electrodes and means for coupling the first-named set of electrodes to the last-named discharge controlling means to control the discharge between said additional set of electrodes.

20,298
ELECTRICAL INSECT EXTERMINATOR

Cosmos W. Rovinsky, Menominee, Mich.

Original No. 1,986,361, dated January 1, 1935, Serial No. 671,118, May 15, 1933. Application for reissue February 21, 1935, Serial No. 7,641

3 Claims. (Cl. 43—112)



1. A device substantially for the purpose described comprising, a supporting member having a plurality of sets of alternate exposed electrical conductors, a socket for the reception of a light bulb or the like, a pair of lead wires running to the socket, conductor means connecting one of the lead wires to one set of alternate exposed conductors, another conductor leading from the other set of alternate exposed conductors into the socket and insulated from the socket, said last named conductor being adapted to make contact with a contact member on the base portion of a bulb or the like situated in the socket, which contact member connects to the other of said lead wires whereby the circuit to the exposed conductors is dependent upon the presence of a bulb or the like in the socket.

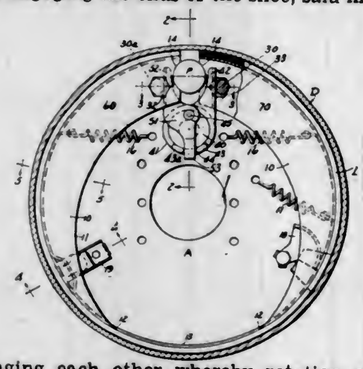
20,299
BRAKE MECHANISM

John Sneed, Grosse Pointe Shores, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Original No. 1,857,481, dated May 10, 1932, Serial No. 261,761, March 15, 1928. Application for reissue April 19, 1934, Serial No. 721,383

24 Claims. (Cl. 188—78)

1. Shoe expanding mechanism for a brake, comprising a rotatable cylinder, a member pivotally and eccentrically mounted on said cylinder, a second member pivotally and concentrically mounted on said cylinder, each of said members having arms extending away from the cylinder and engaging the ends of the shoe, said members



engaging each other whereby rotation of said cylinder spreads said arms.

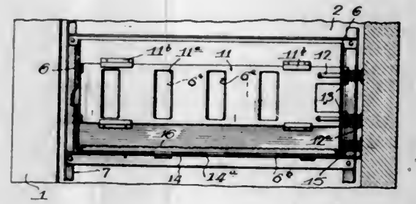
20,300
REFRIGERATOR

Paul C. Warren, Lakeside, Mich.

Original No. 1,943,646, dated January 16, 1934, Serial No. 579,878, December 9, 1931. Application for reissue January 14, 1936, Serial No. 59,154

4 Claims. (Cl. 62—66)

1. A refrigerator comprising a storage space, a drawer in said storage space slidable outwardly thereof, said drawer having a wall provided with openings adapted to permit free circulation therethrough when said drawer is in closed position, a slidable closure member on said drawer having openings arranged to register with the openings of said wall when the drawer is closed, and means acting on said closure member to effect relative shifting of the same with respect



to said drawer in a direction to close said openings during the initial portion of the outward movement of said drawer and arranged to abut a stationary portion of the refrigerator interior to effect relative shifting movement of said closure member in the opposite direction to uncover said openings during the final portion of the movement of said drawer to closed position.

PLANT PATENTS

GRANTED MARCH 16, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

238
APPLE

Valentine Moore, Visalia, Calif.

Application August 6, 1935, Serial No. 34,896

1 Claim. (Cl. 47—62)

The apple tree herein described characterized by the extreme early coloring and ripening period of the fruit as compared with the ripening period of the Stayman winesap and similar varieties.

PATENTS

GRANTED MARCH 16, 1937

2,073,600

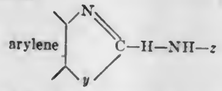
HETEROCYCLIC HYDRAZINES

Otto Bayer, Leverkusen-I. G.-Werk, Ernst Herdieckerhoff, Opladen, near Cologne, and Hans Schindheim, Frankfort-on-the-Main-Fechenheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application December 21, 1934, Serial No. 758,704. In Germany December 30, 1933

7 Claims. (Cl. 260—44)

5. Heterocyclic hydrazine compounds of the general formula:



wherein *y* stands for a member selected from the group consisting of sulfur, oxygen, NH, N-alkyl, N-aryl and N-aralkyl and *z* stands for a member selected from the group consisting of hydrogen and a hydrocarbon radical, being generally colorless to yellowish-colored, crystalline substances, soluble in organic solvents and in dilute aqueous mineral acids, being insoluble in aqueous alkalies, and being valuable intermediate products for the manufacture of dyestuffs and synthetic drugs.

2,073,601

SAFETY DEVICE FOR FOUNTAIN PENS AND THE LIKE

Joseph F. Beach, Washington, D. C.

Application August 4, 1936, Serial No. 94,248

3 Claims. (Cl. 24—12)



1. A safety device for preventing loss of a pen or pencil comprising a pin having a loop at one end adapted to receive the body portion of the pen or pencil and a point on the other, said point portion being bent at right angle to the plane of the loop, a bar having a longitudinal groove extending from one end to approximately its center, the other end of the bar being chambered, said chambered portion communicating with the end of the groove thru a restricted opening, a plunger positioned in the chamber at one end of the bar said plunger and the bottom of said chamber adjacent the restriction being tapered correspondingly, a pair of frictional balls seated in said chamber and movable radially by said plunger, a spring in engagement with said plunger and urging the plunger inwardly, the outer end of the chamber being turned in to form a seat for the outer end of the said spring.

2,073,602

PINHOLDER

Joseph F. Beach, Washington, D. C.

Application August 4, 1936, Serial No. 94,249

3 Claims. (Cl. 24—155)



1. A device of the kind described comprising a pin having a head portion and a shank portion bent substantially at its center at substantially a right angle, a bar having a longitudinal groove extending from one end to approximately its center, a longitudinal bore extending partially thru the remainder of the bar and opening into the said groove, a stop screw threaded thru the side of the bar and extending into the said groove and adapted to engage at the rear of the bent portion of the shank of the pin when the free end of the shank portion of the pin is in the said bore.

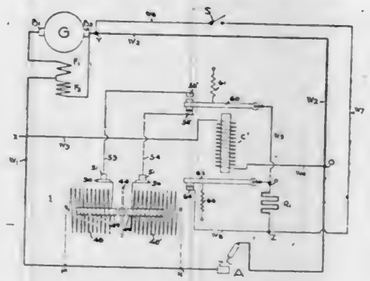
2,073,603

ELECTRIC WELDING MACHINE

Ernest E. Beckman, Lind, Wash., assignor of one-half to Walter D. Krehbiel, Lind, Wash.

Application December 24, 1935, Serial No. 56,054

2 Claims. (Cl. 219—8)



1. Control means for an arc welding machine when the arc is abnormally lengthened comprising a welding circuit and a shunt relay circuit, electrode-feed mechanism and operating means therefor including an electro-magnetic clutch, an electrode feed mechanism control circuit connected to said welding circuit at opposite sides of the arc and a coil in the relay circuit controlling said electrode feed mechanism control circuit, an auxiliary circuit connected with said electrode feed mechanism control circuit, and means within said auxiliary circuit under control of the relay circuit for preventing an excess current from reaching said clutch.

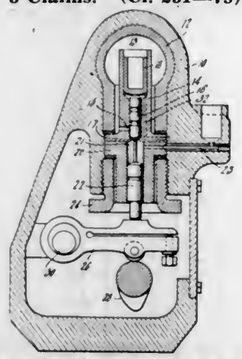
2,073,604

FUEL DISTRIBUTING VALVE

Louis Beeh, Longmeadow, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York

Application January 12, 1935, Serial No. 1,490

3 Claims. (Cl. 251—75)



1. In a fuel injection engine; a fuel distributing valve, said valve including a cylindrical member reciprocative in a bore having a lateral passage adapted to communicate with a source of fluid under pressure, said bore having a reduced portion spaced from said lateral passage and providing a stop for said cylindrical member; actuating means for said valve including a plunger; a second bore of larger diameter than said cylindrical member in which said plunger reciprocates; a discharge passage leading from said second bore; and a stem connecting said plunger and said cylindrical member of lesser diameter than the reduced portion of said bore, whereby when said valve is in open position fluid flows from said source through said lateral passage, said first mentioned bore, said reduced portion, said second bore and thence to said discharge passage, and whereby upon closure of said lateral passage further movement of said plunger reduces the pressure in said discharge passage.

3. In a fuel injection engine, a distributing valve, said valve including a cylindrical member, a bushing having a bore in which said member reciprocates, a passage adapted to communicate with a source of fluid under pressure opening into said bore and positioned to be opened during an intermediate portion of the stroke of said valve, a second cylindrical member of larger diameter than said first cylindrical member, a second bushing providing a second bore in which said second cylindrical member reciprocates, means for actuating said members, means providing communication between said passage and said second bore after a predetermined movement of said valve in one direction, and a discharge passage communicating with said second bore at a point beyond the innermost position of said second cylindrical member.

2,073,605

CONSTRUCTION OF INTERNAL COMBUSTION TURBINES

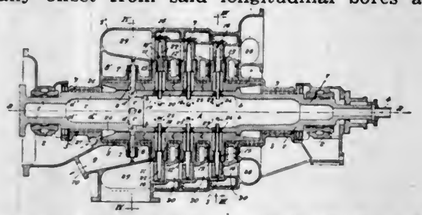
Giuseppe Belluzzo, Rome, Italy

Application March 29, 1935, Serial No. 13,775

In Italy February 21, 1935

4 Claims. (Cl. 60—41)

1. In a turbine driven by high temperature combustion products, a rotor comprising a hollow shaft communicating with a source of cooling liquid, said shaft having a median bore and bore of smaller diameter at opposite ends of said median bore respectively, means for forcing said cooling liquid axially into one of said smaller bores whereby a thin layer thereof will be formed under centrifugal action around the median bore of said shaft, means in the opposite one of said smaller bores for discharging excess liquid from said shaft, a series of impellers mounted on said shaft and comprising respectively a hub portion, and impeller blades projecting radially from the hub portions, each blade having a longitudinal central bore therein, and said hub portion having therein three circular chambers extending side by side radially of said shaft around the same, the two outer circular chambers being laterally offset from said longitudinal bores and



communicating at their outer edges with said bores and at their inner edges with the interior of said shaft, whereby cooling liquid may be forced from said shaft into said longitudinal bores through said chambers, and a plurality of nipples projecting from the inner wall of said shaft toward the axis thereof and establishing communication between the central one of said chambers and the interior of said shaft beyond the layer of liquid therein, said central chamber being in the axis of the longitudinal bores and communicating at its outer edge with said bores, whereby steam generated within said bores by said high temperature combustion products may be discharged into the interior of said hollow shaft through said central chamber.

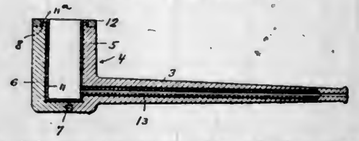
2,073,606

TOBACCO SMOKING PIPE

Leon A. Cardin, Pawtucket, R. I.

Application May 31, 1935, Serial No. 24,427

1 Claim. (Cl. 131—12)



In a tobacco smoking pipe of the class described, a main bowl composed of hingedly connected companion sections, one of said sections being provided with an integral laterally directed bored smoke conducting stem, both of said sections being formed adjacent their upper entrance ends with complemental semi-circular upstanding flanges defining a concentric centralized retention annulus, said annulus constituting a continuation of the mouth portion of the receptable of said bowl and defining radially and outwardly of said annulus a flat-faced clamping ring seat, a removable liner unit of light weight disposable fireproof material comprising a temporary tobacco receiving bowl to fit in the first-named main bowl, said temporary bowl having a channel-shaped retention annulus at its upper end engaging over said retention annulus, said temporary bowl being further provided with a tubular protective sleeve fitting into the bore of said stem to serve as a temporary

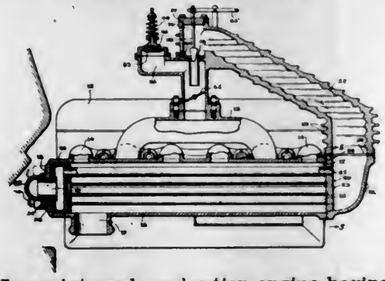
liner for the wall of the bore, and a clamping ring of an external diameter corresponding with the outside diameter of said main bowl, said ring being seated firmly on said seat and being of a cross-sectional dimension substantially equal to the height of said channel-shaped retention annulus whereby the upper surfaces of the ring and the channel-shaped annulus are flush.

2,073,607

MEANS FOR GENERATING GASEOUS FUEL ADMIXTURES

Manly E. Carroll, Miami, Fla., assignor to The Universal Generators Corporation, Inc., Miami, Fla., a corporation of Florida

Application October 17, 1934, Serial No. 748,742
7 Claims. (Cl. 123—133)



7. In an internal combustion engine having an intake manifold, a carburetor, a conduit extending from said carburetor to said intake manifold, said conduit comprising a primary mixture passageway, a gasifier and a cooling unit, said gasifier including a series of tubes, means for directly heating said tubes by exhaust gases from the engine, said cooling unit being positioned between the gasifier and the intake manifold and provided with heat dissipating fins, a pipe extending downwardly from the outlet end of the cooling unit to the intake manifold and forming part of said conduit, a restricted tube projecting from the outlet end portion of the cooling unit into said pipe, a needle valve for controlling the flow of fluid through the last-mentioned tube, means including a valve operable by the suction of the engine for leading secondary air into the pipe between the outlet end of the cooling unit and the outlet end of the last-mentioned tube, and a throttle valve in the pipe between the last-mentioned tube and the intake manifold.

2,073,608

MANIFOLD FOR INTERNAL COMBUSTION ENGINES

Manly E. Carroll, Miami, Fla., assignor to Universal Generators Corporation, Inc., a corporation of Florida

Application November 20, 1935, Serial No. 50,779
1 Claim. (Cl. 123—122)



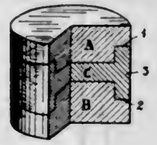
A combination manifold comprising an elongated hollow casting of substantially box section having a top member, a bottom member, side walls and ends, a web of less length than the casting arranged within the same and connecting one of said members to one of the side walls, transverse webs positioned within the casting and rigidly united with the ends of the first-mentioned web, said webs dividing the interior of the casting into segregated intake and exhaust gas passageways, an exhaust gas conduit extending through the intake passageway and having its ends connected to the transverse webs and communicating with the exhaust gas passageway, intake nipples projecting from the first-mentioned web through the opposite side wall of the casting for leading a heated explosive mixture from the intake passageway, a port for introducing an explosive mixture into said intake passageway, other nipples projecting from the last-mentioned side wall of the casting for introducing hot exhaust gases into the exhaust gas passageway, some of said last-mentioned nipples leading into the exhaust gas passageway at points between the transverse webs and the ends of the casting, and others of the last-mentioned nipples being arranged to direct hot exhaust gases against the first-mentioned web, and means for discharging exhaust gases from the exhaust gas passageway.

2,073,609

WAD FOR FOWLING-PIECES

Marie Rose Court, Paris, France

Application September 17, 1935, Serial No. 40,956
In France September 17, 1934
3 Claims. (Cl. 102—42)



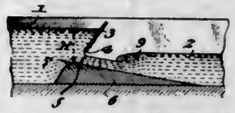
1. An improvement in wads for fowling-pieces comprising a three-ply laminated wad, the upper and lower plies being formed of cork, the intermediate ply being formed of a resilient material, the thickness of said upper and lower plies being smaller near the edge and larger near the center thereof, said intermediate ply shaped to fit snugly between said upper and lower plies so that pressure exerted on the outer faces of said upper and lower plies will cause said intermediate ply to expand without change of position.

2,073,610

CONTROLLING FLUME

Pierre François Danel, Grenoble, France, assignor to Ateliers Neyret-Beyller & Piccard-Pictet, a corporation of France

Application September 29, 1934, Serial No. 746,173
In France September 30, 1933
7 Claims. (Cl. 61—14)



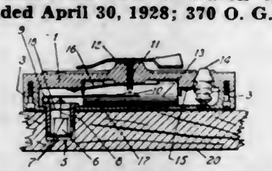
1. A control flume comprising side and bottom walls, a sill of substantially triangular form in vertical cross-section extending across the bottom of said flume between the side walls, said sill having one inclined surface facing upstream and another inclined surface facing downstream, and a partition extending between said side walls and inclined to the vertical with its upper edge further downstream than the lower edge, said partition having its lower edge spaced above and slightly downstream of the apex of the sill to form a flow orifice therebetween.

2,073,611

INSTRUMENT FOR MEASURING MOISTURE

Matthew Elbridge Dunlap, Madison, Wis., dedicated to the free use of the People of the United States of America

Application October 20, 1936, Serial No. 106,540
2 Claims. (Cl. 73—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



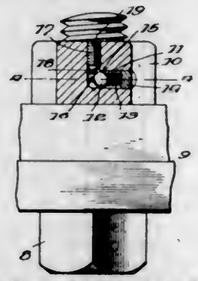
1. An instrument of the character described, comprising a moisture sensitive element, means connected to and actuated by said moisture sensitive element, a screw adapted to make and break contact with said means, a pointer attached to one end portion of said screw, a scale over which the pointer moves, an electrical circuit including a signal, said circuit being closed when said screw makes contact with said means.

2,073,612

NUT LOCK

Angel C. Favatt, Reno, Nev., assignor to Positive Lock Nut Corporation, a corporation of Nevada

Application September 21, 1935, Serial No. 41,617
2 Claims. (Cl. 151—25)



1. In combination with a nut and bolt, the nut having a recess beginning at one face of the nut and extending parallel to the bore of the latter, said recess continuing at right angles tangentially to the nut bore in communication with the latter, a yieldable bolt engaging spherical detent mounted in the tangential portion of said recess, and a screw mounted in the portion of the recess which parallels the nut bore, the inner end of the screw being cone shape to facilitate its movement over the periphery of the detent, said detent being positioned in offset relation with reference to the screw to permit lateral displacement of the detent away from the bolt.

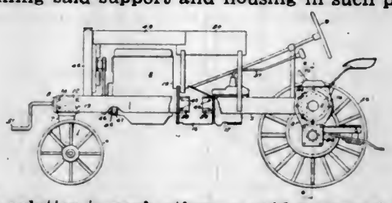
2,073,613

MOTOR VEHICLE

Conrad E. Frudden, Wauwatosa, and Walter F. Strehlow, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application June 13, 1935, Serial No. 26,352
10 Claims. (Cl. 180—54)

1. In a motor vehicle, a support, a drive shaft arranged in angularly fixed relation to said support, a housing, a power shaft arranged in angularly fixed relation to said housing, coupling means between said shafts, frame members of rolled stock extending longitudinally of the vehicle at opposite sides thereof, each of said frame members having rearward and forward mounting surfaces accurately shaped thereon in predetermined relation to each other and engaged, respectively, by said support and housing, and means for retaining said support and housing in such positions relative to each other on said rearward and forward mounting surfaces of said frame members as to insure true alinement of said power shaft with said drive shaft independently of any other connections between said support and housing.

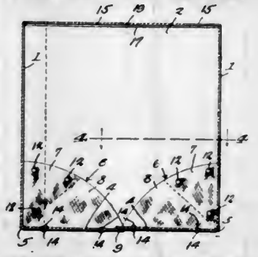


2,073,614

BREAD BOX

Fernande Leona Gamache, Burlington, Vt.

Application March 19, 1936, Serial No. 69,708
2 Claims. (Cl. 229—41)



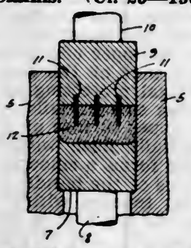
1. A box comprising oppositely-disposed sides and oppositely-disposed ends hingedly and foldably connected to the sides, bottom flaps hingedly and foldably connected to the sides, flexible members connected throughout limited areas to the inner surfaces of the ends, adjacent to the sides, and having free portions disposed above the bottom flaps, the flexible members being extended out of the box between the ends and the bottom members and being extended upon and secured to the lower outer surfaces of the bottom members, thereby to take the external wear imposed on the bottom members.

2,073,615

METHOD FOR THE PRODUCTION OF TILES

Walden G. Johnson and Richard C. Zapfe, Pomona, Calif., assignors to Pomona Tile Manufacturing Company, Pomona, Calif., a corporation of California

Application June 17, 1935, Serial No. 27,008
2 Claims. (Cl. 25—156)



1. The method of forming a roughened cement bonding surface on the interior of a ceramic

article molded from a dust body which comprises placing the dust body in a matrix, forcing into said body under pressure a plurality of wedges attached to a die, and then breaking off portions of the body interposed between said wedges by the withdrawal of said wedges from the matrix.

2,073,616

GALACTAN PRODUCT AND PROCESS OF MAKING SAME

Solomon F. Acree, Washington, D. C., assignor to Arthur B. Foster, Washington, D. C.

No Drawing. Application July 15, 1927, Serial No. 206,051. Renewed June 10, 1936
32 Claims. (Cl. 127—30)

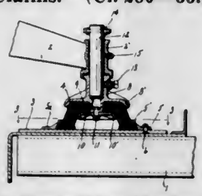
1. A substantially dehydrated galactan from western larch wood freed from tannins, oils, bark and colloids but containing some of the other soluble materials from the western larch.

2,073,617

TRACTOR HITCH

Arthur P. Armington, Willoughby, Ohio, assignor to The Euclid Road Machinery Company, Euclid, Ohio, a corporation of Ohio

Application December 7, 1934, Serial No. 756,501
6 Claims. (Cl. 280—33.1)



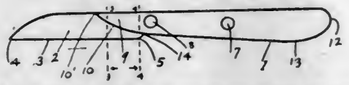
3. In combination with a tractor and a trailer therefor having a rigid drawbar adapted to support part of the trailer load, hitch means for said vehicles comprising resilient means peripherally secured on said tractor, an upright post centrally mounted on said resilient means, said trailer drawbar being mounted on said post to permit steering motion thereabout, said peripheral securing for said resilient means being arranged to release the latter by excess angular displacement between said vehicles other than about said post, but permitting a limited amount of said displacement.

2,073,618

PARING KNIFE

Russell P. Askue, Larchmont, N. Y.

Application August 4, 1934, Serial No. 738,453
3 Claims. (Cl. 30—9)



1. A paring knife comprising a blade having a cutting heel, a fastening tang and a substantially straight upper edge and a handle also having a substantially straight upper edge and secured to said tang with its upper edge substantially flush with the upper edge of the blade, said handle having an integral protecting and guiding projection extending substantially beyond said cutting heel, the upper surface of which projection is also substantially flush with the upper edge of the blade and forms a smooth continuation of the upper surface of the handle, said handle and projection being tapered within the vicinity of the projection and the heel to clear the heel for use as a paring edge and to guide the parings past the handle part, with the under surface of the tapered part being slightly convex.

2,073,619

PROCESS OF PRODUCING TRANSFORMATION PRODUCTS OF ACRYLIC ACID OR ITS DERIVATIVES

Walter Bauer and Adolf Gerlach, Darmstadt, Germany, assignors, by mesne assignments, to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application December 19, 1928, Serial No. 327,173. Renewed March 20, 1934. In Germany January 24, 1928
8 Claims. (Cl. 260—2)

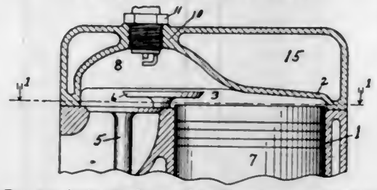
8. The process which comprises polymerizing an ester of acrylic acid in the presence of a substance which will split off oxygen in the reaction.

2,073,620

INTERNAL COMBUSTION ENGINE

George M. Bicknell, St. Louis, Mo., assignor to Waukesha Motor Company, Waukesha, Wis., a corporation of Wisconsin

Application June 17, 1929, Serial No. 371,534
2 Claims. (Cl. 123—191)



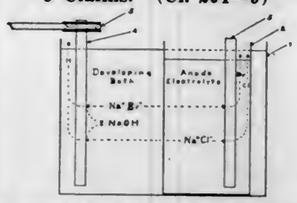
1. In an internal combustion engine of the L-head type, a combustion chamber having inlet and exhaust valves opening into the said chamber, said chamber having a portion of great depth adjacent the inlet valve and a portion of less depth adjacent the exhaust valve, said portions of the combustion chamber being in direct communication, said chamber having a third portion of less depth than that portion adjacent the exhaust valve, said third portion being directly adjacent the piston of the engine when it is at the top of its stroke, the cylinder roof overlying said third portion being inclined upward toward and merging into the roof of said first portion and the roof of said second portion, the roof of said second portion being inclined upward toward said first portion and merging into the adjacent wall of the latter.

2,073,621

METHOD OF REMOVAL OF EXCESS HALIDES FROM PHOTOGRAPHIC DEVELOPING BATHS

Jesse M. Blaney, Amityville, N. Y.

Application October 6, 1933, Serial No. 692,371
9 Claims. (Cl. 204—9)



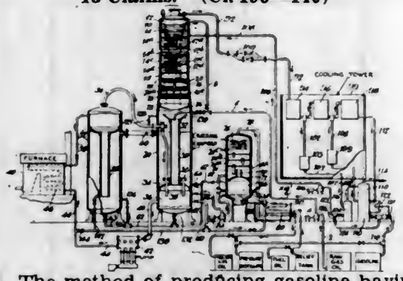
2. The method of regenerating photographic developing solutions which have become oxidized through use, which comprises electrolyzing the oxidized solution in a diaphragm cell, the developing solution being in the cathode compartment of the cell.

2,073,622

PROCESS AND APPARATUS FOR REFINING MINERAL OILS

David G. Brandt, Westfield, N. J., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware

Original application July 23, 1926, Serial No. 124,320. Divided and this application January 30, 1934, Serial No. 708,935
13 Claims. (Cl. 196—140)



1. The method of producing gasoline having a desired end boiling point, which comprises cracking a relatively high boiling point hydrocarbon oil at a suitable cracking temperature, subjecting the vapors produced by cracking said oil to controlled refluxing conditions in a dephlegmating zone to thereby condense the high boiling point constituents in said vapors, passing the uncondensed vapors having substantially the desired end point for gasoline from said zone through a series of condensing zones of decreasing temperature in each of which a portion of said uncondensed vapors is condensed, separately withdrawing the condensate formed in each zone, cooling and introducing into the dephlegmating zone gasoline condensate formed in the highest temperature zone of said series of condensing zones unmixed with any of the other of said condensates to thereby control the end point of the vapors discharged from said dephlegmating zone.

2,073,623

SUBMERGIBLE PUMP AND TRANSMISSION UNIT

Charley C. Brown, Ponca City, and Samuel N. Van Wert and Armais Arutunoff, Bartlesville, Okla., assignors to Reda Pump Company, Bartlesville, Okla.

Original application September 15, 1933, Serial No. 689,532. Patent No. 2,032,000 dated February 25, 1936. Divided and this application October 14, 1935, Serial No. 44,948
4 Claims. (Cl. 103—46)



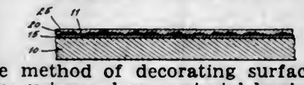
1. A transmission mechanism for transforming the rotary movement of an electric motor shaft into reciprocating movement for operating a pump, comprising a supporting frame, a housing surrounding said frame, a rotary driving shaft extending axially into one end of said housing, a pair of cross heads reciprocably mounted in suitable guideways provided in the opposite end of said frame, a crank gear in said frame, connecting rods operatively connecting said cross heads with said crank gear, a series of gears operatively connecting said driving shaft with said crank gear, and pump stems eccentrically mounted on said cross heads for operating said pump.

2,073,624

METHOD OF DECORATING METALLIC SURFACES

Lloyd V. Casto, Detroit, Mich.

Application March 16, 1935, Serial No. 11,496
14 Claims. (Cl. 41—26)



8. The method of decorating surfaces which comprises using a base material having a substantially uniformly metallically bright surface, applying to said surface a coating of lacquer or varnish, drying said coating, applying to said coating an offset transfer design, varying throughout in tonal densities, applying over the transfer design a finishing coating of lacquer or varnish, and controlling the general color effect of the entire surface being decorated, by incorporating in one of said coatings sufficient coloring matter to subdue the light-reflecting characteristics of the metallically bright surfaces of the base material.

10. As an article of manufacture, a base having a light reflecting metallic surface, a translucent color material layer overlying the same, and an open contrasting design of varying opacity embedded in the said layer, said layer and the design cooperating to conceal the metallic surface to such extent that it is not identifiable by inspection through said layer and design as metallic although functioning to reflect light through said layer.

2,073,625

VENEREAL PROPHYLACTIC

Sewell M. Corbett, Fort Bragg, N. C.

No Drawing. Application November 23, 1933, Serial No. 699,431
3 Claims. (Cl. 167—58)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A venereal prophylactic comprising a soap, the strength of the latter being sufficiently effective as an injection and unguent against the micro-organisms responsible for syphilis, gonorrhea and chancroid, but non-irritating to the surface treated, and a hygroscopic and cell stimulating base adapted to carry the soap into intimate contact with the invading organisms, said base including glycerine and water, the soap and base being soluble in the glandular secretions of the urethral canal.

2,073,626

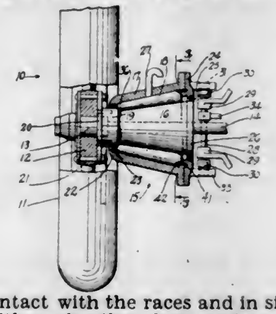
BRAKE

Raymond de Filippis, Brooklyn, N. Y.

Application May 15, 1933, Serial No. 671,017
15 Claims. (Cl. 188—80)

1. A brake including inner and outer concentric races and rollers between the races, the latter and the rollers being each of conoidal shape and having their larger diameters adjacent to one end of the brake, the races being axially movable rel-

atively to each other for exerting a bearing stress on the rollers, the rollers when so stressed being



each in contact with the races and in side by side contact with each other for counteracting frictional engagement therebetween.

2,073,627

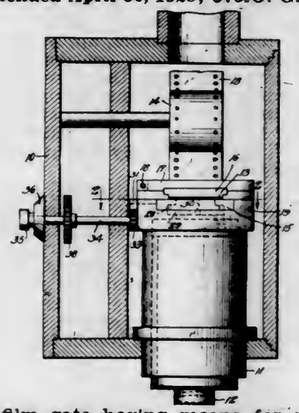
ADJUSTABLE FILM GATE

Rupert H. Draeger, United States Navy

Application May 9, 1935, Serial No. 20,612

11 Claims. (Cl. 95—65)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A film gate having means for permitting exposures of different lengths of film, and consisting of two film gate pieces in the same plane in cooperative light-tight slidable engagement with each other.

2,073,628

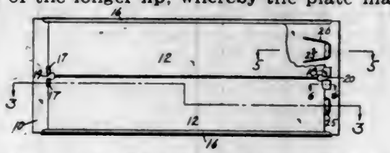
ADDRESS PLATE

Charles E. Ellis, Reading, Pa., assignor, by mesne assignments, to Addressograph - Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application January 8, 1934, Serial No. 705,718

18 Claims. (Cl. 101—369)

14. The combination of a printing plate and a frame adapted to carry the same, the frame having two raised lips spaced apart and adapted to overhang opposite ends of the plate respectively, each lip being connected with the frame by an offset portion of the frame adapted to be abutted by the corresponding end of the plate, the plate having a length slightly greater than the distance between said lips, but less than the distance between said offset connections, one lip being longer in the direction of the length of the plate than the other lip, and a spring tongue on the frame having an abutment in a region in substantial transverse alignment with said longer lip and adapted to engage the plate to prevent its shifting into engagement with the offset connection of the longer lip, whereby the plate may be



held simultaneously beneath both lips but may clear one of them by longitudinally shifting when allowed by the depression of the spring tongue.

2,073,629

TREATMENT OF TEXTILE MATERIALS

George Holland Ellis, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 6, 1933, Serial No. 692,431. In Great Britain October 19, 1932

4 Claims. (Cl. 28—1)

1. Process for reducing the lustre of textile materials of organic derivatives of cellulose, which comprises uniformly impregnating the materials with diphenyl, and thereafter subjecting the impregnated materials to the action of a hot aqueous medium.

2,073,630

LIQUID WATERPROOFING COMPOSITION OF MATTER AND METHOD OF MANUFACTURE

John Herman Gardthausen, Long Island City, N. Y., assignor, by mesne assignments, to Drigard Products Corporation, a corporation of Delaware

No Drawing. Application December 15, 1934, Serial No. 757,609. Renewed June 2, 1936

8 Claims. (Cl. 134—17)

1. A translucent liquid waterproofing composition of matter consisting of approximately 7.5% hydrogenated fish oil, 2.5% rubber and 90% light hydrocarbon solvents.

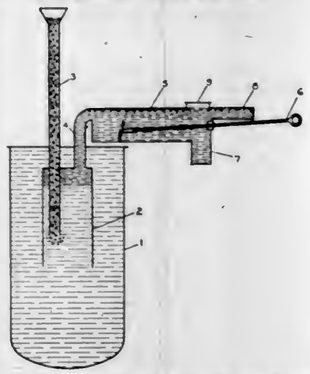
2,073,631

METAL RECOVERY

Harvey N. Gilbert, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Original application August 15, 1935, Serial No. 36,360. Divided and this application April 9, 1936, Serial No. 73,407

3 Claims. (Cl. 204—21)



1. A process for the production of a light metal comprising electrolyzing a molten mixture comprising a salt of said light metal and a salt of at least one other light metal having a limited solubility in the light metal to be produced, filtering the crude product of electrolysis to recover the desired light metal in substantially pure form, reacting the filtration residue with a fused salt separating bath comprising a salt of said desired metal, separating said desired metal from said bath and subjecting the resulting salt mixture, together with added salt of said desired metal, to fused salt electrolysis.

2,073,632

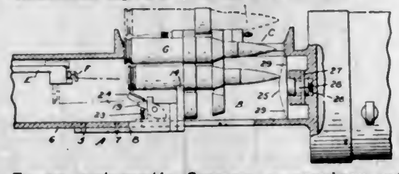
CARTRIDGE FEEDING MECHANISM FOR AUTOMATIC GUNS

Samuel G. Green, Gray, Ga.

Application March 7, 1934, Serial No. 714,445

8 Claims. (Cl. 89—33)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an automatic firearm, a receiver casing having a transverse cartridge feed channel, a yieldingly mounted plate in the front wall of the channel, a cartridge stop member disposed in the channel, a pair of spaced stop surfaces on said member, a pawl pivotally mounted in said member and having a lip on its rear end for engaging the groove of a cartridge case, a spring normally holding the pawl at an angle to the longitudinal axis of the firearm with its lip beyond the stop surfaces and in the path of movement of a cartridge moving across the feed channel.

2,073,633

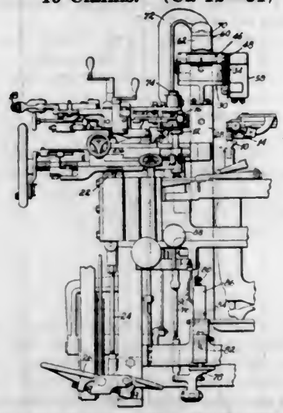
MEANS FOR PRESSING THE BOTTOMS OF SHOES

Chester W. Greene, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application May 17, 1935, Serial No. 22,051

In Great Britain April 3, 1935

19 Claims. (Cl. 12—51)



1. In means for pressing the bottoms of shoes, a device for applying pressure and heat to the bottom of a shoe after lasting but before an outsole is applied to the shoe, said device having a heated metallic shoe-pressing portion arranged to receive a shoe presented by the operator with the lasted margin of the upper in engagement therewith, and means movable by the operator into engagement with the shoe to press it upon said device after it has been thus presented.

2,073,634

IMPREGNATING COMPOSITION

Olaus T. Hodnefield and Warren W. Shartel, Los Angeles, Calif.; said Shartel assignor to said Hodnefield

No Drawing. Application August 7, 1930, Serial No. 473,768. Renewed August 31, 1934

7 Claims. (Cl. 134—78.6)

1. An impregnating composition, comprising the reaction product of a solution of ammonium sulphate, ammonium phosphate, boric acid, colemanite, sodium fluoride, carbolic acid, mercuric chloride, zinc chloride, barium hydroxide, aluminum ammonium sulphate, tin chloride and copper sodium alginate.

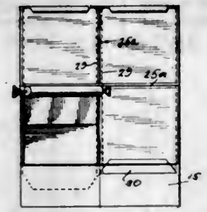
2,073,635

COMPARTMENT TRAY FOR PACKAGING FOODS

Edward Holoubek, Roy, Mont.

Application September 1, 1934, Serial No. 742,501

1 Claim. (Cl. 220—22)



In a compartment tray for packaging foods of different kinds to constitute a complete meal, a tray body, a liner in the tray having four corner compartments, a liner cover having crossed grooves to receive the upper edges of the crossed compartment walls, a cover for the tray having edge flanges hermetically sealed to the tray, and crossed grooves registering with the liner cover grooves to seal the compartments against communication, the tray cover having tearing weakened lines at opposite sides of each compartment and at each side of the interfitting connection and a tongue extension on the tray cover at the outer end of each compartment adapted to receive a key for tearing and rolling a strip from the cover to expose a compartment without destroying the interfitting connections.

2,073,636

COMPARTMENT CAN FOR PACKAGING FOODS

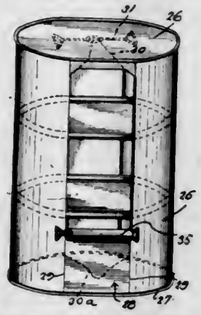
Edward Holoubek, Roy, Mont.

Application September 1, 1934, Serial No. 742,502

1 Claim. (Cl. 220—20)

In a compartment can for packaging foods, a tubular can body having diametrically opposite curved walls and intervening flattened wall portions extending longitudinally of the can, partitions in the can body dividing the same into non-communicating compartments, the marginal edges of the partitions having sealing engagement with the can body and relatively shiftable in the can body for varying the relative areas

of the compartments, a weakened tearing line at each point of mergence of the flattened and curved wall portions of the can and a tongue extension on opposite ends of the respective flat-



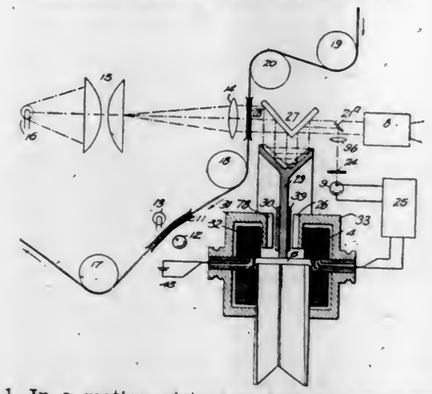
tened portions normally extending over the adjacent end of the can whereby a key may be employed for tearing and rolling a flattened portion from either end of the can for exposure of the compartment.

2,073,637

MOTION PICTURE SYSTEM UTILIZING CONTINUOUSLY MOVING FILM

Frederick W. Hoorn, Washington, D. C.

Application December 7, 1934, Serial No. 756,432
8 Claims. (Cl. 88—16.8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



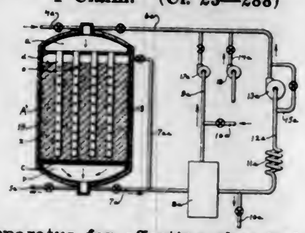
1. In a motion picture system for projecting a fixed image on a distant surface from an image carried on a continuously moving film; a rotating body provided with a reflecting surface, so formed that a uniform rotation of said body effects a uniform rate of displacement of the light beam carrying the picture image and incident on said surface, said displacement being effected while keeping constant the angles of incidence and reflection of said light beam with said surface; a mechanism for driving said rotating body, comprising a magnetic circuit; a mechanically driven rotating element forming a part of said magnetic circuit, said mechanically driven element being provided with alternate slots and teeth for varying the field strength at points adjacent to the said slots and teeth; a rotary conducting element adjacent to said slots and teeth and cutting the lines of force of said magnetic circuit, and a coil for energizing said magnetic circuit; light sensitive means for energizing said coil in accordance with the light incident on said means; and a track formed on said film, said track being provided with areas for varying the light transmission to said light sensitive means in accordance with the position of the image on said moving film.

2,073,638

APPARATUS FOR REGENERATION OF CONTACT MASSES

Eugene J. Houdry, Paris, France, assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware

Application April 13, 1932, Serial No. 604,997
1 Claim. (Cl. 23—288)



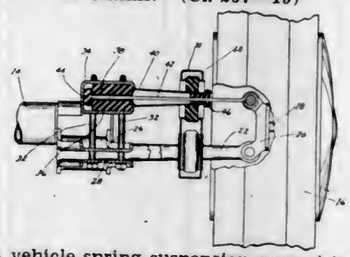
In apparatus for effecting chemical reactions by the aid of a regenerative contact mass, in combination, a case having a contact mass therein, and regenerating means for said mass providing a circuit including said case, an impeller in said circuit, stage heat extracting means and liquid trapping means in said circuit on the suction side of said impeller including a waste heat boiler, means connected into said circuit on the other side of said impeller for sending a constant volume of an oxidizing medium into said case, means for controlling the quantity of cooled fumes recirculated by said impeller including a vent for the circuit at a point which will enable said impeller to put said case under a partial vacuum but will not interfere with the supplying of the constant volume of oxidizing medium, and means for sending steam from said waste heat boiler and from an outside source into said circuit between said connection for the oxidizing medium and said case.

2,073,639

SPRING SUSPENSION

Victor W. Kliesrath, South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill., a corporation of New York

Application January 10, 1934, Serial No. 705,989
15 Claims. (Cl. 267—19)



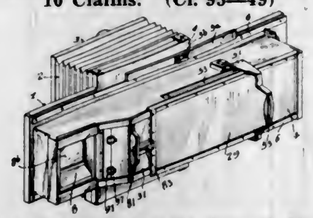
1. A vehicle spring suspension comprising parallel pivoted wheel-carrying devices, at least one of which includes a tubular arm yieldingly mounted at one end and a spring member arranged therein and secured to said end and having yielding means spacing it from the mouth of said tubular arm and which projects from said arm to form a part of the wheel-carrying devices.

2,073,640

CAMERA

Thor Lauritz, Los Angeles, Calif.

Application July 27, 1935, Serial No. 33,500
10 Claims. (Cl. 95—49)



1. In a magazine camera for cut-film, means for supporting films in position to be exposed, means for ejecting exposed-films from said supporting means, the latter comprising a wall having an aperture therein through which exposed-films are ejected, a magazine for receiving exposed-films ejected through said aperture, said magazine comprising a detachable container having an opening in one end for receiving films with door means for closing said opening, means for releasably attaching said magazine to said camera in operative relation thereto with said opening on the magazine juxtaposed to said aperture, and means responsive to movement of said magazine into said operative relation to said camera for opening said door means and responsive to removal of the magazine from the camera for closing said door means.

2,073,641

LUBRICATING OILS

Leo Liberthson, New York, N. Y., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application October 2, 1934, Serial No. 746,514
5 Claims. (Cl. 87—9)

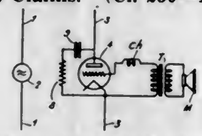
1. A product comprising a lubricating oil having a pour point caused by wax therein, and up to about 10% of the unsaponifiable constituent of a polymerized oil of potency sufficient to appreciably reduce the normal pour point of said lubricating oil, said polymerized oil being prepared by the action of a silent electrical discharge, said product being substantially non-emulsifiable.

2,073,642

ULTRASHORT WAVE MODULATED CARRIER WAVE RADIO COMMUNICATION SYSTEM

Alfred Aubyn Linsell, London, England, assignor to Radio Corporation of America, a corporation of Delaware

Application January 13, 1934, Serial No. 706,516
In Great Britain January 17, 1933
9 Claims. (Cl. 250—17)



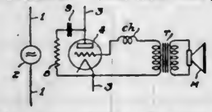
1. An ultrashort modulated carrier wave radio transmitting system comprising a transmitting aerial, means for energizing said aerial with unmodulated energy at an ultrashort wave length whereby said aerial radiates said energy, and an auxiliary conductor interposed in the path of the energy radiated from said aerial, said auxiliary conductor comprising two conductive portions connected together by a thermionic valve, and means for varying the internal impedance of said valve in dependence upon modulating potentials.

2,073,643

ULTRASHORT WAVE MODULATED CARRIER WAVE RADIO COMMUNICATION SYSTEM

Alfred Aubyn Linsell, London, England, assignor to Radio Corporation of America, a corporation of Delaware

Original application January 13, 1934, Serial No. 706,516. Divided and this application December 31, 1935, Serial No. 56,851
8 Claims. (Cl. 250—17)



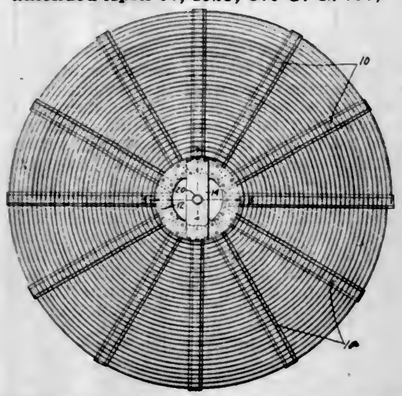
1. An ultrashort modulated carrier wave radio transmitting system comprising a transmitting aerial, means for energizing said aerial with unmodulated energy at an ultrashort wave length whereby said aerial radiates said energy, an auxiliary conductor interposed in the path of the energy radiated from said aerial, said auxiliary conductor comprising two conductive portions connected together by a thermionic valve, and means for varying the internal impedance of said valve in dependence upon modulating potentials, and means for preventing shunting effects due to the self capacities of said valve electrodes.

2,073,644

FILM HOLDER

George A. Magnus and John R. Whitacre, Dayton, Ohio

Application August 27, 1934, Serial No. 741,654
8 Claims. (Cl. 242—104)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. A structure of the character described comprising, a plurality of radial arms, a spirally-disposed web secured to said radial arms, said arms having inclined walls formed with slots within which the inner edge portions of said web are received.

2,073,645

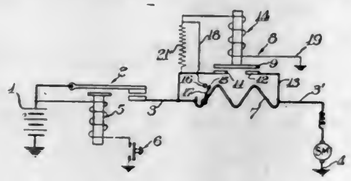
ENGINE STARTER CONTROL

Paul H. Maurer, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York

Application April 16, 1935, Serial No. 16,643
7 Claims. (Cl. 290—38)

5. In an electrical starting system for internal

combustion engines, a starting circuit including a resistor, means for short-circuiting said resistor responsive to a predetermined rise in temperature thereof including a magnetic switch and means for strongly energizing said switch to cause



closure thereof, such closure operating to permit the resistor to cool off and to cause weakening of the switch-closing means; and manually controllable means for maintaining said switch sufficiently energized to remain closed.

2,073,646

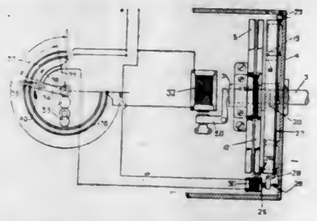
REVOLUTION COUNTER

Ralph G. Moody, United States Navy

Application October 2, 1933, Serial No. 691,979

4 Claims. (Cl. 235—104)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A revolution counter, comprising a shaft drivable at a rate having known relation to the rate of the shaft whereof the revolutions are to be counted, a first disk mounted thereon to rotate therewith but to be slidable longitudinally thereof, said disk having a laterally turned peripheral flange with teeth on the edge thereof, a second disk rotatably mounted on said shaft, said second disk having a laterally turned peripheral flange with teeth engageable with the teeth on the first disk and a laterally projecting lug on the side thereof opposite said flange, a spring between said disks tending to separate them, a plane helical spring connected to said second disk to move it in the direction opposite to the rotation of the first disk; a rotatable drum having revolution indicating marks on its periphery, ratchet teeth on the periphery of the drum so directed as to permit rotation thereof in the direction of rotation of said shaft and having a lug engageable by the lug on said second disk; a plane helical spring connected to said drum to rotate it in the direction opposite to the rotation of said shaft, means to engage said ratchet teeth to lock said drum against being rotated by said helical spring, means to move said first disk periodically into engagement with said second disk for a predetermined interval, and means to release said locking means during each period of engagement of said disks, said interval of release of the locking means being much less than the said period of engagement and terminating shortly before the termination of said engagement.

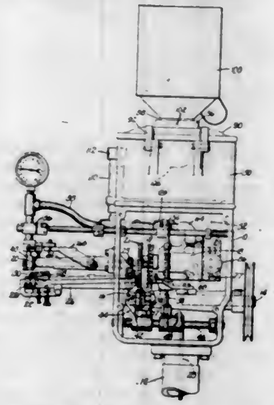
2,073,647

COATING APPLYING MACHINE FOR SHOE PARTS

Carl A. Newhall, Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application November 26, 1934, Serial No. 754,891

10 Claims. (Cl. 91—43)



1. In a machine for applying coating material, a tank to hold a supply of coating material, means for filling said tank comprising a hinged cover therefor, said cover having a filling opening, and means for attaching a supply can of coating material to the cover to seal the opening whereby the open can of coating material may be attached to the cover while the can is in upright position and then inverted with the cover to drain into the tank.

5. In a machine for applying coating material, a nozzle having a work contacting end provided with an open-sided recess, said nozzle having at least one passage through the nozzle and having its outlet opening within said recess, a flexible spreader associated with said nozzle adjacent to the open side of the recess, means for clamping said spreader to the nozzle, and means for holding the end of the spreader away from the nozzle in a position where it will drag on the work as relative movement is produced between the work contacting end of the nozzle and a piece of work.

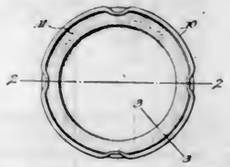
2,073,648

CONTAINER SEALING COMPOSITION

Cecil J. Parker, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Original application September 28, 1931, Serial No. 565,500. Divided and this application January 25, 1933, Serial No. 653,531

2 Claims. (Cl. 106—23)



1. A gasket for sealing containers consisting of rubber 30 to 35 parts, stearic acid substantially 2 parts, ceresin substantially 15 parts, a filler, and a vulcanizing agent.

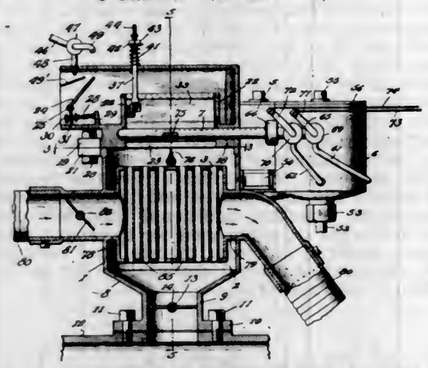
2,073,649

CARBURETOR

Charles D. Price, Baraboo, Wis.

Application March 19, 1935, Serial No. 11,853

5 Claims. (Cl. 261—14)



1. In a carburetor, a mixing chamber having an outlet at one end, a head closing the other end of the mixing chamber and formed with an opening constituting an inlet for the mixing chamber, a hood carried by said head for delivering air through the inlet into the mixing chamber, shutters pivotally mounted in the hood at opposite sides of the hood with their free ends extending toward the inlet, yieldable means normally holding said shutters in position to contact their free ends with each other and close the inlet, the shutters being movable away from each other in an opening direction by suction exerted through the mixing chamber, and a fuel nozzle extending across the inlet opening between said shutters and having an outlet opening formed through one side for discharging fuel against a shutter whereby the fuel will rebound from the shutter as a spray toward the other shutter and mix with incoming air when the shutters are open.

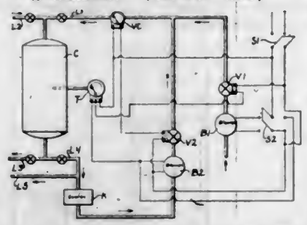
2,073,650

AUTOMATIC TEMPERATURE REGULATION OF CONTACT MASSES

Thomas B. Prickett, Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware

Application August 27, 1935, Serial No. 38,021

2 Claims. (Cl. 23—288)



2. In apparatus for effecting contacting actions including a casing providing a chamber, a contact mass within said chamber, and openings in said casing for admitting fluids to be treated and regeneration fluid and for withdrawing treated fluid and products of regeneration, the combination therewith of apparatus for use in carrying out regeneration and adapted to control automatically the temperature of said contact mass during regeneration comprising temperature responsive means positioned with relation to said casing so as to be responsive to changes in temperature of said contact mass, a supply duct for the active component of said regeneration fluid, adjustable means associated with said duct for increasing and decreasing the rate of flow therethrough, relay means connecting said temperature responsive means with said adjustable means and adapted to regulate the latter so as to decrease the rate of supply of active fluid with increases in temperature in the contact mass and to increase such rate with decreases in temperature therein, a supply duct for the inert component of said regeneration fluid, a flow regulator located in said last-mentioned duct, a conduit to which both of the aforesaid ducts are joined, said conduit being also joined to said casing in registering relation with the aforesaid opening for admitting fluids, a constant volume control device located in said conduit, said device being responsive to changes in rate of flow away from a predetermined desired rate, relay means connecting said volume control device to said flow regulator and adapted to effect such an adjustment in said flow regulator with each response in said control device as to maintain a substantially uniform rate of flow through said conduit.

2,073,651

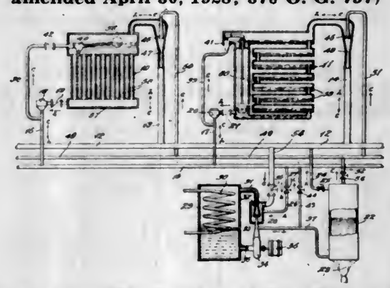
CONVERTIBLE HEATING AND COOLING SYSTEM

Bo Folke Randel, San Diego, Calif.

Application February 10, 1936, Serial No. 63,172

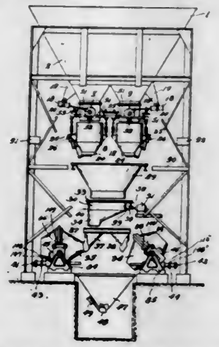
1 Claim. (Cl. 257—9)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



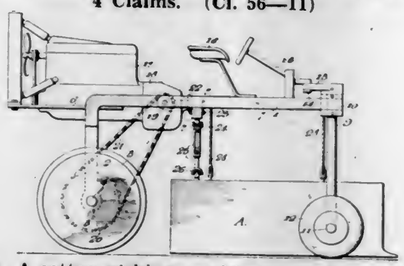
In a convertible heating and cooling system, the combination of a chambered temperature controlling element; a boiler for supplying heated vapor under pressure; a source of liquid refrigerant; an ejector for reducing the pressure within said element; valve means for establishing communication between said element and said boiler when the system is employed for heating purposes, and for interrupting the aforesaid communication when the system is employed for cooling purposes; valve means for establishing communication between said element and said supply of refrigerant and also between said ejector and said boiler under pressure to accelerate the rate of evaporation of the refrigerant, when the system is employed for cooling purposes, a condenser communicating with said element and said boiler; and an injector for withdrawing liquid of condensation and vaporized refrigerant from said element and forcing the same into said condenser; and a pump for operating said injector and for withdrawing liquid refrigerant from said condenser and forcing the same into said element when the system is employed for cooling purposes and for withdrawing liquid from said condenser and forcing the same into said boiler when the system is employed for heating purposes.

2,073,652
CENTRAL MIXING PLANT
John F. Robb, Cleveland Heights, Ohio
Application March 12, 1936, Serial No. 68,561
20 Claims. (Cl. 83—73)



1. In an aggregate proportioning plant of the class described, in combination, a plurality of multiple materials batchers, a source of supply of different materials for each of said batchers, control means for causing the materials to pass to each batcher from its source of supply, discharge means for said batchers, and instrumentalities for timing the passing of materials to and discharging the same from each batcher so that the cycles of operation of said batchers will be overlapped.

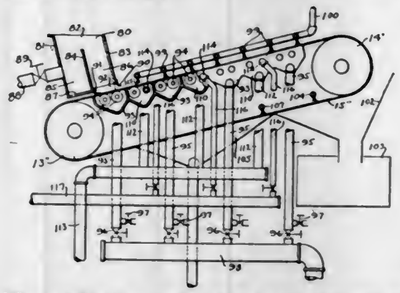
2,073,653
COTTON PICKING MACHINE
John D. Rust and Mack D. Rust, Memphis, Tenn.
Application October 10, 1935, Serial No. 44,412
4 Claims. (Cl. 56—11)



1. A cotton picking machine comprising a pair of picking units carried by a vehicle to pick cotton from two adjacent rows, said vehicle comprising a suitable frame, a pair of steering wheels supporting the front of the frame and spaced to straddle two rows of cotton plants, a traction wheel supporting the rear of said frame, a power plant carried by said frame, and power transmitting connections between said power plant and said traction wheel and said picking unit.

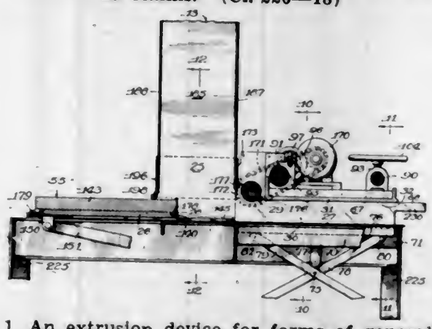
2,073,654
PAPER MANUFACTURE
Lloyd D. Smiley, Dayton, Ohio, assignor to The Smiley Industrial Filter Company, Dayton, Ohio, a corporation of Ohio
Application April 14, 1930, Serial No. 444,113
Renewed June 11, 1934
25 Claims. (Cl. 92—39)

1. In the manufacture of paper and the like, the method which comprises introducing a fibrous stock upon a perforate traveling member, the liquid in the stock draining through the perforate traveling member while the fibrous material is caught by the member to form a fibrous web thereon, moving the traveling member with the web thereon beneath a maintained pool of effluent and supporting the pool upon the formed web carried by the perforate traveling member, the liquid of the effluent draining through the web and the perforate member as the suspended solid materials of the effluent are caught by the web and filtered from the liquid, removing the perforate member with the web carried thereby out of the maintained pool of effluent, directing fluid jets upon the perforate traveling member to remove the formed web and filtered material therefrom, directing additional fluid jets upon the perforate traveling member to remove additional material adhering thereto, and returning the removed additional material to the pool of effluent to be refiltered.



7. The method of washing and thickening pulp stock, which comprises introducing pulp stock upon a traveling wire to form a mat thereon, moving the traveling wire with the mat carried thereby out of the mat forming zone, and subjecting the formed mat alternately to washing liquid sprays directed downwardly upon the mat and fluid jets directed upwardly through the wire to partitally dislodge the mat thereon while subjecting the mat to suction.

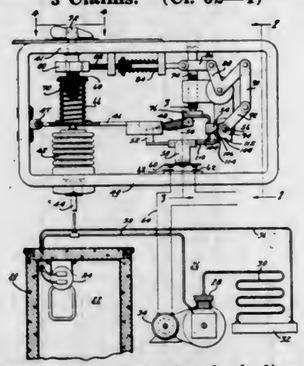
2,073,655
MANUFACTURE OF FIBER BAT AND MACHINE THEREFOR
Allen L. Spafford, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
Application January 8, 1935, Serial No. 858
19 Claims. (Cl. 226—18)



1. An extrusion device for forms of generally rectangular cross-sections comprising a series of four plates forming a spout, each plate in succession having an edge substantially abutting the adjacent plate in one direction around the spout, whereby the size of the orifice may be varied by sliding an abutting edge relative to the surface which it abuts and means for holding the plates in movable relation.

19. A machine having in combination a spout which is adjustable horizontally, means providing plunger action into and out of said spout in any position of adjustment of the spout, a hopper positioned to drop material therein before the plunger in its rearward position, said hopper covering the largest horizontal width of said spout, and a movable side wall inside said hopper forming an adjustable wall for said spout whereby its effective dimension at the discharge end corresponds substantially to the actual effective width of the spout.

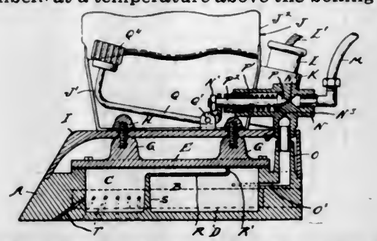
2,073,656
REFRIGERATING APPARATUS
Carl A. Stickel, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 31, 1934, Serial No. 750,869
3 Claims. (Cl. 62—4)



1. Refrigerating apparatus including an insulated compartment to be kept cool and a refrigerant evaporating means in heat exchange relation therewith for cooling the compartment, a refrigerant liquefying apparatus for supplying liquid refrigerant to the evaporating means and for withdrawing evaporated refrigerant therefrom, control means for controlling the starting and stopping of the liquefying apparatus according to predetermined high and low temperatures of the evaporating means, said control means including selective manually operable means having a plurality of operable positions, said selective means when in one operable position causing the starting and stopping of the liquefying means at freezing temperatures of the evaporating means and when in another operable position simultaneously causing the starting of the liquefying means at a higher temperature and causing the stopping of the liquefying means at a lower temperature than in said one position.

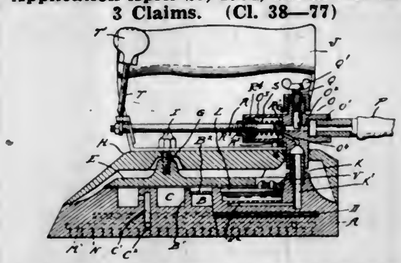
2,073,657
ELECTRICALLY HEATED STEAM LAUNDRY AND PRESSING IRON
Thomas Stockton, Detroit, Mich., assignor to Inventors' Products Company, Detroit, Mich., a corporation of Michigan
Application May 1, 1933, Serial No. 668,887
6 Claims. (Cl. 38—77)

2. A steam laundry and pressing iron comprising a body having a working face, a plurality of chambers above said face and a series of ports extending from one of said chambers to the working face of the iron, said ports entering said chamber through the side walls thereof in a plane above the bottom of the chamber, controlled means for introducing a limited quantity of water into another of said chambers, heating means for maintaining said body forming the walls of said chambers at a temperature above the boiling point



of water, a baffle plate extending above the chamber into which the water is introduced, said baffle plate terminating in proximity to one of the walls of said chamber so as to leave only a narrow slit therebetween for communication to the chamber from which the ports extend, whereby any entrained water mist will be vaporized during passage through said slit, and whereby any condensation in said first chamber will be trapped and prevented from entering said ports.

2,073,658
STEAM LAUNDRY AND PRESSING IRON
Thomas Stockton, Detroit, Mich.
Application April 25, 1934, Serial No. 722,390
3 Claims. (Cl. 38—77)

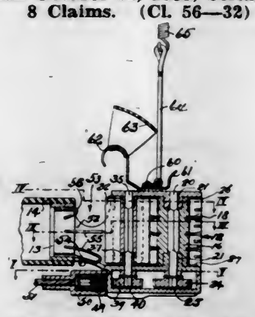


1. A steam laundry and pressing iron comprising a one-piece body having an ironing face, a steam generating chamber above said face and having a water inlet, and steam passages leading from said chamber through said body to the ironing face, an electrical heater embedded in said one-piece body adjacent said chamber and steam passages, and a thermostat also within said body adjacent said water inlet so as to be influenced by the presence or absence of water in said inlet for controlling said heater to maintain all portions of said body through which the steam passes at a predetermined temperature above the boiling point of water.

2,073,659
MEDICINAL COMPOUNDS
Ernest K. Stratton, San Francisco, Calif.
No Drawing. Application December 13, 1933, Serial No. 702,261
3 Claims. (Cl. 167—55)

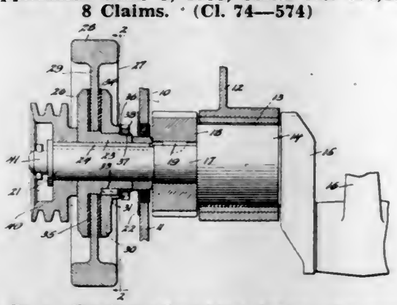
1. A liquid medicinal preparation including pepsin, rennin and papain, and a green color imparting dye which remains unaffected by these enzymes, and which comprises a combination of benzyl ethyl aniline sulphonic acid benzylaldehyde ortho sulphonic acid, and phenyl hydrazine-P.-sulphonic acid dioxytartaric acid.

2,073,660
HEAD FOR COTTON PICKERS
Louis C. Stukenborg, Memphis, Tenn.
Application October 21, 1935, Serial No. 45,868
8 Claims. (Cl. 56—32)



1. In a cotton picker, a picker head having an open mouth, picker brushes at said mouth, strippers mounted rearwardly of said brushes, guards extending partially across said mouth in front of said brushes, and a group of resilient fingers converging rearwardly, disposed within said head and rearwardly of said strippers, said head being apertured in proximity to said group of fingers whereby to permit access thereto for removal of bolls trapped by said fingers.

2,073,661
MOTOR VEHICLE
Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application June 5, 1933, Serial No. 674,460
8 Claims. (Cl. 74—574)

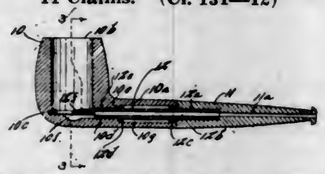


1. In a vibration absorbing device, the combination with a pair of relatively movable members, one of said members comprising two relatively displaceable elements, of deformable elastic means connecting each of said elements of the one member with the other member in such manner that relative displacement of said elements will place said deformable means under tension, and means associated with said elements for retaining the latter in such displaced relation to maintain the deformable means under tension.

2,073,662
COLOR COMPOUND
John M. Tinker, South Milwaukee, and Viktor M. Weinmayr, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 21, 1934, Serial No. 754,085
14 Claims. (Cl. 260—61)

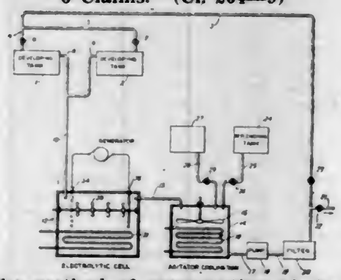
1. The process for preparing color compounds which comprises heating a high molecular cyclic ketone of the class consisting of an anthraquinone, a benzanthrone and an anthanthrone with a reducing metal for an extended period of time at temperatures above 280° C. but below 360° C.

2,073,663
TOBACCO PIPE CONSTRUCTION
Albert L. Vogel, Minneapolis, Minn.
Application November 18, 1933, Serial No. 698,649
11 Claims. (Cl. 131—12)



2. A pipe structure having in combination, a bowl with a stem attached thereto, a mouthpiece arranged to form a continuation of said stem and having a comparatively small draft passage therethrough, a chamber in said bowl for receiving tobacco, a comparatively large passage extending from said chamber into said stem and a larger passage extending outward in said stem some distance from said chamber forming a shoulder with said last mentioned passage and a tubular member secured in said mouthpiece insertable in said stem, the same having a comparatively small draft passage therethrough alining with said draft passage in said mouthpiece, said member having a shoulder thereon fitting against said shoulder to form a stop and having a portion fitting in said first mentioned passage and extending inwardly from said shoulder to said chamber and having a portion projecting into said bowl and spaced from the bottom thereof.

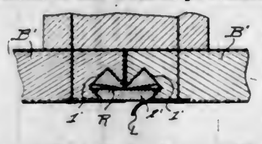
2,073,664
REGENERATION OF PHOTOGRAPHIC DEVELOPER SOLUTIONS
Louis Weisberg and Willard F. Greenwald, New York, N. Y., assignors, by mesne assignments, to said Willard F. Greenwald
Application September 9, 1933, Serial No. 688,821
6 Claims. (Cl. 204—9)



3. The method of regenerating photographic developer solutions which have become oxidized through use which comprises electrolyzing the oxidized solution in the cathode compartment of a diaphragm electrolytic cell with a potential of from about 6 to 12 volts, and while the solution is at a temperature of about 60° to 70° F.

2,073,665
WALLBOARD
Floyd D. Welch, Shreveport, La.
Application January 16, 1936, Serial No. 59,452
10 Claims. (Cl. 72—16)

1. In combination with the meeting edges of wall boards having grooves extending along their opposed edge faces, the side walls of the grooves extending inwardly of the boards on an incline, the outer side wall of each of the grooves terminating at a face of the board inwardly of its meeting edge, the inner walls of the grooves in the meeting portions of the boards providing a flange

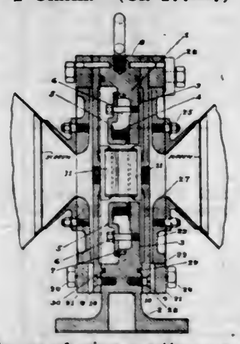


substantially V-shaped in form with its apex outwardly disposed, a filler of initially plastic material within said grooves of the meeting edges of the boards, and a metallic reinforcement within said grooves and embedded within the filler, said reinforcement providing means for holding the meeting edges of the boards in position.

2,073,666
METHOD OF HARDENING PROTEINS
Christian J. Wernlund, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 17, 1935, Serial No. 31,894
30 Claims. (Cl. 91—68)

11. A process comprising applying to the surface of a web of fibrous material an aqueous composition containing a protein, a relatively insoluble inorganic compound whose reaction product with an acid is a protein hardening agent, a volatile alkali in an amount sufficient to prevent substantial solution of said inorganic compound, and a compound capable of hydrolyzing to form an acid and subjecting the treated material to drying conditions.

2,073,667
SOUND PRODUCER
Robert Longfellow Williams, Newton, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application December 13, 1930, Serial No. 502,150
1 Claim. (Cl. 177—7)



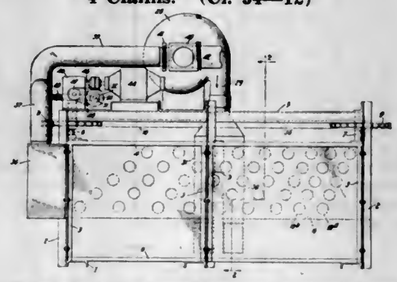
A device for producing continuous sound vibrations of large volume comprising a central circular base element forming a substantial part of the mass of the device and having parallel faces between which an element of a supporting member is connected to the base element, said base element also having an inwardly extending flange offset from the central plane of the base and provided with a central aperture, a pair of circular diaphragms, means for attaching a diaphragm on each of the parallel faces of the base element, a chamber being formed between each diaphragm and the flange of the base element, a pair of cooperating core elements one mounted at the center of each of the diaphragms and one of them extending through the aperture in the flange, a coil loosely surrounding said cores and means for fastening said coil to said flange.

2,073,668
POWER TRANSMITTING MECHANISM
Herbert A. Wilson, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 3, 1930, Serial No. 441,186
8 Claims. (Cl. 74—233)



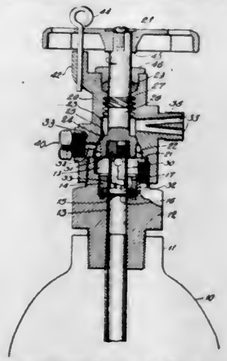
7. An endless, flexible belt composed of a substantially inextensible core having its axis substantially coincident with the neutral axis of the belt, and a reinforced rubber structure enclosing said core, the cross sectional area of the active driving portions of said belt resembling two truncated isosceles triangles extending in opposite directions from and symmetrical about a common base portion whose axis is substantially coincident with the axis of said core and the neutral axis of the belt, the inclined faces of each of said portions of truncated isosceles triangular cross section constituting a pair of driving surfaces disposed symmetrically about said neutral axis, and said driving surfaces at opposite sides of said base portion being adapted to traverse arcuate paths of opposite curvature, whereby the belt is caused to flex in opposite directions.

2,073,669
DRIER
Erich R. Zademach, Elizabeth, N. J., assignor to Metalwash Machinery Company, New York, N. Y., a copartnership consisting of Herman O. Boehme, Erich R. Zademach, and Albert C. Nolte
Application January 9, 1930, Serial No. 419,537
Renewed August 21, 1934
4 Claims. (Cl. 34—12)



1. In a drier, in combination, means forming a pair of open ended drier chambers arranged side by side, an endless conveyor for carrying articles in one direction into and out of one of the chambers and in the opposite direction into and out of the other, means for projecting air at high velocity upon the articles in the chambers, and individually controlled means for separately heating the air delivered to the two chambers, the conveyor being accessible for loading and unloading at both ends of the chambers.

2,073,670
DISCHARGE HEAD FOR FLUID CONTAINERS
Scott E. Allen, Glen Ridge, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Application November 19, 1935, Serial No. 50,615
6 Claims. (Cl. 221—73.5)



1. A discharge head for a fluid container having a discharge port normally closed by a seal rupturable by a rise of fluid pressure above a predetermined degree but below that at which the container will rupture, said head comprising a body adapted to be secured to the container over said port and formed with a discharge passage for fluid released from the container, means operable at will for opening the seal to release fluid from the cylinder, a valve normally blocking said passage but operable to open the passage, and safety means between the seal and valve for relieving a rise of fluid pressure above a predetermined normal.

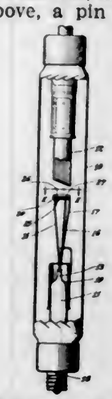
2,073,671
MANUFACTURE OF AMINES
Chester E. Andrews, Brookline, Pa., assignor to The Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application April 2, 1931, Serial No. 527,352
7 Claims. (Cl. 260—127)

1. In the art of producing amines by reacting an alcohol with one of the class consisting of ammonia and primary and secondary amines the improvement which consists in carrying out such reaction in the presence of a catalyst containing an oxygen compound of phosphorus which catalyst is in intimate association with a compatible carrier.

6. A process for the production of a methyl amine of the formula $NH_{3-x}(CH_3)_x$, where x equals one of the numbers 2 and 3, which comprises passing a mixture of methanol and a methyl amine of the formula $NH_{4-x}(CH_3)_{x-1}$ over an amination catalyst at reaction temperatures.

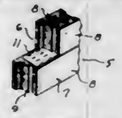
2,073,672
X-RAY TUBE AND CATHODE STRUCTURE THEREFOR
Norman C. Beese, Verona, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 12, 1933, Serial No. 680,013
Renewed January 22, 1937
12 Claims. (Cl. 250—35)

1. A cathode structure comprising a focusing block and a filament, said focusing block having a groove in one face thereof, said filament being located in said groove, a pin extending across



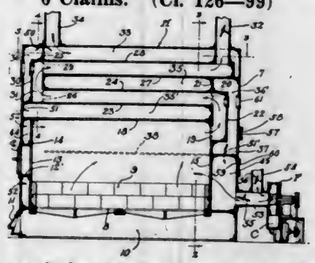
said groove and being secure to said block and said pin being located adjacent one end of the effective length of said filament.

2,073,673
MASONRY WALL
John T. Blake, Madison, Wis.
Application January 27, 1936, Serial No. 61,045
1 Claim. (Cl. 72—39)



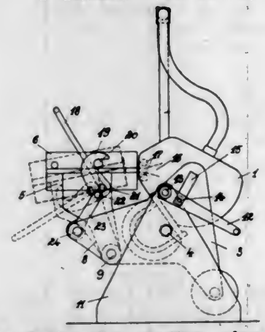
A building wall comprising two adjacent wall sections spaced apart and each section being composed of a plurality of similar preformed blocks laid in superimposed courses, each block having a plurality of spaced vertical flanges, the blocks comprising the two wall sections being laid with the flanges pointing toward each other and with all of the flanges of all of the blocks in one wall section arranged in vertical alignment and interposed between those of the other wall section, and reinforced sheet material extending across the space between the wall sections and interposed between the superimposed courses of the blocks to securely tie the wall sections together and divide the air space therebetween into superimposed separated passages.

2,073,674
HEATER
Henry Brendt, Chicago, Ill.
Application September 25, 1935, Serial No. 41,988
6 Claims. (Cl. 126—99)



6. In an air heater including an enclosed fire box, an enclosed flue leading from said fire box and through which the products of combustion from a fire in said fire box may flow, means enclosing a passage about said fire box and flue and through which air may flow to be heated by heat from said fire box and flue without intermixture of the products of combustion, means for drawing air through said passage to induce a flow of air through said passage, said heater having openings therein communicating with said passage at spaced intervals and through which air may be admitted to temper the air being heated during flow thereof through said passage, and means for controlling the admission of air through said openings whereby the degree of tempering of air may be controlled and the temperature of air delivered from said heater may be regulated.

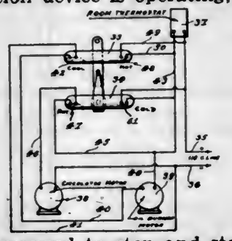
2,073,675
CASTING MACHINE FOR THE CASTING OF PLANE STEREOTYPE PLATES
Ernst Brockel, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany, a corporation of Germany
Application February 27, 1935, Serial No. 8,427
In Germany March 3, 1934
3 Claims. (Cl. 22—2)



1. In a device for casting plane stereotype plates, in combination a melting pot, a mold adapted to receive the molten metal from said melting pot and comprising two superposed parts hinged together permitting the top part to be tilted sideways relative to the bottom part, cooperating members for locking said parts together, means for moving said melting pot and said mold together about a common axis from inoperative to casting position, and vice versa, a connecting duct intermediate said melting pot and said mold, heating means for said duct, and means independent of said first means for moving said mold away from said melting pot to a substantially horizontal position upon the return of said melting pot and said mold to their inoperative position.

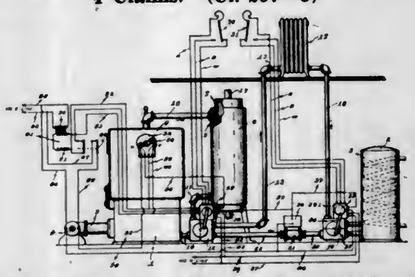
2,073,676
CONTROL DEVICE AND CIRCUITS FOR HOT WATER HEATING SYSTEMS
Frederick C. Broderick, Winnetka, Ill.
Application March 16, 1935, Serial No. 11,435
4 Claims. (Cl. 236—9)

4. An electric control for hot water heating systems comprising a combustion device and a circulator connected electrically in parallel with a source of power, a room thermostat arranged and connected to start and stop operation of said combustion device and circulator simultaneously, and a shiftable switch arranged to be actuated by thermostatic means responsive to boiler water temperatures and to stop and start said circulator independently of said combustion device when said combustion device is operating, said switch



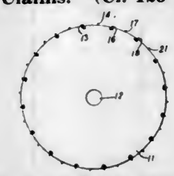
also being arranged to stop and start said fuel burner alone independently of said thermostat.

2,073,677
TEMPERATURE REGULATING SYSTEM
Frederick C. Broderick, Winnetka, Ill.
Application March 16, 1935, Serial No. 11,436
4 Claims. (Cl. 257—3)



1. In an air temperature regulating system the combination with a boiler, a heat interchanger having supply and return connections with said boiler, a circulating pump in one of said interchanger connections, and a water heater connected with said boiler to constantly receive heat therefrom, of a cooling plant having series connection with said interchanger and said circulating pump, and shiftable valve means arranged to normally prevent circulation between both said boiler and said interchanger and said cooling plant and said interchanger, said valve means being shiftable to permit circulation between said interchanger and one or the other of said boiler and cooling plant.

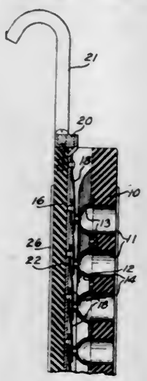
2,073,678
CUTTING TOOL
William W. Broughton, New Brighton, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 28, 1935, Serial No. 42,568
2 Claims. (Cl. 125—15)



1. In a saw, a blade, a plurality of discrete diamond particles at regularly spaced locations at the periphery of said blade, said particles being so located that a portion of the surface of each projects beyond the edge of the blade, adjacent particles being on opposite sides of said

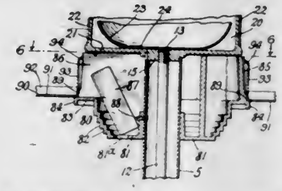
blade, means individual to each of said particles for temporarily attaching each particle in position on said blade independently of all the other particles, and means common to all the particles for permanently attaching them to the blade, said last-mentioned means comprising a metal coating covering the rim of the blade, each of said individual attaching means and substantially the entire surfaces of said diamond particles.

2,073,679
ELECTROPLATING APPARATUS
Morris Brown, La Grange, Ill., and Stephen F. O'Connor, Lakeview, Mont., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 5, 1935, Serial No. 5,008
6 Claims. (Cl. 204—5)



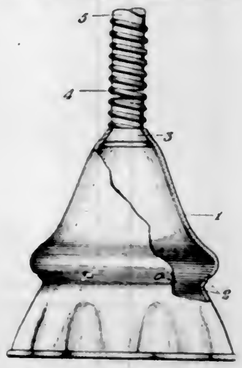
1. In a rack for supporting articles while being coated, a member having apertures and recesses adjacent the apertures for receiving articles to be coated, a sealing member for sealing the surfaces of the articles except those communicating with the apertures, and means for securing said members together, said means sealing connecting edges of said members against the entrance of coating solution between said members.

2,073,680
SMOKING STAND
William J. Campbell, Indianapolis, Ind., assignor to Climax Machinery Company, Indianapolis, Ind., a corporation of Indiana
Application August 7, 1935, Serial No. 35,115
4 Claims. (Cl. 131—51)



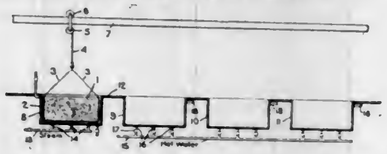
2. In a receiver, a base, supporting means extending upwardly from said base, a receptacle secured to the upper end of said supporting means and having a side aperture, and a tray removably positioned in relation to said receptacle, said tray having a central aperture, the wall of which forms a closure adapted to mask the aperture of said receptacle when the tray is in operative position.

2,073,681
CLOTHES POUNDER
Louis Carpentieri, New York, N. Y., assignor of fifty per cent to Louis Petrosino, New York, N. Y.
Application January 22, 1935, Serial No. 2,874
2 Claims. (Cl. 68—5)



2. As an article of manufacture, a clothes pounder chamber closed on the top and open on the bottom comprising an integral metallic sheet forming a curved and substantially conical chamber, the lower end of which is provided with a series of peripheral vertical indentations to serve as grasping fingers for the clothes to be pounded, said chamber below its middle region being formed with a peripheral indentation having a row of openings in the upper wall of said indentation, the inner limit of said indentation serving as an inwardly projecting rib for the chamber.

2,073,682
PROCESSES OF TREATING VEGETABLE FIBROUS MATERIAL FOR THE PRODUCTION OF CELLULOSE FIBER
Franklin R. Chesley, Jr., Saco, Maine
Application June 13, 1935, Serial No. 26,404
11 Claims. (Cl. 92—17)



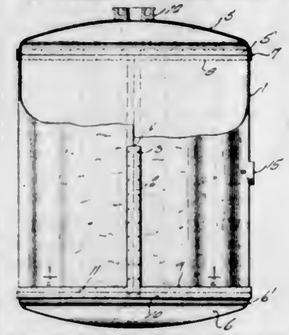
8. The process of decorticating and degumming ramie and individualizing and bleaching the fibers thereof which comprises immersing the fiber-bearing portions of the ramie, cut to desirable staple lengths, for a suitable period of time, in an aqueous, weak alkaline, solution comprising major portions of tribasic sodium phosphate and minor portions of soda ash and aluminum sulphate, together with a small portion of sodium hypochlorite, acting to dissolve the gums and resins contained in the fibrous material, to precipitate tannic substances and to bleach the fibers without removing the waxes or oleaginous constituents of the fibers, but of insufficient causticity to affect the cellulose of the fibers, introducing steam into the solution in such manner as to maintain the temperature thereof at substantially the boiling point and by ebullition to cause agitation of the solution, thereafter removing the foreign material that has been released by the action of the solution, subjecting

the fibers to the action of a mild solution of sulphuric acid, and then washing and drying the fibers.

2,073,683
DIPHENYL DERIVATIVES
Walter G. Christiansen, Glen Ridge, N. J., Sidney E. Harris, Lynbrook, N. Y., and John Lee, Zurich, Switzerland, assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application October 4, 1933, Serial No. 692,124
7 Claims. (Cl. 260—124)

4. Compounds of the group consisting of lower-alkyl, lower-aliphatic-acyl, lower-aliphatic-acyl-amino, benzalamino, and carbamido (hydroxy and alkoxy diphenyls) and amino alkoxy diphenyls, such substituent other than hydroxy and alkoxy being attached to a carbon of the hydroxylated or alkoxylated benzene nucleus.

2,073,684
METHOD OF MAKING BARRELS
William E. Coakley, Milwaukee, Wis., assignor to Pressed Steel Tank Company, West Allis, Wis., a corporation of Wisconsin
Application September 23, 1933, Serial No. 690,658
3 Claims. (Cl. 113—120)



1. The herein described method of making barrels which consists in forming up a barrel body portion from a single sheet and into cylindrical form with the edges of the sheet abutting, overlapping said abutting edges with a strip, tack welding the strip to said edges, forming up from sheets of metal, dished barrel heads bringing the edges of the heads into abutting relation with the edges of the barrel body portion overlapping said last-named edges with metal bands and tack welding said last-named bands to said last-named edges, and then fusing said edges to said strip and said bands by welding rolls traversing the strip and bands on the outside of the barrel and traversing in a straddle fashion said abutting edges on the inside of said barrel, whereby precluding the formation of welding flash on the inside of said barrel.

2,073,685
MANUFACTURE OF FATTY ACID ANHYDRIDES
Henry Dreyfus, London, England
No Drawing. Application May 4, 1932, Serial No. 609,251. In Great Britain July 15, 1931
9 Claims. (Cl. 260—123)

1. Process for the manufacture of fatty acid anhydrides, which comprises thermally decomposing fatty acid salts of metals whose acetates, on heating, normally yield acetone or gaseous products, in association with salts selected from the group consisting of normal sulphates and normal chlorides of the same metals.

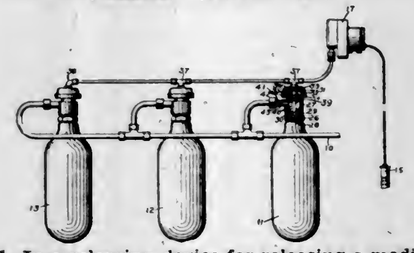
2,073,686
MANUFACTURE OF FATTY ACID ANHYDRIDES
Henry Dreyfus, London, England
No Drawing. Application May 4, 1932, Serial No. 609,252. In Great Britain July 15, 1931
8 Claims. (Cl. 260—123)

1. A process for the manufacture of lower fatty acid anhydrides, which comprises subjecting to thermal decomposition a lower fatty acid salt of a metal whose acetate, on heating, normally yields at most unsubstantial quantities of acetone, in association with a salt of the same metal with a strong mineral acid selected from the group consisting of hydrochloric acid and sulphuric acid.

2,073,687
CELLULOSE DERIVATIVE PRODUCTS
Henry Dreyfus, London, England
No Drawing. Application February 8, 1933, Serial No. 655,777. In Great Britain February 19, 1932
8 Claims. (Cl. 106—40)

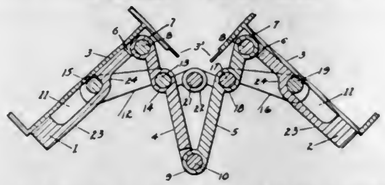
1. Liquid and solid compositions of matter in which the base material consists of cellulose esters of lower fatty acids only and a relatively small proportion of cellulose esters of higher fatty acids only.

2,073,688
AIRCRAFT FLOTATION SYSTEM
Walter H. Freygang, Weehawken, N. J., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York
Application July 14, 1934, Serial No. 735,151
7 Claims. (Cl. 221—73.5)



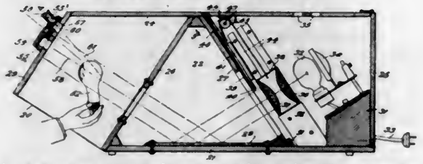
1. In a releasing device for releasing a medium from a container in which the medium is stored under pressure, the combination of a body member to be secured to the container, a frangible disc carried by the body member and confining the medium within the container, disc rupturing means for rupturing the frangible disc to release the medium, means operable by developed fluid pressure to operate the disc rupturing means, a chamber containing an explosive substance capable of evolving gas under pressure upon setting-off thereof, means to explode said explosive substance, releasable means normally holding the last means in restraint, fluid pressure operated means to release said releasable means, means to develop an operating fluid pressure, means defining a fluid conducting path from said last named means to said fluid pressure operated means, and means defining a pressure transmitting path between the chamber containing said explosive substance and said means operable by developed fluid pressure.

2,073,689
CONCEALED HINGE
Georg Gotzinger, Detroit, Mich.
Application December 13, 1934, Serial No. 757,275
8 Claims. (Cl. 16—164)



1. In a hinge, a pair of main leaves adapted for attachment respectively to a door frame and the adjacent edge of a door, a pair of intermediate leaves pivoted respectively to said main leaves and to each other, and a pair of links intersecting and pivoted to said intermediate leaves respectively, said links being pivoted to each other at one end between said intermediate leaves and having their remaining ends slidably received respectively in said main leaves.

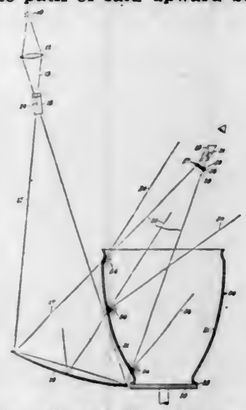
2,073,690
APPARATUS FOR DETECTING STRAIN IN GLASS OF A PARTIALLY DIFFUSING CHARACTER
Samuel M. Gray, Yonkers, N. Y., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application April 22, 1932, Serial No. 606,851
4 Claims. (Cl. 88—14)



1. An apparatus for visually detecting strain in glass having a surface or film of a light-diffusing character, comprising a source of light, optical means for directing rays from said source in the form of a non-diffused beam of light, a polarizer to which said beam is incident, and an analyzer adapted for movement into either of two operative positions corresponding to which the lines of vision respectively established are in and out of the path of the polarized light proceeding from said polarizer, said source being of sufficiently high intensity to cause a substantial quantity of substantially undiffused rays to pass through the light-diffusing surface of light-diffusing film portion of the specimen undergoing test in said path and on either of said lines of vision, said polarizer and analyzer for either of said analyzer positions having their respective planes of polarization to light at right angles to one another.

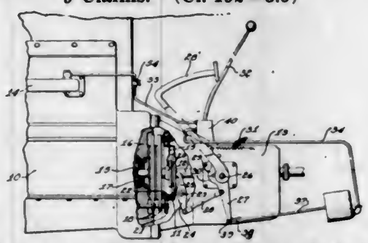
2,073,691
APPARATUS FOR DETECTION OF STRAIN IN DIFFUSIVE GLASS
Samuel M. Gray, Yonkers, N. Y., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York
Application August 15, 1935, Serial No. 36,256
2 Claims. (Cl. 88—14)

1. An apparatus for visually detecting strain in hollow partially diffusing glass bodies having a side wall terminating in an open end, comprising a source of light, a polarizer and an analyzer set in 90° relationship to one another, optical means for directing rays from said source without diffusion to said polarizer and from said polarizer in the form of a downward divergent beam of light, a non-depolarizing reflector for redirecting the rays from said polarizer in the form of an upward inclined convergent beam of light normally proceeding without diffusion substantially to a point at said analyzer, and means for supporting the partially diffusing body to undergo study in the path of said upward beam of light



with its side wall extending to position its open end uppermost, said source being of sufficiently high intensity to cause a substantial quantity of substantially undeflected rays to pass through said wall of said supported body, said supporting means being positioned to cause said substantially undeflected rays to pass through said open end of said supported body prior to reaching said analyzer.

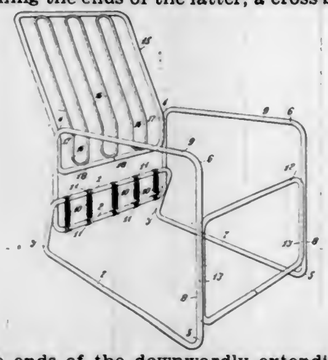
2,073,692
CONTROL MECHANISM
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application July 8, 1932, Serial No. 621,375
9 Claims. (Cl. 192—3.5)



1. In a power transmission, the combination of a clutch control mechanism, a gear shift lever, bodily movable pivot means for the lever, means for actuating the clutch control mechanism, and a connection between said actuating means and said pivot means, said connection being actuated by bodily moving said pivot means.

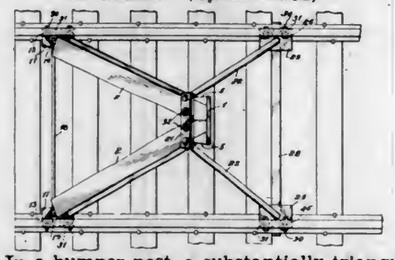
2,073,693
SPRING BASE SEATING FURNITURE FRAME
Darwin Hanauer, La Grange, Ill., assignor to Nachman Spring-Filled Corporation, Chicago, Ill., a corporation of Illinois
Application August 20, 1934, Serial No. 740,550
5 Claims. (Cl. 155—50)

1. A base frame member for a seating furniture unit comprising a pair of equal substantially parallel loop members each presenting a straight supporting portion, a front upright portion, a rear portion projecting upwardly from the supporting portion, a top portion, a portion extending downwardly from the top portion at the rear of the latter and to a point below the last-mentioned upwardly projecting portion, a cross-bar joining the ends of the latter, a cross bar join-



ing the ends of the downwardly extending portions and spaced substantially vertically from the first-named cross-bar, tension springs interposed between and secured to said cross-bars, and cross-bars joining the front upright portions of said loop members and the rear downwardly extending portions thereof below the level of the top portions and providing supports for the ends of a seat member.

2,073,694
BUMPER POST
Stanley W. Hayes, Richmond, Ind., assignor to Hayes Track Appliance Company, Richmond, Ind., a corporation of Indiana
Application December 20, 1932, Serial No. 648,069
13 Claims. (Cl. 104—254)



1. In a bumper post, a substantially triangular integral compression unit, having at its apex a bumper plate, struts abutting on the back of said bumper plate welded thereto and diverging therefrom downward, outward and rearward in a plane transverse to the track to base structures welded respectively to the lower end of the respective struts, and a cross connecting member spacing said structures and welded thereto.

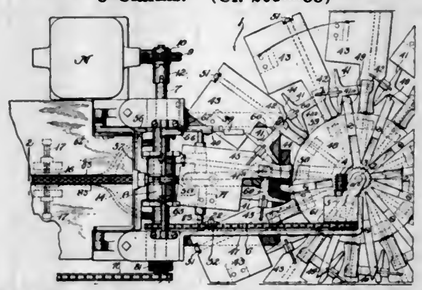
2,073,695
FLOWERPOT AND METHOD OF MAKING SAME
Kenneth Haysler and Ernest Haysler, Kansas City, Mo.
Application September 26, 1935, Serial No. 42,309
1 Claim. (Cl. 93—36.8)

The method of making a flower pot consisting in making a row of parallel straight slits transversely from one longitudinal edge of a strip of flexible material to form a longitudinal row of flaps, forming the strip into a tube circular in cross section, fastening together the end portions of the strip, and bending all of said flaps diametrically inwardly at the inner ends of said slits, whereby the flaps will overlap each other and



form the bottom of the pot at the lower end of the wall thereof, the slits having lengths such that the inner ends of diametrically opposite flaps will be closely adjacent to but spaced from each other, thereby providing a small drainage opening through the bottom, the latter being closed by the flaps from the wall to said opening.

2,073,696
BLANK MEASURING AND SORTING MACHINE
James W. Johnston, Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y., a corporation of New York
Application May 13, 1933, Serial No. 670,940
8 Claims. (Cl. 209—88)

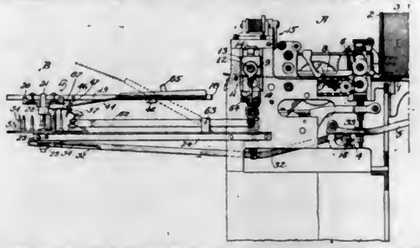


1. A blank sorting machine comprising means for measuring successive blanks according to thickness, distributor mechanism including a traveling conveyor and individual carriers moving with the conveyor, by which the blanks are successively received and carried after being measured, the measuring means being adjacent to the path of the carriers and adapted to deliver the blanks directly from the measuring means upon the carriers, and mechanism responsive to the measuring means for causing the blanks to be discharged from the carriers at different stations according to their measurements, said means comprising a latch associated with each carrier, each latch having an adjustable abutment member, means responsive to the operation of said measuring means for positioning the adjustable abutment members in a position corresponding to the measured thickness of the blanks, and graduated trip members arranged to engage the abutment members during movement of the conveyor and effect the release of the latches.

2,073,697
BLANK MEASURING AND SORTING MACHINE
James W. Johnston, Manchester, N. H., assignor to North American Holding Corporation, Syracuse, N. Y., a corporation of New York
Application August 30, 1933, Serial No. 687,426
10 Claims. (Cl. 209—88)

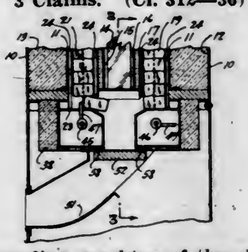
1. A blank sorting machine comprising means for measuring successive blanks according to

thickness, distributing mechanism including an intermittently traveling conveyor and individual carriers moving with the conveyor, by which the blanks are successively received and carried after being measured, means to move the conveyor step by step to bring the carriers successively into position to receive the blanks while the conveyor is at rest between its step movements, means positively to lock the conveyor against displacement during its periods of rest and to unlock it to permit its step by step movements, and mechanism responsive to the measuring means



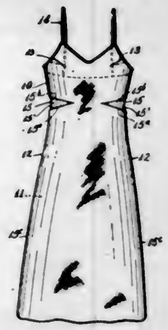
for causing the blanks to be discharged from the carriers at different stations according to their measurements, said mechanism comprising a latch associated with each carrier and an adjustable member associated with each latch, setting means responsive to the operation of said measuring means for positioning the adjustable members in a position corresponding to the measured thickness of the blanks, and graduated trip members arranged to engage the adjustable members during movement of the conveyor and effect the release of the latches.

2,073,698
VENDING MACHINE
George W. Kalbitzer, Jr., Los Angeles, Calif., assignor to The E. Gloo Corporation of America, Los Angeles, Calif., a corporation
Application January 12, 1935, Serial No. 1,533
Renewed January 21, 1937
3 Claims. (Cl. 312—36)



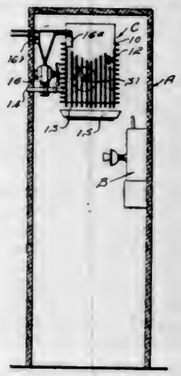
3. In a vending machine of the character described, the combination of a heat-insulated cabinet, a centrally disposed refrigerating chamber within said cabinet, a receiving chamber below said refrigerating chamber, a plurality of vendible package-storage compartments separated from each other by said refrigerating chamber, walls of said storage compartments being provided with a series of ribs to prevent freezing contact of said vendible packages with said walls, a pair of rotatable rods horizontally journalled in said cabinet below said compartments and a plurality of fingers radially disposed on said rods to expel the lowermost of said superposed packages one at a time from each of said storage compartments into said receiving chamber, and a shaft geared to said rods adapted for manual rotation.

2,073,699
SLIP
Harry Katz, New York, N. Y.
Application March 5, 1935, Serial No. 9,435
1 Claim. (Cl. 2—73)



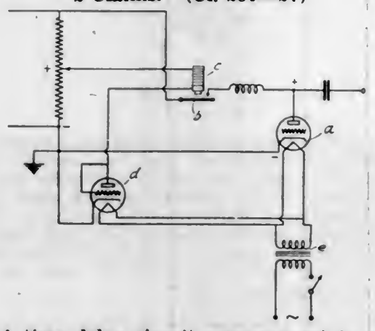
In a form fitting slip, front and rear panels attached to each other along their side edges and having diamond shaped cutouts at the sides adjacent the waist line, diamond shaped panels arranged horizontally at the sides of said slip and having their edges stitched to the fabric defining the edges of said cutouts, the said cutouts being of a size larger than the said diamond shaped panels in at least one axis whereby the waist portion of said slip is form fitting and the side flare is increased without the production of irregular gatherings in said slip adjacent said inserted panels.

2,073,700
DEVICE FOR USING SOLID REFRIGERANT TO EFFECT RAPID COOLING OF SMALL ENCLOSED SPACES
Lester S. Keilholtz, Detroit, Mich.
Application March 22, 1934, Serial No. 716,827
6 Claims. (Cl. 62—91.5)



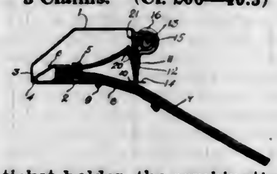
1. An air conditioning element for relatively small enclosed spaces and comprising a heat absorbing container, a heat insulated refrigerant storage magazine, a coin released delivery mechanism adapted to deliver a solid refrigerant from said storage magazine to said container, crushing members interposed between said delivery mechanism and said container and adapted to crush the solidified refrigerant prior to disposing it in the heat absorbing container.

2,073,701
TIME-LAG CATHODE CIRCUIT ARRANGEMENT
Eugen Lazzarini, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 10, 1934, Serial No. 719,841
In Germany May 2, 1933
2 Claims. (Cl. 250—27)



1. A time delay circuit arrangement to retard the connection of the direct current voltage of a comparatively large power transmitter tube comprising a source of anode potential, a resistance across said anode potential source, a relay having its armature connected in series with one side of said source of anode potential and the anode of said transmitter tube, the other side of said voltage supply being connected to the cathode of said transmitter tube, said relay having its winding energized by being connected to an intermediate point on said resistance and in series with an indirectly heated auxiliary tube anode which tube is connected at its cathode to the other side of said plate supply.

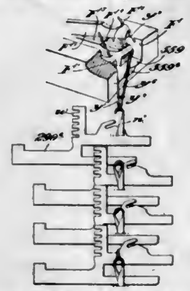
2,073,702
TICKET HOLDER
Murdock MacDonald, Cleveland Heights, Ohio
Application April 29, 1935, Serial No. 18,760
3 Claims. (Cl. 206—40.5)



1. In a ticket holder, the combination of a box-like casing open at one side, pad holding means hinged to one edge of such open side of said casing and adapted to press a pad of tickets against the other edge of the open side, and a series of lips on the interior of said casing member having their edges projecting outwardly therefrom and upwardly with respect to said last-named edge, said lips being located at different levels in staggered positions and adapted to engage with the stubs of torn tickets and to retain the latter in a position above said last-named edge.

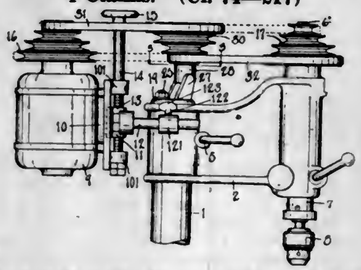
2,073,703
METHOD OF MAKING KNITTED FABRIC
Wilmot Micks, North Hamilton, Ontario, Canada, assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application May 2, 1935, Serial No. 19,477
11 Claims. (Cl. 66—108)

1. Method of knitting multiple-yarn fabric upon a circular, independent needle knitting machine provided with pattern controlled reverse plating sinkers, and a throat plate provided with yarn-changing devices, whereby to form a plain fabric having a background of substantially uniform color and figures in two or more colors upon the background, which comprises delivering to the needles a backing yarn with a short lead from a point adjacent to the corner of the throat plate, simultaneously delivering a pair of yarns substantially alike in color, but of a color different from that of the backing yarn, with a lead and tension substantially greater than that of



the backing yarn and from a point in the throat plate substantially removed from the point at which the backing yarn is delivered, so relatively tensioning the several yarns as to cause them to plate normally in a definite relation with the backing yarn at the rear of the fabric,—at predetermined points causing the backing yarn to appear at the front of the fabric by manipulation of the reverse plating sinkers, and at times changing the backing yarn for another of a different color while manipulating the yarns for reverse plating, thereby to produce differently colored figures upon the background fabric.

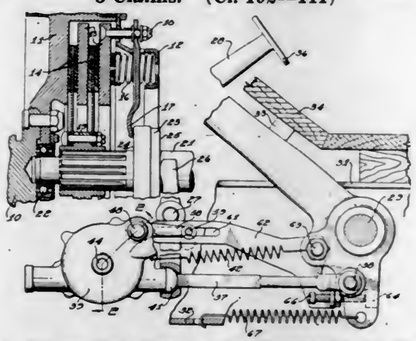
2,073,704
DRILL PRESS
Walter G. Mitchell, Oak Park, Ill.
Application July 13, 1935, Serial No. 31,138
4 Claims. (Cl. 74—217)



4. In a drill press, the combination of a vertical column with a hollow upper end, a drill head on said column and having a drill spindle with a driven pulley therefor disposed on a vertical axis, a driving motor having thereon a driving pulley disposed on a vertical axis, an expansion plug fitted in and rotatable about a vertical axis in the hollow end of said column, means for expanding said expansion plug to fix it in desired position, an intermediate multi-step pulley disposed on a vertical axis eccentric to the axis of rotation of said plug, whereby rotation of said plug will vary the distance between the axis of said intermediate pulley and the axis of said driven pulley, a belt connecting said intermediate

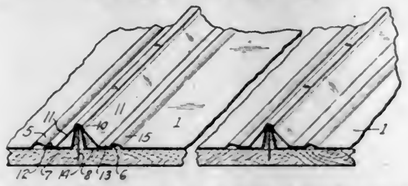
pulley with said driving pulley, and a second belt connecting said intermediate pulley with said driven pulley.

2,073,705
CLUTCH MECHANISM
Alfred Moorhouse, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application July 22, 1932, Serial No. 623,982
8 Claims. (Cl. 192—111)



1. In combination, a clutch, means to disengage said clutch including a movable element, the range of movement of said element varying in accordance with clutch wear, and means to move said element including a gear and rack mechanism, said gear and rack being relatively fixed during clutch releasing movement of said element and free to move relatively in opposite directions when said element is in position to allow clutch engagement.

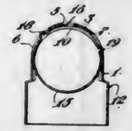
2,073,706
STANDING LAP SEAM ROOFING
George D. Overholtz, Tiffin, Ohio, assignor to The Tiffin Art Metal Company, Tiffin, Ohio, a corporation of Ohio
Application October 5, 1936, Serial No. 104,072
6 Claims. (Cl. 108—18)



2. A lapped joint for roofing sheets, comprising lapping upper and lower members having interengaging upstanding ridge portions of inverted channel form, the lower member having shoulder portions at opposite sides of its said ridge, said upper ridge having yielding spreadable leg portions at the inner sides of said shoulders, the lower ends of which leg portions contact with the lower member and are forced outward thereby into contact with said shouldered portions when the upper ridge is forced home on the lower ridge.

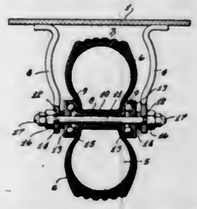
2,073,707
CONTAINER CLOSURE
Winfred T. Parkin, Providence, R. I., assignor to Theodore W. Foster & Bro. Company, Providence, R. I., a corporation of Maine
Application April 3, 1936, Serial No. 72,580
11 Claims. (Cl. 221—62)

1. A container closure consisting of a shell of fabricated sheet material and having a dome-like closed end defining a semi-cylindrical wall terminating in a continuous skirt adapted to fit the neck or mouth of a container, the width of said cylindrical wall being substantially less than the diameter or transverse dimension of said skirt, said cylindrical wall having at least one outlet aperture and an opening therein, a rotatable shutter having a semi-cylindrical part conforming with said wall portion disposed within



said shell so that its cylindrical part snugly fits against said cylindrical wall, said shutter having an outlet aperture and an outwardly projecting member which extends through said opening to provide a finger piece by means of which said shutter may be rotated back and forth so as to bring the outlet apertures into and out of registry, and means for rotatably retaining said shutter within said shell.

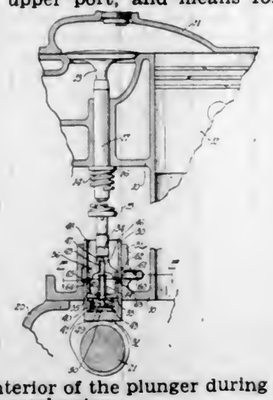
2,073,708
ROLLER SKATE
Frank N. Parrish, Silver City, N. Mex.
Application June 5, 1935, Serial No. 25,013
4 Claims. (Cl. 208—181)



1. A wheel comprising a rim, said rim having a cylindrical portion and flanges arising from each edge thereof, the exterior surface of said cylindrical portion constituting a tire receiving means, said flanges having curved interior and exterior surfaces terminating in cylindrical ends with the interior surfaces thereof constituting ball races for an anti-friction bearing from which the wheel is supported, the exterior surfaces of said flanges constituting the sole means for retaining said tire on said rim, said cylindrical portion also constituting a wheel hub, the inside diameter of said tire being substantially less than the overall diameter of said bearing whereby said hub is of minimum outside diameter, the cylindrical ends of said flanges each being exposed to view.

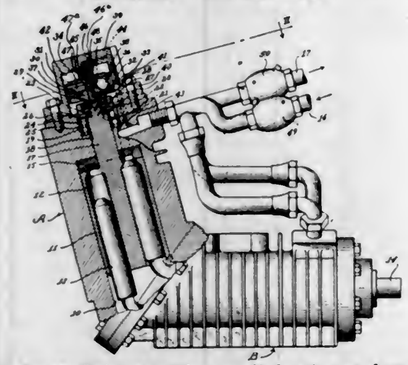
2,073,709
INTERNAL COMBUSTION ENGINE
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 2, 1934, Serial No. 718,588
4 Claims. (Cl. 123—90)

1. In valve operating mechanism, the combination with a valve and a cam shaft, of a hydraulic take-up push rod between said valve and shaft comprising a hollow cylinder having a closed end in contact with the cam shaft, a relatively movable hollow plunger in the cylinder in contact with the valve, said plunger having ports in the upper and lower ends thereof, a valve for the lower port having a stem guided by and nearly closing the upper port, and means for feeding



oil to the interior of the plunger during the operation of the mechanism.

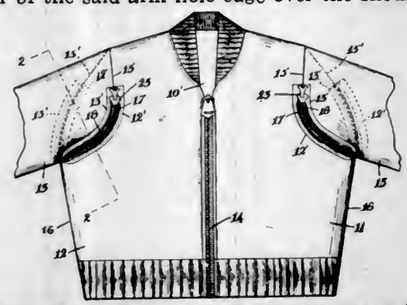
2,073,710
PUMP AND UNLOADING MEANS
Charles L. Rayfield, Chicago, Ill., assignor, by mesne assignments, to Thermal Units Manufacturing Company, a corporation of Illinois
Application January 2, 1935, Serial No. 28
2 Claims. (Cl. 103—41)



1. In a fluid pumping unit having a housing encasing pumping elements, and inlet and outlet connections for fluid to be pumped; a rotatably mounted member projecting to the exterior of the housing, said member being rotatable in accordance with the pump speed, a cap disposed over the projecting end of said member and cooperating with the housing to define a chamber, a passageway from said outlet terminating centrally of the top of the cap and defining a valve seat, a valve element associated with said seat, another passageway connecting said chamber and the inlet, and centrifugally operated means responsive to the movement of said member for actuating the valve element to control the flow of fluid through the passageways and chamber, said passageways and chamber cooperating to form a by-pass between the pump inlet and outlet connections.

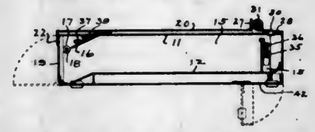
2,073,711
GARMENT
Jacob Robinsohn, New York, N. Y.
Application December 9, 1935, Serial No. 53,582
3 Claims. (Cl. 2—126)

1. A garment including a body portion, a sleeve and a sliding fastener, the sleeve at the attaching edge being secured to the body portion at the edges of the arm hole therein in the region extending from approximately the upper front half of the said arm hole edge over the shoulder



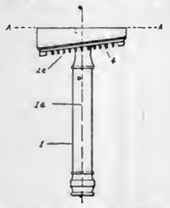
to approximately the rear half of the arm hole edge, and the unsecured edge portions of the sleeve and the arm hole being joined by the said sliding fastener.

2,073,712
DESK MANIFOLDER
Ralph C. Root, Indianapolis, Ind.
Application March 27, 1935, Serial No. 13,257
8 Claims. (Cl. 282—3)



2. A manifolding device comprising a box adapted to hold a pack of zig-zag folded, superimposed sheets each having registering apertures, said box having a platen, with pins fixed at the forward end of the platen to receive and register said apertures when said sheets are carried over the platen, a presser plate hinged to said box to drop over said sheets about said pins, cam means yieldingly holding said plate selectively in a lowered position against the sheets and in a raised position removed from the sheets, said plate serving both to releasably retain said sheets in register over said pins and as a sheet tear-off bar when raised.

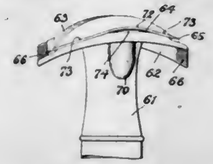
2,073,713
RAZOR
Edward Siegel, New York, N. Y.
Application October 18, 1932, Serial No. 638,313
8 Claims. (Cl. 30—48)



8. A safety razor having a thin flexible blade wider at one of its ends than at the other, a handle, clamping means between which the blade is flexed, said clamping means being so shaped that they flex the blade and hold it in cutting position so that it lies in a curved surface corresponding to a portion of the surface of a cone, with the cutting edge of the blade co-

inciding with the generatrix of said surface and lying obliquely with respect to a plane perpendicular to the handle.

2,073,714
RAZOR
Edward Siegel, New York, N. Y.
Application August 2, 1935, Serial No. 34,333
4 Claims. (Cl. 30—48)



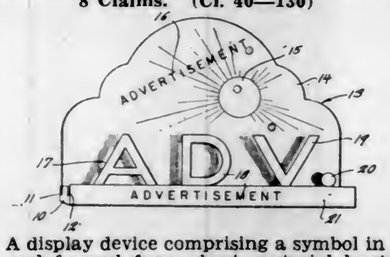
1. In a razor of the character described, a blade table and a cap between which a wafer-type blade is clamped, the blade being received and flexed therebetween about an axis of curvature extending along the blade at an oblique angle to its cutting edges, the cap having an under face formed with a curved surface extending co-extensively with the axis of curvature of the blade and having the longitudinal edges of said curved surface extending substantially parallel to the axis of curvature of the blade, said cap having flat surfaces of substantially trapezoidal outline on its under face extending from the termination of the curved surface thereon to the longitudinal edges of the cap, the table having co-operating flat surfaces on its upper face, the flat surfaces on the cap and table co-operating in forming straight cutting edges on the blade and plane surfaces on the blade in back of said cutting edges when the blade is clamped and flexed between the cap and table.

2,073,715
GASEOUS ELECTRIC DISCHARGE DEVICE
Harry A. Stone and Frank Schaefer, Detroit, Mich.
Application February 9, 1934, Serial No. 710,419
20 Claims. (Cl. 176—122)



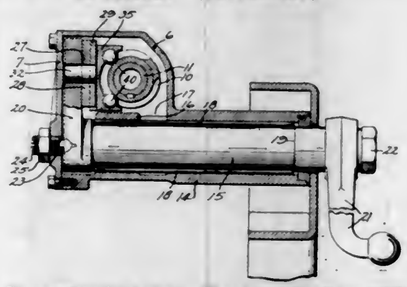
1. In a gaseous electric discharge device, a sealed tube having electrodes therein, and a supporting means of glass wool for maintaining each of said electrodes in spaced relation with said tube, said supporting means completely encircling the electrode and covering in contacting relation a substantial portion of the length of the active end thereof.

2,073,716
DISPLAY DEVICE
Frederick A. Sunderhauf, Rutherford, N. J., assignor to Reynolds Metals Company, New York, N. Y., a corporation of New York
Application March 22, 1935, Serial No. 12,380
8 Claims. (Cl. 40—130)



1. A display device comprising a symbol in outline and formed from sheet material having a colored back, and a sheet of material spaced therefrom and having a reflective front surface of polished foil, the back of said symbol being sufficiently close to the reflective front of said sheet to be readably reflected therein in slightly distorted form.

2,073,717
STEERING GEAR
B. Wickliffe Twyman, Milwaukee, Wis., assignor to Lavine Gear Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 24, 1934, Serial No. 717,177
11 Claims. (Cl. 74—499)

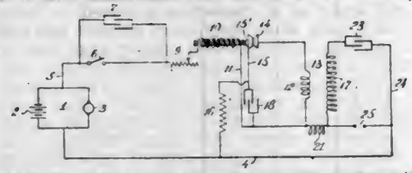


1. In a steering gear, the combination with a worm cam and a rock shaft, of an arm on said rock shaft movable parallel to the axis of said worm cam, a post projecting from said arm toward said worm cam and arcuately movable, a slide block pivoted on said post and having its face in sliding bearing contact against said arm, and a cam follower with respect to which said block is slidable meshing with said worm cam, said block and follower being interposed in bearing pressure transmitting relation between said worm cam and arm, whereby to transmit to said arm the radial thrust of said cam on said follower.

2,073,718
FUEL OIL BURNER IGNITION
Charles E. Vawter, deceased, late of Philadelphia, Pa., by Germantown Trust Company, executor, Philadelphia, Pa., assignor to Walter J. Laird, Wilmington, Del.
Original application November 20, 1930, Serial No. 496,999, now Patent No. 1,955,520, dated April 17, 1934. Divided and this application April 14, 1934, Serial No. 720,644
2 Claims. (Cl. 175—115)

2. The improvements in the process of fluid fuel burner ignition which comprise producing a

jump spark electric current of at least 10,000 volts and a few milliamperes, converting the spark



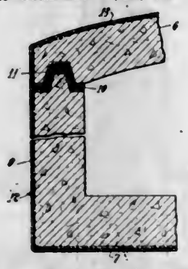
into an arc having a current of not less than about 1 ampere, and continuously maintaining either the arc or the spark.

2,073,719
PAPER DISPENSER
Ruth W. Ross, New York, N. Y., assignor to R. W. Ross Manufacturing Corporation, New York, N. Y., a corporation of New York
Application July 2, 1936, Serial No. 88,571
4 Claims. (Cl. 242—55.2)



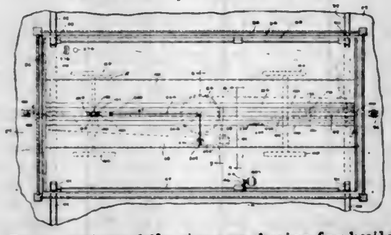
1. A device of the character described comprising a tube having an intermediate shoulder, a sleeve on said tube, said tube and sleeve being coextensively slotted through to one end thereof, and a cap engageable in the end of the tube to close the ends of said slots, said cap having a portion for positioning said sleeve between said shoulder and cap.

2,073,720
GRAVE TOMB
John Western, North Chicago, Ill.
Application May 9, 1936, Serial No. 78,759
2 Claims. (Cl. 72—7)



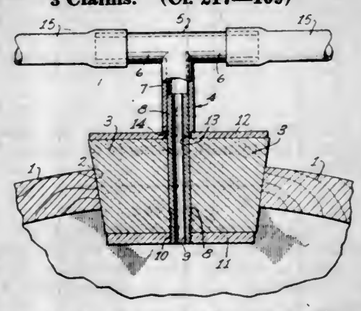
1. A grave tomb embodying therein an open top body and a cover therefor, the body member comprising a bottom wall and upright side and end walls, the top edges of said side and end walls and the margins of said cover having interengageable parts, a coating of non-porous waterproof material adhered to the external surface of the walls of the body and of the cover, respectively, and to at least certain of said interengageable parts, and a textile material embedded in said non-porous waterproof material and substantially coextensive therewith.

2,073,721
AUTOMOBILE STORAGE DEVICE
Edwin M. Wheelock, Minneapolis, Minn.
Application January 18, 1930, Serial No. 421,660
Renewed July 20, 1936
17 Claims. (Cl. 214—16.1)



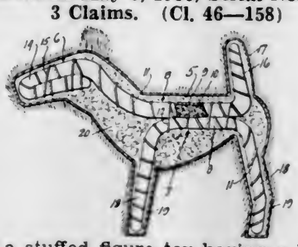
1. In an automobile storage device for buildings having a plurality of floors, the combination of an elevator, extensible mechanism consisting of a plurality of slides carried by said elevator for pushing and pulling automobiles, and mechanism for projecting said extensible mechanism for at least the length of an automobile from said elevator and for retracting said mechanism.

2,073,722
EXPANDING BUNG
Joseph R. Wiley, Los Angeles, Calif., assignor to Tay Garnett, Los Angeles, Calif.
Application October 15, 1935, Serial No. 45,015
3 Claims. (Cl. 217—109)



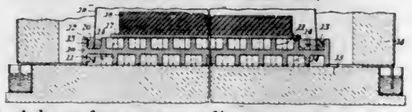
1. In an expansible bung for connecting casks or barrels, the combination of a body of yielding material to be received in the bung-hole of one of the casks, a tubular T having a tubular stem passing down through the yielding body to communicate with the interior of the cask, said stem having threads, and also having a shoulder adjacent the upper face of the said body, an upper clamping head having a central opening receiving said stem and engaging said shoulder, a lower clamping head having a threaded opening engaging the threads, said T having a substantially horizontal tubular cross-bar affording means for rotating said stem to clamp up said body and secure the same in the bung-hole and capable of conducting a fluid past the bung to another cask or barrel.

2,073,723
STUFFED ANIMAL TOY
Albert E. Woolnough, St. Albans, N. Y.
Application May 6, 1936, Serial No. 78,088
3 Claims. (Cl. 46—158)



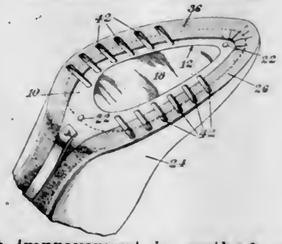
1. In a stuffed figure toy having a body, legs, a tail, and a neck and head, a skeleton comprising a plurality of elongated members each consisting of a tubular fabric casing, a soft downy filling for said casing, and a binding of soft wire wound spirally about the casing, said members having their intermediate portions secured against each other to provide portions in bunched formation extending longitudinally in the body of the toy, end portions of certain of said members being bent to extend into the legs of the toy longitudinally thereof, and end portions of another member being bent to provide a portion extending into the tail and a portion extending through the neck and into the head of the toy.

2,073,724
ANNEALING BASE
James A. Baker, Pittsburgh, Pa., assignor to Union Steel Casting Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 8, 1936, Serial No. 78,632
2 Claims. (Cl. 263—49)



1. A base for an annealing cover comprising a plate having spaced upstanding ribs on both sides whereby when the base is laid flat on a furnace hearth, the ribs on the lower side support the plate thereabove, and the ribs on the other side are adapted to support a charge of material above the plate.

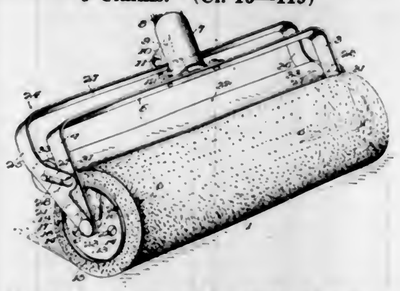
2,073,725
MANUFACTURE OF SHOES
Peter Baroni and Sante Baroni, Philadelphia, Pa., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 17, 1935, Serial No. 40,963
20 Claims. (Cl. 12—142)



1. That improvement in methods of making shoes which consists in securing together an insole and an upper by means of an unbroken film of cement interposed between said parts, the cement being of a character adapted to harden when dry, and, after the film of cement has hardened, cutting through the upper and into said film in a plurality of locations to facilitate flexing of the portions secured together by the cement.

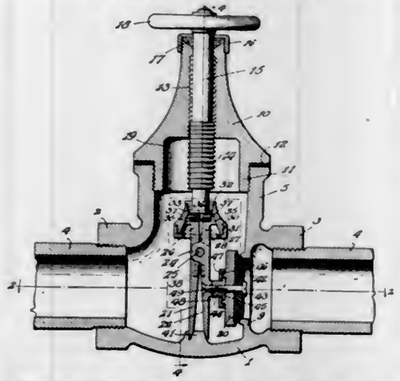
10. In a shoe, a shoe upper, and a shoe bottom member secured together by means of a stripe of hardened cement interposed between them, said stripe having a plurality of cuts extending through it, thereby breaking up its continuity and facilitating flexing of the shoe.

2,073,726
MOP
Joseph D. Bates, Springfield, Mass.
Application September 1, 1933, Serial No. 687,902
9 Claims. (Cl. 15—119)



3. A mop comprising a frame, a mop roller journalled in said frame and having a surface of resilient material, a second frame journalled to said mop roller and having therein aligned slots extending toward said mop roller and communicating laterally extending locking recesses at the ends of said slots which are toward the mop roller, a wringer roller journalled in said slots and movable toward said mop roller and adapted to be locked in wringing position in said recesses by said mop roller, whereby the mop may be wrung upon relative rotation between the second frame and the mop roller.

2,073,727
VALVE
John Bodnovich, West Palm Beach, Fla., assignor of forty-nine per cent to Edward C. Hilker, West Palm Beach, Fla.
Application November 8, 1935, Serial No. 48,924
9 Claims. (Cl. 251—58)

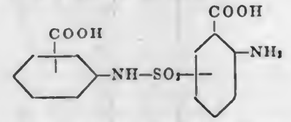


1. A valve comprising a casing having inlet and outlet passages, an internal annular seat about

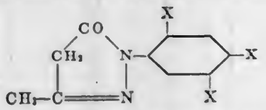
the inner end of one passage, a hood carried by said casing, a stem adjustable longitudinally through the hood, a coupling depending from the inner end of said stem and shiftable in the casing with the stem from a raised position to a lowered position levers pivoted to each other and having arms slidable in said coupling, the coupling having a cam surface for acting upon the arm of one lever for moving the lever toward and away from the valve seat, and a valve carried by the last mentioned lever and facing the seat for seating thereon when the stem and coupling are in a lowered position.

2,073,728
PROCESS FOR THE MANUFACTURE OF CHROMATABLE AZO DYESTUFFS OF THE PYRAZOLONE SERIES
Jakob Böhl, Basel, Switzerland, assignor to the firm Chemical Works formerly Sandoz, Basel, Switzerland
No Drawing. Application July 8, 1935, Serial No. 30,409. In Switzerland July 17, 1934
10 Claims. (Cl. 260—44.6)

1. A process for the manufacture of chromatable yellow azo dyestuffs, consisting in coupling diazo compounds obtainable from sulpharylides of the general formula

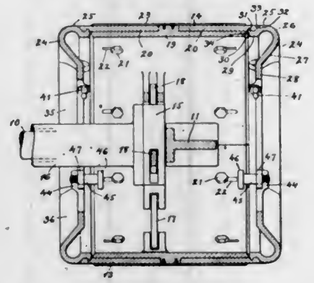


with pyrazolones of the general formula



wherein X represents a substituent selected from the group consisting of hydrogen and chlorine.

2,073,729
COLLAPSIBLE FORM
Henry C. Bostwick, Coventry Township, Summit County, Ohio, assignor to The Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application July 16, 1936, Serial No. 90,958
11 Claims. (Cl. 154—9)

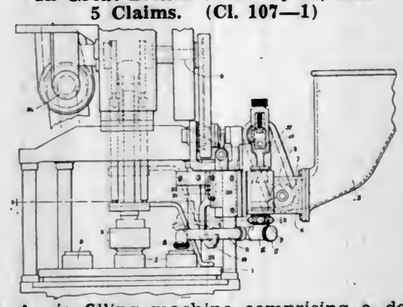


1. A tire-building form comprising a collapsible, segmental form body, and an independently collapsible segmental, bead-seating flange structure removably mounted thereon and composed of segments detachable by moving them radially inward from the form body.

2,073,730
TARNISH AND WATERPROOF FABRIC
Arthur D. Champlin, Providence, R. I.
No Drawing. Application August 29, 1935, Serial No. 38,405
10 Claims. (Cl. 91—68)

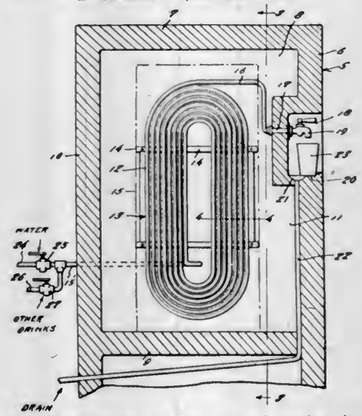
1. A fabric for use in protecting articles having a metal surface subject to tarnishing comprising a fabric consisting of spaced interwoven threads, the cells of the fibres in each thread being partially impregnated with a chemical means rendering said fabric substantially tarnish-proof, said cells being supplementally impregnated with a sufficient amount of a substance rendering said fabric substantially waterproof to attendantly retain said tarnish proofing chemical means within said cells in positions to absorb materials in the air tending to cause tarnishing.

2,073,731
PIE OR LIKE FILLING OR DEPOSITING APPARATUS
Ejnar Christiansen, Birmingham, England
Application February 25, 1936, Serial No. 65,677
In Great Britain February 26, 1935
5 Claims. (Cl. 107—1)



1. A pie filling machine comprising a device for intermittently ejecting measured quantities of material to be deposited, a delivery pipe having a discharge nozzle, a swivel joint connecting the delivery pipe to the outlet of the said ejecting device, and means for raising the delivery pipe after each discharge so that the material deposited is separated from the material remaining in the nozzle.

2,073,732
WATER COOLING ATTACHMENT
Alvin L. Cosner, Akron, Ohio
Application January 20, 1936, Serial No. 59,970
1 Claim. (Cl. 62—43)



In a refrigerator, a flat coiled water tube dis-

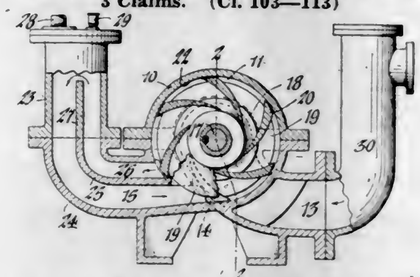
posed against the inner side of one side wall thereof, a supporting frame for the coil, and a vertically disposed guard plate secured to the said frame between which and the adjacent wall of the refrigerator the said coil is located.

2,073,733

PRIMING MEANS FOR CENTRIFUGAL PUMPS

Edmund F. Doty, Belleville, N. J.

Application May 26, 1934, Serial No. 727,703
3 Claims. (Cl. 103—113)



1. A centrifugal pump, comprising a casing having an inlet and a discharge conduit, the latter having a bridge wall therein dividing the same into a main discharge and an auxiliary discharge, an impeller chamber in communication with said inlet and said auxiliary discharge, the latter being in the peripheral plane of said chamber and the main discharge being at one side thereof, an impeller open at its periphery and having lateral discharge openings rotatably mounted in said chamber, a pressure chamber arranged at one side of said impeller chamber and communicating with the same and with said main discharge, reactionary means surrounding the impeller chamber and in proximity to the periphery of the impeller for diverting the fluid through the discharge openings of the latter into said pressure chamber, the impact face of said reactionary means being substantially parallel to the axis of said impeller, and an air-releasing chamber connected to both the main and the auxiliary discharge passages.

2,073,734

ELECTRICAL STORAGE CELL

Jeremiah Alphonsus Downing, Cork, Irish Free State, assignor to D. & B. Electrical Company Limited, London, England

No Drawing. Application February 7, 1933, Serial No. 655,681. In Great Britain February 8, 1932
1 Claim. (Cl. 136—165)

A method of treating the positive lead peroxide pasted plates of lead acid cells which consists in spraying the plates when in discharged condition with a solution of two ounces of oxalic acid in one pint of water and after an interval when the reaction between the acid solution and the paste of the plates is proceeding applying to the plates a solution of sulphuric acid of 1.25 gravity.

2,073,735

BUILDING UNIT AND STRUCTURE FORMED THEREFROM

Charles G. Duffy, Brooklyn, N. Y., assignor to Sealed Joint Products Co. Inc., a corporation of Delaware

Application February 5, 1935, Serial No. 5,042
19 Claims. (Cl. 72—20)

1. A building unit of the character described adapted with others to be laid up in courses to present a wall surface, said unit including in combination a facing member formed with a recess in the edge thereof and a supporting element therefor equipped with yieldable bead means arranged to seat in said recess and grip



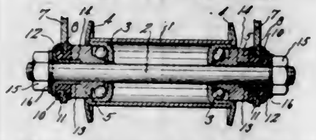
said facing member to secure it in position, said supporting element being individual to said facing member and entirely distinct from the supporting elements of facing members adjacent in the surface.

2,073,736

RESILIENT MOUNTING FOR BICYCLE WHEELS

Thomas I. Duffy, Detroit, Mich., assignor to The Westfield Manufacturing Company, Westfield, Mass., a corporation of Massachusetts

Application July 23, 1935, Serial No. 32,776
3 Claims. (Cl. 208—101)



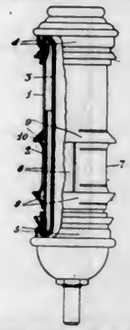
1. In a wheel mounting for a bicycle the combination of a frame element having an opening, a wheel axle extending through the opening, insulating material extending through said opening and over the portions of the side faces of the frame element adjacent said opening to encase the marginal portions of the opening in insulating material, rigid members supported on the axle to engage said insulating material on opposite sides of the frame element and adapted to engage each other through said opening, and means to force said rigid members into engagement with each other to apply a predetermined degree of compression to the insulating material and secure the axle to the frame element.

2,073,737

TEAT-CUP FOR MILKING MACHINES

Carl Elis Ellison, Norrkoping, Sweden

Application November 29, 1935, Serial No. 52,034
In Sweden December 3, 1934
8 Claims. (Cl. 31—84)



1. A teat cup for milking machines, comprising in combination an outer casing consisting of an outer sleeve and an inner sleeve the latter telescoping into the former, an inner elastic lining secured at its opposite ends to said outer casing,

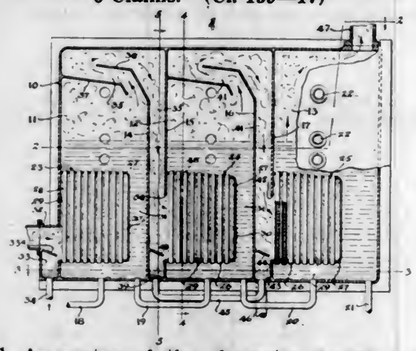
and a stop device adapted to be secured in a fixed position to said inner sleeve after moving said two sleeves away from each other to stretch said elastic lining, so as to form an abutment on said inner sleeve against which the end of said outer sleeve bears.

2,073,738

EVAPORATING APPARATUS

Otto Faber, Kenmore, N. Y.

Application November 8, 1935, Serial No. 48,891
6 Claims. (Cl. 159—17)



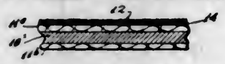
1. Apparatus of the character described including a casing, said casing having top and bottom walls, a partition which divides said casing into a plurality of evaporating chambers through which the liquor to be concentrated is caused to flow, the lower end of said partition abutting said bottom wall while its upper end terminates in spaced relation with respect to said top wall, means for heating the liquor in one of said chambers to convert a portion of the excess liquid into vapor, an element in a second of said evaporating chambers for vaporizing a portion of the remaining excess liquid, said element having a vapor compartment and a second partition which co-operates with said first mentioned partition to provide a passage which is located between said chambers and through which the vapors generated in said first mentioned chamber pass to said vapor compartment, said partitions co-operating to provide a passage which extends substantially the full length of said element whereby to permit free flow of the vapors into it.

2,073,739

ABRASIVE DISK

Joseph Flatow and John Pullman, Brooklyn, N. Y.

Application October 12, 1936, Serial No. 105,162
4 Claims. (Cl. 51—195)



4. In an abrasive disk, a flexible disk of hard fiber, an abrasive sheet adhesively mounted on one of the faces of said disk, porous cloth sheets "vulcanized" into both faces of said disk to lessen breakage of said disk and to prevent parts flying around if breakage should occur.

2,073,740

GAS MAIN STOPPER

Willis W. Gardner, Meriden, Conn.

Application June 18, 1935, Serial No. 27,183
4 Claims. (Cl. 138—94)

1. A gas-main stopper including: a tube adapted to have its lower end connected in an opening in a gas-main with the axis of said tube extending transversely of the axis of the gas-main; piston means including a tubular piston-rod and a piston, said piston being slidable in said tube and having a lubricant-passage leading to a location adjacent the inner surface of said tube; plug means including a pair of springs having their upper ends pivotally connected to said pis-



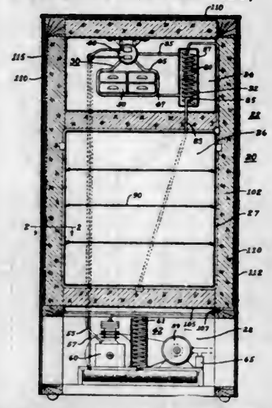
ton means and their lower ends pivotally connected together, said springs when unstressed being oppositely-outwardly bowed a distance substantially greater than the internal diameter of said tube; said tubular piston-rod being connected to said piston with the tubular passage of the piston-rod communicating with said lubricant-passage, and said tubular piston-rod extending out through the upper end of said tube.

2,073,741

REFRIGERATING APPARATUS

J. Lowell Gibson, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

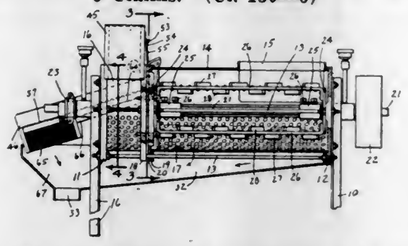
Application September 30, 1930, Serial No. 485,446
4 Claims. (Cl. 62—116)



1. Refrigerating apparatus comprising in combination a cabinet having a freezing compartment and a food compartment, said food compartment being provided with an inner metal lining, insulation between said compartments, a primary refrigerating system providing a freezing zone in said freezing compartment, a secondary refrigerating system comprising a cooling member sub-

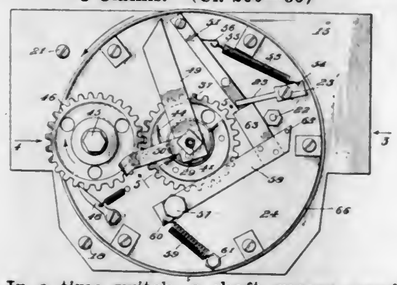
stantially surrounding said inner metal lining and in thermal contact therewith, said secondary system being provided with a gas non-condensable at temperatures prevailing in the secondary system, and heat exchange means for said systems.

2,073,742
CORN SHELLER
Dayton H. Gilson, Rushville, Ind.
Application January 15, 1934, Serial No. 706,704
6 Claims. (Cl. 130—6)



1. In a corn sheller, the combination of a tubular chamber having an inlet at one end and a discharge at the opopsite end and perforations along its underside sufficient in area solely for the discharge of shelled corn, a reel type shelling rotor in said chamber, and means thereon for simultaneously shelling cobs both internally and externally of the rotor, said reel being positioned in spaced relation with respect to the side wall of the chamber.

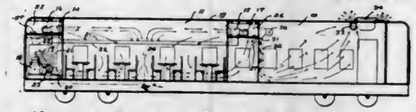
2,073,743
TIME SWITCH
Richard H. Hart, Huntington, W. Va., assignor of one-half to Grayson D. Thornton, Jr., Huntington, W. Va.
Application January 7, 1936, Serial No. 57,980
3 Claims. (Cl. 200—39)



1. In a time switch, a shaft, means coupling said shaft to the hour wheel of a clock, an insulated base rotatable about said shaft, contacts mounted on said base, a catch for one of said contacts, means actuatable by said shaft for operating said catch to close the contacts and for cocking said lever, the latter operable to open the contacts.

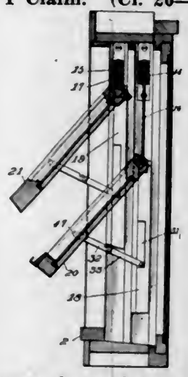
2,073,744
REFRIGERATION
Charles F. Henney, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application July 20, 1932, Serial No. 623,533
Renewed September 28, 1934
11 Claims. (Cl. 98—10)

1. A structure having two compartments with an inter-communicating passage, means for cooling the air in one of said compartments, means for creating a blast of air introduced from outside said structure across said passage to inhibit the circulation of air from one compartment to



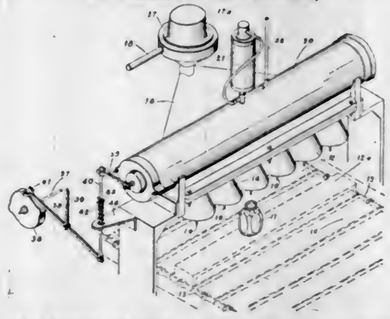
the other, and means for withdrawing air from one of said compartments to reduce the air pressure therein below the air pressure in the other of said compartments.

2,073,745
WINDOW
Alexander Kalla, Sr., Linden, N. J.
Application May 8, 1936, Serial No. 78,713
1 Claim. (Cl. 20—49)



In a window, a frame having each inner face provided with a vertical groove, a removable bar having a metallic strip secured thereto mounted in said groove, a slidable sash bar having a longitudinal slot, said metallic strip extending into said slot to guide said sash bar, a sash, unitary means pivotally and releasably connecting the upper edge of the sash to the top of said sash bar, means pivotally and releasably connecting an intermediate portion of the sash bar to the sash, and means releasably securing the bottom of the sash bar to the sash.

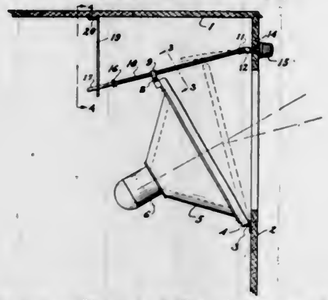
2,073,746
BOTTLE CLEANING DEVICE
Henry Keller, Astoria, N. Y., assignor to The Best Foods, Inc., New York, N. Y., a corporation of Delaware
Application February 24, 1933, Serial No. 658,308
12 Claims. (Cl. 15—14)



1. A device of the type described comprising a suction inlet adapted to receive the mouth of a container and connected to a suction device, a pressure chamber connected with a source of gas under pressure and having a nozzle extending through the opening in the suction inlet, and adapted to extend into the container, ball valve means for normally closing said nozzle, said means being held in a position to close said nozzle largely by the pressure in said chamber, and means for periodically actuating said valve means to suddenly open and close said nozzle to emit a sharp blast from the nozzle.

6. A device of the type described comprising a manifold, a plurality of openings in said manifold, a ball positioned in and adapted to close each such opening, a bar within said manifold having a plurality of holes each adapted to loosely receive one of said balls, means for preventing the balls from falling out of said holes, and means for actuating said bar to simultaneously roll said balls into and out of their normal positions to open and close said openings.

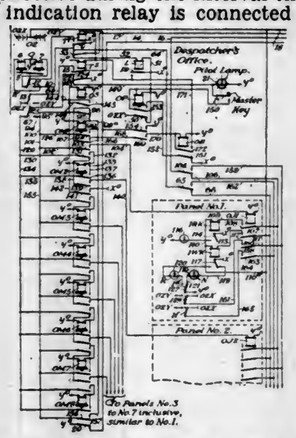
2,073,747
ADJUSTABLE SOUNDBOARD MOUNTING
Victor L. Koroncai and Rudolph S. Koroncai, Cleveland, Ohio
Application May 25, 1935, Serial No. 23,506
8 Claims. (Cl. 181—31)



1. In an appliance of the character described, the combination of a support, a sounding board articulated to one element of said support, and mechanism including a screw and nut for adjusting said board to and holding it in a plurality of selectable positions of adjustment.

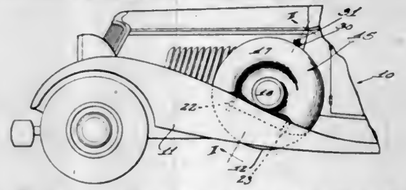
2,073,748
RAILWAY TRAFFIC CONTROLLING APPARATUS
Lloyd V. Lewis, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 16, 1928, Serial No. 254,689
82 Claims. (Cl. 246—3)

1. Railway traffic controlling apparatus comprising a plurality of traffic governing devices located at intervals along the trackway, a plurality of polarized relays one adjacent each such device, a normally open circuit including all such polarized relays in series, a plurality of indication relays one for each device all located at a control point and each responsive to the character of the current supplied thereto, a pair of line wires, means set into operation when the condition of any of said devices is changed for supplying said circuit with a predetermined number of energy impulses of alternately reversed polarity to operate said polarized relays in unison, means for successively connecting said indication relays with said line wires for a brief interval of time, and means controlled by each said polarized relay and effective during the interval that the associated indication relay is connected with said



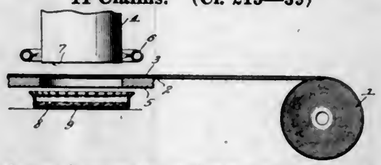
line wires to supply the line wires with an impulse of energy the character of which depends upon the condition of the device.

2,073,749
COMBINATION SPARE TIRE WELL AND COVER
George Albert Lyon, Detroit, Mich., assignor to Lyon Incorporated, Detroit, Mich., a corporation of Delaware
Application June 26, 1933, Serial No. 677,548
14 Claims (Cl. 224—29)



1. In combination with a spare tire in a well of an automobile, a cover for the tire and formed to telescope said well, including portions for covering the exposed outer side and tread of the tire and means for guiding the cover relative to the well and for pressing the cover tightly against the outer side wall of said well, thereby providing a tight fit between the cover and outer side of the well.

2,073,750
CAP
Charles E. McManus, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application July 28, 1931, Serial No. 553,626
11 Claims. (Cl. 215—39)



1. A cap having an interior liner or spot, said liner or spot comprising preformed material consisting of a layer of inert, waterproof, adhesive tissue provided on its outer face with a film of

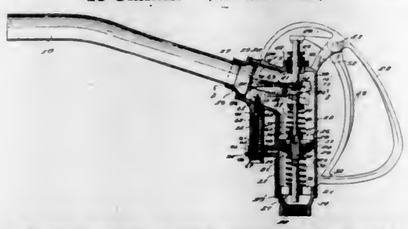
anti-sticking coating material formed directly thereon and adapted to prevent adhesion of said layer to the sealing lip of a receptacle upon application of the cap thereto.

2,073,751

DISPENSING NOZZLE

Fritz Niesemann, Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application September 30, 1929, Serial No. 396,283
15 Claims. (Cl. 277—20)



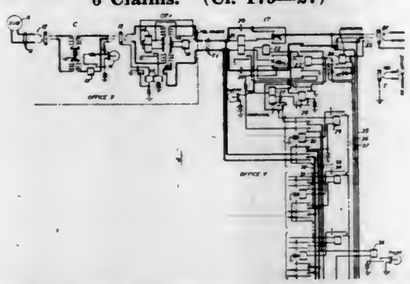
1. A dispensing nozzle comprising a body designed to permit the flow of fluid therethrough in two passages, a valve controlling each passage, manually operable means connected to one of said valves so that said means can move relative to said valve before causing the valve to be moved, and mechanism for the other of said valves, said mechanisms being connected to said manually operable means so that said last named valve is opened with snap movement after a predetermined initial movement of said manually operable means before it actuates said first named valve.

2,073,752

TELEPHONE SYSTEM

John Ernest Norton, Detroit, Mich., assignor to American Telephone and Telegraph Company, a corporation of New York

Application March 25, 1936, Serial No. 70,865
6 Claims. (Cl. 179—27)



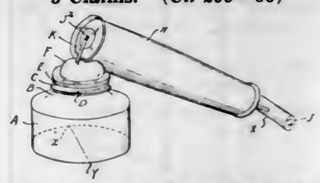
1. In a telephone system, subscribers' lines, a manual office, a tandem office, an automatic office, an operator's position equipment in said tandem office, said equipment including a telephone set and a numerical impulse sender, a trunk incoming from said manual office to said position, a line relay for operation upon seizure of said trunk in the manual office, means responsive to the operation of said line relay for connecting said incoming trunk to said operator's telephone set, a trunk outgoing from said position to said automatic office, a register controller in said tandem office for use in completing calls to lines in said automatic office, means for operatively connecting said numerical impulse sender to said register controller and for connecting said controller to said outgoing trunk, means effective upon completion of the transmission and registration of impulses corresponding to a called subscriber's number for operatively disconnecting said incoming trunk from said position equipment, means individual to said outgoing trunk for holding operated the line relay of said incoming trunk after disconnection of the incoming trunk from said position equipment, and means effective upon connection of said outgoing trunk with the called line in the automatic office for operatively disconnecting said register controller and for completing a talking connection over said incoming and outgoing trunks.

2,073,753

CORRELATING CAP FOR SPRAYERS AND SUPPLY CYLINDERS

John L. Novak, Traverse City, Mich., assignor to Acmeline Manufacturing Company, Traverse City, Mich., a corporation of Michigan

Application March 9, 1935, Serial No. 10,192
5 Claims. (Cl. 299—88)



1. A correlating cap for a flat-bottomed supply container of a sprayer, comprising a threaded lower portion adapted for attachment about the complementarily contoured filler neck of the container and a domed top portion having an angularly inclined troughed portion adapted for attachment to the under side of the pump cylinder at its forward end, whereby the rearward end of the pump cylinder is located in a plane substantially coincident with that of the flat bottom of the container.

2,073,754

LAMP STAND

Morris Ozlek, Philadelphia, Pa.

Application January 4, 1934, Serial No. 705,265
3 Claims. (Cl. 240—81)



1. An electric lamp stand including in combination, a base, a longitudinal upright member, electric bulbs, an electric cord and a disc flange centrally mounted upon said upright member, and extending radially out therefrom, a depressed

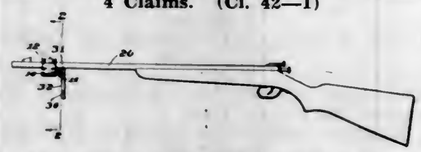
pocket in the center of said flange, upstanding, electric, bulb supports on said flange, mounted thereon near its periphery, a cap, said cap covering the top of said pocket, said flange having vertical holes, in which are fixed said supports, said vertical holes opening on the underside of said flange, and other holes radiating from the hollow of said depressed pocket, forming cord passages, communicating with the lower open ends of said holes for facilitating the threading of said cord through said depressed pocket and its flange to connect with said bulbs.

2,073,755

FIREARM ACCESSORY

Frederick William Poate, Shanghai, China, assignor to Luther Samuel Moore, Newtonville, Mass.

Application July 11, 1934, Serial No 734,595
4 Claims. (Cl. 42—1)



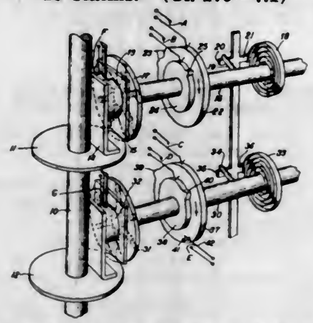
1. As a firearm accessory, a device for absorbing the shock of recoil comprising attaching means adapted to be secured to the firearm barrel and a resilient medium projecting from said attaching means, said attaching means being recessed to receive and grip said resilient medium to present a buffer surface adapted to abut the forward surface of a support positioned to the rear of said attaching means.

2,073,756

TIMING MECHANISM

Irving Charles Osten-Sacken, Glen Ridge, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application March 10, 1936, Serial No. 68,135
10 Claims. (Cl. 179—7.1)



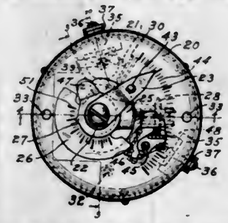
1. A timing device for measuring an initial period and an additional period comprising a driving member rotating at a substantially constant speed, a normally disengaged rotatable driven member, means for biasing said driven member to a normal position, an electromagnet for engaging said members at the beginning of said initial period, electrical contacts, means rotatable with said driven member for operating certain of said contacts when said driven member has advanced a predetermined distance from its normal position, a second rotatable driven member normally idle and biased to a normal position, means rotatable with said first driven member and effective when said first driven member has advanced to a position corresponding substantially to the termination of said initial period for causing said second driven member to be rotated at a substantially constant speed, and means rotatable with said second driven member and effective when said second driven member has reached a definite advanced position for operating certain of said contacts.

2,073,757

THERMOSTATIC SWITCH

Timothy A. Schaefer, Milwaukee, Wis.

Application December 11, 1933, Serial No. 701,791
12 Claims. (Cl. 200—139)



1. A thermostatic switch comprising, a base, a contact carried by said base, a pivot rotatably associated with said base, means for effecting rotary adjustment of said pivot about its own axis, said means being rotatable about said axis relative to said base and said pivot being rotatably adjustable relative to said means, and a spiral thermostatic element having its inner end mounted upon said pivot and having at its outer end a contact portion movable toward and away from said first-mentioned contact.

2,073,758

COMPOSITE PLATE FOR STAIR TREADS AND THE LIKE

John Schmeller, Sr., Lakewood, Ohio

Application July 31, 1935, Serial No. 34,064
6 Claims. (Cl. 94—5)



1. An article of the character described having in combination a flat elongated body member of relatively soft material, and a reinforcing grid embedded intermediate the top and bottom surfaces thereof, said grid having angular connecting elements providing an open mesh structure with the openings in staggered relation to each other in adjacent rows whereby said grid is freely expansible and contractible, and portions of said grid projecting from the upper surface of said body member to provide parallel series of spaced ribs to serve as wear-resisting elements.

2,073,759

MANUFACTURE OF POLYMETHINE DYES

Wilhelm Schneider, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

No Drawing. Application October 23, 1934, Serial No. 749,669. In Germany January 19, 1932
8 Claims. (Cl. 260—53)

5. The process of manufacturing a dye of the polymethine series which comprises condensing a compound selected from the group consisting

of hydroxythionaphthenes and hydroxyselenonaphthenes with a compound selected from the group consisting of an α-phenyl-amido-γ-phenylimidopropen hydrohalide and an α-phenylamido-ε-phenylimido-α.γ-pentadiene hydrohalide in the presence of an organic base as a condensing agent, in a boiling solvent.

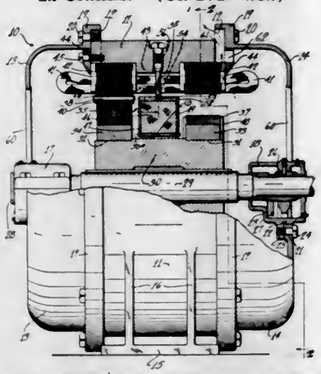
2,073,760

SYNCHRONOUS MACHINE

Theodor Schou, Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill., a corporation of Illinois

Application March 23, 1933, Serial No. 662,210

12 Claims. (Cl. 171—252)



1. In an electrical machine, means for mounting a laminated core to a frame or support, said means including an angulate mounting element adapted laterally to engage the core and the frame or support, a core clamping element, and a plurality of bars extending through and projecting beyond the laminations of the core, and adapted to secure the angulate mounting element and core clamping element in assembly with the core, said bars each having an expanded head portion recessed in portions of one of said elements, and each having its free end welded to the other of said elements.

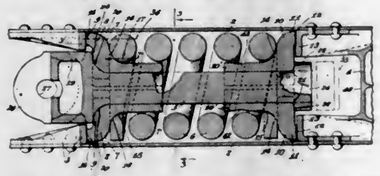
2,073,761

DRAFT GEAR

James A. Shafer, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio

Application March 29, 1933, Serial No. 663,277

25 Claims. (Cl. 213—35)



7. In a draft apparatus, draft sills, a friction member, a spring surrounding said member and extending across substantially the width and height of the space between said sills, a pair of front draft lugs, a set of friction shoes engaging opposite sides of said friction member and abutting said draft lugs, a pair of rear draft lugs, and a set of friction shoes engaging opposite sides of said friction member and abutting said rear draft lugs, said spring being interposed between said sets of friction shoes, said shoes, spring, and lugs being constructed and arranged to provide for rocking said shoes about an axis intermediate the ends of said shoes.

2,073,762

SAFETY PAPER AND METHOD OF MAKING THE SAME

Burgess W. Smith, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York

No Drawing. Application August 22, 1932, Serial No. 629,888

4 Claims. (Cl. 91—67.95)

1. A safety paper containing a salt of p,p'-diaminodiphenylthiourea adapted to react to produce a visible discoloration upon the application of a chemical ink eradicator.

2,073,763

SAFETY PAPER AND METHOD OF MAKING THE SAME

Burgess W. Smith, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York

No Drawing. Application August 22, 1932, Serial No. 629,889

4 Claims. (Cl. 91—67.95)

1. A safety paper containing a salt of p,p'-diaminodiphenyl sulfide.

2,073,764

SAFETY PAPER AND METHOD OF MAKING THE SAME

Burgess W. Smith, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York

No Drawing. Application August 22, 1932, Serial No. 629,890

2 Claims. (Cl. 91—67.95)

1. A method of making safety paper comprising the step of adding p,p'-diaminostilbene during or after the formation of the web for the purpose of producing, by its reaction, a visible indication of the use of an ink eradicator.

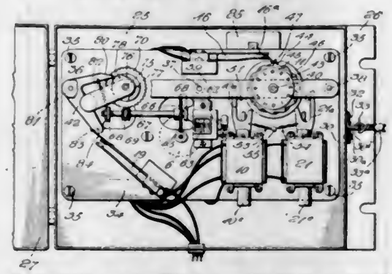
2,073,765

AUTOMATIC COIN CONTROLLED TIME REGISTERING ELECTRIC SWITCH

Hugh R. Smith, Los Angeles, Calif., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Original application June 29, 1931, Serial No. 547,718. Divided and this application January 18, 1932, Serial No. 587,333

8 Claims. (Cl. 200—38)



1. A circuit controlling mechanism comprising a driving mechanism, an electric switch movable to either an open or closed position, a lever having one end thereof engageable with said electric switch and having the other end thereof engageable by an angularly movable cam, and means controlled by said driving mechanism for imparting step by step progressive movement to said cam for shifting said lever from a position in which the contacts of said switch are maintained open to a position in which the contacts of said switch are closed.

2,073,766

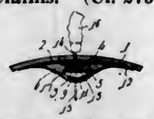
AIR VALVE FOR USE IN INFLATED BALLS

Shigetake Suzuki, Yoyogi, Shibuya-ku, Tokyo-shi, Japan

Application July 11, 1935, Serial No. 30,910

In Japan July 16, 1934

3 Claims. (Cl. 273—65)



1. An air valve for inflatable articles comprising an outside casing having a perforation, a button shaped element of non-resilient material having a perforation in alignment with said first-mentioned perforation, a bladder, a resilient valve member attached to said bladder and adapted to be detachably mounted upon said button-shaped element, said valve member having a hollow space therein, said valve member being maintained in closed condition by pressure from the interior of the inflated article, said valve member collapsing into said hollow space and against the lower end of the perforation in the button-shaped element.

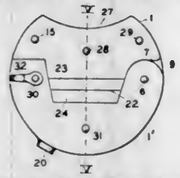
2,073,767

HAIR WAVING SCALP PROTECTOR

Harry F. Thompson, Pasadena, Calif.

Application May 28, 1935, Serial No. 23,852

3 Claims. (Cl. 132—36.1)



1. A protector in the class described including a pair of laminated jaws of insulating material, certain of the laminae in each jaw being cut away to form hinge lugs, intermediate latch lugs, and recesses, respectively; a hinge pin engaging said hinge lugs; a latch embedded within the edge of the protector and engaging said intermediate latch lugs; and resilient lips embedded in said recesses and forming part of the meeting edges of said jaws.

2,073,768

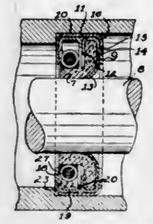
GREASE RETAINER WITH REENFORCED DIAPHRAGM

John H. Victor, Wilmette, and William A. Heinze, Chicago, Ill., assignors to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois

Original application January 27, 1933, Serial No. 653,820. Divided and this application August 26, 1935, Serial No. 37,824

2 Claims. (Cl. 288—1)

1. A grease retainer comprising a shell, a packing ring having a tubular portion to receive a shaft and a radially extending portion, an armor binding enclosing the marginal edge of the radial portion of the packing and engaging the shell at one end thereof, a reenforcing ring interposed between the other end of the shell and said armor



binding, annular countersunk portions adjacent the outer rims of the armor binding and the reenforcing ring, and correspondingly inturned edges of the shell fitted into said countersunk portions.

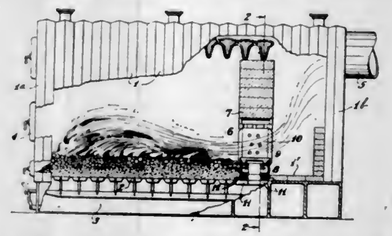
2,073,769

FURNACE

Fred B. Wadhams, Cleveland Heights, Ohio, assignor to Wadert Co., Inc., Cleveland, Ohio, a corporation of Ohio

Application May 4, 1933, Serial No. 669,314

15 Claims. (Cl. 110—64)



1. In a furnace having a combustion chamber and a flue, a burner structure through which the gases of combustion pass to the flue, said structure including a hollow member formed with openings in its top wall and a refractory walled port mounted on said member substantially above the fuel in said combustion chamber, the side and top walls of said port being spaced from the walls of the furnace to define air circulation channels connected with the openings in said hollow member to receive air therefrom, the side and top walls of said port being formed with openings to permit the air in said channels to flow into said port for admixture with the gases flowing through the latter to produce substantially complete combustion of the gases, and each of said side walls being formed with a vertically disposed baffle between the openings therein.

2,073,770

DISCHARGE CONTROL FOR PAVING MACHINES

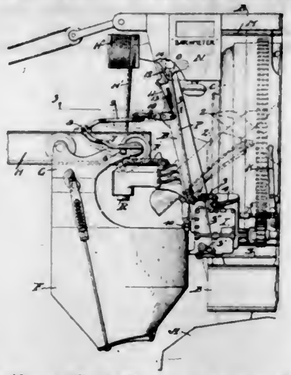
Charles H. Wagner, Washington, D. C.

Application April 16, 1931, Serial No. 530,653

18 Claims. (Cl. 83—73)

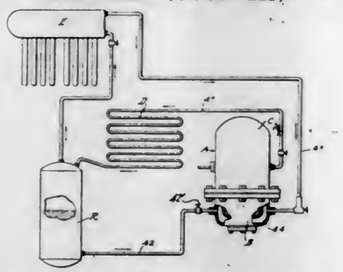
5. In a concrete paving machine, in combination, mixing means, charging means for feeding concrete aggregates to the mixing means, means whereby discharge of the mixing means may be effective, means for causing automatic operations of the charging and discharging means, a distributing element arranged to receive the mixed con-

crete from the discharging means and distribute the same, and control means for controlling oper-



ation of the automatic means operable by the distributing means.

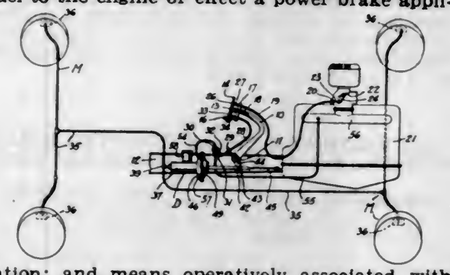
2,073,771
REFRIGERATION APPARATUS
Edward Wilson, St. Louis, Mo.
Application July 5, 1935, Serial No. 29,775
24 Claims. (Cl. 62—115)



1. In a machine of the character described, the combination of a compression chamber arranged to contain a body of liquid, stationary means for admitting air or gas to said chamber, rotary centrifugal impeller mechanism operating to cause a circulation of said liquid into said impeller mechanism and its discharge therefrom by centrifugal action, said impeller mechanism providing a vortex chamber having a lower open end immersed in the liquid of said compression chamber, interior impeller blades mounted in said vortex chamber, one set of said blades extending upward from the open end of said vortex chamber and another set being located at the top of said chamber, means co-operating with said impeller mechanism to cause a periodical interruption of the discharge of said liquid from the vortex chamber of the impeller mechanism and simultaneously to establish communication with said stationary member to permit gas to be drawn into said impeller mechanism by suction created by the discharging liquid, means for rotating said impeller mechanism, and a pressure chamber communicating with said compression chamber and having an outlet for permitting the utilization of the compressed air or gas.

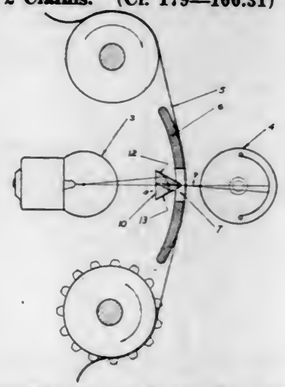
2,073,772
SPEED CONTROL SYSTEM FOR VEHICLES
David L. Winters, Los Angeles, Calif.
Application September 26, 1936, Serial No. 102,755
14 Claims. (Cl. 192—3)

1. In a vehicle, an engine for propelling the vehicle; power braking mechanism for the vehicle; foot actuated means operatively associated with the engine throttle and braking mechanism, by which same can be alternatively operated from a single location of the foot to either supply fuel to the engine or effect a power brake appli-



cation; and means operatively associated with the first means and braking mechanism by which the latter can be actuated to effect a manual brake application by movement of the first means bodily by the foot from the aforestated location thereof.

2,073,773
PHOTOELECTRIC CONVERTER
Lloyd J. Andres, Grand Rapids, Mich., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application September 27, 1933, Serial No. 691,175
2 Claims. (Cl. 179—100.31)

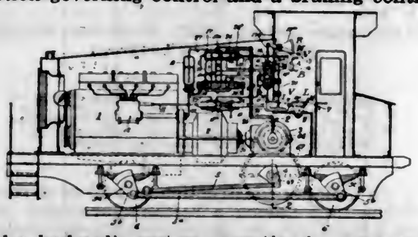


1. The combination in a sound reproducer, an optical system consisting of an ordinary constant voltage lamp, a triangular prism having a rectangular base exposed to the light, a fine grid screen formed on the base, the ends of the prism being inclined to reduce the length of the apex and the sides and the ends of the prism being coated to direct a large portion of the rays striking the base thru the apex in a thin beam light, means for guiding a film having a track of images thereon in close relation to the apex, and a photoelectric cell for receiving the beam after it passes the film.

2,073,774
LOCOMOTIVE CONTROL
Edouard Atteslander, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application July 17, 1935, Serial No. 31,941
In Switzerland July 21, 1934
20 Claims. (Cl. 192—.01)

1. In combination in a vehicle having a driving engine, running gear and selective transmis-

sion mechanism, whereby the running gear is driven from the engine in forward or reverse movement, a clutch for forward driving and a clutch for reverse driving, a fuel control, a direction governing control and a braking control,



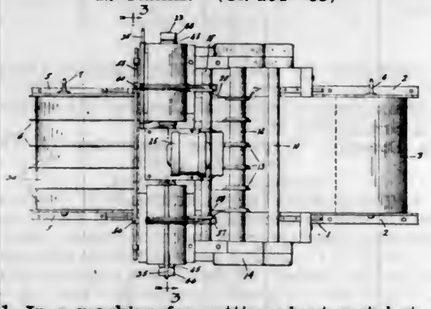
and a hydraulic system operative in response to the three controls just mentioned to maintain the connection of the clutch which corresponds to the driving direction when the braking control is operated.

2,073,775
FOOT CONTROLLER
Nat J. Baumel, Washington, D. C.
Application October 18, 1935, Serial No. 45,652
8 Claims. (Cl. 36—71)



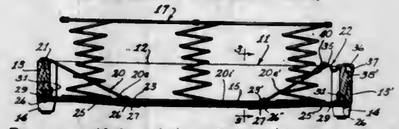
1. In a foot controller, a heel portion, means on the heel portion for pocketing the os calcis and an arch thrust portion extending medially and anteriorly from the forward edge portion of the heel portion.

2,073,776
SHEET STOCK CUTTING MACHINE
Richard O. Berg and Simon Berg, Detroit, Mich., assignors to Michigan Steel Tube Products Company, Detroit, Mich., a corporation of Michigan
Application May 13, 1936, Serial No. 79,566
12 Claims. (Cl. 164—65)



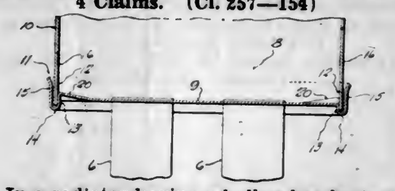
1. In a machine for cutting sheet metal stock into strips and having cutting instruments past which the stock moves for cutting the stock into strips and including cutting instruments for trimming the edges of the sheet; means for winding the trimmed waste edge comprising, a winding member, means for rotating the same, a member on the winding member movable bodily therewith and located radially outside of the winding surface whereby the waste edge is wound around both members with the said two members defining the circumferential extent of the inner windings, and means removably mounting said member on the winding member so that the same may be removed while the windings are in place to loosen the windings, whereby the same may be removed bodily from the winding member.

2,073,777
WEBBING SUPPORT FOR UPHOLSTERED FURNITURE
Samuel S. Bernstein, Beverly Hills, Calif.
Application March 30, 1936, Serial No. 71,616
13 Claims. (Cl. 155—179)



1. In an article of furniture which includes a frame having a flexible spring supporting sheet connected to the bottom of said frame, supporting means for the mid portion of said sheet comprising a flexible member having its ends secured to opposite sides of said frame at a substantial distance above said bottom sheet, said flexible member having an intermediate portion extending beneath the mid portion of said sheet, and means connecting said intermediate portion of said flexible member with the bottom of said frame.

2,073,778
RADIATOR
Martin G. Boerger, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application September 16, 1936, Serial No. 101,124
4 Claims. (Cl. 257—154)

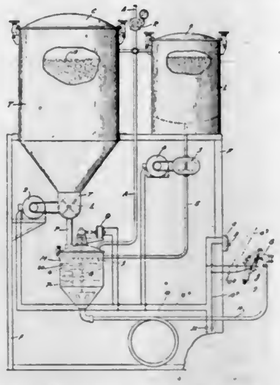


1. In a radiator having a hollow header including a plate and a hollow head joined at its marginal edges to the plate, the junction between the plate and the marginal edges of the head comprising a peripheral channel about the plate so disposed with respect to the plane of the plate that the inner wall of the channel is low while the outer wall of the channel is high, the marginal edges of the head being disposed in the channel, a fusible metal filling the channel and securing the marginal edges of the head therein, and means on said plate to increase the height of the inner wall of the channel at spaced points and thereby guard against inward displacement of the marginal edges of the head out of the channel during the securement thereof regardless of unevenness of said edges.

2,073,779
SPRAYING ADHESIVE-COATED MATERIAL
Svend Bramsen, Chicago, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application November 27, 1935, Serial No. 51,763
15 Claims. (Cl. 91—45)

1. An apparatus for supplying adhesive-coated and comminuted solid material to a spray device,

comprising a mixer casing sealed against the entry of atmospheric air and having its lower portion connected to the spray device; an agitator within the said casing; means also sealed against the entry of atmospheric air for feeding both material and a liquid adhesive into the upper portion of the said casing, the said means being



adjustable to effect the said feeding at such relative rates that the fed adhesive suffices only for surface-coating the particles of the fed material; means driving the agitator; and means for supplying a compressed gas to the upper portion of the said mixer casing for forcing the resulting adhesive-coated particles of material out of the said casing and into the spray device.

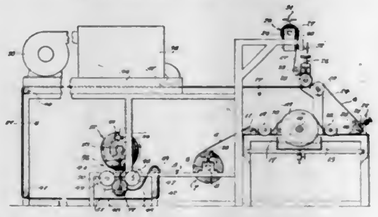
2,073,780

MACHINE FOR APPLYING FOIL TO PAPER

Frank E. Brooks, Batavia, N. Y., assignor to Ray D. Brooks, Jamestown, N. Y.

Application August 16, 1933, Serial No. 685,400

7 Claims. (Cl. 154—35)



1. In a machine for producing foil coated paper, paper supply means, a horizontal adhesive roll, a pan containing a sticky adhesive into which said roll dips, a horizontal roller arranged immediately adjacent each side of said adhesive roll and parallel therewith, means for passing the paper from said supply means under one of said rollers, the bottoms of said rollers being a substantial distance below the top of said roll whereby a large area of said paper is brought into contact with said roll, over and around the periphery of said adhesive roll and under the other of said rollers, means for driving said adhesive roll to provide a peripheral movement in the direction of travel of said paper and at a slightly higher peripheral speed than the rate of travel of said paper whereby the adhesive on said roll is wiped against said paper and means for applying foil to the coated side of said paper after leaving said last named roller.

2,073,781

BUILDING CONSTRUCTION

Salvator S. Calafati, New York, N. Y., assignor of three-fourths to Salvator S. Calafati, Jr., and one-fourth to John M. Cole, both of New York, N. Y.

Application July 6, 1932, Serial No. 620,997

28 Claims. (Cl. 72—1)



1. In building construction, a wall or partition forming unit having a rectangular frame with rigid top and bottom members and side members, each formed of sheet metal formed to a channel shaped cross section, the flanges of the channels extending inwardly from the edges of the frame, one of the side channels of the frame having a transverse web, a wide flange and a narrow flange, the flanges having regularly spaced holes.

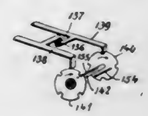
2,073,782

CLOCK MECHANISM

Edward S. Cole, Montclair, N. J., and Arnold Holst, Astoria, N. Y.; said Holst assignor to said Cole

Application November 22, 1930, Serial No. 497,506

6 Claims. (Cl. 200—30)



1. The combination with a clock and switch means arranged to be operated by the clock, said switch means comprising a rotary member rotated by the clock, a second rotary member operated by a different instrumentality and spring contacts co-operating with said rotary members and provided with means whereby they will be brought into contact with one another by said rotary members at predetermined intervals of time.

2,073,783

METHOD OF CORROSION PROTECTION

Frank W. Corkery, Clairton, Pa., assignor to Pennsylvania Industrial Chemical Corporation, a corporation of Pennsylvania

No Drawing. Application September 14, 1935, Serial No. 40,629

2 Claims. (Cl. 148—4)

1. The method herein described of producing shaped and protectively coated steel which comprises shaping the steel in conventional manner, temporarily protecting the shaped steel by applying to the surface of the steel a continuous impervious and adherent integument proof against water and subject to disintegration by reaction with mineral acids, in pickling the steel disintegrating and completely removing the temporary impervious integument by chemical reaction of the pickling acid therewith, thereby to impart to the steel a clean bright surface which is in preparation for the application of an ultimate coating thereto wholly free of the temporary protective integument, and in conventional manner effecting permanent protective coating of the shaped and pickled steel.

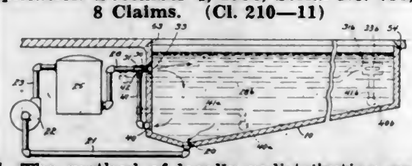
2,073,784

METHOD AND APPARATUS FOR CIRCULATING WATER IN SWIMMING POOLS

Louis J. Day, Floral Park, N. Y., assignor to Josam Manufacturing Company, Cleveland, Ohio, a corporation of Delaware

Application December 4, 1934, Serial No. 755,955

8 Claims. (Cl. 210—11)



1. The method of locally redistributing water in an open swimming tank having continuous vertical walls and a bottom wall, comprising drawing a main stream of water from the tank from a point at the bottom wall remote from the junction between the vertical walls and the bottom wall, returning it to the tank at a point on a vertical wall remote from such junction, and simultaneously drawing a supplemental stream from the tank at a point relatively close to said junction and returning said supplemental stream to the pool with the main stream.

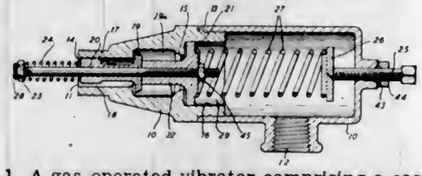
2,073,785

ACETYLENE GENERATOR FEED VALVE VIBRATOR

Maurice P. De Motte, Indianapolis, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application October 29, 1931, Serial No. 571,914

9 Claims. (Cl. 121—1)



1. A gas-operated vibrator comprising a casing having an inlet and an outlet for gas, a cylinder formed in said casing, a piston in said cylinder constructed and arranged to move out of said cylinder, and a recoil spring normally holding said piston in said cylinder, in combination with a poppet valve for closing the inlet to said cylinder, said poppet valve being movable with said piston, a guideway formed in said casing, and a guide in said guideway connected to said poppet valve.

2,073,786

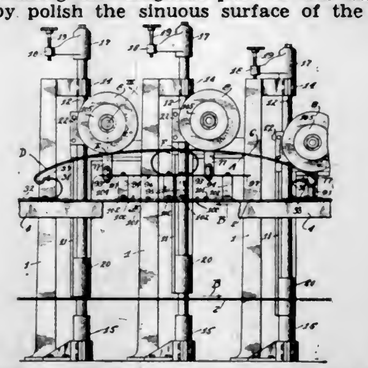
POLISHING MACHINE

Owen Doutt, Detroit, Mich., assignor to General Spring Bumper Corporation, Detroit, Mich., a corporation of Michigan

Application November 14, 1932, Serial No. 642,478

7 Claims. (Cl. 51—38)

1. In a machine for polishing a longitudinal substantially sinuous surface of a bumper bar, a support for holding such a bar in a position to be engaged by a polishing wheel, a polishing wheel having a polishing surface of a width substantially equal to the maximum dimension of the bar surface at right angles to the plane of rotation of the wheel, means for driving the wheel rotatably, means for causing relative movement between the support and the wheel in a direction parallel to the plane of the wheel, means for causing the wheel to automatically shift axially relative to the bar as the wheel passes along the diagonal part of the bar to thereby polish the sinuous surface of the bar,



and means providing a support for the wheel so that the same may float up and down in a plane of its axis, to enable the wheel to polish vertically offset portions of the surface of the bar.

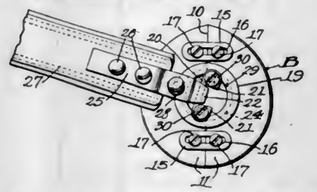
2,073,787

TRUSS

Lewis A. Fritsch, Cincinnati, Ohio

Application July 12, 1935, Serial No. 31,125

9 Claims. (Cl. 128—95)



1. A back plate for a truss pad, comprising stiff, plate-like pad-engaging parts disposed approximately in the same plane and laterally adjustable to accommodate pads of different sizes, and mechanism for holding said parts in adjusted, pad-engaging positions, said mechanism embodying transversely spaced members extended across the inner edges of the pad-engaging parts, and means for joining the end portions of each of said members to the respective pad-engaging parts.

2,073,788

BUILDING WALL STRUCTURE

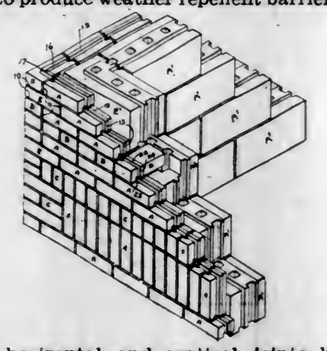
John C. Garvey and Adolph A. Krebiin, Milwaukee, Wis.

Application May 17, 1933, Serial No. 671,460

4 Claims. (Cl. 72—41)

1. A weatherproof building wall structure having inner and outer portions, said outer portion comprising a multiplicity of elements laid end to end in superposed courses with layers of binding material therebetween, each of said elements having an intermediate shoulder extending longitudinal of its top face, and another coplanar shoulder extending vertically across an end face thereof, each of said elements also having a longitudinal recess in its bottom face to accommodate both the longitudinal shoulder of the next lower element and the layer of binding material therebetween, each of said elements also having a vertical recess in its other end face to accommodate both the end shoulder of an ad-

jacent element and the layer of binding material therebetween, said several shoulders combining to produce weather repellent barriers with-



in the horizontal and vertical joints between said elements, and bonding elements engaged with both of said wall portions to permanently connect the same.

2,073,789

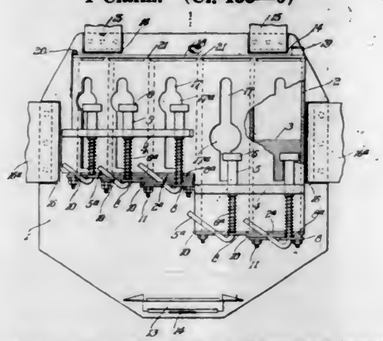
APPARATUS FOR DELIVERING CHANGE

Govan Gee, Winchmore Hill, London, England

Application April 20, 1934, Serial No. 721,571

In Great Britain April 21, 1933

1 Claim. (Cl. 133—6)



An apparatus of the class described having a tube to receive and hold coins, a laterally extending bracket on the exterior of the tube, a masking plate in the tube for the lowermost coin, fastening means securing the masking plate to the tube, a depressible rectilinearly movable plunger mounted in said bracket and masking plate, an operatively mounted expansive return spring engaging said masking plate, a coin-ejecting plate pivoted on the said fastening means above the masking plate and provided with an opening, said plunger having a part angularly disposed in said opening presenting an inclined surface to engage and actuate the coin-ejecting plate through depression of the plunger, and said part presenting a second inclined surface to engage and restore the coin-ejecting plate to normal position on return movement of the plunger urged by said spring.

2,073,790

PHOTOGRAPHIC EXPOSURE METER

William Nelson Goodwin, Jr., Newark, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey

Application October 21, 1932, Serial No. 638,967

13 Claims. (Cl. 88—23)

1. In an exposure meter, the combination with a casing, and means carried by the casing for measuring the brightness of a scene to be photographed, said means including photosensitive means and a measuring instrument having a scale of brightness graduations exposed to view at one face of the casing, of indicating means mounted on that face of said casing at which said instru-



ment scale is exposed for view, said indicating means including relatively movable elements adapted to be set to correlate the measured brightness of the scene with other exposure factors to determine an appropriate exposure condition for a negative, one of said relatively movable elements having brightness graduations corresponding to those of the instrument scale.

2,073,791

FLY CATCHER

Rudolf A. Graef, Laurys Station, Pa.

Application April 9, 1935, Serial No. 15,390

4 Claims. (Cl. 43—116)



1. In a fly-catching device, in combination with a ribbon coated with adhesive, a portable support therefor adapted to hold said ribbon in extended condition, and means interposed between said support and said ribbon adapted to keep said ribbon taut, said means including an elastic element attached to said support.

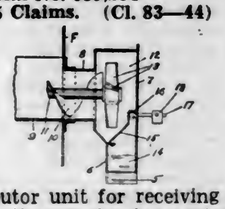
2,073,792

FEED MECHANISM

Carl C. Gray, Minneapolis, and Harry L. Johnson, St. Paul, Minn.

Original application May 24, 1930, Serial No. 455,233. Divided and this application October 24, 1932, Serial No. 639,284

5 Claims. (Cl. 83—44)



4. A distributor unit for receiving grain from a primary treating mechanism and delivering it

to a series of secondary treating mechanisms, comprising a housing, a tiltable gate disposed transversely within the housing for yieldably supporting a body of grain above and upon itself, an inlet opening above the gate, a feed screw for conveying grain through the opening to supply said grain body, a series of discharge openings below the gate and communicating separately with the respective secondary treating mechanisms, and an agitator for operation in said grain body above the gate.

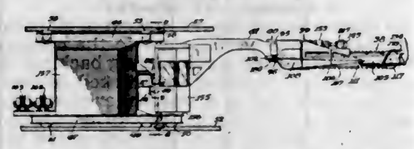
2,073,793

CAR TRIMMER

Wayne Gyger, Ottawa, Ill., assignor to Ottawa Silica Company, Ottawa, Ill., a corporation of Delaware

Application January 8, 1934, Serial No. 705,666

1 Claim. (Cl. 214—41)



A car trimmer comprising in combination, a support, an arm pivoted to the support and adapted to be swung into a car, a link pivoted at one end to the arm, an elongated distributor pivoted intermediate its ends on the opposite end of the link and comprising an endless belt provided with projections for propellingly engaging material in the car, means carried by the distributor for driving the belt, and means carried by the link and connected to the distributor between the inner end thereof and the distributor pivot for rocking the distributor, the link being formed as a housing for receiving the inner end of the distributor when in retracted position.

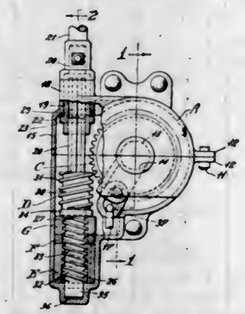
2,073,794

HAND BRAKE

Stacy B. Haseltine, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application April 1, 1935, Serial No. 14,027

20 Claims. (Cl. 74—505)



1. In a hand brake mechanism, the combination with a chain winding element; of cooperating worm gear members for rotating said element; screw means for displacing one of said worm gear members with respect to the other to effect disengagement of said members from each other and reengagement thereof, said screw means including a fixed nut and a cooperating screw member; and means for opposing movement of said screw member toward said nut during rotation of the worm gear member in brake tightening direction to prevent active engagement of the threads of the screw with the threads of the fixed nut.

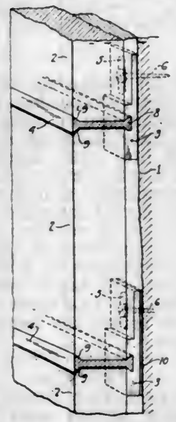
2,073,795

ATTACHING MEANS FOR WALL FACINGS

Robert D. Haugaard, Toledo, Ohio

Application December 26, 1935, Serial No. 56,165

8 Claims. (Cl. 72—19)



1. In an attaching device of the class described, a member having a rear portion formed to engage a wall or the like, said member having a longitudinal slot attaching means formed to be projected through the slot to attach the latter to the wall, said member being formed with a groove of dovetail cross section on its outer portion, and a strip independent of the member having a dove-tail portion for being slidably received in the dove-tail groove of the member.

2,073,796

COATING COMPOSITION

Charles B. Hemming, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 28, 1935, Serial No. 38,213

9 Claims. (Cl. 91—68)

1. Process of preparing labels and the like which comprises applying as a surface coat a lacquer containing low viscosity cellulose nitrate and a blown semi-drying vegetable oil, said oil having an iodine number between 60 to 80 cg/gm.

2,073,797

MANUFACTURE OF GLYCERIDES OF FATTY ACIDS

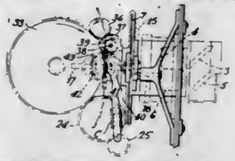
Thomas Percy Hilditch, Brownlow Hill, Liverpool, and John Gordon Rigg, Wallasey, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application June 21, 1935, Serial No. 27,812. In Great Britain July 2, 1934

17 Claims. (Cl. 87—12)

1. The process of producing esters containing a high proportion of monoglycerides which comprises esterifying glycerol with one or more fatty acids in a solvent medium composed of one or more monohydric mononuclear phenols.

2,073,798
PRODUCTION OF CINEMATOGRAPHIC EFFECTS IN COLOR AND MEANS THEREFOR
Albert George Hillman, London, England
Application December 1, 1934, Serial No. 755,527
In Great Britain December 8, 1933
18 Claims. (Cl. 88—16.4)



1. A camera for producing bands of color constituent negatives comprising a beam-dividing device for exposing two or more negatives to the same beam, a filter changing system, a shutter, an accelerated film shift mechanism to move the film by a single picture pull at each shift, said shutter comprising a main exposure shutter aperture and a partial exposure shutter aperture and being mounted to rotate so that the edges of the apertures are moving at the moment when they effect the exposures, in a direction contrary to that in which the band moves through the camera, so that the re-exposure of each negative commences before the exposure of the succeeding negative.

2,073,799
PROCESS FOR THE PRODUCTION OF HYDROXY ACIDS AND THE PRODUCT THEREOF
Julian W. Hill, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 18, 1935, Serial No. 22,177
15 Claims. (Cl. 260—112)

1. The process of producing a hydroxy acid from a polymeric anhydride of the general formula $(—CO—R—CO—O—)_x$, where "R" is an alkylene radical and "x" indicates a polymer, which comprises catalytically hydrogenating at a pressure of at least about 500 pounds per square inch said polymeric anhydride to a polyester and then hydrolyzing said polyester and recovering the hydroxy acid.

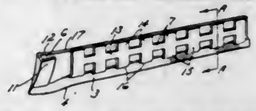
2,073,800
SURGICAL DEVICE
Wade King, Glencoe, N. Mex.
Application March 24, 1936, Serial No. 70,559½
1 Claim. (Cl. 128—303.11)



An instrument of the class described comprising a dilator of heat conducting material, and a heat absorbing and retaining ball mounted on and enclosing one end portion of said dilator, said ball including a rubber covering and a filler of cement and scrap metal in said covering.

2,073,801
RENEWABLE CUTTING EDGE
Herbert E. Linden, Beverly Hills, Calif.
Application October 8, 1934, Serial No. 747,364
8 Claims. (Cl. 97—125)

1. A renewable cutting edge for an earth-working implement including an elongated blade and means carried by said blade and cooperating therewith to frictionally retain the renewable

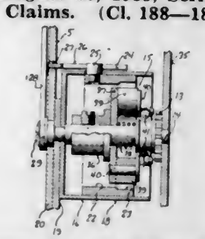


cutting edge on said implement which includes a continuous metal strip extending longitudinally of said blade and spaced therefrom and transverse extensions on said strip.

2,073,802
ART OF OIL PAINTING RESTORATION
George T. Oliver, Kennebunk, Maine
No Drawing. Application November 17, 1933, Serial No. 698,490
9 Claims. (Cl. 91—68)

1. In the process of the restoration of oil paintings on canvas and preparatory to the adhesive mounting thereof upon a reinforcing backing, the sequential steps of bringing the cracked, loosened or peeling paint film to a smooth, even surface; and applying to the back of the canvas, and impregnating the canvas with, material acting permanently to secure the paint film to the canvas and devoid of components which change their characteristics deleteriously with time or impair the painting.

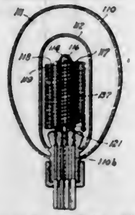
2,073,803
GOVERNOR FOR MOTION PICTURE CAMERAS
Charles E. Phillmore, Chicago, Ill., and James H. Tobin, Fond du Lac, Wis., assignors to Tobin Tool and Die Company, Inc., Fond du Lac, Wis., a corporation of Wisconsin
Application August 26, 1935, Serial No. 37,910
10 Claims. (Cl. 188—184)



1. In a governor, a stationary brake drum, a revoluble unit having inertia means rotatable within the brake drum and projectable outwardly by centrifugal force into contact with the internal diameter of the brake drum, and a ring slidable endwise within the brake drum for changing the internal diameter of the drum so as to enable adjustment of the speed the governor is to maintain.

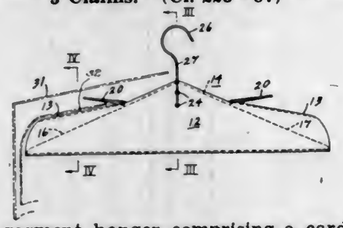
2,073,804
RADIO TUBE
Harry P. Pratt, Chicago, Ill., assignor to William Frederick Grower, Henry Asa Allen, George Squires Herrington, and Howard Thompson Ballard, trustees, acting with said Harry P. Pratt, as cotrustees of Pratt Radio Trust
Original application November 23, 1928, Serial No. 321,347. Divided and this application February 26, 1934, Serial No. 712,876
4 Claims. (Cl. 250—27.5)

1. In a radio tube a pair of evacuated chambers, one within the other, cathode, grid and plate elements within the inner evacuated chamber, a third chamber of narrow tube-like character extending within the inner chamber, and a heat-



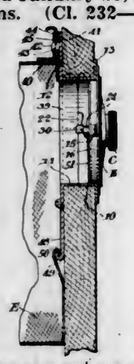
ing element disposed within the third chamber for supplying heat to the elements within the inner chamber.

2,073,805
GARMENT HANGER
Grace Reed, Chattanooga, Tenn.
Application December 1, 1933, Serial No. 700,422
3 Claims. (Cl. 223—87)



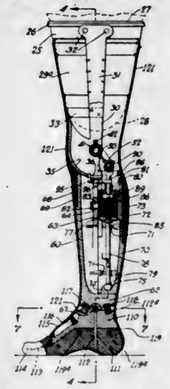
1. A garment hanger comprising a cardboard blank folded upon itself along its middle to provide garment supporting surfaces, said blank being provided near one edge with a pair of spaced apertures and near the other edge with an aperture registering with one of the first mentioned apertures, and a supporting hook threaded through the apertures, said hook on its blank engaging end being bent to provide an arcuate portion threaded through the two apertures and a straight portion extending upwardly between the edges of the blank.

2,073,806
PACKAGE DELIVERY ARRANGEMENT
George F. Roberts and John I. Beyette, Montreal, Quebec, Canada, assignors to Angus Robertson, Montreal, Quebec, Canada
Application June 11, 1934, Serial No. 730,140
Renewed January 23, 1937
2 Claims. (Cl. 232—41)



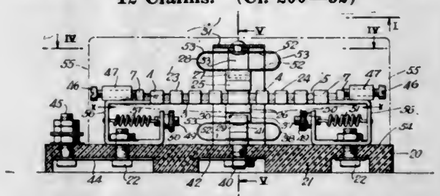
1. A delivery arrangement comprising a casing member adapted to extend around an aperture in a door, said casing member being provided with inner and outer flanges, a plate hingedly connected to the lower side of the inner flange, a fixed pin mounted on the upper side of said inner flange, a receptacle having an aperture adapted to register with the aperture in the door, said receptacle being removably attached to the hinged plate and having at its top a cross bar with an opening through which the pin may project, a sliding plate on the cross bar adapted to cooperate with a notch in the fixed pin removably to retain the receptacle in place, a door hingedly connected to the casing through which access may be gained to the receptacle, and means for automatically locking said door when it is closed.

2,073,807
ARTIFICIAL LIMB
Frank Ronowsky, Bath, N. Y.
Application September 2, 1936, Serial No. 99,078
3 Claims. (Cl. 3—2)



2. An artificial leg comprising a thigh portion, a leg portion pivoted thereto, a member fixed with respect to said thigh portion and having a projecting arm constituting a stop member, a rod having a ball and socket connection at one end thereof, to said leg portion, a cylinder fixed to said rod, yielding compressible means within said cylinder, a piston within said cylinder engaging said compressible means, and a stem on said piston having a roller engaging said stop.

2,073,808
CIRCUIT CONTROLLER
Oscar A. Ross, New York, N. Y.
Application August 9, 1928, Serial No. 298,437
12 Claims. (Cl. 200—52)



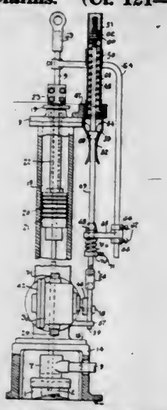
1. In a quick acting circuit breaker, a contact operating member having an inherently operated bi-material flexing portion, means for rigidly securing the ends of the member for initially effecting movement of the flexible portion for a period of comparatively slow movement followed by a period of comparatively rapid movement after

passing through a critical stage therebetween, the movement being in response to changes in the condition of the gases surrounding the member, a primary contact supported by the flexing portion arranged to be moved therewith, a resiliently supported secondary contact arranged to normally engage the primary contact and move therewith through both the comparatively slow and rapid movements thereof, and means abruptly arresting the movement of the secondary contact during the comparatively rapid movement thereof for effecting a quick opening of the contact.

2,073,809

MOTOR FOR OIL WELL PUMPING SYSTEM

Herbert M. Salentine, Los Angeles, Calif.
Application April 18, 1932, Serial No. 605,916
12 Claims. (Cl. 121—164)



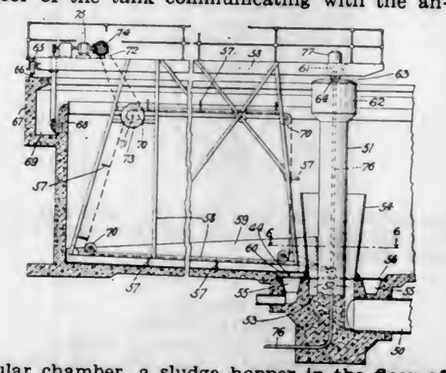
1. In a single acting hydraulic motor adapted to vertically reciprocate a suspended weight, said motor having a cylinder, a piston therein, a piston rod connected with said weight and a reciprocating valve arranged to control the flow of actuating fluid to and from only the lower end of said cylinder; means for actuating said control valve comprising: a trip rod operatively connected to said valve; a spring arranged to constantly urge said trip rod to upward movement, one end of said spring being held in fixed position as regards said cylinder; a reverse rod moving in unison with said piston rod; a stop on said trip rod cooperating with a projection from said reverse rod to move said trip rod downwardly against the urgency of said spring and thereby to actuate said valve to admit said fluid below said piston; a latch arranged to engage said trip rod at the end of said downward movement, and means carried by said projection to release said latch thereby permitting said spring to move said trip rod upwardly and to actuate said valve to release said fluid from below said piston.

2,073,810

SETTLING TANK

William W. Sayers and Richard F. Bergmann, Chicago, Ill., and Harold F. Watson, Philadelphia, Pa., assignors to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application June 15, 1935, Serial No. 26,780
12 Claims. (Cl. 210—55)

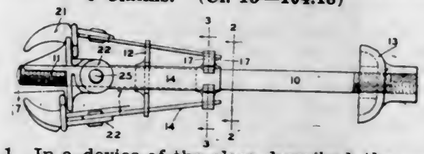
3. In a sedimentation tank, a column extending upwardly through the floor thereof, an annular chamber beneath the floor of the tank encircling the column having an annular discharge opening about the column through the floor of the tank and an influent conduit beneath the floor of the tank communicating with the annular chamber, a sludge hopper in the floor of the tank encircling the annular discharge opening, means for withdrawing sludge from the hopper and means for conveying sludge from the tank floor and depositing it in the hopper.



2,073,811

FLUE CLEANER

Chauncey F. Shultz, St. Louis, Mo.
Application April 11, 1936, Serial No. 73,861
6 Claims. (Cl. 15—104.18)

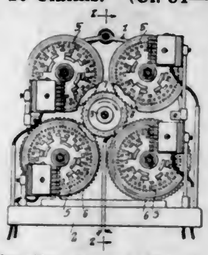


1. In a device of the class described, the combination with a threaded spindle, of a spreader on said spindle, a plurality of spring arms engaging with said spreader, scrapers carried by said arms, said spindle being provided with a peripheral projection, a hub comprising two parts positioned one at each side of the projection, means for securing the arms to the hub, and abutments on the arms engaging the hub to hold the parts thereof together.

2,073,812

MUSICAL VIBRATION APPARATUS

Victor H. Severy, Los Angeles, Calif.
Application January 25, 1935, Serial No. 3,498
10 Claims. (Cl. 84—1)

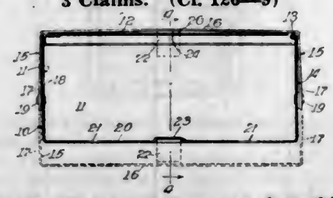


1. In a vibration apparatus, the combination of a frame, a rotary contact disc mounted on the frame having a ring thereon composed of circumferentially disposed insulation spots alternating with metallic conductive spots, the forward and rear marginal lines of said insulation spots being disposed on radial lines from the axis of rotation of the disc, and a brush cooperating with the disc having a contact tip in engagement with the ring, said contact tip having a contact face having its greatest width toward the margin of the disc and having its side edges disposed substantially on radial lines from the axis of the disc.

2,073,813

FOLDING CAMP STOVE

John Slezak, Sycamore, Ill., assignor to Turner Brass Works, Sycamore, Ill., a corporation of Illinois
Application June 13, 1936, Serial No. 85,056
3 Claims. (Cl. 126—9)

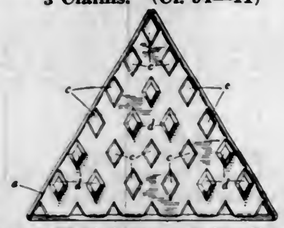


2. In a folding camp stove a U-shaped bail-like leg member, pivotally mounted to swing over the end of the case to a position where the connecting bar of the leg lies above the cover of the case and also to a position where said bar is positioned below the bottom of the case for supporting same, a projection extending inwardly from the connecting bar of the leg, the arrangement being such that when the bail is swung to case closed position said projection will contact the end wall of the case, and when swung to case opened position the projection will contact the bottom of the case, and the bottom of the case provided with a small depression into which the free end of said projection snaps when the leg is swung down to case supporting position.

2,073,814

NONSLIP SURFACES FOR PAVING BLOCKS

Francis Gordon Small, Pinner, England
Application December 7, 1932, Serial No. 646,201
In Great Britain December 10, 1931
3 Claims. (Cl. 94—11)



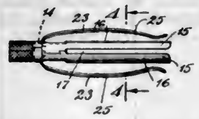
1. A paving block having a plurality of integral load-carrying projections of uniform height and a plurality of integral uniformly-higher load-carrying projections to constitute abutments to objects sliding on the lower projections, said higher projections being so grouped together that a surface covered by an assembly of said blocks is provided with uniformly distributed groups of said higher projections in staggered relationship substantially as set forth.

2,073,815

HAIR WINDER

Nathan L. Solomon, Brooklyn, N. Y.
Application November 11, 1935, Serial No. 49,181
22 Claims. (Cl. 132—33)

1. A hair curler comprising a forked tubular member, hair confining means rotatable relative to said member and comprising a collar having spaced arms longitudinally straddling and spaced from the forked portion of said member, said

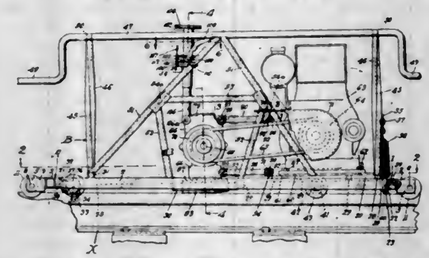


member, and spaced stop means cooperating with spaced portions of said collar to prevent longitudinal displacement of said arms in respect to said tubular member.

2,073,816

TRACK GRINDER

Henry H. Talboys, Milwaukee, Wis., assignor to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application November 16, 1935, Serial No. 50,093
20 Claims. (Cl. 51—178)

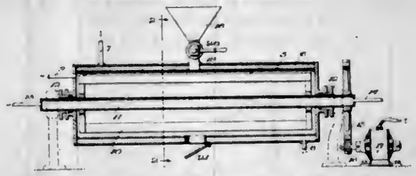


1. In a track working tool, an outside frame, supporting means on said frame adapted to engage both rails of a track, an inside frame, held against horizontal bodily movement in relation to the outside frame, and tiltable, in relation thereto, means for supporting it directly upon a rail of said track, and a track working member mounted on said inside frame, and means for actuating it.

2,073,817

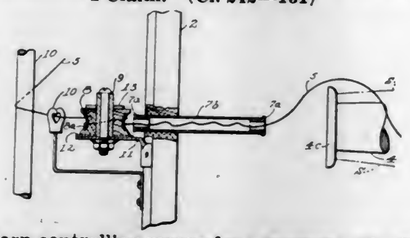
METHOD OF TREATING WET BASIC CARBONATE WHITE LEAD PULP

Edward D. Turnbull, Scranton, Pa., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
Application October 27, 1933, Serial No. 695,545
10 Claims. (Cl. 134—72)



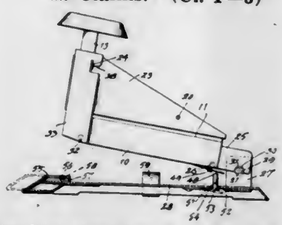
1. The herein described method of producing a dry basic carbonate white lead powdered pigment having a reduced oil absorption capacity and a reduced bodying action, comprising thoroughly washing basic carbonate white lead pulp with water for removing the water soluble salts, separating the pulp from the excess water, and then subjecting the wet pulp to the action of heat and agitation in the presence of a pressure substantially below atmospheric pressure to dry the pulp and produce the powdered pigment.

2,073,818
TENSIONING MEANS
Henry J. Viens, Pawtucket, R. I., assignor to Lorraine Manufacturing Company, Pawtucket, R. I., a corporation of Rhode Island
Application June 8, 1933, Serial No. 674,853
1 Claim. (Cl. 242—131)



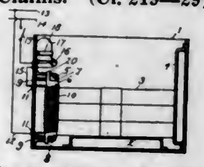
Yarn controlling means for a warper or the like having a creel with a yarn supplying spool mounted fixedly thereon with its axis substantially horizontal, and means for pulling the yarn therefrom, comprising, in combination, a bracket mounted on said creel having a horizontally disposed surface; a non-rotatable spindle attached at its lower end to said bracket and upstanding therefrom with its axis vertical; a washer rotatable on said spindle and lying on the horizontally disposed surface of the bracket and having on its opposite side a smooth surface; a roller rotatable on said spindle having a smooth surface resting on the smooth surface of the aforesaid washer and having a grooved face; a band of rubber lying in said grooved face and constituting a surface around which the yarn is wound so as to rotate the roller during the pulling of the yarn; a washer resting on said roller to control the frictional resistance between the smooth surface thereof and the smooth surface of the washer below the roller, whereby the desired tension on the yarn is effected; and a tube having a diameter less than the width of the grooved face of the roller and having a length several times greater than its diameter mounted on the creel with its axis substantially in alignment with the axis of the supply spool, with one end closely adjacent to the rubber surface of the roller and with its other end near the delivery end of the spool, whereby the yarn is withdrawn from the spool in approximate alignment with its surface and guided uniformly to the rubber surface of the roller.

2,073,819
STAPLING MACHINE
Max Vogel, Frankfort-on-the-Main, Germany
Application August 5, 1935, Serial No. 34,800
In Germany March 2, 1935
12 Claims. (Cl. 1—3)



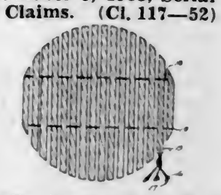
1. A stapling machine in which the staples can be loaded from the front end, comprising a housing, a staple carrying rail in said housing hinged at its rear end thereto, a front cover plate for said housing hingedly connected to said rail whereby said cover plate can be folded down to expose the rail at its front end and as a continuous movement therewith said rail can be swung down to permit a staple strip to be engaged therewith and releasable co-acting locking means on said housing and cover plate adapted to normally secure said cover plate to said housing in closed position.

2,073,820
DEVICE FOR MARKING VALUABLE PAPERS
George E. Von Berg, New York, N. Y.
Application February 8, 1936, Serial No. 62,915
4 Claims. (Cl. 219—29)



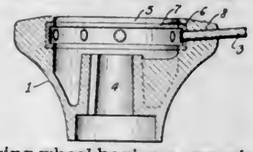
1. A device for marking valuable papers, comprising a plurality of electric conductors adapted to be electrically heated to incandescence, means to keep the conductors in an operative contact with the papers, a manual means for connecting the conductors with a source of electric current, a sealed container with a fire extinguishing liquid supported near the conductors, and an electric heating element adapted to open the container and further adapted to be heated simultaneously with the conductors.

2,073,821
MANUFACTURE OF TIRE CORDS
John William Yaxley, Montreal, Quebec, Canada, assignor to Drummondville Cotton Company, Limited, Montreal, Quebec, Canada
Application October 6, 1933, Serial No. 692,390
3 Claims. (Cl. 117—52)



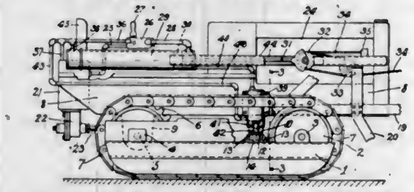
1. A composite tire cord made up from the yarns resulting from the carding of a lap composed of a thorough mixture of cotton and asbestos fibers.

2,073,822
STEERING WHEEL
John W. Anderson, Portland, Ind., assignor to Sheller Manufacturing Corporation, Portland, Ind., a corporation of Indiana
Application September 9, 1935, Serial No. 39,681
4 Claims. (Cl. 74—552)



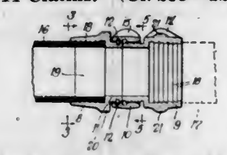
1. A steering wheel having a one-piece hub with a control-mount receiving socket in its top, a steel ring encompassing the socket in exposed position within its side wall, said side wall and ring having aligned spoke-receiving openings therein, and spoke wires inserted through said openings and integrally fixed at their inner ends to the ring.

2,073,823
VEHICLE SUSPENSION
William C. Anthony, Streator, Ill., assignor to Anthony Development Company, a syndicate, Streator, Ill.
Application November 18, 1935, Serial No. 50,334
10 Claims. (Cl. 180—1)



1. In combination in an automotive vehicle, a running gear assembly, a body assembly, means for supporting the said body assembly on the running gear assembly, and yielding means, separate from said first mentioned supporting means, for supporting the body assembly on the running gear assembly, an engine supported from said body assembly, and means positioned on said body assembly for raising a variable load, and means for counterbalancing the effect of said load, said means comprising an auxiliary load carrier supported from said body assembly and adapted to direct a supporting thrust upon said running gear assembly, said auxiliary load carrier comprising relatively movable parts and being connected with said load-raising means to be actuated thereby in response to variations in load.

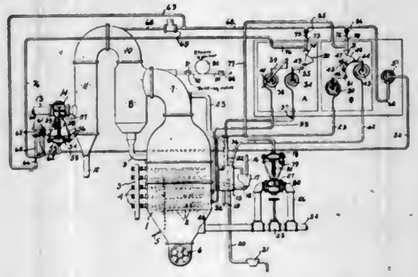
2,073,824
HOSE COUPLING
Cassius M. Clay Baird, Evanston, Ill.
Application September 3, 1936, Serial No. 99,190
11 Claims. (Cl. 285—120)



1. In a coupling, two end members, and a coupling ring swiveled to one of said members and having coupling engagement with the other member, said members being provided with substantially radial projections extending outward beyond said ring and constituting means effective for guarding said ring in all angular positions of the coupling relative to its axis, said ring being between said projections.

2,073,825
AUTOMATIC TEMPERATURE AND PRESSURE CONTROL SYSTEM
Rudolf Beck, Bridgeport, and Roy C. Sylvander, Fairfield, Conn., assignors to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application September 5, 1934, Serial No. 742,720
7 Claims. (Cl. 159—44)

1. An apparatus as described comprising a vacuum pan, means in said pan for heating it, a condenser connected to said pan, a cold water supply connection to said condenser, a fluid pressure operated valve in said connection, a connection from said pan to the fluid pressure operated valve whereby said valve is directly operated by pressure changes in said pan to vary the amount of cold water delivered to said condenser, a closed water boiler in communication with said pan, means for boiling the water in said boiler, means subject to the temperature of the water in the boiler for controlling also the fluid pressure operated valve for maintaining the pressure in said pan at a desired value, and manually operated means for opening said connection to the fluid pressure operated valve to the atmosphere, whereby said valve is snapped to closed position.



5. In an apparatus as described the combination comprising a vacuum pan, heating means in said pan, a material supply connection to said pan, a valve in said connection, a fluid pressure operated motor connected to said valve, a pipe connection from said motor to said pan having a restriction and a port, pressure responsive means including a valve member operable past said port, and thermostatic means in the water boiler and in the pan connected to said pressure responsive means so that the port opening is varied in accordance with the temperature difference between the pan and the boiler, the fluid motor being arranged so that the valve will move in the proper direction in case of a change in pan pressure without or ahead of action by the temperature responsive means.

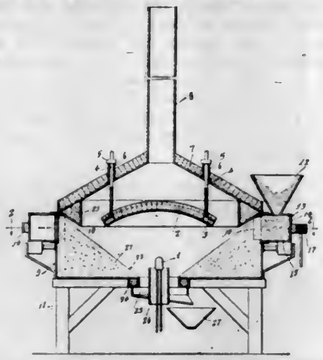
2,073,826
METHOD OF MAKING BORIDES
Clarence W. Balke, Highland Park, Ill., assignor to Ramet Corporation of America, North Chicago, Ill., a corporation of Illinois
No Drawing. Application May 28, 1934, Serial No. 727,983
5 Claims. (Cl. 75—137)

1. A method of making borides which comprises grinding metal and purified boron together, heating the finely divided mixture of boron and the metal while excluding the embrittling gases therefrom to chemically combine said metal and boron, and degasifying the boride thus formed in a vacuum.

2,073,827
APPARATUS FOR PRODUCING DEHYDRATED AND CRYSTALLINE ANHYDROUS SODIUM TETRABORATE
Leroy G. Black, Trona, Calif., assignor to American Potash & Chemical Corporation, Trona, Calif., a corporation of Delaware
Application March 7, 1931, Serial No. 520,970
12 Claims. (Cl. 23—277)

2. A furnace comprising a reaction chamber formed by top, bottom and sidewalls and having an outlet located in the floor between the sidewalls and a substantially continuous inlet aperture for the charging of raw material, means for forcibly introducing raw material through

said aperture to form a pile of charged material covering the aperture and extending therefrom



toward the outlet, and means for applying heat to the surface of the pile.

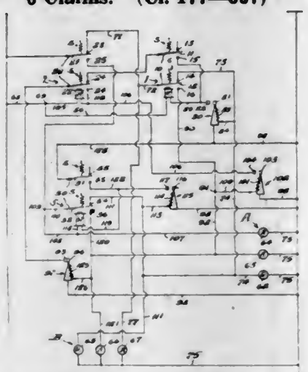
2,073,828

CYCLE TIMER

Herbert J. Brandenburger, St. Louis, Mo., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York

Application December 24, 1931, Serial No. 583,033

6 Claims. (Cl. 177—337)



1. A cycle timer including a series of successively operable double throw switches, each having a movable member and each having means for initially throwing said member into its starting position, electro-magnets, one for each switch, for throwing the member thereof into its second position, a feed circuit, and work circuits connectable in the feed circuits through the double throw switches, starting circuits for the magnets, the starting circuit for the first magnet being connected in the feed circuit through the member of the first double throw switch when in its starting position, and the movable member of the first switch, when in starting position, being connected in the feed circuit through the movable member of the second switch when the latter is in its starting position and similarly when the movable member of the first switch is in its second position, a normally open thermal switch in each starting circuit, a heating coil arranged in juxtaposition to each starting switch to heat and flex the same to close the companion starting circuit, the heating coil of the first starting circuit being connected in the feed circuit through the said member of the first double throw switch when in its starting position, and the heating coil of the second and each succeeding starting circuit switch being connected in the feed circuit through the preceding double throw switch when in its second position, a second series of switches one for each of the first said series of double throw switches, and each having a member movable in correspondence with the said movable member of the companion switch in said first series, stick circuits for the electro-magnets each stick circuit including one of said second series switches when in its second position, and timed means operated by the last of the double throw switches when in its second position for opening the stick circuits that are closed.

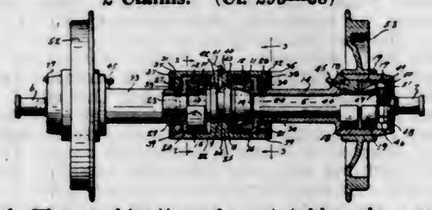
2,073,829

VEHICLE AXLE

Luther S. Brown, Fresno, Calif.

Application June 8, 1934, Serial No. 729,543

2 Claims. (Cl. 295—38)



1. The combination of a rotatable axle, a pair of rotatable sleeves mounted on said axle to surround the same, one at each end thereof, and means between said axle and sleeves for preventing relative lengthwise movement therebetween comprising an integral collar formed around said axle centrally of the length thereof and having an annular groove in the outer periphery thereof, and a longitudinally separable housing surrounding the inner ends of said sleeves and said axle collar and having an interior concentric tongue arranged to fit within the groove in said collar and prevent lengthwise movement between said housing and said axle.

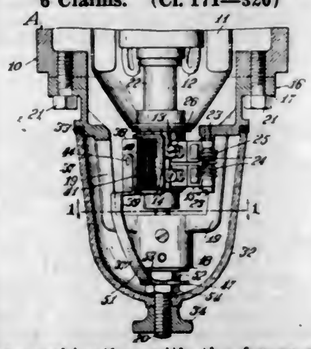
2,073,830

COMMUTATOR CLEANER FOR ELECTRIC MOTORS

Glenn H. Caley, Middletown, N. Y., assignor to Russell B. Arnold, Chicago, Ill.

Application June 11, 1936, Serial No. 84,746

6 Claims. (Cl. 171—320)



1. The combination with the frame and commutator of an electric motor, of a cleaning pad for engaging said commutator, means for yieldingly pressing said pad radially toward the axis

of rotation of said commutator, and securing means for connecting said pressing means to said frame, said securing means being operative to engage said pressing means to give different radial adjustments of said pressing means thereby to vary the pressure of said pad on said commutator, and further operative to permit rotation of said pressing means about said axis of rotation thereby to permit adjustment of said pad circumferentially of said commutator.

2,073,831

COMPOSITION FOR CONDITIONING RUGS

Norman L. Cohen and Columbus W. Vincent, Los Angeles, Calif.

No Drawing. Application September 4, 1935, Serial No. 39,190

2 Claims. (Cl. 154—49)

1. A rug having a lining applied to the back consisting of a composition made of wheat flour, one pound; magnesium chloride 36° Bé., three pounds; and a cellulose material imbedded in the surface of the lining.

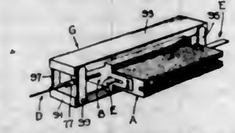
2,073,832

BLADE INSPECTION METHOD AND APPARATUS

Godfrey Dalkowitz, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia

Application December 30, 1932, Serial No. 649,579

27 Claims. (Cl. 209—122)



1. The method of inspecting safety razor blades which comprises the steps of stacking and spacing said blades in assembled units so as to resiliently and yieldably hold said blades and members in such stacked relation, tilting said sets of blades while in stacked relation at an angle so as to simultaneously expose on all the blades the portion to be inspected and inspecting the same, interlocking said blades with portions of the assembled unit, uniting said blades only and releasing said blades from said assembled unit whereby said blades may be removed as a unit.

5. In apparatus for inspecting double-edged razor blades comprising spacing members adapted to receive and retain blades therebetween, means for resiliently and yieldably holding said members and blades in assembled contact, an element holding said blades against rotational movement in their seats between said members, means for holding said spacer-blade assembly in aligned relation, and adapted to tilt said members and blades so as to expose the surfaces of each blade adjacent the edges thereof, and means adapted to prevent displacement of the free ends of said blades while said members and blades are tilted.

2,073,833

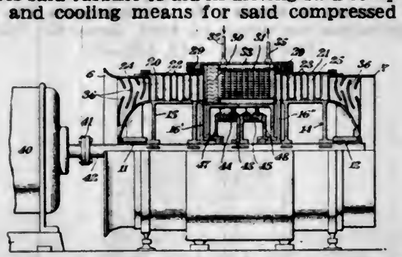
AIR CONDITIONER

George de Bothezat, New York, N. Y.

Application August 29, 1935, Serial No. 38,381

4 Claims. (Cl. 62—136)

4. Air-conditioning apparatus comprising a rotary air compressor and a rotary air expansion turbine coupled together end to end with coaxial delivery from one to the other so that the expansion of air compressed by said compressor actuates said turbine to aid in driving said compressor, and cooling means for said compressed air



acting to dehumidify said air before reaching said turbine so that there is substantially no further moisture condensation in said turbine.

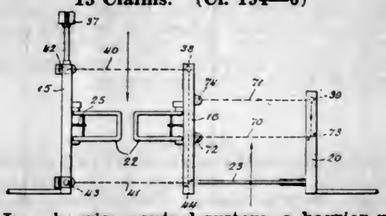
2,073,834

BARRIER CONTROL SYSTEM

Andrew J. Duany and Henry Thomas Randall, New York, N. Y.; said Randall assignor to said Duany

Application February 17, 1936, Serial No. 64,245

15 Claims. (Cl. 194—6)



1. In a barrier control system, a barrier movable to open and closed positions, a light sensitive element, two beams of light therefor of different intensities arranged for successive interruption, and means responsive to interruptions of said beams in one order of succession for preventing operation of said barrier and further responsive to interruptions of said beams in a reversal of said order for operating the barrier.

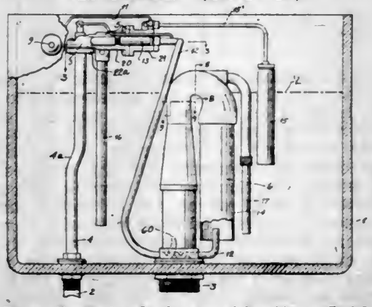
2,073,835

FLUSH TANK APPARATUS

Walter H. Finley and Charles H. Hamilton, Nashville, Tenn.

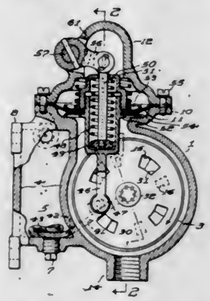
Application November 11, 1935, Serial No. 49,210

12 Claims. (Cl. 4—44)



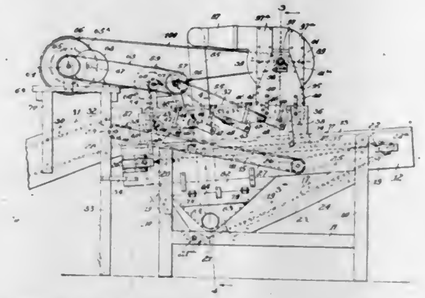
1. In a flush tank, in combination, fluid pressure operated means to fill the tank, fluid pressure operated means to empty the tank, respective valves for said means, and devices operated by fluid pressure to normally hold both valves closed.

2,073,836
FLUID CONTROL VALVE
James B. Franks, Jr., Philadelphia, Pa.
Application November 15, 1934, Serial No. 753,098
11 Claims. (Cl. 303—54)



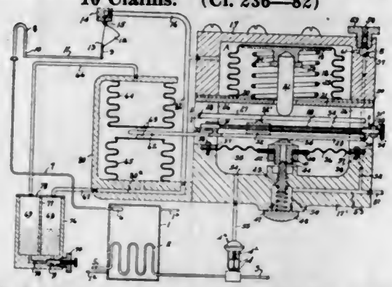
1. A valve of the class described comprising means providing a valve chamber and a valve seat having a pair of ports, a rotatable valve disk associated with the seat in the chamber having a port adapted to register selectively with each of the seat ports, yielding means for actuating the disk, and means influenced by fluid pressure differences between the chamber and a space exterior thereof operable to actuate the disk in opposition to the yielding means.

2,073,837
ARTICLE CLEANING AND SORTING MACHINE
William E. Ghent, Atlanta, N. Y., assignor to Boggs Manufacturing Corporation, Atlanta, N. Y., a corporation of New York
Application December 18, 1934, Serial No. 758,067
10 Claims. (Cl. 146—202)



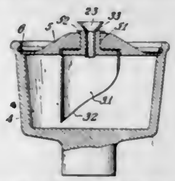
1. In a machine for cleaning articles, a frame, a conveyor on the frame for advancing the articles, a housing on the frame at one side of the conveyor including spaced side walls having oppositely arranged slots therein, a plurality of rotary cleaning elements for the articles disposed within the housing and having supporting shafts the ends of which are extended through said oppositely arranged slots, pivotally mounted supporting members rotatably receiving the opposite ends of said shafts whereby the rotary cleaning elements and the supporting shafts are mounted to swing relative to the conveyor to permit the cleaning elements to accommodate themselves to articles of different sizes on the conveyor, means for yieldably suspending said supporting members comprising strips of rubber connected with said members, and devices for securing said strips upon the housing, said devices being releasable to free the strips for adjustment vertically to regulate the position of the cleaning elements relative to the conveyor.

2,073,838
PNEUMATIC CONTROL SYSTEM
Elmer H. Hammond, Southport, and Rudolf Beck, Bridgeport, Conn., assignors to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application April 26, 1935, Serial No. 18,382
10 Claims. (Cl. 236—82)



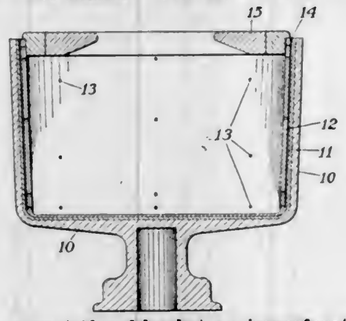
10. In an apparatus as described the combination comprising a heat exchange apparatus, valve means for controlling the supply of heating or cooling medium to said apparatus, a fluid pressure motor for actuating said valve means, a fluid pressure supply connection to said motor, a valve in said connection, a booster relay for controlling said valve comprising a pair of opposed pressure responsive means acting upon a compound leverage system, means responsive to the temperature or pressure conditions within the heat exchange apparatus for controlling the pressure acting upon one of said pressure responsive means, the other pressure responsive means being subject to fluid pressure controlled by the valve in said connection, a second pair of pressure responsive means acting on one of the levers of the compound leverage system in opposite directions, a connection to one of the second pair of pressure responsive means from one of the first pair of pressure responsive means, said connection also extending to the other pressure responsive means of the second pair, and means for retarding the flow of pressure fluid from the first to the second pressure responsive means of the second pair.

2,073,839
MANUFACTURE OF THREAD
Paul E. Harrison, Donelson, and Ira V. Hitt, Old Hickory, Tenn., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 14, 1932, Serial No. 622,390
23 Claims. (Cl. 117—27.5)



1. In a spinning mechanism a rotatable bucket, a thread guide for imparting a reciprocating motion to the thread, and means forming part of the guide for imparting a sinuous motion to the thread.

2,073,840
SPINNING BUCKET
Paul E. Harrison, Donelson, Tenn., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 2, 1932, Serial No. 645,427
20 Claims. (Cl. 117—27.5)

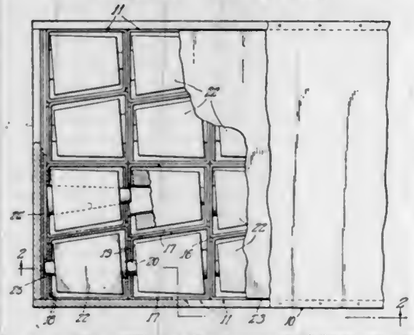


1. In a centrifugal bucket an imperforate metallic shell, an imperforate acid-resistant liner therefor, a perforated acid-resistant liner for said imperforate liner and channels between said liners connecting the perforations of the inner liner with the exterior of the bucket whereby fluids may escape from the bucket.

2,073,841
EXTREME PRESSURE LUBRICATING COMPOSITIONS
Robert L. Humphreys and Bruce B. Farrington, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 8, 1934, Serial No. 756,704
15 Claims. (Cl. 87—9)

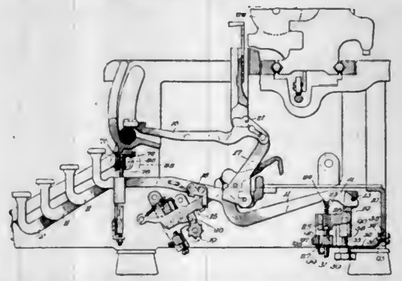
1. A composition of matter comprising an admixture of a lubricating oil and an organic derivative of an organic thio acid.

2,073,842
HOLDER FOR YARN CONES AND THE LIKE
Benjamin F. Kells, Cincinnati, Ohio, assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application September 21, 1935, Serial No. 41,509
4 Claims. (Cl. 206—65)



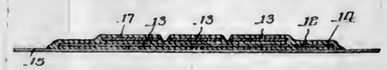
2. A multi-unit package comprising an outer container, a plurality of unit cone holder packages disposed therein, each said unit cone holder comprising four walls only, namely, a bottom wall, a top wall, and two side walls, a cone within said holder, said bottom being formed with an opening therein adapted to receive the large end of the cone, said top being formed with an opening therein through which the small end of the cone extends, whereby said holder cooperates with another holder when placed in an outer container in such a manner that the small end of the cone held by one holder lies within the large end of the cone held by the other holder.

2,073,843
KEY LEVER ADJUSTING MECHANISM
James F. Koca, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a corporation of Illinois
Application March 2, 1933, Serial No. 659,335
9 Claims. (Cl. 197—33)



6. In a typewriter having key levers, spring means for each of the key levers, means for individually varying the tension of each of the spring means, means for varying the tension of all the spring means collectively, and means for variably limiting the stroke of the key levers, said last mentioned means also functioning to additionally vary the tension of said spring means.

2,073,844
MONOGRAM FOR AUTOMOBILES
Albert Lowenfels, White Plains, N. Y.
Application March 6, 1936, Serial No. 67,447
4 Claims. (Cl. 41—33)

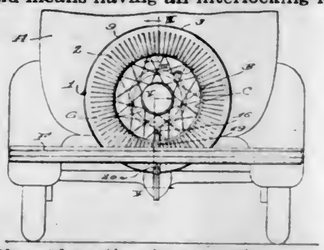


1. A monogram comprising a unitary background decalcomania, and a second unitary initial decalcomania superimposed on the background decalcomania and maintained adhesively in place.

2,073,845
TIRE COVER CONSTRUCTION
George Albert Lyon, Detroit, Mich., assignor to Lyon Incorporated, Asbury Park, N. J., a corporation of Delaware
Application October 3, 1932, Serial No. 635,933
Renewed March 28, 1936
11 Claims. (Cl. 150—54)

1. A tire cover construction comprising a substantially arcuate member for covering a part of a spare tire, said member including a generally radially extending resilient portion provided with substantially radial corrugations to augment the resilient characteristics of said portion whereby the same may be flexed to a substantial extent without permanent distortion in its application to and removal from a spare tire, and means for

locking the member in proper tire covering position, said means having an interlocking relation-



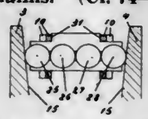
ship with said portion to prevent movement between said member and the tire.

2,073,846

WEDGE SHAPED POWER TRANSMITTING MEMBER

Albrecht Maurer, Bad Homburg vor der Hohe, Germany, assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois

Application May 27, 1931, Serial No. 540,327
In Germany September 19, 1929
12 Claims. (Cl. 74—231)



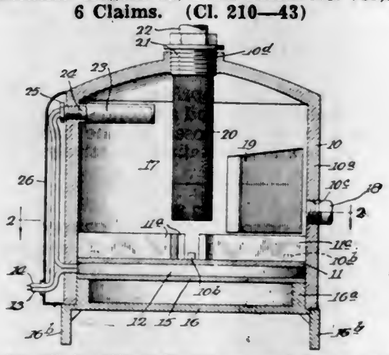
12. A power transmitting member comprising links and pulley engaging anti-friction elements of resilient and hard material projecting from the sides of said links, said elements being revolution bodies mounted for free rotation with their axes fixed with respect to said member and arranged in parallel to the longitudinal axes of said member.

2,073,847

FUEL OIL STRAINER AND PREHEATING DEVICE

William E. Miller, Madison, Wis., assignor to The Viscostat Corporation, Madison, Wis., a corporation of Wisconsin

Application August 23, 1934, Serial No. 741,058
6 Claims. (Cl. 210—43)



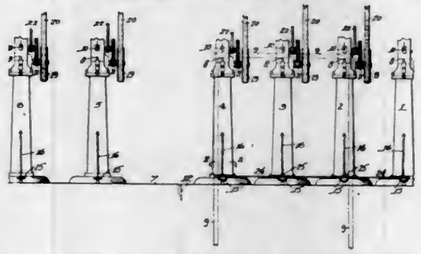
1. An oil treating device comprising a casing having an oil chamber, a tubular screen projecting into the upper part of said chamber, an oil outlet pipe leading from the inside of said screen, a heating device positioned at the bottom of said chamber, a series of metallic vanes adapted to be heated by said heating device and to contact with the oil in said chamber, an oil inlet pipe leading into the side of said chamber above said heating device, and a baffle mounted in an inclined position opposite said inlet pipe and adapted to cause the oil to circulate above said vanes and around said screen.

2,073,848

METHOD OF ASSEMBLING FRAMES

Herbert W. Neunherz, Gardner, Mass.

Application June 20, 1935, Serial No. 27,614
2 Claims. (Cl. 29—148)



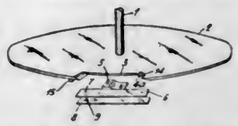
1. The method of assembling frames which comprises forming rivet holes in elements of which the frames are to be made at accurate different predetermined distances apart, locating one of the elements having a plurality of such holes in the desired position with respect to another of said elements, and simultaneously operating a plurality of riveting machines, set at the said different distances apart, to insert rivets and rivet the two elements together in the desired number of places in a single operation.

2,073,849

RHEOSTAT OR ADJUSTABLE RESISTANCE AND POTENTIOMETER WITH CONTACT MEMBERS

Heinrich Nottebrock, Berlin-Grunewald, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application June 28, 1934, Serial No. 732,753
In Germany June 29, 1933
3 Claims. (Cl. 201—48)



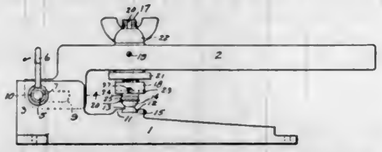
1. A combined resistor and switching device comprising the combination of a casing, a rotatable shaft passing into said casing, a resistor element within said casing, an arm carried by said shaft and in contact with said resistor, an insulating disc carried by said shaft and having a slot in its periphery, the radial bounding edges of said slot forming oppositely disposed acute angles with reference to the respective upper and lower surfaces of said disc, a movable contact member having a projecting portion disposed within said slot, a single fixed contact member which is normally out of contact with said movable contact member when said projecting portion is in engagement with the upper surface of said disc during a large angle of rotation of said shaft and contact arm, said movable contact member being in contact with said fixed contact member when said projecting portion is in engagement with the lower surface of said disc during a large angle of rotation of said shaft and contact arm.

2,073,850

PRESS FOR MAKING WAX PATTERNS

Clarence R. Perkins, Tacoma, Wash.

Application June 24, 1936, Serial No. 87,005
8 Claims. (Cl. 18—5.7)



1. An apparatus for molding wax patterns, comprising a base member; a lower mold carried thereby; an upper member; an upper mold carried thereby; means for hingedly securing the two said members together; means for releasing said members from said hinged relation; and means for guiding said upper member in a relative horizontal longitudinal sliding movement between said members when said hinge means is released.

2,073,851

HUB CAP LOCK

Burnet J. Powell, North Chicago, Ill., assignor, by mesne assignments, to Lyon Cover Company, Detroit, Mich., a corporation of Michigan

Application March 14, 1932, Serial No. 598,556
15 Claims. (Cl. 70—167)



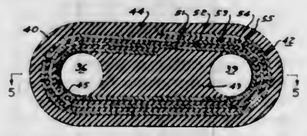
1. The combination with the hub of an automotive vehicle wheel having an opening in its front wall, of a closure cap for said opening having a flange for projecting through said opening, spring latch members mounted on said flange and having latch ends, said latch members normally holding their latch ends inwardly behind the outer surface of said flange, an actuating member rotatably mounted on said cap for engagement with said latch members to project their latch ends outwardly from said flange and into interlocking engagement with the hub wall surrounding the flange receiving opening, and means for locking said actuating member against rotation after projection thereby of said latch ends, whereby to lock said cap to said hub.

2,073,852

DRIVE CONNECTING LINK

William H. Radford, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California

Application May 31, 1935, Serial No. 24,345
10 Claims. (Cl. 64—12)



1. A resilient drive connecting link consisting essentially of a mass of elastic material having a plurality of layers of reenforcing material therein for controlling the extent of stretching of the link when under load, said layers being spaced from another with respect to the direction of stretch and being arranged to effect uniform distribution of load to all of said layers when said link is under load.

2,073,853

CELLULOSE ESTERS AND PRODUCTION OF SAME

Ferdinand Schulze, Waynesboro, Va., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 15, 1936, Serial No. 79,959
7 Claims. (Cl. 260—102)

1. The process of producing cellulose acetate adapted to yield haze-free products which comprises washing cellulose acetate with a wash water having an A. P. H. A. turbidity of below 0.9.

2,073,854

PROCESS OF TREATING FRUITS AND VEGETABLES

Jagan N. Sharma, Berkeley, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

No Drawing. Application April 10, 1934, Serial No. 719,858
8 Claims. (Cl. 99—103)

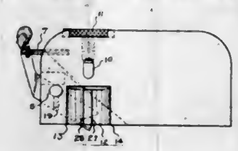
1. A process of washing fruits and vegetables for the removal of spray residues therefrom, comprising contacting fruit with an aqueous solution containing a soluble alkali silicate, and a water-soluble soap of fatty acids of molecular weight greater than that of oleic acid.

2,073,855

MAT CUTTER

John C. Steinmetz, Jackson, Mich.

Application May 22, 1936, Serial No. 81,216
17 Claims. (Cl. 164—83)



1. A device of the character described comprising a body, a work surface engaging face, a straight portion included by said body for guiding contact with a straight edge while said face is in sliding contact with work, and a cutting blade mounted within said body having a portion thereof projecting from said face and disposed at an angle to said straight portion and at an angle to the work surface.

2,073,856

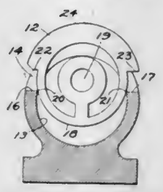
SIGHT

James S. Stewart, Swampscott, Mass., assignor to The Lyman Gun Sight Corporation, Middlefield, Conn., a corporation of Connecticut

Application April 10, 1935, Serial No. 15,581
7 Claims. (Cl. 33—47)

1. A front sight comprising, a hood having a cylindrical bore and a vertical transverse slot, and an insert mounted in the slot and having a

circular edge portion extending downwardly into and fitting the bore and in continuous contact



therewith below the slot circumferentially of the bore a distance greater than 180°.

2,073,857

PROCESS FOR THE SIZING OF RAYON SPINNING CAKES

Johann Joseph Stoeckly, Teltow Seehof, and Erhard Witte, Berlin-Lichterfelde, Germany, assignors to North American Rayon Corporation, a corporation of Delaware

No Drawing. Application January 15, 1931, Serial No. 509,030. In Germany January 15, 1930

8 Claims. (Cl. 18—54)

1. In a process of sizing rayon spinning cakes in situ without injurious agglutination thereof the steps comprising wrapping the rayon cake in a permeable cloth, applying a drying oil thereto subsequently drying said rayon cake without rewinding.

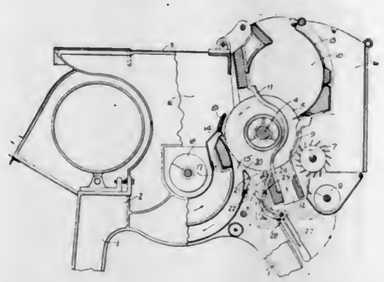
2,073,858

ADJUSTABLE LIP FOR LINT DUCTS

John A. Streun, Sherman, Tex., assignor to Hardwicke-Etter Company, Sherman, Tex., a corporation of Texas

Application March 24, 1934, Serial No. 717,148

10 Claims. (Cl. 19—59)



1. A cotton gin including in combination a set of gin saws, a lint duct leading from said saws, a lip at the entrance of said duct, a pivotal support for said lip, and means to adjust said lip to a position extending downwardly away from said saws where material on said lip may fall therefrom.

2,073,859

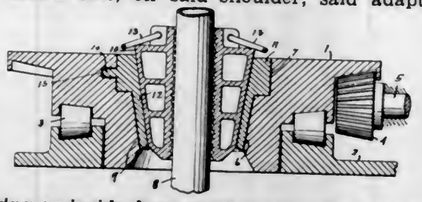
PIPE HOLDER

Lyle C. Tilbury, Houston, Tex., assignor, by mesne assignments, to A. W. Crosby, Harris County, Tex.

Application December 10, 1934, Serial No. 756,864

1 Claim. (Cl. 255—23)

The combination with a rotary table having a downwardly converging seat whose upper end is enlarged and formed polygonal thus forming an inside, abrupt, upwardly facing shoulder, the outer walls of the enlarged portion being approximately vertical, an adapter shaped to fit into said seat and whose upper end is enlarged and extended into the enlarged portion of the seat with its outer side abutting said vertical walls, said enlarged portion resting, throughout its under side, on said shoulder, said adapter



having an inside downwardly converging seat approximately from its upper to its lower end, the vertical thickness of the enlarged portion of the adapter being greater than the transverse thickness of the adapter beneath the thickened portion, pipe engaging slips in the adapter seat and extended above and beneath the seat, but being supported laterally by the adapter substantially throughout the length of the slips.

2,073,860

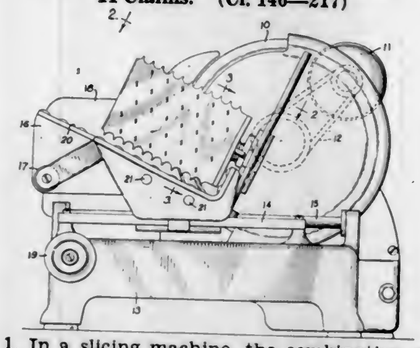
PUSHER PLATE

Wilhelmus Adrianus van Berkel, Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana

Application October 20, 1933, Serial No. 694,378

In Great Britain November 4, 1932

11 Claims. (Cl. 146—217)



1. In a slicing machine, the combination with a slicing knife, of a substance support movable relative to said slicing knife, uprights on said substance support, a bearing member for supporting said uprights and slidable along said support in a direction toward and from the cutting plane of said knife, a pusher plate support slidable upwardly along said uprights, a pusher plate, an extension on said pusher plate having pivotal connection with said pusher plate support at a point spaced from the operative portions of said pusher plate, whereby upon pivotal movement of said pusher plate, the same is swung to positions which are spaced substantially different amounts away from the cutting plane of said knife while said bearing member occupies the same position with respect to the cutting plane, and substance engaging prongs on opposite faces of said pusher plate whereby when said pusher plate is pivoted to its different positions and different faces thereof are facing the cutting plane of said knife, the portion which is facing said cutting plane will have substance engaging prongs thereon.

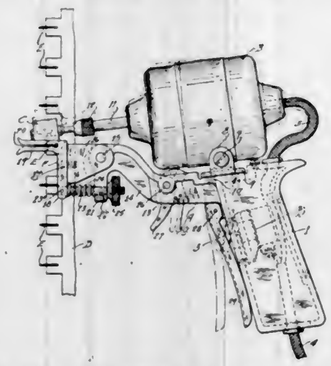
2,073,861

GRINDING TOOL

Anthony H. Wolf, St. Louis, Mo., assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri

Application December 23, 1935, Serial No. 55,810

8 Claims. (Cl. 51—170)



2. A portable tool for blade-sharpening including, in combination, a frame having a hollow hand-grip and a forwardly projecting arm, a bifurcated guide-member on the arm having slotted registering portions for loosely fitting for movement on a blade to be sharpened, a motor mounted yieldingly on the frame for oscillatory movement and normally tilted relatively to the frame, an electric switch disposed within the hand-grip for electrical connection with the motor and a source of current supply, a sharpening-roll carried by the motor-shaft for fitting the bifurcation of said member for angular grinding engagement with an edge of a blade in the manipulations of the tool, and means adjacent the hand-grip for switch actuation.

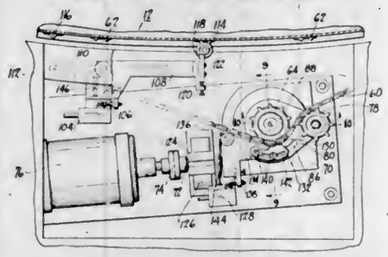
2,073,862

TURNTABLE

Vincent Bendix and Donald Boothby, Chicago, Ill., and Lee L. Smalley, South Bend, Ind., assignors to International Engineering Corporation, Chicago, Ill., a corporation of Illinois

Application October 13, 1932, Serial No. 637,586

9 Claims. (Cl. 192—142)



1. An automobile turntable or the like comprising a rotatable platform, a sprocket chain drivably engaging the periphery of the platform, power drive mechanism operatively engaging the sprocket chain, cam means on the periphery of the platform for throwing off the power of said mechanism at a predetermined point, a brake acting on the platform through said chain, and means for subsequently rendering said brake effective when at another predetermined point.

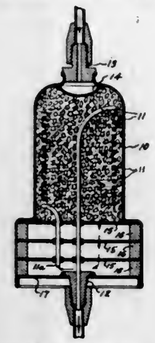
2,073,863

CAPILLARY TUBE DEVICE

William Lee Bird, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio

Application February 1, 1936, Serial No. 61,976

7 Claims. (Cl. 138—41)



1. In a refrigeration system, a capillary tube, a shell surrounding the tube, and closed so as to permit exit of refrigerant from said shell only through the tube.

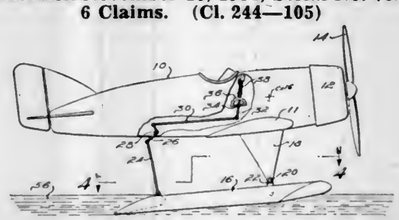
2,073,864

AIRCRAFT

Alanson P. Brush, Detroit, Mich.

Application November 10, 1934, Serial No. 752,421

6 Claims. (Cl. 244—105)



1. In combination, an airplane, a relatively flat pontoon of V-shaped formation in plan view with the opening of the V disposed toward the front of the airplane mounted below the same, the bottom surface of said pontoon on each side of said V being approximately planular and formed to provide a positive hydrodynamic angle with respect to the general plane of the pontoon and means for varying the general plane of the pontoon with respect to the longitudinal axis of the airplane during flight.

2,073,865

SPARK PLUG

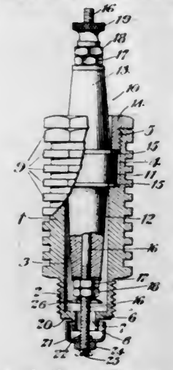
Eli J. Bushey, New York, N. Y.

Application July 8, 1935, Serial No. 30,259

7 Claims. (Cl. 123—169)

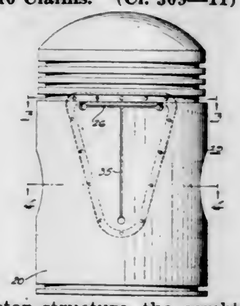
1. In a spark plug including a shell open at the firing end of the plug, a tubular insulator core projecting into said shell from the opposite end thereof and having its inner end spaced inward from said open end of the shell, and a central electrode extending longitudinally through said insulator core and beyond said end of the latter and screw threaded, a screw threaded sparking terminal member screwed on said threaded electrode for adjustment to adjust the width of the spark gap and formed to baffle entrance of oil into the shell through said open

end thereof, and a disk-like baffle member borne by said electrode coaxially therewith and located within the shell and between the open end



of the latter and the adjacent end of the insulator core and of greater diameter than said end of the core to baffle deposit of oil upon the insulator.

2,073,866
PISTON
Herbert C. Edwards, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 29, 1935, Serial No. 13,659
10 Claims. (Cl. 309—11)



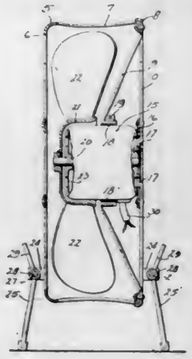
1. In a piston structure, the combination with a hollow skirt having a slot therethrough to allow for contraction and expansion thereof, of means permanently shutting off the slot from the interior of the piston without interfering with the contraction and expansion of said skirt.

2,073,867
METHOD OF REPAIRING AND LENGTHENING FINGERNAILS
Harriet A. Feigenbaum, Minneapolis, Minn.
Application October 18, 1935, Serial No. 45,560
6 Claims. (Cl. 132—73)



1. The method of lengthening finger nails which comprises applying a former under the projecting end of the finger nail so that it projects beyond the end of the finger nail and its upper surface is in the plane of the under surface of the finger nail, and then applying over the finger nail and former a lacquer-like substance which, when it sets, will adhere to the finger nail and have appearance and physical characteristics simulating those of a finger nail.

2,073,868
PORTABLE ELECTRIC FAN
John E. Fladeland, Waupun, Wis.
Application September 22, 1934, Serial No. 745,086
7 Claims. (Cl. 230—273)



1. In a fan structure the combination with a fan motor and rotating blades operatively connected to be operated thereby, of a motor support comprising front and rear guard elements, means interconnecting said elements, aligned ears fixed with said elements, pintle means extending through said ears, a support pivotally mounted on said pintle means, said ears and pintle means being positioned for said support pivot to stand substantially within the radius of said blades, and clamping mechanism for holding the support legs in adjustment.

2,073,869
WIG
Meyer Jacoby, New York, N. Y.
Application December 21, 1934, Serial No. 758,560
4 Claims. (Cl. 132—53)

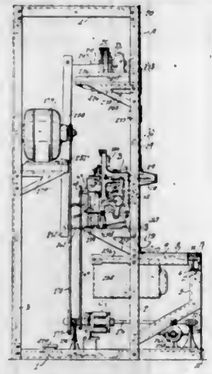


1. A wig of the character described having hair sewed to a scalp foundation, including a layer of hair sewed to the inside of the foundation, and layers of hair sewed to the outside of the foundation.

2,073,870
COIN CONTROLLED VENDING APPARATUS
George McD. Johns, Robyn and Denny Roads, near Sappington, Mo.
Application December 27, 1932, Serial No. 648,927
56 Claims. (Cl. 194—10)

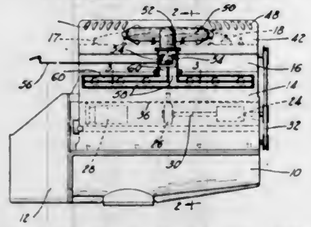
1. In apparatus of the class described, in combination, a series of electro-responsive dispensing mechanisms, coin-accepting mechanism common to the dispensing mechanisms for electrically controlling actuation thereof, electro-responsive means for accumulating a plurality of accepted

unit values, and means for adjustably setting the respective dispensing mechanisms for respective



actuations each consuming a definite portion of the accumulated values.

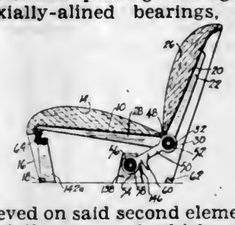
2,073,871
ENGINE
Victor W. Kliesrath, South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill., a corporation of New York
Application August 25, 1933, Serial No. 686,721
7 Claims. (Cl. 123—198)



1. An engine having a cylinder head and an intake manifold and a carbureter connected to said manifold, and provided with accessories mounted on the cylinder head, and which has a hollow cover mounted over the cylinder head and housing said accessories and which has a perforated horizontal partition dividing it into an upper portion and a lower portion, air-cleaning means within its upper portion and air passages from the outside of the cover through said means and said partition to the interior of the cover, and an air conduit leading from the interior of said cover to said carbureter.

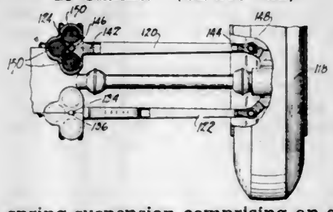
2,073,872
VEHICLE
Victor W. Kliesrath, South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill., a corporation of New York
Application August 28, 1933, Serial No. 687,056
11 Claims. (Cl. 155—50)

1. A seat having bearings, movable supports having bearings coaxially alined with the seat bearings, a transverse element smaller than said bearings and passing through the alined bearings, rubber bushings sleeved on said element and seated in said bearings and interiorly bonded to said element and exteriorly bonded to said bearings, said movable supports having bearings also at the ends opposite said coaxially alined bearings, brackets having bearings coaxially alined with the bearings in said opposite ends, a second transverse element passing through said last-named coaxially-alined bearings, and rubber



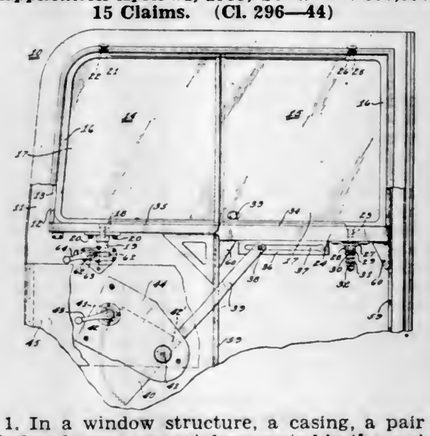
bushings sleeved on said second element and interiorly bonded thereto, and which are seated in said last-named coaxially-alined bearings and exteriorly bonded thereto.

2,073,873
SPRING SUSPENSION
Victor W. Kliesrath, South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill., a corporation of New York
Application January 31, 1934, Serial No. 709,131
19 Claims. (Cl. 267—21)



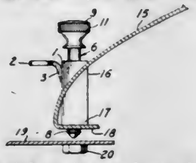
1. A spring suspension comprising an axle section having a road wheel mounted on one end thereof and having yielding means externally embracing its other end on several sides and resiliently resisting its angular movements and having a transverse pivot located centrally of said yielding means at said other end on which it is mounted.

2,073,874
MOTOR VEHICLE
Archer L. Knapp, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 24, 1933, Serial No. 667,596
15 Claims. (Cl. 296—44)



1. In a window structure, a casing, a pair of window frames separately mounted in the casing, mechanism for vertically reciprocating one of the window frames, mechanism for rotating the other window frame, and a single actuator for both mechanisms.

2,073,875
PANEL CATCH
Harry A. Neff, Bellaire, Ohio, assignor to The Belmont Casket Mfg. Company, Columbus, Ohio, a corporation of Ohio
Application June 27, 1935, Serial No. 28,763
2 Claims. (Cl. 292—251)



1. A combined handle and catch for securing a grave vault hood to a base having a nut member integrally secured thereto comprising a body having a bore, a threaded rod passing therethrough and adapted to cooperate with said nut member, means on said rod for retaining said rod within said bore, and a handle member secured to said body whereby, lifting stress applied to the handle member will be transmitted through the rod to the nut member, and the hood lifted by lifting of the base through the nut member.

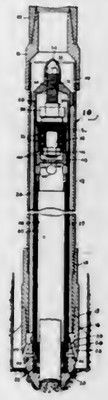
2,073,876
CORE BARREL
Guy C. Oliver, Glendale, Calif.
Application December 4, 1935, Serial No. 52,820
13 Claims. (Cl. 255—72)



1. In a core barrel, a bit having a central core opening therethrough, an outer core barrel mounted on said bit, an inner barrel rotatably mounted on said outer barrel, said inner barrel throughout its length being arranged within and spaced from said outer barrel, means affording communication between the interior and the exterior of the inner barrel, means affording communication between the interior of the outer barrel and the exterior thereof, and a core catcher assembly mounted on the inner barrel, said core catcher assembly having an aperture therethrough which is of substantially the same diameter as that of the bit core opening, both of said apertures being of less size than that of the interior of the inner barrel.

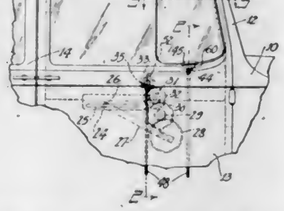
2,073,877
CORE BARREL
Guy C. Oliver, Glendale, Calif.
Application August 26, 1936, Serial No. 97,929
10 Claims. (Cl. 255—72)

1. In a core barrel, a bit having a central opening therethrough, a shell on which said bit is supported, an outer core barrel mounted on said bit and extending thereabove, a cap secured on the upper end of said outer core barrel, a stem secured to said cap, said stem having a cylindrical portion thereon, an apertured plug on said



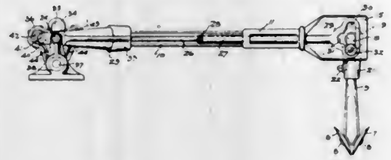
cylindrical portion, a bearing on said stem and engaging said plug, an inner barrel support secured to said plug, and an inner core barrel on said inner core barrel support, said inner barrel being spaced from said outer barrel.

2,073,878
MOTOR VEHICLE
Paul J. Palmer, Grosse Pointe, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 28, 1934, Serial No. 722,828
8 Claims. (Cl. 296—44)



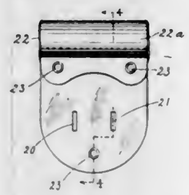
1. In a vehicle, the combination of a body having a hollow side wall with an opening therethrough, a window structure extending the entire length of the body opening and associated with the body to slide vertically, a wing deflector pivoted to the body exteriorly of and adjacent the forward portion of the window, mechanism operable to raise and lower the window structure, mechanism operable to pivot said deflector, said mechanisms being located within the hollow wall of the body and having portions thereof extending interiorly of the vertical plane in which the window structure is movable, and means extending into the hollow wall from the interior of the body and operable to selectively actuate either mechanism, said means being engageable with the portions of the mechanisms in the hollow wall inside of the vertical plane in which the window structure is movable.

2,073,879
AGRICULTURAL IMPLEMENT
Conrad A. Ritchie, Spokane, Wash.
Application December 24, 1935, Serial No. 56,070
4 Claims. (Cl. 97—230)



1. In a reversible marking device, the combination with a pivoted carrier-arm, an adjustable sleeve thereon, a head rigid with the sleeve, a crank journaled in the head, and a furrow opener rigidly supported on the crank, of an eccentric rod mounted to reciprocate in the arm, an adjustable sleeve mounted on the rod, a slotted head having an intermediate notch and rigid with the latter sleeve, said head being operatively mounted on the crank, and means operable under swinging movement of the arm for longitudinally reciprocating the rod.

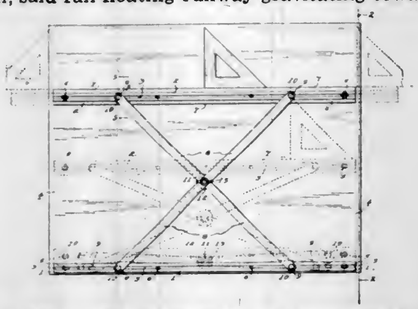
2,073,880
INTERFERENCE ELIMINATING DEVICE
William M. Robinson, New York, N. Y., assignor to Solar Manufacturing Corporation, a corporation of New York
Application June 19, 1935, Serial No. 27,341
6 Claims. (Cl. 250—16)



1. An interference eliminator of the class described comprising a thin, flat mounting plate, a condenser mounted on and supported by said plate, apertures in said plate through which the prongs of a standard attachment plug may be passed to enter a standard outlet socket, said apertures being spaced a sufficient distance from said condenser to permit the insertion of the prongs without the condenser being overlapped by the body of the plug, terminal means for the condenser carried by said plate and adjacent said apertures so as to be contacted by the prongs of the plug, and electrical conducting means connecting said terminals to said condenser.

2,073,881
DRAWING INSTRUMENT
Edwin Ronnquist, Chicago, Ill.
Application May 28, 1936, Serial No. 82,325
4 Claims. (Cl. 33—80)

1. In a drafting instrument, a base runway for fixed application to the lower edge of a drafting board, a full floating arched resilient runway, connection between said runways whereby said full floating runway may be adjusted toward and away from said base runway and adjusted laterally, and a lock interposed in said connection, said full floating runway gravitating toward



said base runway when said lock is open and the drawing board in its normal inclined position.

2,073,882
VEHICLE SPRING
Clifford O. Ross, Beverly Hills, Calif.
Application April 6, 1936, Serial No. 72,880
2 Claims. (Cl. 267—49)



1. A spring of the class described comprising resilient leaves having recesses adjacent their tips, confronting the next leaf; and cylindrical anti-friction bodies mounted in said recesses for cylindrical rolling contact with the bottoms thereof and with the confronting surface of the next leaf to maintain the tips of each leaf out of contact with the next leaf, whereby to render the leaves relatively movable freely and without squeaking during flexing of the spring, said bodies having toothed peripheries of greater hardness than the material composing the leaves so that during flexing of the spring said teeth will penetrate the leaves to form complementary indentations therein for coaction with the teeth of the bodies in preventing lateral tilting and axial displacement of said bodies, the radial height of said teeth being such that when the teeth have penetrated the spring leaves to the full height of the teeth, the rollers will maintain the tip of one leaf out of contact with the next leaf.

2,073,883
ANTISKID DEVICE
Corey L. Russell, Milwaukee, Wis.
Application November 27, 1935, Serial No. 51,750
2 Claims. (Cl. 152—14)

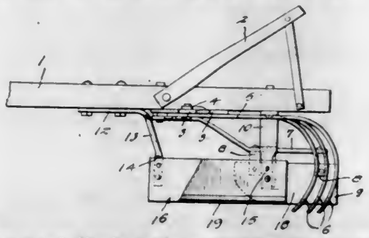


1. An anti-skid device for a vehicle tire comprising an endless open frame for attachment against the tire tread, said frame being looped through itself whereby transversely extending opposite bar portions thereof will be formed with right and left hand spiral threads.

2,073,884
CULTIVATOR ATTACHMENT
Marvin J. Sheffield, Carrollton, Ga.
Application July 16, 1936, Serial No. 90,974
1 Claim. (Cl. 97—170)

In a cultivator having a draft beam and a group of earth working implements suspended

therefrom at each side thereof, an attachment comprising a plate secured to the under side of the beam forwardly of the earth working implements and having a rear downwardly extending substantially V-shaped portion arranged in inverted position whereby are formed two independent arms, a substantially U-shaped yoke arranged in inverted position and extending transversely across and secured to the underside of the beam rearwardly of said arms, said yoke having the side portions disposed adjacent the outer sides of the groups of earth working implements and a pair of earth scraping blades each com-



prising a relatively wide vertically disposed sheet of metal having a forward portion secured to the lower end of an arm and a longer rear portion arranged obliquely to the forward portion and secured adjacent its outer end to one depending end of said U-shaped yoke, said forward portions being in spaced parallel relation upon opposite sides of the vertical plane in which the beam lies, and the free ends of the obliquely directed portions extending outwardly beyond the sides of the said group of implements, and the lower edge of each oblique portion being turned to form a sharpened forwardly extending blade.

2,073,885

ELECTRIC DISCHARGE TUBE

Hans J. Spanner and Oscar Gadamer, Berlin, Germany, assignors, by mesne assignments, to said Hans J. Spanner

Application October 4, 1929, Serial No. 397,427

In Germany July 1, 1929

10 Claims. (Cl. 176—126)



1. A self-heating cathode for gaseous discharge devices which comprises a body of conductive material having fine points of its conductive material projecting therefrom to form isolated points at which an initial discharge may be concentrated whereby to heat said point and thereby to increase its electron emissivity, and activation material carried by said body near said points to render the body emissive when cold.

2,073,886

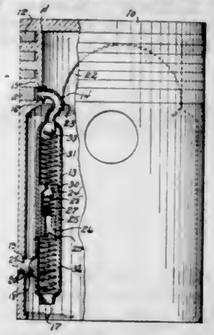
LUBRICATING OIL SCAVENGING PUMP

Frank E. Stifter, Pittsburgh, Pa., assignor to S. Q. Shannon, Los Angeles, Calif.

Application April 10, 1935, Serial No. 15,692

8 Claims. (Cl. 309—8)

1. In an oil scavenging device, the combination of a hollow piston having a ring groove, a pump cylinder disposed longitudinally within the piston and communicating with the ring groove, a spring controlled piston in the cylinder reciprocated by the hollow piston to alternately withdraw surplus oil from the ring groove and expel it from the cylinder, and check valves controlling



flow of the oil in one direction through the cylinder.

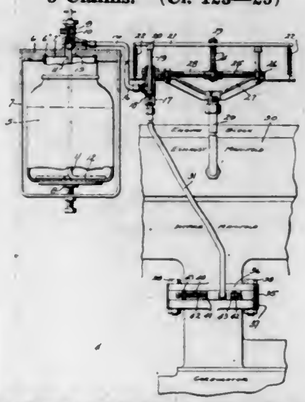
2,073,887

CHARGE MODIFYING ATTACHMENT FOR ENGINE INTAKE MANIFOLDS

Charles Strancke, Milwaukee, Wis.

Application July 22, 1932, Serial No. 623,957

5 Claims. (Cl. 123—25)



1. In a device of the character described, the combination with an intake manifold fitting including a plurality of ports for delivery to the manifold at different points with reference to the flow of gases therethrough, of means for individually regulating relative flow through the respective ports, and means for regulating total flow through all of said ports, the last mentioned means including a pressure responsive valve operatively connected to be subject to exhaust manifold pressure.

2,073,888

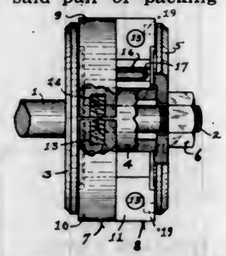
PUMP PISTON PACKING

William Toward, Poland Mines, Pa.

Application August 20, 1935, Serial No. 37,048

1 Claim. (Cl. 309—29)

In a piston for a pump cylinder, the combination of a pair of packing rings constructed of wood and positioned flatly against each other on said piston, each of said packing rings comprising a pair of separate semi-circular sections, the breaks between the ends of one of said pair of sections being disposed at right angles with respect to the breaks between the ends of the other of said pair of sections, means carried by each of said pair of sections for expanding the latter, means fixed in one of said pair of packing rings and engaging in a slot in the other of said pair of packing rings for maintaining the relative positions of said pair of packing rings on the



piston, and means formed in each of said pair of sections engageable to hold the latter in contracted position, the inner edge margin of one face of each of said pair of packing rings being recessed.

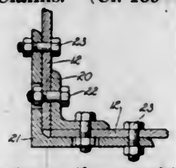
2,073,889

FRAMED STRUCTURE

William A. Trout, Los Angeles, Calif.

Application June 9, 1934, Serial No. 729,836

7 Claims. (Cl. 189—36)



5. In a structure, the combination of: two plates placed with their edges adjoining; a first connecting member so placed that it abuts on one side of each of said plates; a second connecting member so placed that it abuts on the other side of each of said plates; and fastening means securing said connecting members to said plates, holes being provided in one of said connecting members of sufficient size to permit the heads of at least some of the fastening means for the other connecting member to pass through said holes without engaging the member in which said holes are situated.

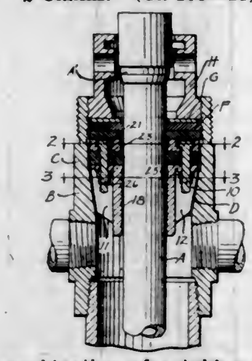
2,073,890

TUBING HEAD

Sheridan P. Tschappat, Tulsa, Okla.

Application April 6, 1935, Serial No. 15,035

2 Claims. (Cl. 166—14)



1. The combination of a tubing head having an inclined bowl, of a slip assembly supported in said bowl and including a packing ring for packing off against the inter-wall of the head and the tubing passing therethrough, packing rings carried by the slip assembly thereabove in the head, a follower ring mounted on the last named packing ring, and a packing nut engaging in the upper end of the head and exerting a downward pressure on the packing ring above the slips as well as upon the packing ring within the slips, whereby the head is packed off at two points.

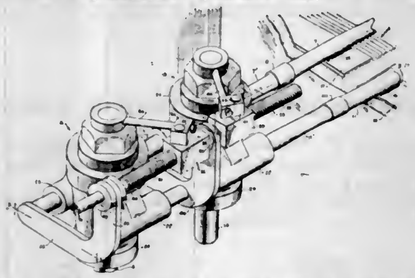
2,073,891

MEANS FOR INTERCHANGING THE FUNCTIONS OF COMPLEMENTARY HEAT EXCHANGE ELEMENTS

Joseph Vogler, Philadelphia, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware

Application May 31, 1933, Serial No. 673,733

6 Claims. (Cl. 277—19)



1. In combination, a plurality of rotatable valves disposed with their axes substantially parallel, and means for simultaneously moving said valves relative to each other, including a screw disposed in a direction transverse to said axes and connected to each of said valves to provide self-contained and opposed operating forces.

2,073,892

BAKING PAN

Paul S. Ward, Cincinnati, Ohio, assignor of part interests to George E. Stebbins, Edgewood, Pa., and Ashley F. Ward, Rebecca A. Ward, Blanche F. Ward, Helen E. Ward, Ashley F. Ward, Jr., and John A. Ward, all of Cincinnati, Ohio

Application August 22, 1934, Serial No. 740,879

14 Claims. (Cl. 53—6)



1. A set of baking pans comprising a downwardly and outwardly flared sheet metal frame adapted to rest upon the oven hearth, a plurality of banking pans within the frame, and loose connections between the top portions of the pans and the top portion of the frame permitting a limited movement of the bottoms of the pans below and above the level of the bottom of the frame.

2,073,893

APPARATUS FOR STAMPING AND PUNCHING SHEET METAL AND THE LIKE

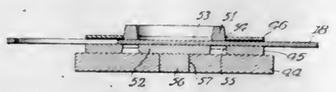
Leighton A. Wilkie, Minneapolis, Minn.

Application September 26, 1932, Serial No. 634,885

2 Claims. (Cl. 164—94)

2. A stamping unit adapted for compound blanking, comprising a bed plate, a die element

supported thereon, a die plate having a die opening therethrough, a punch element positioning plate, spacer elements between said die plate and positioning plate and spaced apart for forming a slot for receiving stock material to be operated upon, means for rigidly securing said die plate, spacer elements and positioning plate together, means for removably positioning said die plate



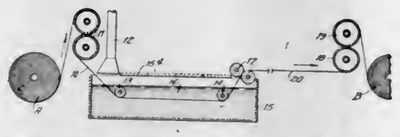
and die element in the same plane on said bed plate with said die element within said die opening, and a hollow punch element engaging an opening in said positioning plate for positioning said punch element relatively to said die plate and die element whereby when said punch element is forced downward, a blank will be simultaneously stamped from said stock material.

2,073,894

PANEL BOARD AND METHOD OF MAKING SAME

Frederick P. Wood, Adrian, Mich., assignor to Simplex Paper Corporation, Adrian, Mich., a corporation of Michigan

Application January 30, 1936, Serial No. 61,505
13 Claims. (Cl. 154—2)



1. A product in sheet form which is highly resistant to physical change in a wide range of temperature and humidity conditions, comprising a sheet of sized fibre pulp consisting of a singly formed layer of fibres of nearly pure cellulose disposed substantially uniformly in all directions, said sheet being partially impregnated with asphalt having a melting point of not less than 140° F. and a penetration point of not over 22, the surface fibres of the sheet extending beyond the body of asphalt, whereby said sheet may be cemented to an adjacent surface.

5. The method of making a product in sheet form which is highly resistant to physical change in a wide range of temperature and humidity conditions which comprises impregnating a sheet of sized fibre pulp with molten asphalt, then simultaneously compressing the fibres of the sheet and removing the excess asphalt therefrom, then allowing the fibres of the sheet to expand for a predetermined period of time to draw the surface layers of asphalt into the body of the sheet and cooling the sheet.

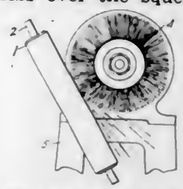
2,073,895

METHOD OF TREATING RUBBER ROLLS

Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application July 31, 1931, Serial No. 554,265
Renewed January 30, 1935
3 Claims. (Cl. 90—11)

1. The method of treating vulcanized rubber rolls which consists in subjecting the surface of the roll to the scoring action of a wire brush forming shallow ribs over the squeezing surface of



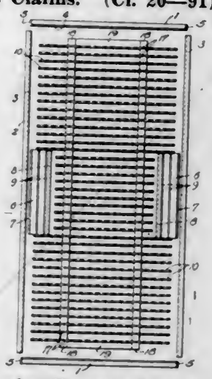
the roll and avoiding the direct action of the brush against the end of the roll.

2,073,896

HOLLOW PANEL

Emil C. Loetscher, Dubuque, Iowa

Application March 28, 1935, Serial No. 13,518
3 Claims. (Cl. 20—91)



1. A structural unit, comprising an outer frame of jointed members, a first series of parallel strips located between opposite members of the frame and parallel therewith, said strips having spaced notches each with substantially parallel edges provided in their front and rear edges and of a depth less than half the depth of said strips, a second and a third series of parallel strips located between other opposite members of the frame and parallel therewith, the strips of the second series being set into and adhesively secured in the notches in the front edges of the first series, the strips of the third series being set into and adhesively secured in the notches in the rear edges of the first series, corresponding strips of the second and third series abutting each other at points between the strips of the first series, the front and rear edges of all the strips being flush respectively, and panels secured to the front and rear edges of the various strips and to corresponding edges of the outer frame.

2,073,897

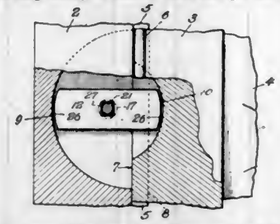
PANEL FASTENER

Emil C. Loetscher, Dubuque, Iowa

Application December 27, 1935, Serial No. 56,390
5 Claims. (Cl. 292—202)

1. A fastening device for locking two slotted members together; one member being provided with a large and a small bore providing a shoulder between them; a turn-button plate rotatably arranged within the member having the bores to engage the other said member; a stem within the smaller bore associated with the turn-button plate to operate the same; an enlarged operating head upon said stem rotatably seated upon said

shoulder and within the larger bore; and a contracted spring ring within the large bore and ex-



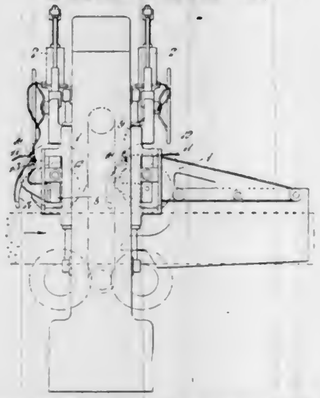
panding to grip the walls thereof and being engaged with the said head to confine the same upon the shoulder and the stem against displacement.

2,073,898

FRAME SAW

Emil Löf, Stockholm, Sweden

Application October 9, 1935, Serial No. 44,281
In Sweden October 10, 1934
1 Claim. (Cl. 143—84)



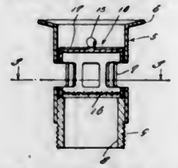
A frame saw, comprising pressure rollers, vertically movable frames supporting said rollers, means for lifting said frames and rollers, trip levers journalled on said frames so as to normally project into the path of the work and connected to said lifting means to start the latter when acted upon by a work piece, and means to return the trip levers into inoperative position when the supporting frames have been lifted sufficiently to allow the work to enter below the pressure rollers.

2,073,899

PLUG FOR WASHBASINS OR THE LIKE

Frank A. Luther, Minneapolis, Minn.

Application February 4, 1936, Serial No. 62,349
4 Claims. (Cl. 4—288)



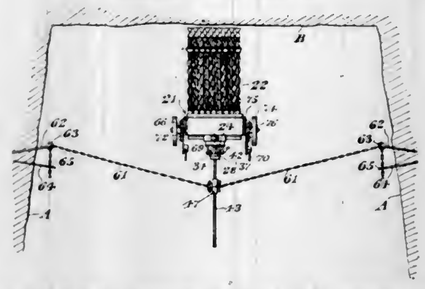
1. A basin spud comprising an outer shell for mounting in the drain opening of the basin and arranged for connection to the trap of the basin, a shoulder within the lower end of the shell, side drain openings in the walls of said shell above said shoulder, and strainer means resting on said shoulder within said shell, said strainer being reversible and removable having vertically spaced therein a fine mesh strainer and cross guards, said strainer being tubular in form and formed with side drain openings registrable with the first mentioned side drain openings when said strainer is in place in said shell.

2,073,900

COAL MINING APPARATUS

Gideon D. Miller, Springs, Pa.

Application April 5, 1934, Serial No. 719,226
3 Claims. (Cl. 262—22)



2. In a coal mining machine, the combination with a carriage including a casing, a battery of rotary augers projecting from the casing, and means for rotating the augers, of guide members mounted on opposite sides of the casing, wheeled supports on which said guide members are slidably mounted, and directing handle bars mounted on the guide members.

2,073,901

AUSTENITIC FERROUS ALLOYS AND ARTICLES MADE THEREOF

Harold D. Newell, Beaver Falls, Pa., assignor to The Babcock & Wilcox Tube Company, West Mayfield, Pa., a corporation of Pennsylvania

No Drawing. Application May 29, 1930, Serial No. 457,517
3 Claims. (Cl. 148—31)

1. An article made of low carbon austenitic iron-chromium-nickel alloy which is required to maintain ductility and resistance to corrosion and which is subjected to temperature within the range of 900 degrees to 1350 degrees F. during manufacture or use whereby carbon is precipitated, said alloy being hot worked down to a finishing temperature between 1650 degrees and 1900 degrees F. to produce a fine grain structure and then cooled, the alloy being in ductile condition and having such fine grain structure that when the carbon is precipitated in the form of carbide in the grain boundaries the carbide particles occupy only a minor portion of the extent of the boundaries, whereby the metal remains substantially resistant to intergranular corrosion.

2,073,902

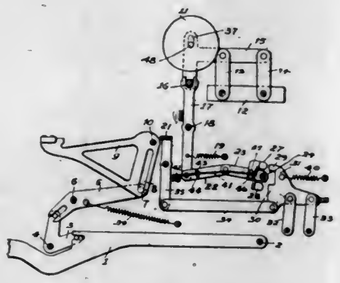
NOISELESS TYPEWRITER

Camillo Olivetti, Ivrea, Italy

Application October 3, 1935, Serial No. 43,438
In Italy October 27, 1934
9 Claims. (Cl. 197—22)

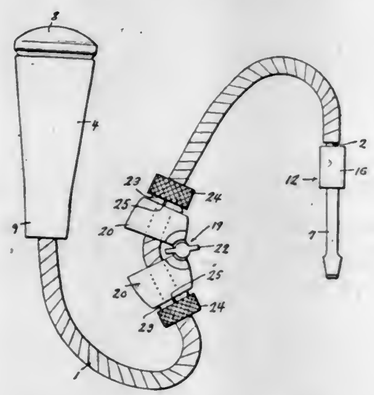
1. In a typewriter of the character described, a plurality of type, means for advancing the type

to a printing position, a platen shiftable toward and away from the printing position of the type, and means operable upon advancing the type from



a position of rest to the printing position to shift the platen away from the printing position and then advance the same to the printing position to engage the type.

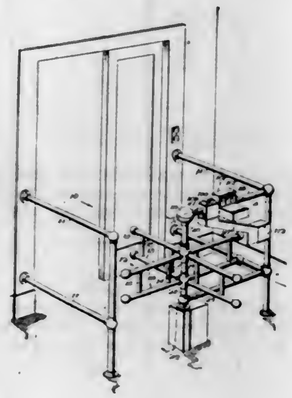
2,073,903
FLEXIBLE TOOL
Maurice B. O'Neil, New Orleans, La.
Application April 14, 1936, Serial No. 74,355
3 Claims. (Cl. 145—61)



1. A flexible tool of the class described comprising a flexible housing, a flexible drive shaft operatively mounted in said housing, means for actuating the drive shaft, means for connecting a tool to said drive shaft, and a handle mounted for sliding adjustment on the flexible housing, said handle encircling the housing and including split, tapered shanks on its ends and nuts threadedly mounted on said shanks for contracting said shanks for frictionally gripping the housing.

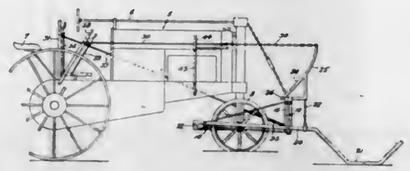
2,073,904
TURNSTILE
Percy C. Osteen, Anderson, S. C.
Application November 21, 1935, Serial No. 50,968
17 Claims. (Cl. 194—4)

1. In apparatus for controlling the movement of pedestrians, a turnstile, means for controlling the movement of the turnstile and actuated by a ticket inserted within said means to release the turnstile for turning movement, means actuated by the turnstile when it is released and turned to further draw the ticket into the first named



means, and a cutter arranged to act upon the ticket during its drawing in movement to mutilate the same.

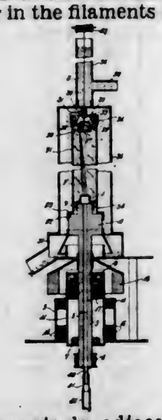
2,073,905
TRACTOR GUIDE
Howard C. Pond, Roland, Iowa
Application May 28, 1936, Serial No. 82,363
1 Claim. (Cl. 97—49)



In combination with a tractor, a pair of steerable wheels, a bar carried by the steerable wheels, a frame supported by the bar, an arm swingably supported at the rear portion of the frame and projecting forwardly over the frame and provided with a runner for engagement into a furrow, means for regulating the position of the said frame, and means whereby the runner can be elevated and lowered with respect to the ground.

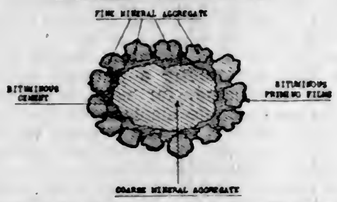
2,073,906
MANUFACTURE OF ARTIFICIAL SILK
Hans Alwin Schrenk, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application April 25, 1936, Serial No. 76,471
In Germany April 26, 1935
2 Claims. (Cl. 18—8)

1. In an apparatus for the manufacture of artificial silk, a rotating assembly of spinnerette and spinning bath receptacle, a stationary bath receptacle alined with the rotating assembly, means for advancing filaments from the spinnerette and through the respective bath receptacles, and means eccentrically disposed with respect to the axis of the assembly for causing a twisting to occur in the filaments at a point in the



rotating bath receptacle adjacent to the stationary bath receptacle.

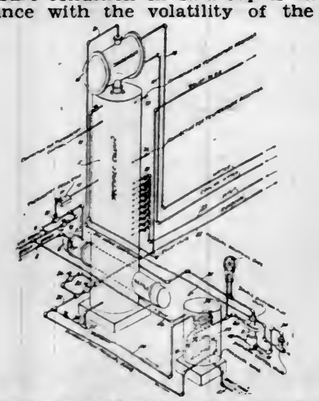
2,073,907
METHOD OF PREPARING BITUMINOUS CONCRETE PAVING MATERIAL
Richard J. Scullin, Newton, Mass.
Application December 18, 1935, Serial No. 55,127
1 Claim. (Cl. 106—31)



The method of preparing a bituminous concrete paving material comprising the steps of coating relatively coarse pieces of mineral aggregate with a bituminous cement, covering the bituminous cement coatings on the pieces of coarse aggregate with relatively fine non-powdered bare mineral aggregate to segregate said coarse pieces from each other, and applying quick-drying bituminous priming films to the exposed surfaces of the fine aggregate, said priming films being of such viscosity and thinness as to prevent the fine aggregate coatings from adhering to each other and serving merely to prepare them for subsequent adhesion with the bituminous cement displaced between the fine mineral particles of the various pieces during compaction; whereby a loose substantially dry material is provided which may be easily handled and laid, and the individual coated pieces will become cemented together upon compaction with pressure.

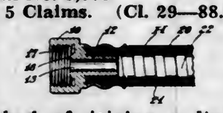
2,073,908
METHOD OF AND APPARATUS FOR CONTROLLING RECTIFICATION
Sydney S. Smith, Tulsa, Okla., assignor, by mesne assignments, to Floyd L. Kallam, Los Angeles, Calif.
Application December 29, 1930, Serial No. 505,453
12 Claims. (Cl. 196—132)

12. In continuously operating apparatus for fractionating a fluid mixture and having different means adjustable to regulate the operative factors of temperature and pressure therein to continuously produce a discharged sampled liquid product of substantially constant volatility, the method of control which comprises directing a continuous sample of the product through an evaporation cup, maintaining the temperature condition in said cup at a constant value whereby pressure condition in said cup is variable in accordance with the volatility of the sample,



and actuating a said adjustable regulating means by means controlled by the said variable condition in the cup whereby the sampled said product may have a constant volatility, the setting of the other adjustable said regulating means remaining constant.

2,073,909
METHOD OF ATTACHING COUPLINGS TO HOSE ENDS
Henry D. Stecher, Lakewood, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Original application June 24, 1933, Serial No. 677,421, now Patent No. 2,002,839, dated May 28, 1936. Divided and this application January 23, 1935, Serial No. 3,078
5 Claims. (Cl. 29—88.2)

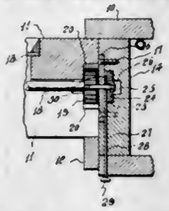


1. A method of joining a lined hose to a coupling having a body portion, an annular chamber formed by an integrally formed sleeve projecting from the body portion and a nipple concentric with the sleeve, and a substantially radial end wall having a V-shaped annular recess therein, including the steps of inserting the end of the hose into the annular chamber, deforming the sleeve inwardly in a zone spaced away from the body portion of the coupling to compress the hose against the nipple and against the radial end wall, and thereafter compressing the hose against the nipple, crowding the material of the hose longitudinally of the coupling into the annular recess, and swinging the walls of the recess together to pinch the material of the hose therein by deforming the sleeve inwardly in a zone adjacent the body portion of the coupling.

2,073,910
LATCH FOR WINDOW OPERATORS
Adolph E. Strom, Portland, Oreg.
Application September 19, 1935, Serial No. 41,327
1 Claim. (Cl. 16—195)

In combination with a window-operator shaft having a pinion thereon, a plate disposed in parallelism to the pinion and in which one end of said shaft is journaled, said plate having a slot extending therethrough, a latch in said slot engageable between the teeth of said pinion, means

pivoting the latch to the plate, a spring leaf secured to one side of the plate crossing said slot and engaging one end of the latch to urge the latch into engagement with said pinion, said plate having a slot therethrough disposed at a



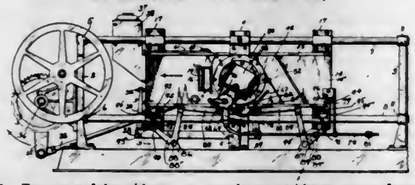
right-angle to the first mentioned slot and opening at the base of the latter, and an operating member operable in the second mentioned slot having a cam engageable with the latch to disengage the latter from the pinion.

2,073,911

MACHINE FOR MANUFACTURING BATTERY PLATE SEPARATORS

Wallace G. Tower, Milwaukie, Oreg.

Application December 19, 1934, Serial No. 758,283
11 Claims. (Cl. 144—42)



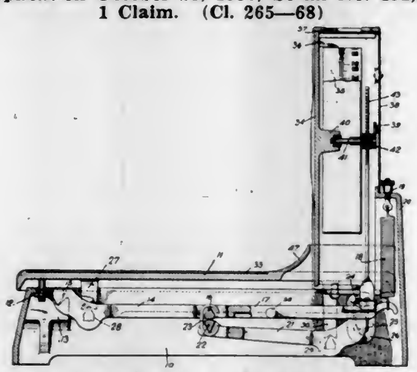
1. In combination, a reciprocating member, a grooving device and a shearing device mounted upon said member, a stock holding member including construction intermittently advancing the stock to a position to be attacked by the grooving and shearing devices, and mechanism actuated by the reciprocating member operable to alter the position of the stock holding member so that the grooving device may attack the stock along the grain and the shearing device attack it laterally of the grain.

2,073,912

SCALE

Harold L. Walker, Brooklyn, N. Y., assignor to The Jacobs Bros. Co. Inc., a corporation of New York

Application October 28, 1930, Serial No. 491,649
1 Claim. (Cl. 265—68)



A scale including, in combination, a platform, mechanism supported by said base for supporting said platform, a registering mechanism and housing therefor supported by said base and adjacent one end thereof, said registering mechanism being connected to said platform supporting mechanism, an extension forming a part of said base to the rear of such housing and extending adjacent the same to a point short of the upper edge of the latter, and movement resisting means positioned within such extension and supported from the upper end of such extension, said movement resisting means being connected to said platform supporting means.

2,073,913

MEANS FOR GAUGING MINUTE DISPLACEMENTS

Edmund Ramsay Wigan, Lee, London, England

Application September 4, 1935, Serial No. 39,116
In Great Britain June 26, 1934
19 Claims. (Cl. 177—351)



1. A contact indicating device for a linear dimension gauge comprising: a supporting base; a vibrator, the natural frequency of vibration of which, is adjustable; means for maintaining the said vibrator in a state of vibration the amplitude of which normally is controlled; a feeler gauge surface, the position of which, relative to the said supporting base, is capable of fine adjustment, mounted on the said vibrator; means for performing and controlling a gauging operation; means for producing, for controlling and for measuring very minute displacements of the said feeler gauge surface, for the purpose of fine adjustment; a contact gauge surface adapted to make contact with the feeler gauge surface when the said contact gauge surface is in a definite position, one of the two said gauge surfaces being carried by a solid body the displacement of which is the object of the gauging operation, the vibrator being so adjusted and mounted upon the said support that the frequency of one of its modes of natural vibration is near to the frequency of the driving forces of the vibrating system, the difference between these two frequencies having such a value that when the contact gauge surface comes in close proximity to the feeler gauge surface, so that it is touched by the latter with a certain very small force of impact, there is set up a particularly distinctive mode of intermittent contact between the two gauge surfaces which causes the said vibrator to break into a new vigorous mode of vibration characterized in that this vigorous vibration persists when the contact gauge surface is brought back into the position it occupied when the initial impact occurred, and even when it is withdrawn slightly further away and means for ascertaining substantially the instant when the vigorous vibration sets in.

2,073,914

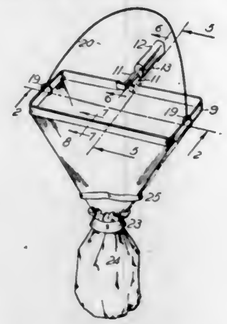
SAMPLE SACKER

Clifford R. Wilfley, Denver, Colo.

Application May 5, 1936, Serial No. 78,019
5 Claims. (Cl. 226—58)

1. An ore sample sacker comprising in combination, a collapsible funnel-shaped element, the large end having a hem, a frame in the hem, the small end having a hem, a ring in the last mentioned hem, the frame and ring serving to hold their respective ends open, a handle secured to

the frame to move about a pivot parallel with the plane of the frame, means for latching the



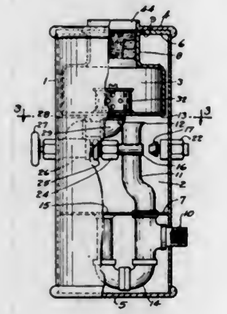
handle in a plurality of pivotal positions, and means for removably securing a bag to the open end.

2,073,915

HUMIDIFIER

Ralph P. Willis, New York, N. Y.

Application August 16, 1934, Serial No. 740,163
Renewed August 13, 1936
3 Claims. (Cl. 237—78)



1. A humidifier of the type adapted to use live steam with the entrained water therein having an outer shell with closures at the upper and lower ends and a horizontal partition forming a false bottom spaced from the lower end providing a live steam chamber between the partition and the upper end, a re-heating chamber positioned in the upper part of said casing and having a neck communicating with an opening in the upper end of the casing, a live steam connection extending through the wall of the casing below the partition, extending upward through the partition to a point just below the bottom of the re-heating chamber and also having a connection in the form of a U bend with the opposite end connected through the partition and communicating with the live steam chamber, a horizontally positioned valve in said live steam chamber and below the re-heating chamber, said valve having an opening communicating with said live steam chamber, a connection from the upper side of said valve to the bottom of said re-heating chamber, passing through the bottom thereof, a drum shaped member in said re-heating chamber covering the outlet of said connection and provided with filtering means opening through the sides thereof, and another filtering member in the neck at the upper end of said reheating chamber and adjacent the upper end thereof.

2,073,916

METHOD OF RECOVERING FIBERS FROM USED TEXTILE MATERIALS

Ivan V. Wilson, Dayton, Ohio, assignor to Merrimac Chemical Company, Everett, Mass., a corporation of Massachusetts

No Drawing. Application November 19, 1934, Serial No. 753,793
12 Claims. (Cl. 28—1)

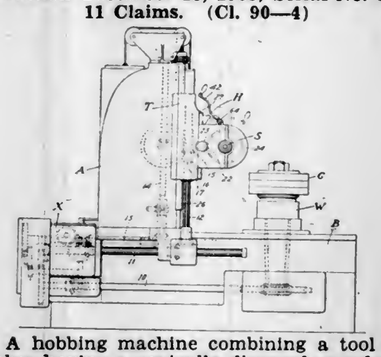
1. A method of removing rubber strands from woolen textiles containing them which comprises selectively hardening the rubber strands by means of a chemical reagent adapted to convert the rubber into a friable condition and then crumbling and dusting them from the fibers.

2,073,917

CUTTER POSITIONING DEVICE FOR HOBBING MACHINES

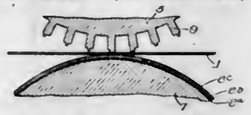
William F. Zimmermann, Maplewood, N. J., assignor to Gould & Eberhardt, Newark, N. J., a corporation of New Jersey

Application December 18, 1935, Serial No. 54,976
11 Claims. (Cl. 90—4)



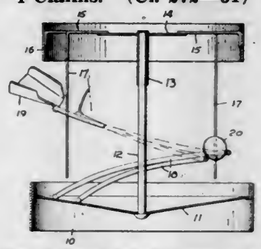
1. A hobbing machine combining a tool slide member having a centrally disposed annular recess formed in a flat forward surface thereof; a universally adjustable spindle carriage having a complemental flat surface and a centrally disposed projecting portion rotatively fitted to the walls of said annular recess in the slide and adapted for adjustment angularly thereon through 180°; means operating in said recess for rotating said spindle carriage angularly on said slide about the axis of said recess, comprising a non-rotatable rack member mounted to said slide in said recess and to the rear of the plane of the flat forward surface of said slide, a pinion shaft journaled in said rotatable carriage, a pinion thereon meshing with said rack member, a helicoidal worm gear mounted on said pinion shaft, a propelling shaft journaled in said pivotally mounted carriage and inclined relative thereto on an axis respectively transverse to the axis of rotation of said carriage and transverse to the plane of rotation thereof and extending forward to a position accessible to the operator in all angular positions of adjustment of the carriage, helicoidal gear teeth at the inner end of said shaft adapted to mesh with the teeth of said worm gear and means provided at the outer end of said shaft for receiving an actuating element for propelling same thereby to effect angular adjustment of said spindle carriage relative to said slide.

2,073,918
TYMPAN SHEET
Raymond C. Benner, Niagara Falls, Theodore E. Knowlton, New York, and Charles E. Wooddell, Niagara Falls, N. Y.; said Benner and said Wooddell assignors to said Knowlton
Application July 13, 1932, Serial No. 622,296
15 Claims. (Cl. 154—54.5)



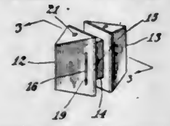
1. Tympan or printing blanket comprising a fabric base sheet, a flexible resilient ink-repellent layer on the base, and tough grit material associated with the ink-repellent layer.

2,073,919
REVOLVING TOY
Saul Berman, New York, N. Y.
Application February 18, 1936, Serial No. 64,454
4 Claims. (Cl. 272—31)



2. In a toy, a base having an upright post, a laterally disposed wheel rotatably supported on said post and provided with spaced depending rods, a spiral track having parallel rails arranged on opposite sides of the circular path of the depending rods, and a rolling piece for said track to run behind one of said rods and cause the wheel to rotate.

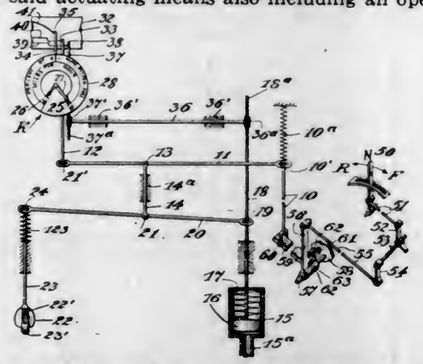
2,073,920
KNIFE STRUCTURE FOR TRIMMING MECHANISM
Jacob Brussell, New York, N. Y.
Application September 5, 1936, Serial No. 99,521
11 Claims. (Cl. 112—122)



1. In a trimming mechanism for sewing machines, an arm, a reciprocating knife thereon, a ledger blade cooperating with said knife, means for applying pressure between said knife and blade, at least one opening at each of the contact faces of said knife and blade, and means for admitting lubricant to said opening.

2,073,921
METHOD AND MEANS FOR CONTROLLING THE OPERATION OF STEAM ENGINES
Virginius Z. Caracristi, Bronxville, N. Y.
Application July 24, 1934, Serial No. 736,654
8 Claims. (Cl. 121—142)

1. In combination, an engine indicator including a movable indicating element, means for indicatively moving said element and means for actuating said element moving means including a lever pivoted intermediate its ends, said lever at one end being connected to said actuating means and at its other end being provided with means for connection to the valve control for the propulsion medium of the engine, means movable in response to variations in pressure of steam supplied to the engine, and means movable in response to variations in engine driving piston pull as influenced by piston speed thereof, said actuating means also including an operative connection between the element moving means and said means movable in response to variations in steam pressure, and an operating connection between the element moving means and the means movable in response to variations in engine driving piston pull, whereby the relative positions of the indicating element and cut-off adjusting mechanism may be modified to compensate for variations in steam pressure and driving piston pull.



2,073,922
BIRD AND SONG WHISTLE
Oscar Cobia, Los Angeles, Calif.
Application October 19, 1936, Serial No. 106,349
2 Claims. (Cl. 46—179)



1. A device of the class described having a nose-cap with an aperture to align with the nostrils of an operator, a mouth-plate extending downwardly from the nose-cap and having an aperture to align with the mouth of the operator, a chamber securely mounted over the back of the nose-cap and having a portion extending back of the mouth-plate so as to form a narrow channel closely related to the mouth-aperture, and a tuning member having a cut-out and being shiftably inserted into the channel so that a portion of the cut-out aligns with the mouth-aperture.

2,073,923
ART OF STABILIZING SOAP
Ernest C. Crocker, Belmont, and Lloyd F. Henderson, Reading, Mass., assignors to Arthur D. Little, Incorporated, Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application November 27, 1933, Serial No. 699,922
12 Claims. (Cl. 87—16)

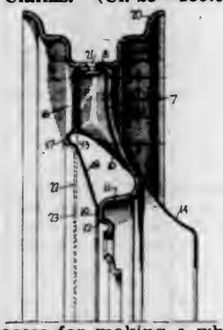
1. The art of stabilizing soap against rancidity and discoloration induced by copper and iron

cations, which act catalytically to promote oxidation of ingredients of the soap, which comprises incorporating in the soap a reagent containing the radical of the formula

$$-OOC-(CH_2)_n-\underset{\displaystyle NH_2}{\underset{|}{CH}}-COO-$$

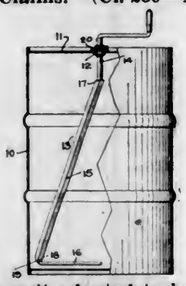
in which $n=1$ or 2 in sufficient amount completely to react with the copper and iron cations contained in the soap to be treated.

2,073,924
METHOD OF MAKING A WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 1, 1934, Serial No. 723,306
3 Claims. (Cl. 29—159.03)



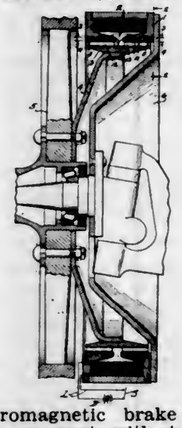
1. In a process for making a wheel including complementary spiders providing tubular spokes and a hollow nave radially inwardly thereof, the method of fabrication and assembly which comprises forming the inner portion of the annulus of one of said spiders to stand away from the annulus of the other spider, when assembled to provide an opening into the hollow nave and tubular spokes in securing a rim to the spokes by an operation including the extension of an element or elements radially outwardly through the spokes, and in bending said inner portion against the other spider and securing it thereto, thereby closing the opening.

2,073,925
PORTABLE AGITATOR
Charles E. Farrington, Phoenixville, Pa.
Application August 15, 1934, Serial No. 739,852
4 Claims. (Cl. 259—107)



1. A mixing unit adapted to be removably inserted into the interior of a transport container for paint or the like by way of the bung hole ordinarily provided in the head thereof comprising a vertically disposed shank rotatably journalled within said bung hole, a stirrer bar formed as a downwardly inclined extension of said shank with the lower extremity thereof adapted for disposition in the immediate vicinity of the joint formed between the bottom and side walls of the drum and a bottom member extending laterally from the lower extremity of said stirrer bar and toward the axis of said shank, said stirrer bar being in the form of a self-bracing member of angle cross-section with the mouth of the angle presenting in the direction of rotation of the bar, and means quick-detachably secured to the shank exteriorly of the drum for effecting rotation of said stirrer bar.

2,073,926
ELECTROMAGNETIC BRAKE
Ethelbert M. Fraser, Yonkers, N. Y., assignor to Fraser Automotive Appliances, Inc.
Application April 16, 1934, Serial No. 720,717
39 Claims. (Cl. 188—104)



1. An electromagnetic brake comprising in combination a magnet with toothed poles, a toothed magnetic armature for said magnet, one of said members being rotatable relatively to the other, the teeth of one of said members being disposed at an angle to the teeth on the other of said members, and means for energizing said magnet.

2,073,927
ADHESIVE COMPOSITION
Arthur D. Fuller, New York, N. Y., assignor to National Adhesives Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 21, 1934, Serial No. 758,550
3 Claims. (Cl. 134—17)

1. An adhesive composition comprising an aqueous dispersion of rubber, glycerine, casein and added water in the following relative proportions:

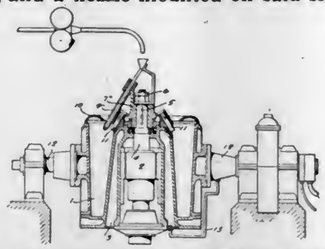
	Percent
Aqueous dispersion of rubber (60%)	40 to 75
Glycerine	15 to 40
Casein	3 to 8

and added water of the order of 20% of the total ingredients.

2,073,928
REEL FOR COILING WIRE
Josef Gassen, Dusseldorf-Oberkassel, Germany, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany, a corporation of Germany
Application March 12, 1935, Serial No. 10,626
In Germany March 3, 1934
4 Claims. (Cl. 242—83)

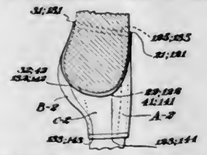
4. In a reel for coiling wire, a casing defining a coiling space, a rotatable shaft surrounded

thereby, and a nozzle mounted on said shaft for



rotation therewith and disposed to guide wire into said coiling space.

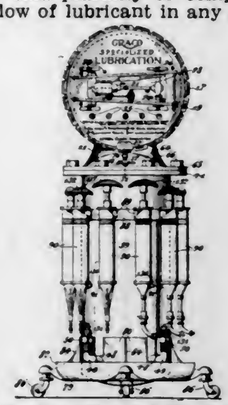
2,073,929
GARMENT
Harry Goldstein, New York, N. Y.
Application August 30, 1935, Serial No. 38,506
2 Claims. (Cl. 2—224)



1. A bifurcated nether garment comprising a front portion consisting of an abdominal portion and two leg portions projecting downwardly therefrom, said abdominal portion tapering upwardly and, said garment comprising further a back portion consisting of symmetrically contoured lateral sections, each comprising a seat portion having a convexly curved rear edge, and a leg portion having a compoundly curved rear edge, convex at its upper portions and concave at its lower portions, and said sections being joined along said convexly curved rear edge of the seat portion, and said garment having further inner leg portions, each having its rear edge compoundly curved and contoured so that it is a mirror image of the aforesaid compoundly curved rear edge and united to said compoundly curved rear edge, and said portions being dimensioned so as to provide fullness at the seat and adjacent parts of the garment, said garment at other points thereof being substantially closely form-fitting.

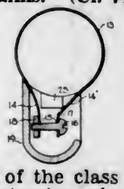
2,073,930
SPECIALIZED LUBRICATION SYSTEM AND MEANS
Leil L. Gray, Minneapolis, Minn.
Original application December 25, 1931, Serial No. 583,159. Divided and this application August 15, 1932, Serial No. 628,864
9 Claims. (Cl. 221—47.5)

1. Lubricant apparatus including a multiple-compartment lubricant reservoir having a plurality of compartments exterior to each other, the upper ends of which are open with respect to each other and which are adapted separately to contain different lubricants, an upwardly opening outlet for each of said compartments communicating with the lower ends of the respective compartments for discharging some of the contents thereof into any portable lubricant dispensing pump, an inwardly opening check-valve associated with each outlet and adapted to be unseated by axial pressure manually exerted thereon by pressing the inlet of such lubricant dispensing pump against said outlet, and means common to said plurality of compartments for causing a flow of lubricant in any of the several



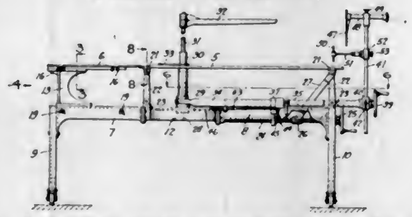
compartments towards and through the respective outlets thereof at the will of the operator.

2,073,931
STEERING FACILITIES OF AN AUTOMOBILE
Hans Peter Hansen, New York, N. Y.
Application March 28, 1936, Serial No. 71,509
5 Claims. (Cl. 74—557)



1. In a device of the class described, in combination with a steering wheel, a knob-member, the latter comprising a substantially ring-shaped member formed with projecting flanges and adapted to encircle the rim of said steering wheel, a substantially box-shaped enclosure open at one side and at the top thereof, studs arranged at the upper end of said enclosure and extending partially across the open space at the top thereof, the studs of said enclosure being adapted to slide between the ends of the flanges of the ring-shaped member, and a screw-bolt mounted through said flanges and adapted to tighten the ring member relative to the rim of the steering wheel and to the enclosure, respectively.

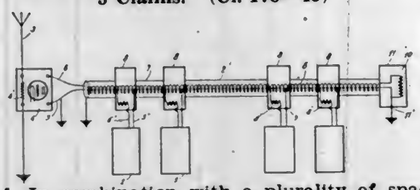
2,073,932
SURGICAL TABLE
George W. Hawley, Colorado Springs, Colo., assignor to Scanlan-Morris Company, Madison, Wis.
Application November 29, 1932, Serial No. 644,770
4 Claims. (Cl. 128—71)



1. A surgical table comprising a top for the support of a human body, a support for the top

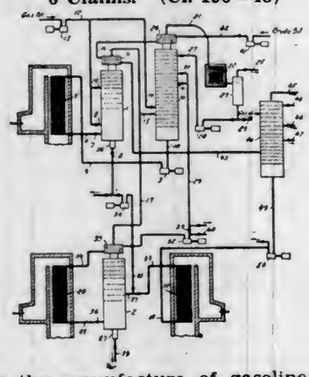
including foot-supported alined bar members connected by an annular member, a post extending upwardly from the center of the annular member, arms having one end pivoted to the post, the free ends of the arms having laterally extending brackets, a standard slidably mounted in the end of each bracket and leg-supporting appliances carried by the standards.

2,073,933
RADIO FREQUENCY DISTRIBUTION SYSTEM
Philip J. Herbst, Pennsauken, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 4, 1931, Serial No. 527,655
5 Claims. (Cl. 178—45)



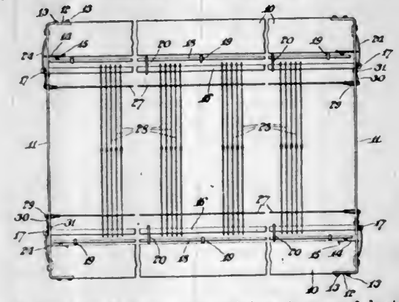
1. In combination with a plurality of spaced radio receiver sets and an aperiodic central antenna, a uniformly loaded aperiodic radio frequency transmission cable arranged to transmit radio frequency currents efficiently over a substantial distance consisting solely of two conductors connected one as a return for the other and consecutive turns thereof being closely adjacent to provide a high and uniform radio frequency inductive reactance, one of said conductors being uniformly spiralled about the other, throughout the entire length thereof, the inner conductor being connected to the ground side of said antenna and sets, said spiralled conductor being connected to the high potential side of said antenna, a conductive connection including a coupling impedance of high value between the high potential terminal of each of said receivers and said spiralled conductor, said conductors being completely insulated from each other, and said sets being connected to said conductors at irregular intervals along said cable.

2,073,934
ART OF CRACKING
Eugene C. Herthel, Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 16, 1933, Serial No. 676,057
6 Claims. (Cl. 196—48)



1. In the manufacture of gasoline, the improvement which comprises forcing a stream of high boiling oil through a heater and heating it therein to a high cracking temperature and discharging the hot oil products into a vapor separator, forcing an independent stream of oil of lower boiling range through a separate heater and heating it therein to a high cracking temperature and discharging the hot oil products into a separate vapor separator, combining the vapor mixtures escaping from both vapor separators and subjecting the composite mixture to a common fractionating operation and taking off from this fractionating operation and condensing a low boiling fraction including the gasoline product, supplying a higher boiling fraction separated in this fractionating operation to the first-mentioned heating operation, introducing a relatively cool residual oil including constituents corresponding to components of the high boiling oil supplied to the first-mentioned heating operation into the second-mentioned vapor separator, introducing a relatively cool oil of lower boiling range into the first-mentioned vapor separator, and discharging tar from both vapor separators.

2,073,935
HEDDLE FRAME
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 12, 1934, Serial No. 752,640
2 Claims. (Cl. 139—91)



1. A heddle frame comprising top and bottom rails, end members made of flat strips of metal having portions extending across the end faces of said top and bottom rails, heddle supporting rods having their end portions extending through the end members, and spring wire retaining members mounted in the end members for securing the heddle supporting rods, said retaining members being secured to said end members in the portions thereof which extend across the end faces of the rails, each of said retaining members having a portion extending along the inner face of the end member, and a portion extending inwardly which engages an aperture in the end of the heddle supporting rod, the end portion of the rail having a recess in which is disposed that portion of the retaining member which extends along the inner face of the end member.

2,073,936
LOOM HARNESS
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 24, 1935, Serial No. 41,859
4 Claims. (Cl. 139—92)

1. In a loom harness frame, heddle supporting bars and heddles mounted thereon, each of said

heddles being made of a thin flat strip of metal and having slots in its end portions for mounting the heddle on the bars, an end portion of the heddle being provided with flat portions disposed in a plane offset out of the main plane of the body portion of the heddle in the same direction on each side of the heddle bar, the width of said end portion being uniform with that of the body por-



tion of the heddle, and the relationship between the length of the slot, the length and location of the offset flat portions, and the width of the heddle bar being such as to permit up and down motion of the heddle with respect to the bar but to such extent only that substantially all of the offset flat portion on each side of the bar will be disposed within limits defined by the top and bottom edges of the bar.

2,073,937

ESTERS OF POLYCARBOXYLIC AROMATIC ACIDS

Lucas P. Kyrides, Webster Groves, Mo., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application June 20, 1932, Serial No. 618,305

10 Claims. (Cl. 260—103)

1. A neutral alkyl glycollate ester of a mono alkyl phthalate, wherein each of said alkyl groups is saturated.

2,073,938

SOLVENT AND PLASTICIZING COMPOSITION

Lucas P. Kyrides, Webster Groves, Mo., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application December 27, 1932, Serial No. 648,986

17 Claims. (Cl. 106—37)

1. An organic plastic composition comprising one of the following: cellulose esters, cellulose ethers, alkyd resins, phenolic-aldehyde resins, styrol resins and polymerized vinyl esters, which composition is admixed with a plasticizer characterized in that it is a neutral ester of a monoalkyl ester of a dicarboxylic acid of the group consisting of phthalic acid, chlorphthalic acid, succinic acid, adipic acid and diglycollic acid, the other carboxyl group of the dicarboxylic acid being esterified by one of the following: an oxy acetic alkyl ester, an oxy propionic alkyl ester, and an oxy butyric alkyl ester wherein each of said alkyl groups is saturated.

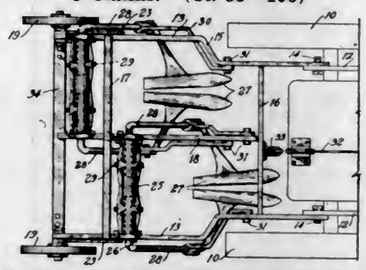
2,073,939

BEET DIGGING ATTACHMENT FOR TRACTORS

Berton M. Lair, Eaton, Colo.

Application March 28, 1936, Serial No. 71,436

8 Claims. (Cl. 55—106)



1. A frame for supporting beet digging plows behind a tractor comprising: two substantially horizontal side bars, the forward portion of each of said bars being inset from the rearward portion thereof; means for attaching the forward extremities of said bars to a tractor; a middle bar parallel to and between said side bars; a sleeve extending from each side bar to said middle bar; two pairs of plow beams, each pair having its upper extremities turned into the extremities of one of said sleeves; a digging plow secured on the lower extremity of each of said plow beams; and means for supporting the rearward extremity of said frame.

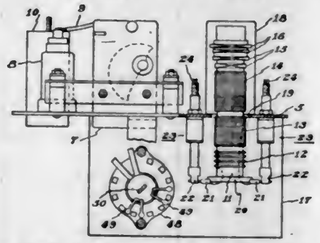
2,073,940

COIL MOUNTING SYSTEM FOR HIGH FREQUENCY CIRCUITS

Vernon D. Landon, Collingswood, and William H. Conron, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application January 31, 1936, Serial No. 61,779

14 Claims. (Cl. 250—40)



1. In a high frequency circuit tuning system, the combination of a chassis element, a tubular coupling coil unit comprising a plurality of coaxial coils, and a plurality of tubular circuit elements for tuning said coils extending in axially parallel relation to said coil unit providing suspension means for said unit in connection with said chassis.

2,073,941

CONTAINER CLOSURE

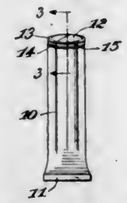
Stanley Lowen, Bronx, N. Y., assignor to Patent Tube Corp., New York, N. Y., a corporation of New York

Application November 7, 1935, Serial No. 48,642

4 Claims. (Cl. 220—48)

1. A receptacle in the form of a collapsible metal tube including integral end and body structure, said body structure being provided

with an indented at least partially inclosing groove, said groove having a side wall thereof forming a sharp internal angle with the wall of



said body structure, a weakened portion formed at the apex of said angle forming a readily rupturable frangible zone.

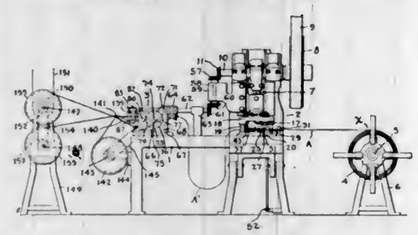
2,073,942

APPARATUS FOR MAKING MULTIPLEX FASTENERS OR NAILS

Joseph H. McFaul, Chicago, Ill., assignor to The Gerrard Company, Inc., a corporation of Delaware

Application May 1, 1936, Serial No. 77,343

26 Claims. (Cl. 10—28)



5. A nail-strip machine having, in combination, a punch-press provided with several different kinds of punches; a strip advancing means carried by said punch-press; means for separating the strip into a plurality of nail-strips; and a take-up mechanism for the several nail-strips.

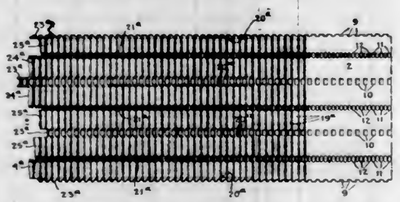
2,073,943

METHOD OF MAKING MULTIPLEX FASTENERS OR NAILS

Joseph H. McFaul, Chicago, Ill., assignor to The Gerrard Company, Inc., a corporation of Delaware

Application May 1, 1936, Serial No. 77,344

11 Claims. (Cl. 10—34)



1. The method of producing corrugated nail-strip, comprising simultaneously slotting and perforating a flat strip of material along parallel lines, intermittently advancing the strip to a given point corrugating the strip transversely, severing the strip into a plurality of parallel duplex strips, and dividing the duplex strips into individual nail strips.

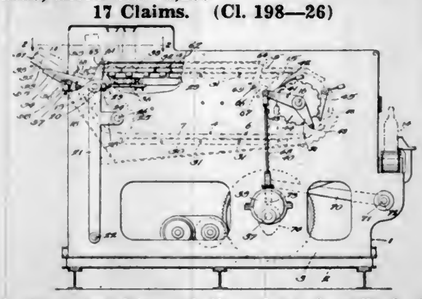
2,073,944

CONTAINER LOADING APPARATUS

Ivan H. Risser, Chicago, Ill., assignor to U. S. Bottlers Machinery Co., Chicago, Ill., a corporation of Illinois

Original application August 27, 1935, Serial No. 38,031. Divided and this application April 18, 1936, Serial No. 75,180

17 Claims. (Cl. 198—26)



1. In a machine of the class described, the combination with a container conveyor having recesses for receiving necks of containers so as to support same in inverted position, of means for feeding containers to the conveyor by force of gravity including means for temporarily checking the feeding movement of a container when its neck is partially received in a recess, wherein the last means includes a member movable across the path of feeding movement of the container and having formations arranged to be successively engaged by the neck end and shoulder at the base of the neck thereof when moved out of the path of same.

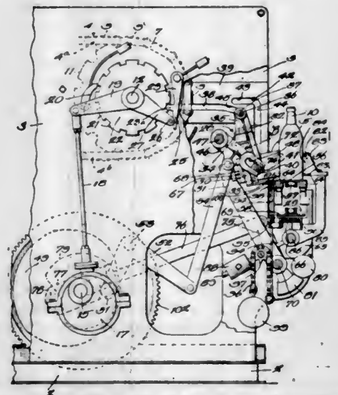
2,073,945

CONTAINER DISCHARGING APPARATUS

Ivan H. Risser, Chicago, Ill., assignor to U. S. Bottlers Machinery Co., Chicago, Ill., a corporation of Illinois

Application August 10, 1936, Serial No. 95,187

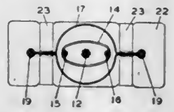
9 Claims. (Cl. 198—27)



1. In a machine of the class described, the combination with means to position a container at a given station with a pocket to receive an end portion of the container, of means to transport the container from the station including a movable carrier head located at the station with means thereon to receive the container and confine same against endwise displacement on the head, and means to move the carrier head to and from the station so that the head is moved

bodily away from the pocket in a plane paralleling its axis at least while the end of the container is removed from the pocket.

2,073,946
ELECTRON DISCHARGE DEVICE
Bernard Salzberg, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 22, 1933, Serial No. 690,504
4 Claims. (Cl. 250—27.5)



1. An electron discharge device having a straight cylindrical cathode, a tubular grid electrode surrounding and coaxial with said cathode and having a side rod parallel to said cathode, a tubular plate electrode surrounding said grid electrode and coaxial with said cathode, said grid electrode being elliptical in cross section, and the minimum spacing between said electrodes being at said side rod.

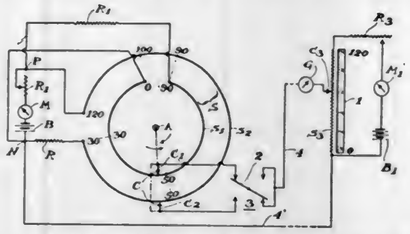
2,073,947
PORTABLE SECTIONAL FENCE
John A. Sander, Wichita, Kans.
Application June 19, 1935, Serial No. 27,394
2 Claims. (Cl. 256—24)



1. A portable fence section, said section comprising a parallelogram frame having fencing material thereon, the corners of said frame being held together by gusset plates, said gusset plates having holes therein and being pivotally affixed to the adjacent members of said frame so as to permit the adjustment of said frame and gusset plates so that after the frame has been adjusted, the gusset plates may be adjusted so that the holes therein will be covered by the frame elements so that binding elements may be passed through said holes into or through said frame elements to rigidly bind and hold said frame in its adjusted position.

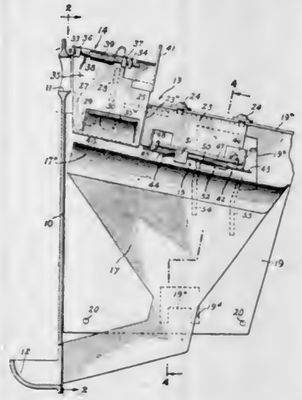
2,073,948
ELECTRICAL TELEMETRY
William R. Schofield, Jr., Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 14, 1933, Serial No. 675,705
18 Claims. (Cl. 177—351)

1. An electrical measuring system comprising a transmitting station, a receiving station, a link circuit between said stations, a slide wire at said transmitting station extending more than 360° and having a low potential portion overlapping a higher potential portion, contact structure having contact elements for engaging said slide wire, one of said elements engaging said low potential portion while the other engages said high potential portion, structure responsive to changes of a condition for effecting relative rotation of said slide wire and contact structure of more than 360°, and switching means for selectively connecting



one or the other of said contact elements to said link circuit.

2,073,949
COIN DETECTOR MECHANISM
Gilbert J. Scofield, Loudonville, N. Y.
Application November 8, 1934, Serial No. 752,051
7 Claims. (Cl. 194—103)

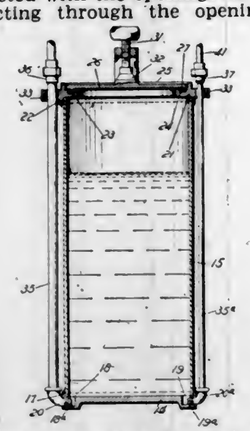


7. In coin detector construction, in combination, means forming a coin chute, said means including a part pivotally associated with said chute and forming a portion thereof, a member associated with said chute and movable longitudinally thereof to vary at will the balance of said part, said member being moved to a position on said part wherein the part is prematurely pivoted upon the passage thereover of an overweight slug, and remains unmoved upon the passage thereover of an underweight slug, and means movable transversely of the pivotal axis of said part to yieldably hold said member in engagement with said part at any predetermined position thereon.

2,073,950
BEVERAGE COOLER
Robert M. Seibert, Littleton, Colo.
Application May 2, 1936, Serial No. 77,533
4 Claims. (Cl. 225—1)

1. A cooling apparatus for use in dispensing beverages, comprising in combination, a hollow cylinder, a bottom having a cylindrical flange lapping the cylinder, a ring positioned on the upper end of the cylinder, said ring having a circular flange lapping the cylinder, the bottom having two openings communicating the inside of the cylinder with the outside, the ring having two perforated lugs, pipes having their lower

ends connected with the openings in the bottom and projecting through the openings in the



perforated lugs, and means for closing the opening in the ring.

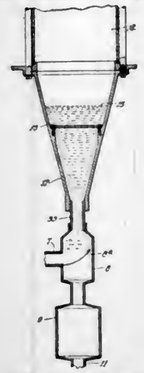
2,073,951
SILENCER FOR GASEOUS CURRENTS
Norman Hasting Servais, Westminster, London, England, assignor to Servais Services Limited, London, England, a British company
Application February 28, 1936, Serial No. 66,156
In Great Britain December 9, 1935
8 Claims. (Cl. 181—42)



1. A silencer for gaseous currents of the type specified, comprising the combination with a casing through which the gaseous currents are directed, of an annular composite sound absorbing filling in said casing, said filling comprising a relatively fine fibrous sound absorbing material such as steel wool, and a relatively rigid openwork material such as expanded metal, said last-named material being interlaced with the first-named material to serve additionally as a binder for holding the latter together.

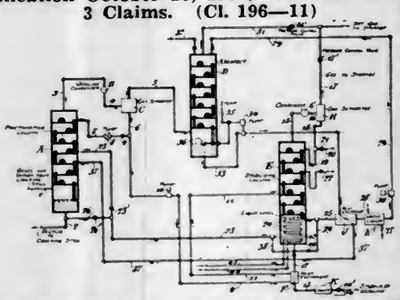
2,073,952
SEPARATION OF MATERIAL
Claude H. Shepherd, Chicago, Ill.
Application September 21, 1934, Serial No. 744,935
8 Claims. (Cl. 209—155)

5. A method of separating finely divided solid materials of different specific gravity which comprises transporting the materials in a light carrier liquid at a sufficient velocity head to cause the liquid to carry all of the material, directing the high velocity stream upwardly against the bottom of a body of liquid which has a specific gravity substantially greater than that of the carrier liquid and of part of the solid materials but equal to or less than that of the remainder of the solid materials, raising and supporting said body on said carrier stream, gradually expanding the combined cross sectional area of the stream and body from the bottom of said body upwardly to the top of the body until the velocity of the stream is reduced below that necessary to carry the liquid of high specific gravity and the heavier materials but is sufficient to carry the materials lighter than said liquid of high specific gravity



upwardly from the top of said body, and discharging the stream upwardly from said body at said lower velocity.

2,073,953
TREATMENT OF HYDROCARBONS
Horace M. Weir and Richard B. Chillas, Jr., Philadelphia, Pa., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 16, 1931, Serial No. 569,220
3 Claims. (Cl. 196—11)



3. The process of refining petroleum products which comprises introducing into a fractionating zone a mixture of gas, vapors of gasoline and vapors of hydrocarbons less volatile than gasoline, fractionally condensing therein the vapors less volatile than gasoline, passing the mixture of gas and gasoline vapors from the fractionating zone to a condensing zone wherein the major portion of the gasoline is liquefied, conducting uncondensed portions of the gas-vapor mixture to an absorbing zone, introducing the liquefied gasoline into a stabilizing zone, withdrawing from the fractionating zone a liquid fraction less volatile than gasoline, passing it without previous substantial reduction in temperature through the stabilizing zone in indirect heat-interchange relation with the gasoline to distill therefrom volatile components and to cool said liquid fraction, thereafter further reducing the temperature of said liquid fraction and passing it into direct contact with the uncondensed portions of the gas-vapor mixture in the absorbing zone, withdrawing therefrom said fraction enriched with that portion of the gas-vapor mixture absorbed therein and vaporizing the absorbed constituents by heat contained in the mixture of gas, vapors of gasoline and vapors of hydrocarbon less volatile than gasoline.

2,073,954

ERGOT ALKALOID AND PROCESS FOR OBTAINING THE SAME

Emil Wolf, Budapest, Hungary, assignor, by mesne assignments, to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application December 3, 1931, Serial No. 578,852. In Hungary September 17, 1931

6 Claims. (Cl. 260—25)

1. A physiologically highly active ergot-alkaloid, soluble in and crystallizable from benzene, chloroform, dioxan and dichlorethylene, having a specific rotation in choloroform of

$$[\alpha]_D^{30} = +125°$$

and a melting point of 180–184° C.

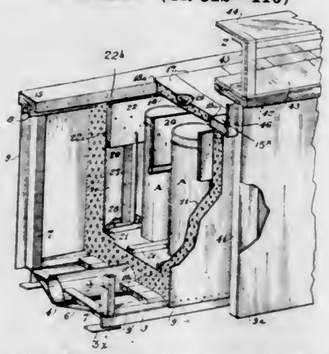
2,073,955

CABINET AND COUNTER STRUCTURE

Michael H. Ackerman, Mansfield, Ohio

Original application January 3, 1933, Serial No. 649,888, now Patent No. 1,968,813, dated August 7, 1934. Divided and this application January 29, 1934, Serial No. 708,854

4 Claims. (Cl. 312—116)



1. A casing for holding in side by side relation containers filled with materials to be dispensed and open at their tops, comprising a bottom, on which the containers are supported, side and end walls forming with said bottom a chamber having an opening at its upper end between said side and end walls, the upper ends of said side walls being disposed in the same horizontal plane above the tops of the containers and having portions shaped to provide guides extending along either side of said chamber opening from end to end thereof, and a plurality of separable lids for closing said chamber opening to enclose the containers therein, said lids being provided along their opposite ends with means for slidably and removably engaging said guides and adapted to be arranged in substantially side edge to side edge relation, whereby the chamber opening may be closed, and when one or more lids are removed the remaining lids may be slid along said guides to expose any desired container.

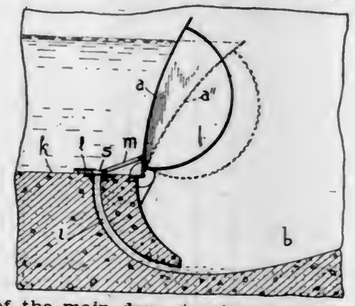
2,073,956

DAM

Theodor Becher, Wiesbaden, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Nuremberg, Germany, a corporation of Germany

Application September 18, 1935, Serial No. 41,079
In Germany September 27, 1934
3 Claims. (Cl. 61—25)

1. The combination with a main dam structure having an upper portion and a lower portion formed on the bed of a stream, with a wall connecting both portions, the lower portion being disposed downstream with respect to the upper portion of the dam structure and forming a cavity extending across the bed of the stream at the rear or downstream side of said wall, of a movable flap hingedly connected along one edge to the upper portion of the dam structure adjacent to said wall, said flap being adapted to normally project upwardly from the upper portion of the main dam structure to dam up the water in the stream and being adapted when swung downwardly to be disposed within the cavity on the downstream side of said wall, a passage formed in the dam structure and connecting the pool on the upstream side of said flap with the cavity, and means operatively connected to said flap and mounted in the dam structure at the entrance to said passage for controlling communication through the passage.

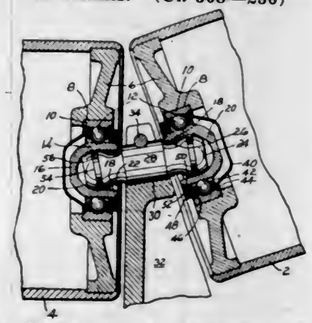


2,073,957

BEARING MOUNTING

Rodger D. Brouwer, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 4, 1934, Serial No. 746,855
12 Claims. (Cl. 308—236)



1. In a device of the character described, a pair of members tiltably engaging one another, one of said members having a groove, a wavy spring in the groove and having undulations deeper than the groove, some of the undulations pressing yieldingly against the bottom of the groove and some pressing yieldingly against the other member; substantially as described.

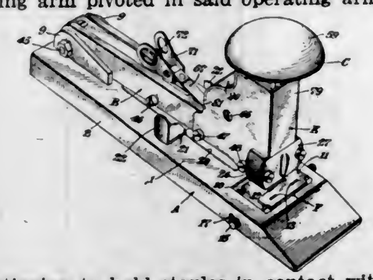
2,073,958

STAPLING MACHINE

Stephen A. Crosby, New York, N. Y., assignor to Parrot Speed Fastener Corporation, New York, N. Y., a corporation of New York

Application December 10, 1932, Serial No. 646,570
33 Claims. (Cl. 1—3)

1. In a stapling machine, the combination of a base, an operating arm pivoted thereto, a driving plunger carried by said arm, a staple driving and setting plate operated by said plunger, means for feeding staples under said plate, a staple supporting arm pivoted in said operating arm and functioning to hold staples in contact with the end of said driving plate, said driving plate being recessed at its lower end to form a shoulder with which the free end of said supporting arm engages as the driving plate moves into its final position.

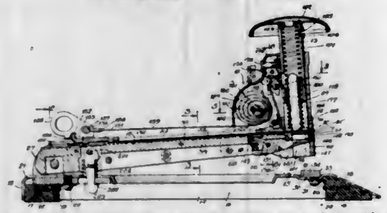


2,073,959

STAPLING MACHINE

Stephen A. Crosby, New York, N. Y., assignor to Parrot Speed Fastener Corporation, New York, N. Y., a corporation of New York

Application September 1, 1934, Serial No. 742,382
52 Claims. (Cl. 1—3)



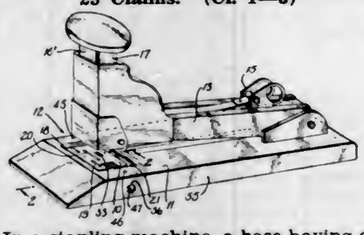
1. In a stapling machine, the combination of, a base having an anvil and a self-raising but depressible arm pivotally connected to said base, said arm comprising a reciprocable driver having a blade, said arm including a staple strip supporting rail, said arm comprising spaced sides each having an inwardly disposed rib coacting with depending legs of the staples of said strip to closely but movably confine said legs against the sides of said rail.

2,073,960

ANVIL FOR STAPLING MACHINES

Stephen A. Crosby, New York, N. Y., assignor to Parrot Speed Fastener Corporation, New York, N. Y., a corporation of New York

Application March 7, 1935, Serial No. 9,710
25 Claims. (Cl. 1—3)



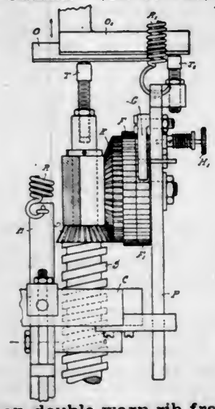
1. In a stapling machine, a base having a horizontally shiftable unitary anvil comprising spaced elongated staple deforming indentations, means pivoted to said base and adapted to be actuated by said anvil during displacement of said anvil longitudinally of said base, and means cooperating with said pivoted means to prevent accidental displacement of said anvil.

2,073,961

DEVICE ON DOUBLE WARP RIB FRAMES FOR PRODUCING PATTERN STRIPES RUNNING IN ZIG-ZAG LINES IN THE FABRIC

Max Dallos, Budapest, Hungary, assignor of one-half to Max Gluck, Budapest, Hungary

Application May 1, 1936, Serial No. 77,405
In Hungary May 10, 1935
3 Claims. (Cl. 66—87)



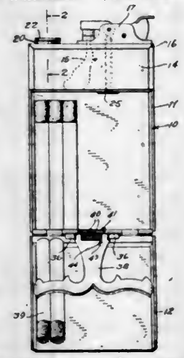
1. A device on double warp rib frames for production of pattern stripes extending in zig-zag lines in the fabric, comprising in combination bars of the frame, groups of eye needles on said bars, means for actuating said bars, an intermittently operating driving mechanism acting on one of said bars to impart thereto an additional movement in the longitudinal direction of the bar, said mechanism comprising a screw spindle, a pair of ratchet wheels connected to said mechanism, pawls one for each of said ratchet wheels, and means for alternately engaging said pawls with their respective ratchet wheel.

2,073,962

CIGARETTE CASE

William Alexander Dion, Plainville, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts

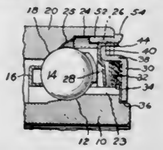
Application April 10, 1930, Serial No. 443,171
8 Claims. (Cl. 206—41)



6. In a cigarette case, in combination, a container comprising a pair of relatively movable

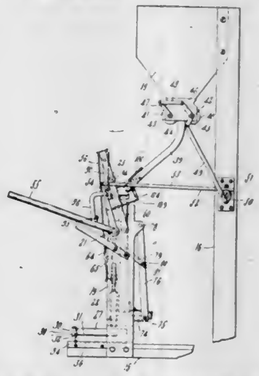
cover members, a hinge pin pivotally connecting said cover members, a presser member hingedly mounted adjacent said hinge pin, and a pair of coacting coil springs connected to each other at one end, one of said springs being connected to said cover members to resiliently force said cover members toward each other and the other of said springs being connected to said presser member to resiliently hold said presser member against one of said cover members.

2,073,963
ANTIFRICTION BEARING AND SEAL
Henry H. Edwards, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 25, 1935, Serial No. 23,495
6 Claims. (Cl. 308—187.2)



1. In a bearing, a race ring having a filling slot, a filler fitting in the slot, and a sealing device having a portion of a peripheral edge expanded against the filler; substantially as described.

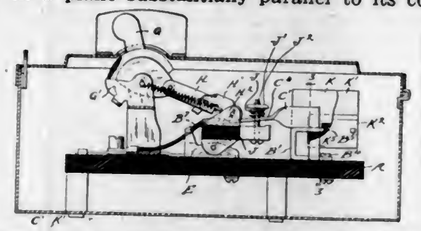
2,073,964
BOTTLE STOPPING MACHINE
Laurence M. Foss, Wakefield, Mass., assignor of one-half to Paul K. Guillow, Wakefield, Mass.
Application August 31, 1934, Serial No. 742,255
22 Claims. (Cl. 226—92)



1. In a machine of the character described, a hopper having an outlet, rolls mounted at opposite sides of said outlet having grooves opposite to one another, means for oscillating said rolls so that both turn in the same direction of rotation at the same time, and a recipient for articles passed in orderly arrangement between said rolls.

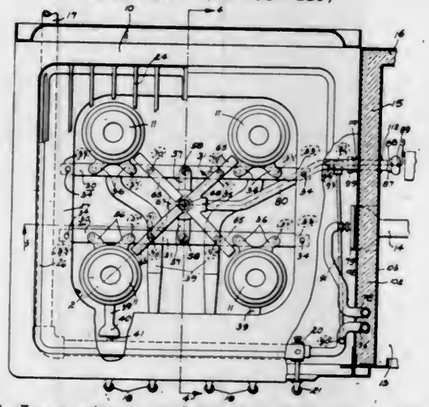
2,073,965
MAGNETIC BLOW-OUT DEVICE
John G. Jackson, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Original application April 24, 1933, Serial No. 667,696. Patent No. 2,009,050, July 23, 1935. Divided and this application February 12, 1934, Serial No. 710,935
22 Claims. (Cl. 200—144)

1. In a circuit breaker, the combination with fixed and movable contact members, of a U-shaped magnetic member mounted directly on one of said contact members with the legs thereof in a plane substantially parallel to its con-



tacting surface and exposing only sufficient surface between the legs of the U for engagement with the cooperating contact member.

2,073,966
STOVE
Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application July 17, 1931, Serial No. 551,407
4 Claims. (Cl. 158—115)

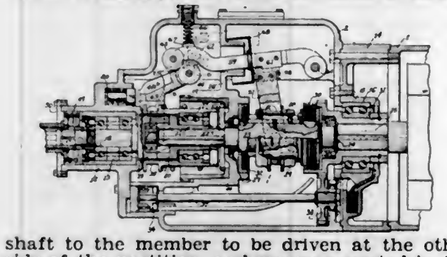


1. In a stove, cooking top burners, a pilot burner, a common supporting means for said cooking top burners and pilot burner, means for conducting a flow of fuel from said cooking top burners to said pilot for automatic ignition thereby comprising tubes extending from adjacent each cooking top burner and terminating adjacent the pilot, means joining said tubes into a unit assembly, a hood projection on said tube unit assembly, an oven burner positioned remotely from said pilot burner, an ignition tube extending from adjacent said oven burner and terminating short of the pilot burner, means for securing said oven burner ignition tube upon said burner supporting means, and means for removably supporting said cooking top ignition tube unit independently of said pilot and in fixed relationship with the pilot and the oven burner tube with the hood projection of the tube unit overlying the oven tube end.

2,073,967
BOLT TURNING MACHINE AND THE LIKE
Albert Kiefer, Cincinnati, Ohio, assignor to The Hisey-Wolf Machine Company, Cincinnati, Ohio, a partnership composed of Walter J. Friedlander and John W. Friedlander
Application December 12, 1932, Serial No. 646,880
Renewed April 1, 1935
5 Claims. (Cl. 192—150)

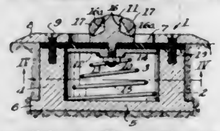
1. In a device of the character described, the combination of a casing having an apertured

partition across the same, a friction clutch, a motor, and a shaft extending from the clutch at one side of the partition, said shaft extending through the aperture of the partition, a torque release forming part of the transmission from said



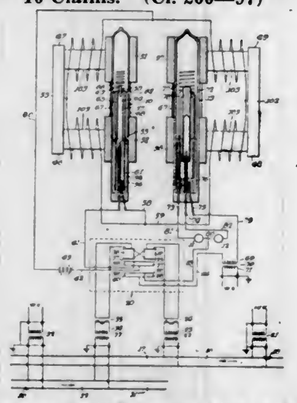
shaft to the member to be driven at the other side of the partition, and means mounted in the aperture around the shaft, preventing passage of oil from the clutch side of the casing to the torque release side thereof.

2,073,968
HIGHWAY MARKER
Carl C. Krebs, Columbus, Ohio
Application March 3, 1936, Serial No. 67,905
8 Claims. (Cl. 40—125)



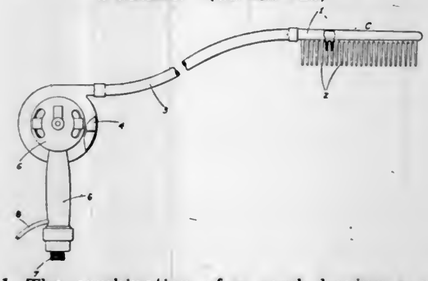
3. A depressible traffic indicator comprising a base formed with a central bore open at its upper end, a flexible diaphragm positioned over the open upper end of said base, a ring clamping said diaphragm in place on said base, the inside diameter of said ring being slightly smaller than the diameter of the bore in said base, an indicator button positioned on the upper side of said diaphragm, a plate secured to the under side of said diaphragm, the outside diameter of said plate being greater than the inside diameter of said ring and a conical coil spring yieldably holding said plate in its uppermost position.

2,073,969
FLASHER
Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application November 15, 1932, Serial No. 642,740
10 Claims. (Cl. 200—97)



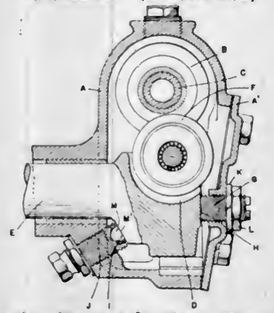
1. A mercury switch comprising a glass envelope, a quantity of mercury therein, a displacer floating on the mercury, electrodes projecting into the envelope adapted to be bridged by the mercury when the displacer is in its depressed position, said displacer comprising a sleeve adapted to telescope over one of the electrodes and being relatively thick above the mercury level and relatively thin below said level.

2,073,970
AIR COMB
Humphrey J. Lynch, Oakland, Calif.
Application July 6, 1936, Serial No. 88,947
2 Claims. (Cl. 132—13)



1. The combination of a comb having a recessed back, teeth secured in spaced relation to said back, each of said teeth being hollow and provided at its end with an orifice in communication with the recess of said back, a flexible hollow conduit secured at one end thereof to said back, the interior of said conduit being in communication with the recess of said back, a hollow casing having a discharge port therein connected with the other end of said conduit with the interiors of said conduit and casing in communication, a fluid-impelling rotor rotatably mounted in said casing, and means for selectively rotating said rotor in different directions to institute flows of fluid in different directions through said conduit.

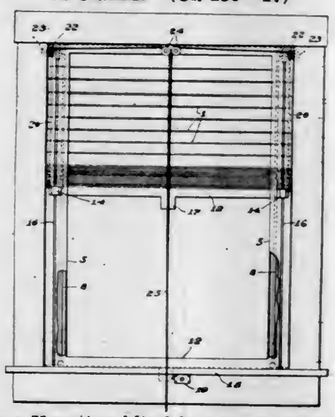
2,073,971
ADJUSTMENT MEANS FOR STEERING GEARS
Henry Marles, Detroit, Mich., assignor to Gemmer Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 25, 1936, Serial No. 81,752
4 Claims. (Cl. 74—401)



1. In a steering mechanism, the combination with a housing, of a worm and worm gear journaled in fixed bearings in said housing and of a construction in which the teeth are moved towards or from each other by an axial adjustment of one of said members, and means for effecting such axial adjustment comprising set

screws engaging segmental bearings on opposite sides of the adjustable member, said set screws also engaging threaded bearings in said housing, and means for locking said set screws in different positions of adjustment.

2,073,972
VENETIAN BLIND
Bernard A. McGuinness, Winchester, Mass.
Application December 20, 1935, Serial No. 55,354
11 Claims. (Cl. 156—17)

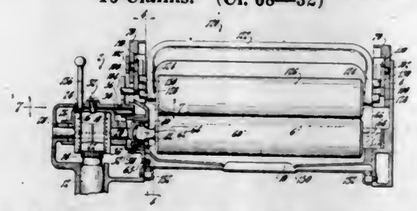


1. In a Venetian blind having a series of slats, the combination therewith of casings within which the ends of the slats are contained; mechanism within said casings connecting with said ends of the slats and on which the slats hang suspended when the blind is closed, and means connecting with said mechanism for retaining the slats in said casings when the blind is closed.

2,073,973
TREATMENT OF HYDROCARBON OILS
Anthony M. Muckenfuss, Melrose, Fla., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application November 6, 1931, Serial No. 573,514, now Patent No. 2,021,567, dated November 19, 1935. Divided and this application October 16, 1935, Serial No. 45,319
5 Claims. (Cl. 196—35)

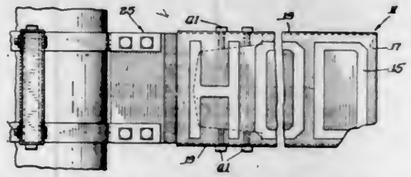
1. Process comprising treating a hyrocarbon oil containing unsaturated hydrocarbons with hydrogen in the presence of an alkali metal hydrocarbide.

2,073,974
WRINGER
Julian L. Perkins, West Springfield, Mass.
Application January 8, 1936, Serial No. 58,075
16 Claims. (Cl. 68—32)



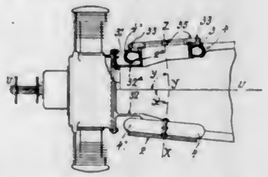
1. A wringer comprising in combination, a main frame having a roll therein, receivers resiliently mounted for movements in opposite directions in said main frame, a separate frame unit having a roll therein and parts receivable in said receivers, locks movably mounted on said receivers engageable and movable by said separate frame unit to releasably lock said frame unit to the receivers with said rolls in operative relation, and driving mechanism for one of said rolls having a part movable by said separate frame adapted to connect and disconnect said driving mechanism.

2,073,975
SIGN
Herbert G. Hammar, Chicago, Ill., assignor to Federal Electric Company, Inc., Chicago, Ill., a corporation of New York
Application July 25, 1936, Serial No. 92,513
9 Claims. (Cl. 40—145)



2. A sign comprising a sleeve-like sign element, a bracket having portions extending within and snugly embraced by said sleeve-like element, means to secure the sleeve-like element to said bracket, said bracket having portions extending outwardly of said sleeve-like element at one end thereof and affording means for securing the sign element in mounted position on a support, said bracket including a metallic casting including spaced portions engaging opposite walls of said sleeve-like element, readily detachable means for securing said opposite walls to said spaced bracket portions, said bracket including a lug extending outwardly of said sleeve-like element, strap means adapted to encircle and to clamp upon an upright support, said strap means having a projecting portion, and means to secure said lug on said projecting portion.

2,073,976
DEVICE FOR THE MOUNTING OF ENGINES
Eugene Prosper Renaux, Paris, and Lucien Jules Renaux, Livry-Gargan, France
Application June 22, 1933, Serial No. 677,158
In France July 5, 1932
7 Claims. (Cl. 248—5)

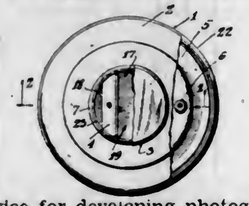


1. In a device for the mounting of an engine upon its support, at least one pair of cheeks secured on the engine and forming a sort of fork, an inner rim and an outer rim disposed concentrically to each other and secured respectively on each of said cheeks and on said support, and a pneumatic ring interposed between each concentric group of an inner rim and an outer rim.

2,073,977
MANUFACTURE OF COPPER SULPHATE
Marcel Serciron, Dourdan, France
No Drawing. Application April 4, 1935, Serial No. 14,707. In Belgium April 7, 1934
13 Claims. (Cl. 23—125)

1. A process for manufacturing copper sulphate comprising attacking a copper bearing material, in the presence of an oxygen containing gas by means of a liquor containing in solution chlorine ions and a small quantity of NH_4 ions with a concentration not exceeding 20 grams per liter of the liquor thereby causing copper of the copper bearing material to be dissolved, and directly converting the dissolved copper into copper sulphate by means of sulphuric acid.

2,073,978
DEVICE FOR DEVELOPING PHOTOGRAPHIC FILMS
Hinsdale Smith, Jr., New York, N. Y.
Application January 28, 1936, Serial No. 61,127
17 Claims. (Cl. 95—90.5)



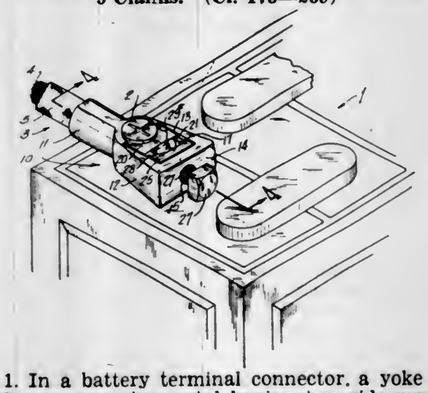
1. A device for developing photographic films, comprising in combination a container having a removable cover therefor with an opening therein, a closure for said opening, an open core reel adapted to fit within said container and removable therefrom, fastening means on said reel adapted to secure the end of a photographic film to the inside thereof, a light trap attached to said container cover and subjacent thereto adapted to render said container light impervious.

2,073,979
SLEEPING BAG
Ernst Harald Wallin, Arvika, Sweden, assignor to Cajs-Marie Wallin, Arvika, Sweden
Application November 14, 1933, Serial No. 697,977
In Sweden November 17, 1932
1 Claim. (Cl. 5—343)



A sectional sleeping bag comprising at least two layers of fabric, one layer of fabric forming an outer bag section which is open at one end only, and the other layer of fabric forming another similar although considerably smaller bag section, which is spaced from both the bottom and the sides of the outer bag section, in such a manner that an interspace is provided both below and above the inner bag section when the latter is removably arranged within the outer bag section, the interspace in its longitudinal direction extending from the bottom of the outer bag section and opening at the separated edges constituting the open end of the sleeping bag per se, and the said interspace when viewed in the transverse section extending completely around the inner bag section, one of the bag sections being provided adjacent its side and end edges with a series of apertures, keeper means fixed relative to the other of the bag sections in the vicinity of the apertures when the bag sections are arranged one within the other, and flexible tie means extending about the bag per se and across the apertures and detachably engaging the keeper means for removably maintaining the bag sections one within the other.

2,073,980
BATTERY TERMINAL CLAMP
Dean E. Williams and John O. Whiteside, Oklahoma City, Okla., assignors to General Battery Supply Company, Oklahoma City, Okla., a corporation of Oklahoma
Application May 31, 1935, Serial No. 24,258
5 Claims. (Cl. 173—259)

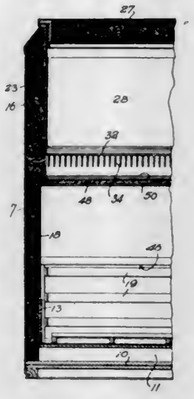


1. In a battery terminal connector, a yoke of soft non-corrosive metal having two side members and adapted at one closed end for connection to an electrical conductor, said yoke having a transverse opening therethrough for receiving a battery terminal, a screw of a harder material, a bridge at the other end of the yoke having a bore for freely receiving said screw, a rectangular pocket within the opening adjacent the inner surface of said bridge, oppositely disposed longitudinally extending guide grooves leading from said pocket and extending toward the terminal receiving end of the opening at both edges of both of said side members, a nut of a hard metal threaded upon said screw, and a follower of soft non-corrosive metal slidable within the opening toward and away from said terminal and actuated by said screw, said follower comprised of: a rectangular block having a plane surface and an opposite arcuately grooved terminal engaging surface, the side edges of said block each having projecting flanges for slidable engagement within said guide grooves, two of said flanges being sufficiently short in length to permit their passage through the pocket and into registration with two of the guide grooves, said follower being held against inadvertent removal from the yoke by the presence of the nut within the pocket.

2,073,981
REFRIGERATOR CONTAINER FOR CONTAINER CARS
Graham C. Woodruff, Bronxville, N. Y., assignor to The L. C. L. Corporation, a corporation of Delaware
Application March 1, 1933, Serial No. 659,232
4 Claims. (Cl. 220—1.5)

1. An insulated goods container for container cars comprising a body having bottom, side and

end walls, a ceiling, and a roof in spaced relation to the ceiling, the said bottom wall being formed of an outer wall surface and an inner wall surface, said outer wall surface comprising a plurality of courses of wood and said inner wall surface comprising a single course of plywood sheathing arranged in spaced relation to said outer wall surface, floor beams arranged at spaced intervals apart and extending vertically



between and in contact with said outer and inner wall surfaces and supporting the inner wall surface from the outer wall surface and also dividing the intervening space into compartments, and insulating material filling the said compartments in the space between the inner and outer wall surfaces of the bottom wall, and insulating material filling the space between the ceiling and the roof.

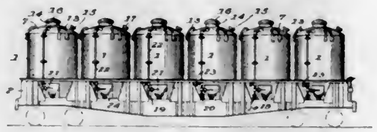
2,073,982

CONTAINER AND CONTAINER CAR

Graham C. Woodruff, Bronxville, N. Y., assignor to The L. C. L. Corporation, a corporation of Delaware

Original application February 9, 1934, Serial No. 710,577, now Patent No. 2,020,628 dated November 12, 1935. Divided and this application August 13, 1934, Serial No. 739,662

3 Claims. (Cl. 105—366)



1. A container car for transporting cylindrical containers arranged vertically side by side in a longitudinal row thereon, said car having a flat floor for supporting the containers, side walls extending above the level of the floor and provided with transversely alined access openings for exposing the lower portions of containers supported by the floor, and projections on said side walls extending inwardly therefrom and adapted for engagement with the containers for holding said containers from shifting movements longitudinally or transversely of the car and from rotation out of a prescribed position with relation to each other and to said openings wherein access may be had to discharge means in said containers through said openings.

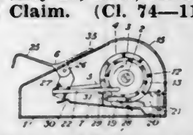
2,073,983

REGISTERING SYSTEM

Emil N. Anderson, Oak Park, Ill., assignor to American Telephone and Telegraph Company, a corporation of New York

Application May 17, 1932, Serial No. 611,908

1 Claim. (Cl. 74—112)



In combination, a driving means, a first rotatable element adapted to be rotated by said driving means, a second rotatable element mounted on said first rotatable eelment, tension means tending to cause said second rotatable element to rotate with said first rotatable element, a plurality of escapement teeth fastened to and protruding from the face of said first rotatable element near the periphery thereof, the rear edge of said teeth being straight and the forward edge thereof sloping toward the face of said first rotatable element, a plurality of escapement teeth fastened to and protruding from the side edge of said second rotatable element, each of said last mentioned teeth being positioned slightly to the rear of a corresponding one of said first mentioned teeth, and an escapement spring adapted normally to engage successively the teeth associated with said second rotatable element and prevent the rotation of said second rotatable element as said first rotatable element rotates through predetermined arcs, the first mentioned teeth being adapted, at the end of each rotation of said first rotatable element through said predetermined arcs, to raise said escapement spring out of its successive engagement with the escapement teeth associated with said second rotatable element to permit the rotation of said second rotatable element, and said tension means being operative, when said escapement spring is disengaged, to cause said second rotatable element to rotate in the direction of and overtake said first rotatable element.

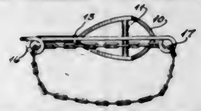
2,073,984

TIE HOLDER CONSTRUCTION

Frederick A. Bullock, Attleboro, Mass., assignor to Dolan & Bullock, Providence, R. I., a partnership consisting of Arthur S. Dolan, Frederick A. Bullock, and William G. Bennett

Application November 15, 1934, Serial No. 753,155

22 Claims. (Cl. 24—49)



2. In combination, a clamp having spaced members resiliently urged towards each other to releasably engage a garment part and having spaced eyes, and a flexible member slidably extending through said eyes.

2,073,985

TWO CYCLE ENGINE

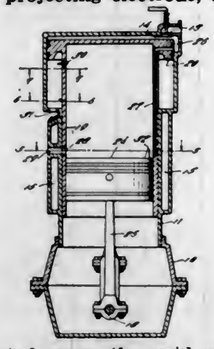
Leo G. Collins, Lancaster, N. H.

Application December 16, 1932, Serial No. 647,649

1 Claim. (Cl. 123—50)

In an internal combustion engine of the character described comprising a stationary outer cylinder, a piston operative in the said cylinder, said piston being provided with a depending

cylinder, a guide for the depending cylinder, said guide having a water jacket being adapted to support the said stationary cylinder, a spark plug projecting into the depending cylinder immediately under the piston thereon and having an outwardly projecting electrode, and a spring



contact mounted upon the said water jacket, said outer cylinder having an opening in the lower portion thereof through which air can pass and into which the upper portion of the spring projects into the stationary cylinder in the path of the electrode of the said spark plug.

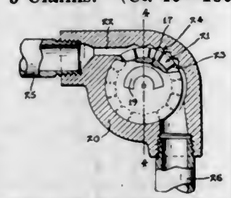
2,073,986

ADVERTISING DISPLAY DEVICE

Frank Dannenberg, John L. Frank, and Archibald Groth, Rochester, N. Y.

Application March 13, 1936, Serial No. 68,762

5 Claims. (Cl. 40—130)



1. In a device of the character described for use with a fluid conduit, a circuit controller including a casing for connection in said conduit, said casing having pipe receiving bores and a fluid passage between said bores, a rotatable member in said casing having a channeled partitioned peripheral portion extending into said passage, said member having a contact segment, and a contact member supported in connection with said casing for engaging said segment during rotation of said rotatable member.

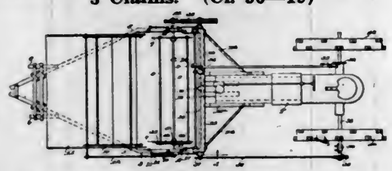
2,073,987

TRACTOR ATTACHMENT FOR HARVESTERS

Jacob D. Gay, Jr., Pine Grove, Ky.

Application July 18, 1936, Serial No. 91,384

3 Claims. (Cl. 56—19)



1. The combination with a seed harvester having a rotatable drum shaft, a drum carried thereby, said drum being adapted to be provided with the usual seed stripping devices, of a tractor disposed in the rear of said harvester, means for connecting said tractor with said harvester for imparting a forward movement of the harvester, a drive shaft for imparting a rotary movement to said drum shaft, means for raising and lowering the rear end of the harvester comprising a pair of spaced apart radius arms, one end of said arms being pivoted on the axis of said drum shaft, the opposite end of the arms being pivoted on the axis of said drive shaft, and gearing between said drive shaft and said drum shaft.

2,073,988

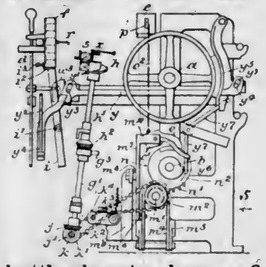
WEFT-REPLENISHING LOOM FOR WEAVING

Walter Gledhill, Huddersfield, England

Application March 6, 1936, Serial No. 67,556

In Great Britain August 21, 1934

6 Claims. (Cl. 139—238)



1. In a shuttle changing loom, a fixed shuttle box at one end therof, a vertical screw member disposed beneath the said box with its upper end forming a false bottom thereto, said screw member being adapted to support a full shuttle on its thread below the upper end of the thread, and means operable upon weft exhaustion in the running shuttle for rotating said screw member in a direction to raise a full shuttle into the shuttle box.

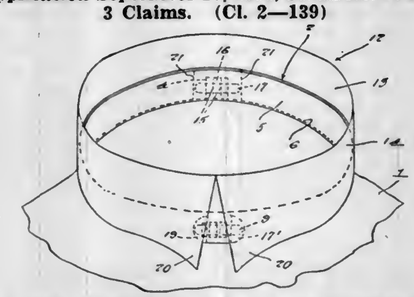
2,073,989

COLLAR ATTACHING MEANS

Rae N. Heldenbrand, San Diego, Calif.

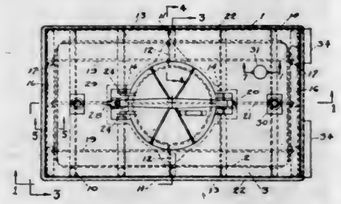
Application September 17, 1936, Serial No. 101,303

3 Claims. (Cl. 2—139)



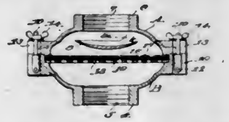
1. The combination with a shirt comprising a neck band having an opening in one end portion thereof and a flexible loop on its other end portion adapted to be inserted through the opening, of a securing bar adapted to be inserted through the loop for securing the ends of the neck band together, and a collar, said collar comprising a pocket on one end for the reception of one end of the securing bar, said collar having an opening in said one end portion thereof adjacent the pocket for the passage of the other end portion of the securing bar, and a pocket on the other end of the collar for the reception of said other end portion of the securing bar.

2,073,990
CONTAINER
Felix Koch, Bellevue, Pa., assignor to Pressed Steel Car Company, McKees Rocks, Pa., a corporation of New Jersey
Application July 11, 1933, Serial No. 679,870
21 Claims. (Cl. 220—1.5)



10. In a container of the class described, an inner receptacle having side and end walls, with top and bottom walls connecting the first-named walls, a substantially rigid framework enclosing the receptacle, insulating material between the framework and receptacle, and sheathing secured to the outer face of the framework to complete the container.

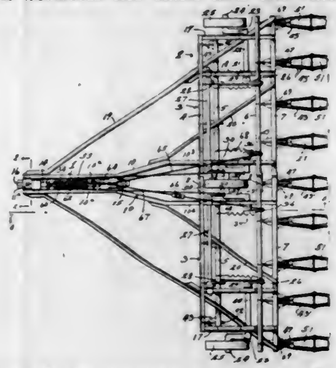
2,073,991
FILTER
Edward J. Koser, Mason City, Iowa
Application June 9, 1936, Serial No. 84,372
1 Claim. (Cl. 210—84)



A filter comprising a pair of registering sections, one of said sections having an inlet and the other section having an outlet, filtering members including a cloth filtering disc clamped between the sections, means for clamping said sections and filtering members together, a baffle having diametrically disposed arms integrally connecting the baffle to one of the sections and located between the inlet and the filtering members, the face of the baffle opposite the inlet being concave, the opposite face adjacent the filtering members being convex, the space between the baffle and the filtering members being free of obstructions, the walls of the baffle tapering from the center to the periphery thereof so that said periphery will present a thin edge over which liquid will be discharged.

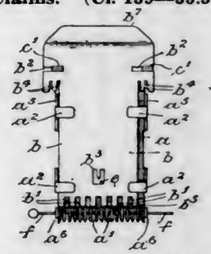
2,073,992
AGRICULTURAL IMPLEMENT
Guy O. Lower, Sublette, Kans.
Application April 28, 1936, Serial No. 76,812
12 Claims. (Cl. 97—55)

1. An earth working agricultural implement, comprising a body structure divided longitudinally to form two portions, means pivotally connecting said portions for oscillation on an axis extending longitudinally of the machine, earth working units carried by said portions, a central supporting wheel for the body, an outer supporting wheel at each side of the body, draft means for the body, means whereby the body portions may be raised and lowered relative to the supporting wheels, and means whereby the two portions of the body may be independently shifted in a vertical plane about the pivotal connection between the same and the raising and



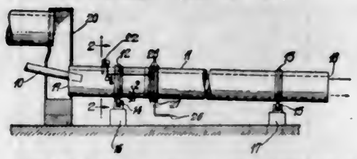
lowering of the portions simultaneously may be effected.

2,073,993
DARNING APPLIANCE
Reginald George Macpherson, Harrogate, England
Application July 17, 1936, Serial No. 91,221
In Great Britain July 23, 1935
2 Claims. (Cl. 139—33.5)



1. A darning appliance comprising in combination two plates such as *a* and *b* each having its lower edge serrated and the plate *b* having its serrations double the pitch or spacing of those of the plate *a*, and means whereby the plate *b* can be moved laterally in relation to the plate *a* through a distance equal to one pitch or spacing of the serrations of the said plate *a* and depressed against the action of a spring to press down alternate ones of warp threads passed through the recesses of the plate *a*, substantially as set forth.

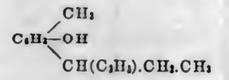
2,073,994
METALLURGICAL METHOD
Augustin Leon Jean Queneau, Bernardsville, N. J.
Application October 9, 1935, Serial No. 44,274
4 Claims. (Cl. 75—87)



1. A method which comprises passing a mixture of fuel and zinc containing material countercurrent through a horizontally passing blast of oxidizing gases while agitating said fuel and material, and injecting additional air at intervals about said blast near the charging end of said blast.

2,073,995
ALKYL CRESOLS
George W. Raiziss and Le Roy W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application June 22, 1934, Serial No. 731,898
2 Claims. (Cl. 260—154)

1. A cresol derivative having the formula:



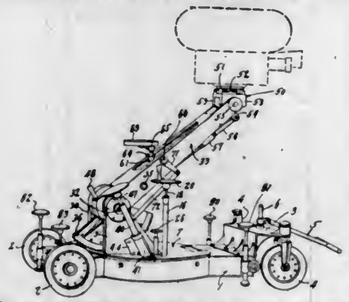
2,073,996
BRANCH-CHAIN ALKYL DERIVATIVES OF β-NAPHTHOL
George W. Raiziss and Le Roy W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application January 28, 1935, Serial No. 3,808
5 Claims. (Cl. 260—154)

1. An alkyl derivative of β-naphthol, wherein the alkyl group is branched and contains from 5 to 6 carbon atoms, said derivative having high germicidal effects combined with low toxicity.

2,073,997
ALKYL α-NAPHTHOLS
George W. Raiziss and Le Roy W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application January 28, 1935, Serial No. 3,809
5 Claims. (Cl. 260—154)

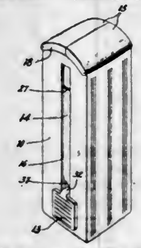
1. An alkyl derivative of an α-naphthol, wherein the alkyl group contains from 4 to 6 carbon atoms.

2,073,998
CAMERA CARRIAGE
Victor R. Raby, Los Angeles, Calif., assignor to Studio Equipment Co., a partnership composed of Victor R. Raby and William J. Mulligan, Los Angeles, Calif.
Application April 6, 1936, Serial No. 73,048
4 Claims. (Cl. 248—124)



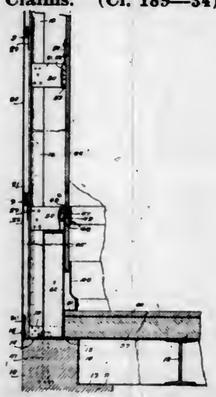
1. In a camera carriage, the combination of: a movable bed frame, a turntable carried by the bed frame, a boom pivotally carried on said turntable, means carried by the turntable for selectively raising and lowering said boom, spring means movable with said turntable and operably connected to said boom tending to raise the outer end thereof, a camera support pivotally carried by the outer end of the boom, and means connecting said camera support and turntable adapted to maintain said camera support substantially horizontal during movement of the boom.

2,073,999
HOLDER FOR STICK MATERIAL
George F. Richter, Bogota, N. J., assignor to Charles N. Coryell, Mamaroneck, N. Y.
Application June 8, 1934, Serial No. 729,571
8 Claims. (Cl. 206—56)



1. In a container, a body having projecting side walls, each side wall having a projecting hinge portion, a cover having a top wall, side walls and an end wall, said second side walls having holes in which said hinge portions are positioned, said end wall having notches in which said projecting side walls are positioned.

2,074,000
WALL CONSTRUCTION FOR METALLIC BUILDINGS
Frank Streich, Chicago, Ill., assignor to Steel Housing Corporation, Chicago, Ill., a corporation of Illinois
Application September 19, 1935, Serial No. 41,220
7 Claims. (Cl. 189—34)

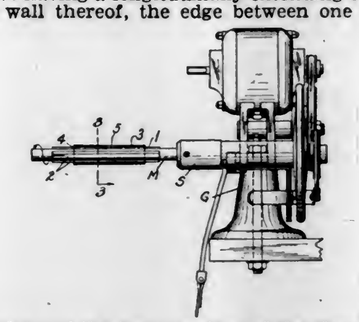


1. In a wall construction for metallic buildings, the combination of a T-shaped metallic stud, sheathing composed of joined sheets supported on said stud, T-shaped inner wall supporting braces with their webs secured to the webs of said studs and projecting inward therefrom, and wall boards having brackets secured thereto and engaged with the heads of said T-shaped braces.

2,074,001
MEANS FOR TRUING MANDRELS
Joseph Sunnen, Kirkwood, Mo.
Application July 28, 1934, Serial No. 737,365
2 Claims. (Cl. 125—11)

1. In grinding machines having a grinding mandrel composed of a longitudinally extending abrading element and longitudinally extending

guide elements, the combination of a truing sleeve having a longitudinally extending slot thru the wall thereof, the edge between one wall of



the slot and the inner surface of the sleeve forming a dressing edge for the abrading element when the abrading element is rotated within the sleeve in contact with the walls thereof.

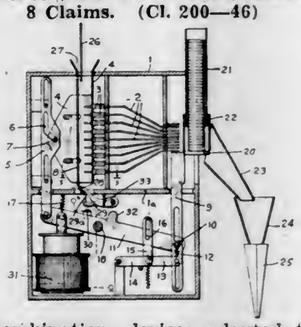
2,074,002

ELECTRIC CIRCUIT CONTROLLING MEANS

Gustav Tauschek, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Original application October 16, 1930, Serial No. 489,145, Patent No. 1,976,585, October 9, 1934. Divided and this application November 9, 1933, Serial No. 697,268. In Austria October 19, 1929

8 Claims. (Cl. 200—46)



1. In combination, devices adapted to coact with an object, electromagnetically operated means for shifting said devices and object relatively, a member displaced by the object, contacts for controlling said electromagnetically operated means, a contact controlling member having a connection with the first named member arranged to permit independent operation of said members but to cause a concurrent operation of both members to change a normal position of the contacts to effect an operation of the electromagnetically operated means when the first-named member is displaced by the object, and means subsequently effective to cause an operation of the contact controlling member to restore the contacts to their normal position irrespective of the displacement of the first-named member by the object.

2,074,003

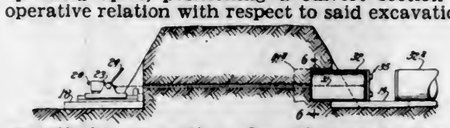
METHOD OF CULVERTING EMBANKMENTS

Walter B. Templeton, Hinsdale, and Frank J. Jakoubek, Elmwood Park, Ill., assignors to Templeton, Kenly & Co. Limited, Chicago, Ill., a corporation of Illinois

Application January 21, 1935, Serial No. 2,628

6 Claims. (Cl. 61—16)

2. In a method of culverting an embankment, the steps consisting of forming a relatively small opening through the embankment, inserting at least one inextensible member therethrough, providing a power device at one side of the embankment and attaching one end of said inextensible member thereto, initially excavating the other side of the embankment in line with said opening to a diameter to receive the culvert section to be operated upon, positioning a culvert section in operative relation with respect to said excavation,



operatively connecting the other end of said member to one end of said culvert section, operating said device to exert a pulling force upon said member and upon said culvert section, excavating the embankment from within and in advance of the inner end of the culvert section to a diameter to receive said culvert section, and again operating said power device to move said culvert section further into said excavation.

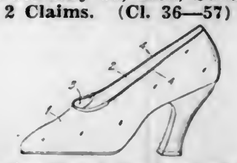
2,074,004

PUMP

Charles Tweedie, Jefferson City, Mo.

Application January 30, 1935, Serial No. 4,021

2 Claims. (Cl. 36—57)



1. A pump having at the front of the top edge thereof a short protective strip, said protective strip being a normally flat piece with a concave edge secured by the top stitching of the pump and being folded over said top edge and secured flatwise to the lining, the stitched edge of said strip being of substantially the same length and curvature as the curve at the front end of the foot opening.

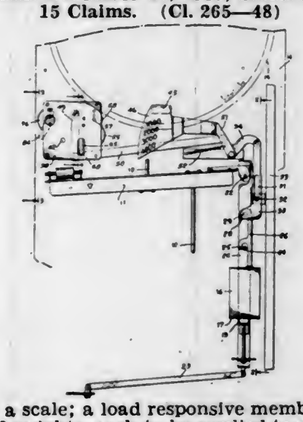
2,074,005

DROP WEIGHT SCALE

Edward J. Von Pein and Paul J. Schlessiger, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 12, 1935, Serial No. 54,002

15 Claims. (Cl. 265—48)



1. In a scale; a load responsive member, a plurality of weights, each to be applied to said member to offset a predetermined load, a weight applying mechanism, a device operable in steps, and upon each step causing said mechanism to apply one weight to said member, reciprocating means for initiating operation of said device, and means separate from and acting independently of the reciprocating means for restricting operation of said device to a single step upon each reciprocation of the initiating means.

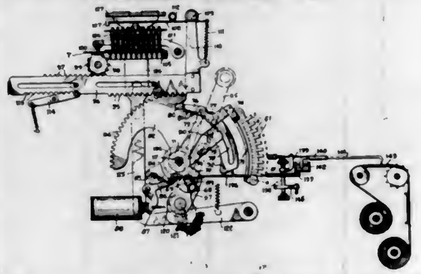
2,074,006

SCALE CONTROLLED RECORDER

Edward J. Von Pein, Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 30, 1933, Serial No. 704,783

5 Claims. (Cl. 235—61)



3. In combination; a driven element, an actuator therefor, means for coupling the element to the actuator including a device operable to render the coupling means effective for drivingly connecting the element and actuator, differential means for controlling operation of said device to render the coupling means effective during the movement of the actuator, and coacting means on the device and the driven element effective, when the device is operated to render the coupling means effective, for setting the driven element in motion in the same direction as the actuator motion prior to the coupling means taking effect.

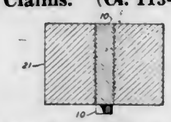
2,074,007

METHOD OF MAKING ARTICLES OF COBALT-CHROMIUM-TUNGSTEN ALLOYS

William A. Wissler, Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application August 3, 1934, Serial No. 738,213

3 Claims. (Cl. 113—112)



1. Method of making articles composed at least in part of acid-resistant, unmachinable cobalt-chromium-tungsten type alloy and provided in said part with one or more shaped holes, which comprises depositing said alloy by welding methods upon an acid-soluble metal core preformed to the desired shape of the hole, and thereafter dissolving said metal core.

2,074,008

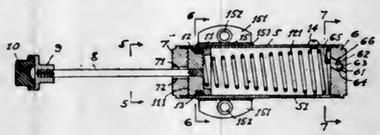
CHECK FOR DOORS AND THE LIKE

Henry I. Wolf, Detroit, Mich.

Application October 17, 1936, Serial No. 106,164

2 Claims. (Cl. 16—84)

1. A device of the character described comprising a cylinder having a closure at each end, a piston reciprocable in said cylinder having a piston rod slidably mounted in one of said closures and projecting therebeyond, an impact-receiving member on the outer end of said rod, a spring within said cylinder adapted to normally urge said piston and rod in an outward direction, an opening in the other of said closures, a



valve positioned in said opening and adapted to permit ingress of air to said cylinder and prevent egress of air therefrom, said opening being inclined at an angle to the axis of said cylinder, whereby said valve is closed by gravity, and a longitudinal groove in the bore of said cylinder adapted to allow air to pass said piston during the inner portion of its stroke.

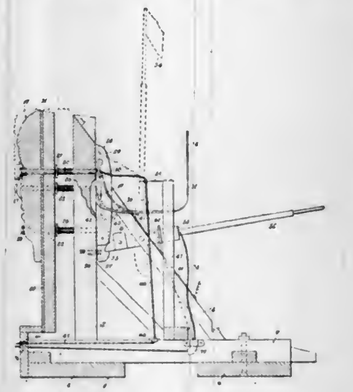
2,074,009

AMUSEMENT DEVICE

John Wunner, South Plainfield, N. J.

Application May 28, 1936, Serial No. 82,277

4 Claims. (Cl. 273—102)



1. An amusement device comprising a target figure, a pair of movable targets associated with said figure and adapted to be moved under a force of impact delivered thereto, direct hit indicating means comprising a pair of indicator-carrying arms pivotally supported at the rear of said figure, a pair of arm-actuating fingers pivotally supported independently of each other and of said arms at the rear of said figure and adapted respectively to be moved in response to a force of impact delivered to said targets and to in turn swing said indicator-carrying arms respectively from their normal positions of rest at the rear of said figure toward the front thereof, a third movable target associated with said figure and adapted to be moved under a force of impact delivered thereto and an elevating arm pivotally supported independently of said indicator-carrying arms and said fingers at the rear of said figure and adapted to be moved in response to a force of impact delivered to said third target and to in turn simultaneously swing said indicator-carrying arms from their normal positions of rest at the rear of said figure toward the front thereof.

2,074,010

BITUMINOUS PAVEMENTS OF HIGH STRUCTURAL STRENGTH AND METHOD OF MAKING SAME

Charles M. Baskin, Montreal, Quebec, Canada, assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 27, 1933, Serial No. 677,851

3 Claims. (Cl. 106—31)

1. The method of producing a paving mixture, which comprises mixing at an elevated temperature an asphalt of low penetration at 77° F. and low furol viscosity at 300° F. with a mineral dust that passes through a 200 mesh sieve and a mineral aggregate having maximum particles of less than ¼ inch, and adding to the resulting mixture and incorporating by mixing at an elevated temperature a mineral aggregate of 1½ to 2½ inches maximum size.

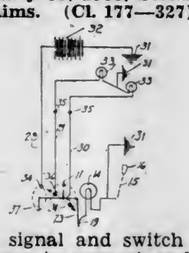
2,074,011

AUTOMOBILE DIRECTION SWITCH AND SIGNAL

Roy C. Blackman, Cleveland, Ohio

Application January 30, 1933, Serial No. 654,273

4 Claims. (Cl. 177—327)



1. A direction signal and switch for vehicles embodying a frame to support and anchor the device, a signal casing pivotally supported by said frame, the forward and rearward faces thereof provided with arrow shaped indications normally held in an upright position by slightly weighting the signal casing at a position adjacent to the tail of the arrow indications, so that they are normally held in a vertical position by the action of gravity, an eccentric mass pivoted within said signal having a hand lever to actuate the mass extending outside of the casing, stops on opposite sides of the arrows projecting outwardly from the signal casing adapted to engage a part of the frame, to limit the rotation of the casing to 90 degrees in either clockwise or counter-clockwise direction, adjustable stops projecting within the signal casing in line with the path of travel of the mass and cooperating with the outward stops to limit rotation of the mass to slightly over 180 degrees in either a counter-clockwise or a clockwise direction whereby the mass is held by gravity against the stops to hold the signal casing in operative signaling position, whereby at the time of making the indicated turn, inertia will exert a force opposite to the thrust of the counterweight against the stop, thus releasing the aforesaid signal to allow gravity to return the signal to a normal position.

2,074,012

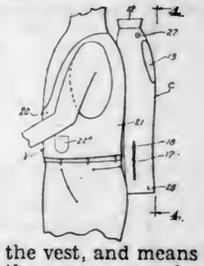
GARMENT

John W. Bour, Los Angeles, Calif.

Application April 16, 1935, Serial No. 16,596

9 Claims. (Cl. 2—94)

1. A garment of the character described including a coat, a vest to be worn within the coat comprising front portions and a back portion, means connecting the inner side of the coat to the back portion of the vest whereby the coat may be reversed and carried on the wearer's back



by means of the vest, and means on the coat for maintaining the same reversed and folded upon itself when thus carried on the wearer's back.

2,074,013

PROCESS OF TREATING ORES AND SIMILAR MATERIALS

Wilson Bradley, deceased, late of Deerwood, Minn., by Agnes Cornelison Bradley, executrix, Duluth, Minn., assignor to Bradley Process Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 1, 1936, Serial No. 82,936

13 Claims. (Cl. 75—1)

1. The method of treating an ore-like material containing iron and manganese values which comprises subjecting the material to the action of a heated reducing gas and water vapor at a temperature suitable for reducing action and not under approximately 500° C. and not over about 850° C. until a major part of the manganese value is converted into manganous oxide and a minor part is retained in unreduced form whereby a major part of the iron value is converted into a magnetic iron oxide which is relatively insoluble in an ammonium salt solution under conditions of free ammonia content which readily permits dissolution of the manganous oxide.

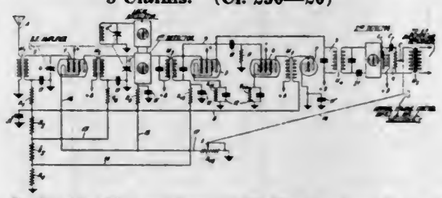
2,074,014

AUTOMATIC VOLUME CONTROL CIRCUITS

Kenneth A. Chittick, Haddon Heights, and Wendell L. Carlson, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application November 14, 1932, Serial No. 642,544

5 Claims. (Cl. 250—20)



5. In a radio receiver including a signal amplifier and a detector, a signal coupling network between the amplifier and detector, an automatic volume control circuit for the amplifier comprising a rectifier whose rectified output regulates the gain of the amplifier, a second signal coupling network between the amplifier and the rectifier, the selectivity of the first network being sufficiently greater than that of the second network to minimize overloading of the detector on the side of a strong received signal carrier.

2,074,015

PACKING MATERIAL FOR SEALING JOINTS

Leo J. Clapsadle, Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application May 31, 1933, Serial No. 673,771

5 Claims. (Cl. 106—7.6)

1. Packing material adapted for sealing associated parts against leakage when exposed to oxygen and the like under high pressure, the same comprising a structure of substantially oil-free leather impregnated with a mixture containing a relatively high melting point wax and a plasticizer therefor selected from the group consisting of chlorinated polynuclear compounds, tricresyl esters, and triphenyl esters.

2,074,016

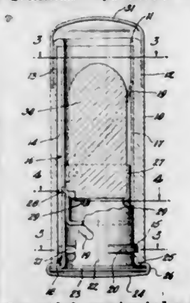
HOLDER FOR STICK MATERIAL

Charles N. Coryell, Mamaroneck, N. Y.

Application June 23, 1932, Serial No. 618,885

Renewed October 31, 1934

3 Claims. (Cl. 206—56)



1. A holder for stick material and the like comprising an outer cylindrical casing tube having thick walls, said tube having an upper, inwardly extending flange and having a lower circular end groove in its inner wall, said tube also having a straight longitudinal groove extending from said end flange to the lower end of said tube, the depth of said grooves being less than the thickness of the wall of said casing tube, said casing tube having a lower flaring mouth between said circular groove and the lower end of the tube, an inner operating tube disposed within said casing tube against said end flange, said inner tube having a helical slot and a lower cap member disposed against the lower edge of said casing tube, a carrier member within said inner tube and having a part fitting in said helical and longitudinal slots, said inner tube having spring members riding in said circular groove.

2,074,017

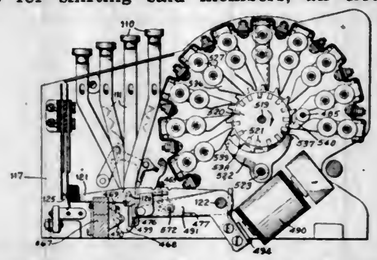
TEN-KEY ADDING MACHINE

Frederick L. Fuller, West Orange, N. J., and Samuel Brand, Binghamton, N. Y., assignors to International Business Machines Corp., New York, N. Y., a corporation of New York

Original application September 7, 1934, Serial No. 743,044. Divided and this application July 31, 1935, Serial No. 34,020

17 Claims. (Cl. 235—60)

1. In a machine of the class described, in combination, a series of digit wheels, a single master wheel for setting said digit wheels seriatim, an escapement mechanism for controlling the operative relationship between said master wheel and said series of digit wheels, a rotatable drum for controlling the differential movement of said master wheel and having a series of digit determining members, a movable stop normally cooperating with the member previously rendered operative, a series of ten keys, a series of magnets for shifting said members, an electrical



circuit for each of said magnets and controlled by the related key, an electro-magnet adapted to shift said stop to release said drum for rotation, means whereby said electro-magnet operates said escapement mechanism, and an electrical circuit for said electro-magnet including controlling contacts closed by the depression of any key to energize said electro-magnet.

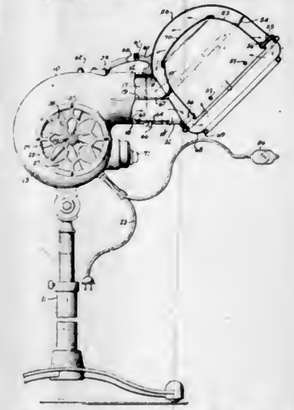
2,074,018

HAIR DRYING APPARATUS

Carl G. Gross, Mount Vernon, N. Y., assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware

Application March 3, 1933, Serial No. 659,445

3 Claims. (Cl. 34—26)



1. A drier for use in drying hair including in combination a hood to fit over a human head, a shell within said hood and spaced slightly therefrom, means for dividing the space between said shell and hood into two annular spaces end to end and means for expelling air through said lower space and withdrawing it through said upper space.

2,074,019

STUDIO COUCH

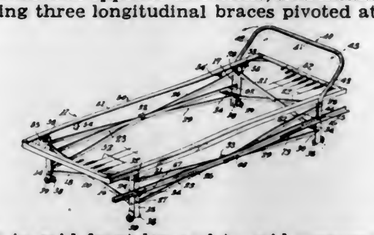
Abraham Krakauer, Brooklyn, N. Y., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York

Application August 22, 1934, Serial No. 740,921

10 Claims. (Cl. 5—21)

1. In a studio couch, a downwardly collapsible and upwardly extensible couch part, comprising

a pair of front legs at one end of said part, a similar pair of rear legs at the other end of said part, means connecting the legs of each pair for bracing said pair, means for pivotally connecting a front leg to the corresponding rear leg on the same side of the couch part for collapsing movement in opposite directions, said means comprising three longitudinal braces pivoted at their



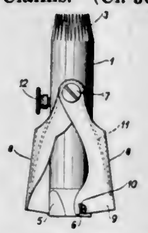
ends to said front leg and to said corresponding rear leg, two of said braces being inclined and crossing each other, a back rest and operating handle combined, secured to the legs of at least one pair, a mattress spring resting removably on the legs, stop means on the spring for limiting the movement of the upper ends of the legs in either direction and springs urging said legs toward their extended positions.

2,074,020

HAIR CUTTING MACHINE

Karl Marholt, Vienna, Austria

Application October 9, 1935, Serial No. 44,212
In Austria February 5, 1935
10 Claims. (Cl. 30—1)



1. In a hair cutting machine, two tubes provided with cutting teeth and slots at their ends, one tube being rotatably arranged within the other, driving means for rotating said tubes relatively to each other, said means comprising two systems of interlinked members, including a pair of levers adapted to be actuated by hand, one member of each system being fulcrumed on one tube and another member of each system being operatively connected to the other tube.

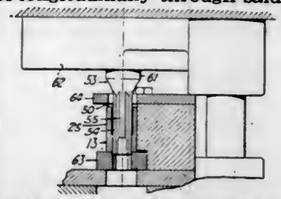
2,074,021

METHOD OF MAKING COUPLINGS

Malcolm E. Mitchell, Peter E. Mortensen, and Harold W. Fowler, Oakland, Calif.; said Mitchell assignor to said Mortensen and said Fowler

Original application April 16, 1934, Serial No. 720,760, now Patent No. 2,044,252, dated June 16, 1936. Divided and this application February 2, 1935, Serial No. 4,712
2 Claims. (Cl. 29—157)

1. In a method of forming a tubular coupling section having a portion of the bore thereof reduced adjacent an end thereof to define a shoulder spaced from said end, and forming a longitudinal guide groove in the wall of said bore from said shoulder to said end which comprises the following steps, supporting the wall of said reduced bore portion against distortion and forcing a tool longitudinally through said bore while



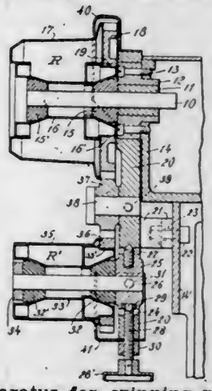
so supported for punching out said groove, by a portion of said tool and subsequently forming a locking recess in said shoulder by another portion of said tool.

2,074,022

APPARATUS FOR SPINNING RAYON AND THE LIKE

Oskar Oppenlaender, Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y., a corporation of Delaware

Application October 5, 1935, Serial No. 43,748
10 Claims. (Cl. 18—8)



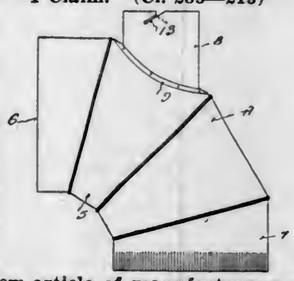
1. An apparatus for spinning rayon and the like comprising a stationary support, a driving shaft rotatably carried by said support, a carrier suspended around said shaft and adapted to be adjustably secured to said support, a pair of godets at least one of which is mounted on said carrier, and means operatively connecting said shaft to said godets.

2,074,023

STOVE AND FURNACE PIPE ELBOW

Hutchinson Patterson, Milwaukee, Wis.

Application June 15, 1935, Serial No. 26,817
1 Claim. (Cl. 285—213)



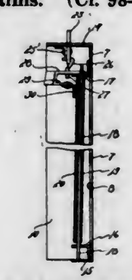
As a new article of manufacture, a clean-out elbow for stoves and furnace pipes comprising a pair of angularly related branches and a connecting body, said body having an enlarged opening in the upper face thereof between said branches, an elongated sheet metal sleeve having an annular flange on its lower end disposed about said opening and fitted snugly against said body, said sleeve rising above the body in a vertical plane, means rigidly securing the flange to the body, and a removable covering having a depending collar normally closing the upper end of the sleeve.

2,074,024

CIRCULATING VENT CONTROL

Herman A. Phail, River Rouge, Mich.

Application December 31, 1935, Serial No. 56,967
5 Claims. (Cl. 98—119)



1. A device of the class described, comprising: a grid plate having a plurality of openings formed therein; a pair of angle irons, one mounted on the rear face of said plate and extending parallel and adjacent to its top edge and the other mounted on the rear face of said plate and extending parallel and adjacent to its bottom edge; a plurality of shutters; and a knuckle formed on one edge of each of said shutters; and a pintle projecting beyond opposite ends thereof, the projected ends of said pintles extending through said angle irons for swingably mounting said shutters thereon, said plate being provided on its lower edge with a rearwardly projecting flange, the ends of said pintles after projecting through the lower of said angle irons resting upon the upper surface of said flange.

2,074,025

AUDIBLE-SIGNAL CLOCK

Wilson E. Porter, New Haven, Conn., assignor to The New Haven Clock Company, New Haven, Conn., a corporation

Application September 13, 1935, Serial No. 40,426
2 Claims. (Cl. 58—16)



1. An audible-signal clock including in combination: a main arbor; a first main wheel mounted concentrically with respect to the said main arbor and rotatable with respect thereto; a double-ended driving-spring having one end operatively connected to the said main arbor and its opposite end operatively connected to the said first main wheel; a second main wheel operatively connected to the said main arbor; a time-train driven by one of the said main wheels; an audible-signal mechanism driven by the other of said main wheels; and automatic-means serving to limit the driving movement of the said main arbor and including a rotary toothed member driven by the said driving-spring and a second rotary member having an interrupted series of gear-teeth adapted to be meshed with the said rotary toothed member and also having an arcuate slot therein, spring-means tending to mesh the two said members, and a stop projecting into the arcuate slot in the said second member and coacting with the wall thereof to limit the turning movement of the said second member.

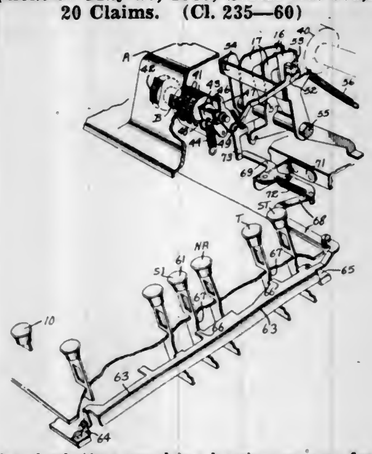
2. An audible-signal clock including in combination: a double-ended driving-spring; a first train operatively connected to one end of the said driving-spring and driven thereby; a second train operatively connected to the opposite end of the said driving-spring and driven thereby; automatic-means serving to limit the driving movement of one end of the said driving-spring to a predetermined amount; and manually-operable means serving to wind the said spring and including a winding-drum, a pinion mouned for bodily swinging movement about a center which is coaxial with respect to the said winding-drum into and out of mesh with one of the said trains, and spring-means normally holding the said pinion out of mesh with the said train with which it coacts.

2,074,026

CALCULATING MACHINE

Ernest Racz, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan

Application May 27, 1933, Serial No. 673,184
20 Claims. (Cl. 235—60)



1. A calculating machine having means for giving said machine cycles of operation, amount keys, a plurality of control keys for conditioning the machine to perform certain functions, a registering mechanism, a printing mechanism operable during a cycle of operation of the machine under the control of said amount keys or said registering mechanism, a counting mechanism for counting cycles of operation of said machine,

and actuating means for said counting mechanism having an element conditioned by depression of one of said control keys and actuated by an element of said printing mechanism when the latter is operated for causing said counting mechanism to count a cycle of operation of said machine.

2,074,027

METHOD AND APPARATUS OF WEAVING KNOTTED FABRICS

Walter A. Rice, Yonkers, and Frank G. Shinn, Bronxville, N. Y.

Application January 31, 1933, Serial No. 654,468
26 Claims. (Cl. 139—5)



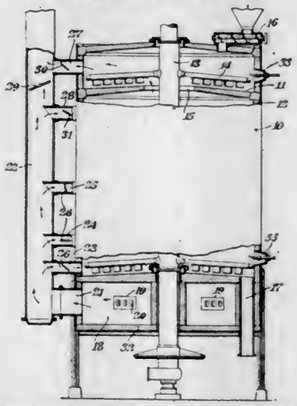
1. The method of forming pile fabric, which consists in dividing adjoining sets of warp threads into two distinct warp groups in different shed levels one above the other for shedding purposes, one set being in active knotting position and the other being in idle position, and in forming loops or knots about the sets of warp threads in the knotting position, by manipulation from the front of the fabric for successively tufting or knotting the warp threads in successive shifts into active position until all of the warp threads have loops or knots formed thereon, the separation space between the pairs of sets treated at the same time being utilized for laterally crossing the warp threads of each set, one set with respect to the other, from above preliminary to the knotting operations.

2,074,028

APPARATUS AND METHOD FOR DRYING AND INCINERATING SEWAGE AND WASTE MATERIAL

Frederick B. Schilling, Bayside, N. Y., assignor to Nichols Engineering & Research Corporation, a corporation of Delaware

Application April 6, 1935, Serial No. 14,988
8 Claims. (Cl. 110—12)



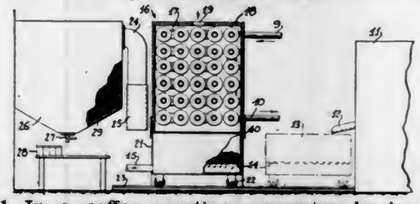
1. An incinerating furnace comprising a plurality of superposed hearths supported and embraced by a furnace wall, means for feeding the material to be treated into the top part of the furnace, means for rabbling the material from hearth to hearth down through the furnace, the hearths being provided with gas ports whereby gases evolved from the material may pass upwardly through the furnace to the top thereof, a chamber at the bottom of the furnace within the furnace walls for receiving trash or the like waste material of high heat value, conduit means for conducting hot gases from said chamber, and means for conveying the exit gases from the top of the furnace into said conduit means whereby such exit gases may be mixed with the hot gases in the conduit coming from the burning trash, and the obnoxious odors of the exit gases will thereby be substantially decreased or eliminated.

2,074,029

METHOD AND MEANS FOR PREPARING FOODS AND THE LIKE WHICH REQUIRE ROASTING

Joseph Schulman, Brooklyn, N. Y.

Application July 11, 1932, Serial No. 621,946
2 Claims. (Cl. 34—21)



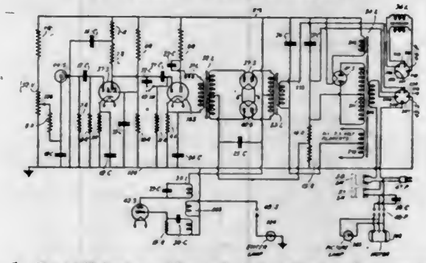
1. In a coffee roasting apparatus having a cooler box provided with an outlet; a refrigerator adapted to accommodate said cooler box therein, and means to pass air through the refrigerator and the box.

2,074,030

TALKING MOTION PICTURE APPARATUS

Allen Shoup, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 9, 1932, Serial No. 597,819
5 Claims. (Cl. 179—100.3)



1. In talking motion picture apparatus including an incandescent filament exciter lamp and a photocell adapted to mutually cooperate with a sound record of varying light transmission, an amplifier connected to said photocell, an oscillator connected to said exciter lamp, and common power-supply means connected to said amplifier and said oscillator.

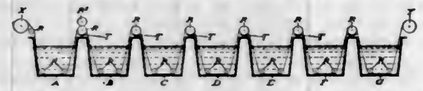
2,074,031

CONTINUOUS DYEING PROCESS

James H. Stradley, Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application May 11, 1935, Serial No. 21,017
2 Claims. (Cl. 8—5)

1. A continuous method of dyeing which comprises passing a material of the class consisting of cellulose and regenerated cellulose dyed with an azo dyestuff substantive to cotton or regenerated cellulose having a diazotizable amino group through a diazotizing bath heated to about



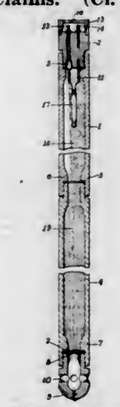
140° F. and a coupling bath containing an azo dyestuff coupling component, the material being immersed in said diazotization bath for a period of time not greater than about ten seconds.

2,074,032

CARTRIDGE FOR BLASTING

James Taylor and William Young, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

Application February 18, 1935, Serial No. 7,083
In Great Britain February 20, 1934
4 Claims. (Cl. 102—10)



1. A blasting device comprising a pressure-resistant container, means for venting the gases radially from the container at a predetermined and considerable pressure, means for initiating the decomposition of a non-detonating, gas-generating explosive composition contained therein, and a pressure-responsive waterproof means separating said container into two compartments, the compartment adjacent to said venting means containing water in an amount sufficient to cool and quench the products of combustion of said explosive charge, and the other said compartment containing a non-detonating explosive, said means for initiating the decomposition of said explosive and a volume of compressible gas sufficient to cause the commingling between the products of combustion of the explosive and the water in the adjacent compartment before said venting means is actuated.

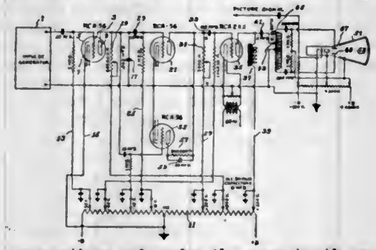
2,074,033

IMPULSE GENERATOR

William A. Tolson, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 22, 1934, Serial No. 716,839
8 Claims. (Cl. 250—36)

1. In combination, a wave-utilization network, a source of periodically recurrent impulses, means for deriving a saw-tooth wave from said impulses, means for amplifying said saw-tooth wave, and means for introducing distortion into the wave to compensate wave distortion in said wave-utilization network, said distortion-introducing means comprising an electric discharge tube normally biased to beyond the cut-off potential, connections whereby the saw-tooth wave is impressed on the grid thereof with the proper polarity to compensate said wave distortion, and means for impressing said distorted wave upon said wave utilization network.

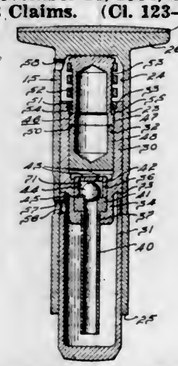


2,074,034

TAPPET CONSTRUCTION

Carl Voorhies, Detroit, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application November 14, 1934, Serial No. 752,902
23 Claims. (Cl. 123—90)



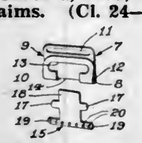
1. In a valve tappet, the combination with a tappet body provided with a longitudinal bore closed at one end and open at the other, of hydraulic compensating mechanism including an oil receptacle and reversibly receivable in said bore so that the receptacle can be disposed in substantially upright position for both substantially upright and substantially inverted positions of the tappet body.

2,074,035

SEPARABLE FASTENER

Sena M. Ward, Bronx, N. Y.

Application December 4, 1934, Serial No. 755,982
4 Claims. (Cl. 24—201)



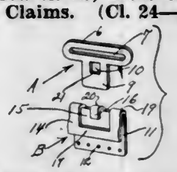
1. A separable fastener comprising a retaining member of thin resilient material folded upon itself to provide a flat substantially U-shaped part in cross-section and having a portion of one of its arms cut out to provide a slot

extending longitudinally upward from the bend, said slot having at its upper end lateral extensions, and a retained member of thin flat material having a tongue at its top insertable between the arms of the retaining member at the top of the slot, and lateral projections below said tongue insertable into the lateral extensions of the slot after the tongue has been inserted between said arms at an angle of inclination thereto, said projections on the retained member being located between said arms of the retaining member and against the fold thereof to prevent separation of said members by relative outward movement when the members are completely assembled by bringing said members into substantial parallelism after said projections enter said slot extensions and said members are moved in opposite directions.

2,074,036
SEPARABLE FASTENER

Sena M. Ward, New York, N. Y.

Application March 13, 1936, Serial No. 68,784
5 Claims. (Cl. 24—226)

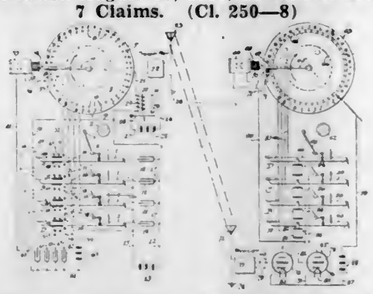


1. A separable fastener for connecting adjoining garments comprising a relatively thin and flat keeper or retaining member comprising a substantially U-shaped part in cross section, one of the arms of said member having a portion removed to provide an opening therein extending from the crown of the fold toward the free end of said arm, a projection on the other arm located in said opening, a retained or kept part comprising a relatively thin plate having a portion to slidably fit within said opening of the retaining member or keeper when said retained member is inclined relative to said retaining member and having an opening to register with and receive said projection when the parts are brought into substantial parallelism.

2,074,037
AUTOMATIC SELF-SYNCHRONIZED TRANSMITTING SYSTEM

Glenn W. Watson, Detroit, Mich., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application August 30, 1933, Serial No. 687,438
7 Claims. (Cl. 250—8)

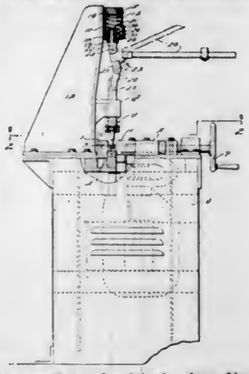


1. In an automatic self-synchronized transmission system, sending and receiving contact disks, a series of contacts on each disk, said contacts representing the characters, a common contact associated with each disk for selective engagement with the character contacts thereof and movable relatively thereto, substantially synchronized means tending to move said common contacts relatively to the respective disks, sending keys, a transmission circuit adapted to operate on actuation of a key and on engagement of the character contacts by the corresponding common contacts, electric locks at said disks adapted to hold said common contacts and to release the same upon depression of a sending key, means normally tending to set said locks to stop said common contacts in initial position, a sending circuit including a radio transmitter energized upon actuation of a key for releasing the lock at the sending disk and transmitting an impulse to simultaneously release the lock at the receiving disk, and a receiving circuit in connection with said receiving disk and including a radio receiver to receive such impulse.

2,074,038
DIAMOND EMBEDDED ABRADING TOOL

Fay H. Willey, Detroit, Mich.

Application May 29, 1935, Serial No. 24,068
12 Claims. (Cl. 51—280)

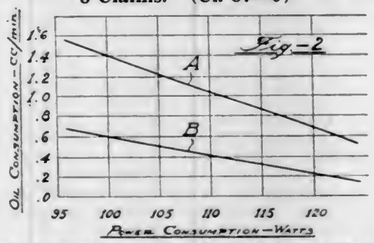


12. A diamond embedded abrading tool comprising a body formed of tungsten, nickel and carbon, diamonds interspersed in the composition in appreciable spaced relation one from the other, the metal spacing the diamonds being of greatest hardness at the diamond surface thereby providing a tool having a metal body less wear resistant than the metal in contact with the diamonds.

2,074,039
NONLEAKING LUBRICANT

John C. Zimmer, Elizabeth, and Ejnar W. Carlson, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application March 29, 1935, Serial No. 13,616
8 Claims. (Cl. 87—9)



1. A lubricating oil adapted for low power consumption and leakage, comprising a mineral oil lubricating oil and a small quantity, less than .5%, of an oil soluble linear polymer of isobutylene having a molecular weight in excess of 30,000.

2,074,040
ARYL MERCURY HYDROXY MONONUCLEAR AROMATIC CARBOXYLATES

Carl N. Andersen, Wellesley Hills, Mass., assignor to Lever Brothers Company, a corporation of Maine

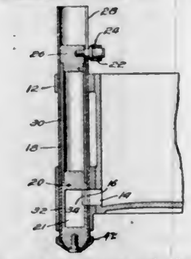
No Drawing. Application February 4, 1936, Serial No. 62,275
14 Claims. (Cl. 260—13)

1. A new organic mercury compound having the general formula $(RHg)_xR_1$, in which R represents an aromatic structure to a carbon atom of which the mercury is directly attached, and in which none of the carbon atoms has direct linkage with any element other than hydrogen, carbon and mercury; in which R_1 represents a hydroxy substituted mononuclear aromatic acid radical, which is linked to the RHg group through the replacement of acidic hydrogen; and in which x represents the number of RHg groups attached to the acid radical, and is an integer representing the number of acidic hydrogens in the acid.

2,074,041
FILLING MACHINE

Harold R. Baldwin, Carpentersville, Ill., assignor to Elgin Manufacturing Company, a corporation of Illinois

Application April 12, 1935, Serial No. 15,957
6 Claims. (Cl. 221—102)



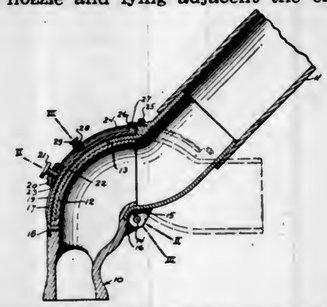
1. In a filling apparatus of the character described, the combination with a reservoir of a measuring cylinder associated therewith, said reservoir having a port in its lower end, said cylinder having a port in its lower end, a valve member having a pair of spaced ports communicating with both said reservoir port and said measuring cylinder port and a chamber in said valve member whereby liquid from the reservoir may flow through said valve member into said measuring cylinder, said valve ports being in such spaced relation to each other and to the cylinder port as to close the reservoir port during a discharging operation from said measuring cylinder.

2,074,042
SWIVEL CONNECTION FOR VACUUM CLEANER NOZZLES

Edward Carl Bank, Berkeley, Calif.

Application February 9, 1935, Serial No. 5,713
3 Claims. (Cl. 285—212)

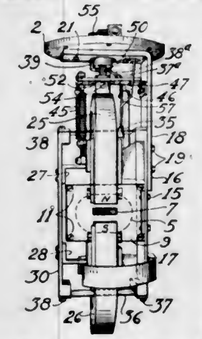
1. In a vacuum cleaning device including a vacuum tube and a nozzle therefor, a connection between said tube and nozzle comprising an elbow fixed to the nozzle, an elbow fixed to the tube and telescoping over the elbow on the nozzle, a pivotal connection between the tube and nozzle arranged concentrically with the center of curvature of said elbows, an arcuate bar fixed to the nozzle and lying adjacent the elbows, a thumbscrew fixed with relation to the tube and engageable with said bar to frictionally resist movement of said tube and elbow about said pivotal connection, and an adjustable stop member to regulate the extent of such movement.



2,074,043
SEISMOGRAPH

Ludwig W. Blau and Louis Statham, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

Application July 29, 1932, Serial No. 626,132
4 Claims. (Cl. 177—352)



1. In a seismograph, a frame, a coil wound on a rigid iron core, the ends of the core protruding from the coil in a horizontal direction, means immovably securing the coil to the frame, and a movable system including magnets of large inertia, means yieldably suspending the magnets from the frame for movement in a vertical direction with the poles of the magnets disposed on opposite sides of and spaced from the ends of the core whereby the magnets are maintained substantially stationary when the frame is subjected to seismic vibrations and motion of the core relative to the magnets induces electromotive force across the coil.

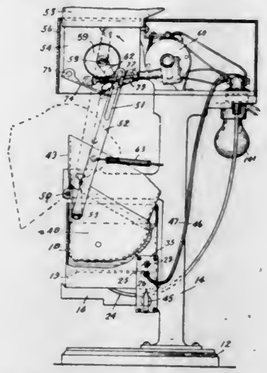
2,074,044
COOKING MACHINE

George H. Bushway, Hampton, N. H., assignor to Electricooker, Inc., Newburyport, Mass., a corporation of Massachusetts

Application July 8, 1936, Serial No. 89,517
19 Claims. (Cl. 53—7)

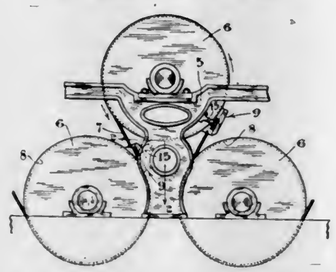
1. In a cooking machine, a container for cooking liquid, heating means therefor, a nor-

mally stationary electric motor, means arranged to be actuated by said motor to remove cooked material from the liquid, and a thermostat arranged to be influenced by the temperature of



the liquid in the container and to set said motor in operation to remove the material when the temperature of the liquid is raised to a predetermined point.

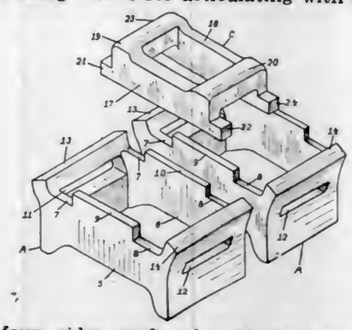
2,074,045
ROPE GUARD FOR PAPER MAKING MACHINES
Russell Carpenter, Wayagamack Island, Three Rivers, Quebec, Canada
Application November 1, 1935, Serial No. 47,883
In Canada November 3, 1934
5 Claims. (Cl. 34—48)



2. In a paper making machine the combination of a rotary dryer roll having a peripheral groove, carrier ropes arranged to run in said groove, and a rope guard for preventing displacement of the ropes from said groove, said guard comprising a front wall lying perpendicular to the periphery of the roll immediately in front of the groove and side walls projecting rearwardly over the groove to form a channel in which the ropes are received and held against displacement from the groove, said front wall gradually diminishing in width toward the point where the ropes enter the groove.

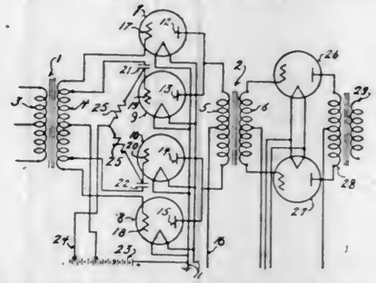
2,074,046
JEWEL MOUNTING FLEXIBLE BRACELET
Irwin Ciner, New York, N. Y.
Application June 2, 1936, Serial No. 83,021
3 Claims. (Cl. 63—4)

1. In jewel mounting flexible bracelet construction, a plurality of four sided metallic mounts; a one piece rectangular bridge link for linking and hinging each two contiguous mounts and having means for articulating with three of



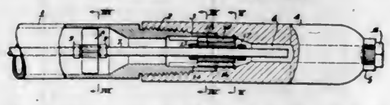
the four sides each of said two contiguous mounts.

2,074,047
ELECTRON DISCHARGE AMPLIFIER
Francis Lee Dechant, Racine, Wis.
Application October 31, 1934, Serial No. 750,851
5 Claims. (Cl. 179—171)



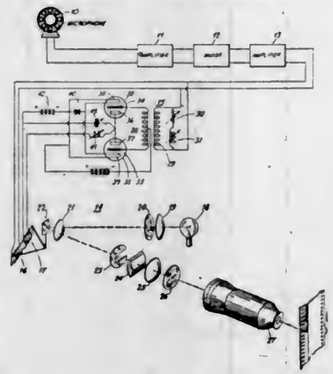
2. In a device of the class described, the combination of two signal amplifying stages, one of said stages being driven by the other of said stages, one of said stages having a drooping characteristic and the other of said stages having a rising characteristic, the stage with said rising characteristic having vacuum tubes arranged in a symmetrical system, whereby substantial distortionless amplification is obtained.

2,074,048
MANDREL FOR FORMING TUBES
August P. Diescher, Pittsburgh, Pa., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa., a corporation of Delaware
Application January 4, 1936, Serial No. 57,574
7 Claims. (Cl. 80—13)



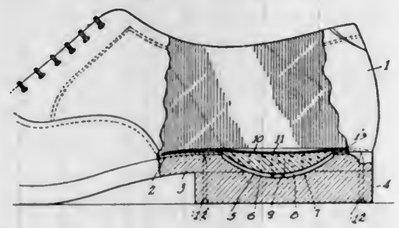
7. A mandrel comprising a stem member, a working member detachably connected to one end thereof, one of said members being provided with an axial bore extending from end to end, means disposed in said bore for positively locking said members together, and means disposed in said bore for moving said locking means into and out of operative position to lock and release said members, it being necessary for said locking means to be free of one of said members before said members can start to separate.

2,074,049
PHOTOGRAPHIC RECORDING OF SOUND
Glenn L. Dimmick, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 9, 1932, Serial No. 610,301
3 Claims. (Cl. 179—100.3)



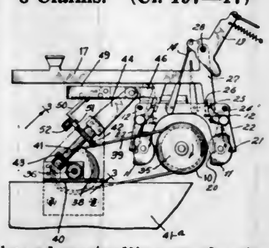
1. The combination of a source of electrical impulses, a light source, means for directing light from said source onto a photographic film, means in the path of said light for modulating the light in accordance with said impulses, means connected to said source to isolate high frequency impulses therefrom, and means connected to said isolating means for shifting the zero point of said modulating means in accordance with the envelope of said isolated impulses, whereby spurious envelope frequencies are neutralized.

2,074,050
VENTILATED RUBBER CUSHION HEEL PAD
William J. Dwyer, San Francisco, Calif.
Application November 25, 1935, Serial No. 51,419
1 Claim. (Cl. 36—3)



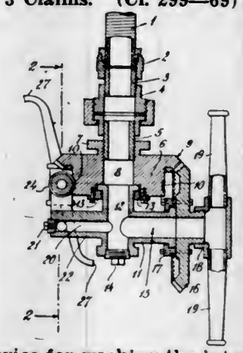
The combination with a shoe and a heel, said heel having a centrally disposed recess with its lower surface shaped as a portion of a sphere and with its upper margin shaped as a cylindrical rim, of a resilient pad mounted in the recess, said pad having a spherical surface contacting with the spherical surface of the recess, said pad also being provided with a cylindrical rim slidably mounted in the cylindrical rim of the recess, the spherical surface of the pad being provided with two intersecting grooves that cooperate with the recess wall for forming air conveying conduits, the grooves also receiving portions of the pad when the latter is compressed thereby permitting a more ready depressing of the pad, and the recess rim guiding the pad rim during the compressing and expanding of the pad.

2,074,051
KEYBOARD CONTROL MECHANISM
Clyde J. Fitch, Jersey City, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 23, 1935, Serial No. 12,575
8 Claims. (Cl. 197—17)



1. A keyboard controlling mechanism comprising a cyclically operated member adapted to be operated at a selected predetermined rate of speed, a plurality of operable key bars, and a common means associated with the said key bars and controlled by the said member to regulate the rate of operation of the said key bars in accordance with the selected rate of operation of the said member.

2,074,052
APPARATUS FOR CLEANING THE INTERIOR OF TANKS
Leonard B. George, Staten Island, N. Y., assignor, by mesne assignments, to Butterworth System, Incorporated, a corporation of Delaware
Application June 29, 1933, Serial No. 678,137
3 Claims. (Cl. 299—69)



1. In a device for washing the interior of ships tanks and the like, the combination of a laterally flexible member acting both as support and supply pipe and capable of being extended to a variable depth within the tank, and a spray head on the end of said support, said spray head comprising a fixed body being formed into an external bevel gear, a second portion of said body being formed into a second gear, and with a liquid passage in the interior of said fixed body, and a rotating body rotatively affixed to said fixed body, said rotating body having a cross form, with internal water passages, one arm of said cross terminating in a yoke, carrying a worm gear, the water passage in this arm extending through one side of the yoke and axially through the worm gear shaft, which shaft extended, terminates in a T having mounted therein nozzles of reaction type to convert liquid pressure into rotative motion of shaft and worm which is rotatively mounted in said yoke, whereby said worm, working upon the second

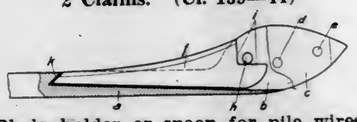
gear of the fixed body may cause the rotating body to turn with respect to the fixed body about their common center-line, the other arm of the cross having rotatively mounted upon its outer end a bevel gear which meshes with the bevel gear of the fixed body, the water passage of this cross arm extending axially through said bevel gear and terminating in a T having mounted therein nozzles formed to convert liquid pressure into velocity energy of jets.

2,074,053

PILE WIRE SPOON WITH EXCHANGEABLE BLADE

Alfred Groth, Gera, Germany

Application September 19, 1935, Serial No. 41,193
In Germany September 19, 1934
2 Claims. (Cl. 139—44)



1. Blade holder or spoon for pile wires with exchangeable blades comprising two spaced resilient walls, rivets connecting said walls at their front ends, one of said rivets spacing said walls from one another, and one of said walls formed with a depression in the material of its outside forming an inner projection filling the space between both walls, a blade adapted to be introduced between both walls and formed with a cut-away portion to be engaged by said projection, and a shoulder formed in the holder adapted to be engaged by the opposite end of the blade.

2,074,054

HOLDER FOR SPINNING RINGS

Harvey E. Herr, Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York

Application July 9, 1935, Serial No. 30,484
8 Claims. (Cl. 118—59)



1. A device of the character described, comprising a supporting member containing a central opening through which a take-up spool is adapted to extend and having an annular flange rising therefrom about said opening, a spinning ring for a bar traveler mounted on said supporting member in concentric relation to and below the plane of the top edge of said flange, and a bar traveler having a cross bar and depending legs terminating in bearing arms for engagement with the underside of said spinning ring, the cross bar of the traveler at the junction of its depending legs being engageable with the top edge of said annular flange and the legs thereof being engageable adjacent their upper and lower ends with the companion concentric portions of said flange and ring, respectively.

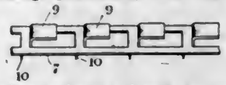
2,074,055

FASTENING MEANS FOR INSULATING MATERIAL

Samuel J. Irwin, St. Lambert, Quebec, Canada

Application January 20, 1936, Serial No. 60,007
5 Claims. (Cl. 154—45)

1. A fastening band for holding insulating slabs to a boiler or other surface comprising a flat strip of metal cut at intervals along its length to provide adjacent oppositely directed tongue forming portions, one of said tongue



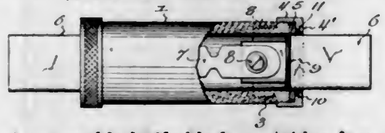
forming portions being bent to provide an L-shaped bracket at the outer face of the strip and the other tongue forming portion being bent to project beyond the inner face of the strip.

2,074,056

CARTRIDGE FUSE

Oscar H. Jung and Paul E. Heffelfinger, Milwaukee, Wis., assignors to Trico Fuse Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin

Application October 29, 1934, Serial No. 750,499
4 Claims. (Cl. 200—131)



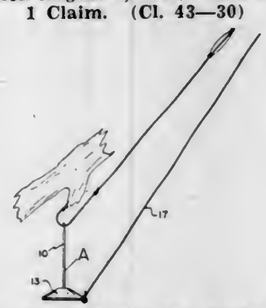
1. A renewable knife blade cartridge fuse comprising a casing, a renewable fuse element including knife blade terminals, terminal receiving members carried by the ends of the casing, resilient means associated with one of said terminal receiving members for binding engagement with at least one edge of the terminal received thereby, and means carried by said member for forcing said resilient means into engagement with the terminal.

2,074,057

FISHHOOK RELEASE

Paul Kempe, Milwaukee, Wis.

Application August 6, 1936, Serial No. 94,611
1 Claim. (Cl. 43—30)



A device for releasing fish hooks from submerged obstructions comprising, a resilient open eye having radially extending legs and laterally extending feet on the terminals of the legs, and a weight provided with an axial bore for receiving the legs when the ring is compressed, and notches in the wall of the bore for receiving the feet when the eye is expanded, said weight having a retrieving line opening therein at one side of the bore.

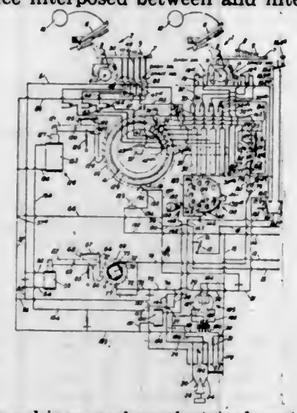
2,074,058

CODING AND DECODING APPARATUS

Walter S. Lemmon, New York, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 16, 1934, Serial No. 730,905
21 Claims. (Cl. 197—4)

21. A coding and decoding machine comprising a manually operable primary machine, a secondary machine operable from the first, coding means comprising a single movable circuit changing device interposed between and interconnect-



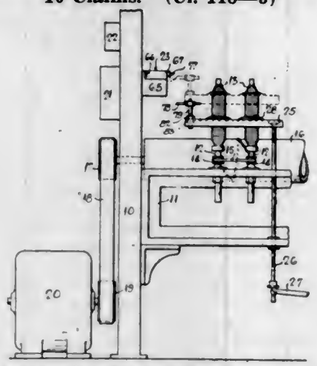
ing the machines, and an electrical control circuit under control of the primary machine to control the positioning of the said coding means at irregular and arbitrary intervals.

2,074,059

STOP MOTION FOR SPINNING FRAMES

John F. Lewis and Charles W. Moseley, Charlotte, N. C., assignors to R. H. Bouligny, Inc., Charlotte, N. C., a corporation of North Carolina

Application October 4, 1935, Serial No. 43,552
10 Claims. (Cl. 118—5)



1. In a spinning frame having a vertically reciprocable ring rail and motor driven spindles for receiving bobbins, an electric circuit including said motor, a normally closed switch in said circuit, a member adjustably mounted on the ring rail for engaging and opening said switch while the ring rail is moving downwardly.

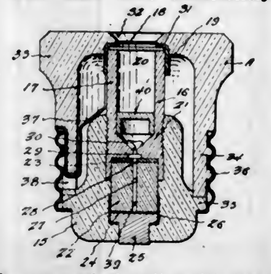
2,074,060

RENEWABLE FUSE

Charles J. McHugh, Indianapolis, Ind., assignor, by mesne assignments, to George M. Rich

Refiled for abandoned application Serial No. 743,853, September 13, 1934. This application August 19, 1936, Serial No. 96,840
10 Claims. (Cl. 200—113)

5. An electric fuse comprising a body, suitable external contacts on said body, said body having a capillary bore communicating with one of said contacts, conducting means leading from the other end of said bore to another of said contacts, and mercury normally located in said capillary bore and electrically uniting said contacts, said body having an expansion chamber communicating with said bore, into which chamber the mercury vapor is discharged from said capillary bore when the fuse is blown and in which chamber the mercury cools and forms globules which will not pass back into said bore sufficiently to again



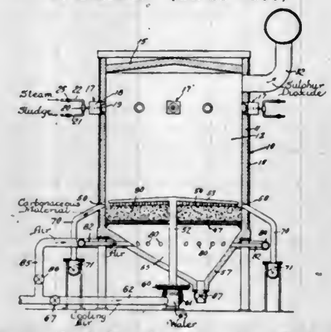
complete the normal circuit until the mercury is agitated, as by shaking, said conducting means including in series connection a fuse link and a transversely apertured member through the aperture of which said mercury extends whenever the same is in normal circuit closing position in said capillary bore.

2,074,061

PRODUCTION OF SULPHUR DIOXIDE

Edwin J. Mullen, New Rochelle, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York

Application April 20, 1934, Serial No. 721,421
10 Claims. (Cl. 23—177)



1. The method for decomposing sludge material derived from sulphuric acid treatment of hydrocarbon oils which comprises forming a dispersion of sludge material in a reaction zone, maintaining a body of combustible carbonaceous material in the reaction zone, burning at least a portion of said carbonaceous material to form hot gaseous combustion products containing little or no oxygen, and contacting the dispersed sludge material with the hot gaseous combustion products to decompose the sludge material to form sulphur dioxide and carbonaceous residue, and withdrawing sulphur dioxide from the reaction zone.

2,074,062

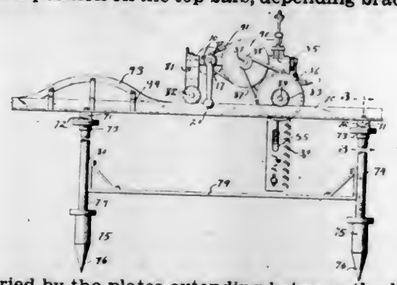
HEDGE TRIMMER

Lloyd V. Newman, Racine, Wis.

Refiled for (abandoned) application Serial No. 686,026, August 21, 1933. This application April 8, 1936, Serial No. 73,390
2 Claims. (Cl. 56—237)

1. A device for trimming hedges comprising a wheeled supporting frame including a pair of

spaced parallel front bars, a horizontally disposed top cutter carried by said bars, a pair of plates slidably mounted on the top face of the bars, means for adjustably holding the plates in a selected position on the top bars, depending brackets



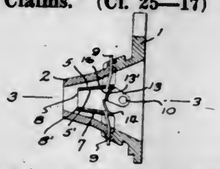
carried by the plates extending between the bars, and side cutter bars connected with said brackets, said connection embodying a hinge joint and adjustable braces connecting the side cutter bars intermediate their ends with the frame, whereby the angle of the side cutter bars can be changed.

2,074,063

APPARATUS FOR PRODUCING HOLLOW BRICKS CLOSED ON ALL SIDES

Jan Putterlik, Prague, Czechoslovakia

Application June 12, 1934, Serial No. 730,199½
In Czechoslovakia June 22, 1933
8 Claims. (Cl. 25—17)



1. In an extrusion press mouth piece for producing hollow bodies from plastic material, means for producing a hollow strand of plastic material, means for producing plugs, a hollow core for inserting said plugs at predetermined intervals into said hollow-strand and means for introducing a fluid medium to the periphery of the outlet end of said core to assist in severing the individual plugs from the mass of plastic material in said hollow core.

2,074,064

MANUFACTURE OF MACARONI PRODUCTS

Olaf S. Rask, Baltimore, Md., assignor of one-half to Herbert C. Fooks, Baltimore, Md.

No Drawing. Application November 30, 1934, Serial No. 755,357
10 Claims. (Cl. 99—85)

1. A macaroni product the vegetable substances in which macaroni product are at least 95 per centum wheat products, which macaroni product has a pH of 7.0 to 10.0.

10. A macaroni product the vegetable substances in which macaroni product are at least 95 per centum wheat products, which macaroni product is alkaline and contains 0.08 per centum to 0.56 per centum of calcium.

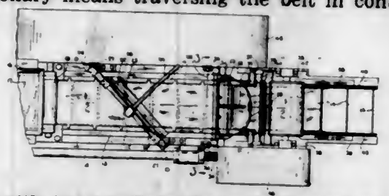
2,074,065

PASTING MACHINE

Otto R. Stelzer, Akron, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a corporation of Ohio

Application November 20, 1935, Serial No. 50,742
6 Claims. (Cl. 226—39)

1. In a pasting machine, the combination of a conveyor belt adapted to support the work, means for applying a pasty material to the work as it is conveyed by said belt, and relatively thin, narrow, stationary means traversing the belt in contact



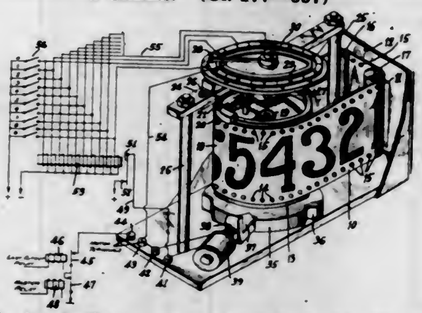
therewith intermediate the ends thereof in position to pass between the belt and the treated work conveyed thereon for severing the paste between the belt and the work.

2,074,066

MOTOR OPERATED INDICATOR DIAL

Evan R. Wheeler, North Plainfield, and Emerson J. Sortore, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application April 11, 1930, Serial No. 443,597
2 Claims. (Cl. 177—337)



1. An indicator unit comprising an endless indicator element, a rotary driving cylinder for said element, said indicator element and driving cylinder being movable through unequal portions of a revolution by a given movement of said cylinder, a segmented commutator, a brush for said commutator, a driving motor, means operated thereby for driving said brush and cylinder simultaneously at different angular speeds, whereby said brush moves through a complete revolution in the same time interval as said indicator element, means for preparing circuits selectively through the segments of said commutator, means controlled by completion of any one of said circuits for arresting the movement of said cylinder and means including said brush and the segments of said commutator for completing a selected one of said circuits.

2,074,067

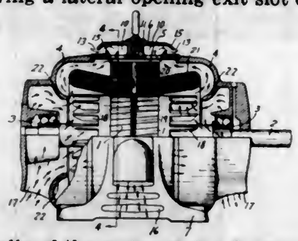
VENTILATED SPLASHPROOF MOTOR HOUSING

Victor L. Darnell, Dayton, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio

Application October 14, 1935, Serial No. 44,928
13 Claims. (Cl. 172—36)

1. An electric motor casing including oppositely disposed heads having downwardly turned air intake openings, a ventilator ring, interposed between the casing heads, including concentric inner and outer spaced walls and a medial septum connecting the inner and outer walls, a pair of

parallel annular passages therein having a series of spaced ports in the inner wall of said ring affording communication between the interior of the casing and said passages and said passages each having a lateral opening exit slot extending



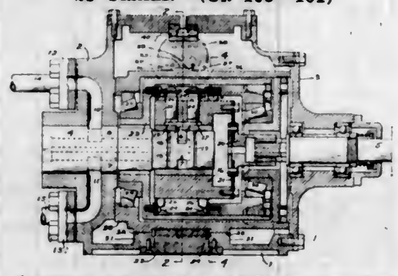
peripherally of the motor casing from one side to the other thereof, the margins of the exit slot being offset in spaced overlapping relation, and a hollow supporting portion for the casing with which the passage communicates having air exit openings therefrom.

2,074,068

PUMP OR MOTOR

Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

Application March 23, 1933, Serial No. 662,219
23 Claims. (Cl. 103—161)



1. A pump, comprising a cylinder member and a thrust member rotatable upon axes which are parallel and offset from each other, means for rotating said cylinder member, a piston independent of any other piston fitted in said cylinder member and having the outer and inner end portions thereof fixed for rotation with each other, an arcuate contact face arranged upon the outer end of said piston, and a reaction surface arranged upon said thrust member and engaging said contact face, said reaction surface being so shaped that it engages said contact face only upon a single spot which remains upon the same side of the piston axis in respect to a given point on the axis of said cylinder member and which is offset far enough from the axis of said piston to cause said contact face to roll along said reaction surface and said piston to rotate in said cylinder member first in one direction and then in the opposite direction during rotation of said cylinder member.

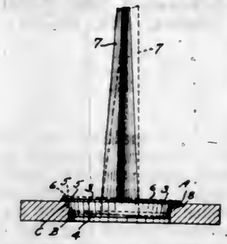
2,074,069

HOLDER FOR BALE IDENTIFICATION TAGS

George E. Gaus, Washington, D. C., dedicated to the free use of the Public

Application January 29, 1935, Serial No. 3,947
2 Claims. (Cl. 100—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An identification device consisting of a substantially non-resilient plate-like tag holder having an outwardly tapered inner-walled socket member formed therein adapted to be interiorly affixed to a pressing platen of a baler, a nail-like identification tag having a tapered head formed thereon adapted for engagement with said socket member, said tapered inner-walled socket mem-



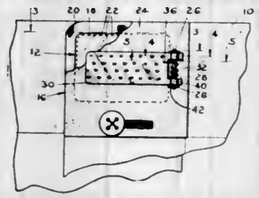
ber adapted to receive and secure in periphractic frictional contact the head of said tag during engagement of the tag with the material as the same is being formed into a bale, and adapted to coactively permit the release of the tag from said holder upon completion of the normal process of baling.

2,074,070

TROUSERS

Clarence L. Lee, New York, N. Y.

Application September 10, 1936, Serial No. 100,064
8 Claims. (Cl. 2—227)



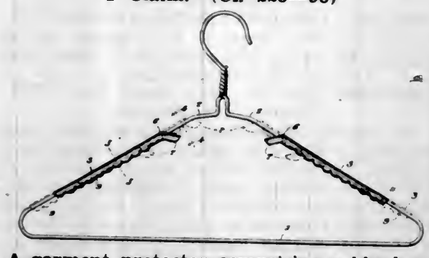
1. In trousers having a waistband, means attached to said waistband for holding down a shirt front, said means comprising a plate secured to the inside of the waistband adjacent the end of the inner flap of the trousers fly below the upper edge of the waistband, and a member movably secured to said plate, and having a free end portion adapted to grip the shirt front in position overlying said plate on the inside of the trousers.

2,074,071

GARMENT PROTECTOR

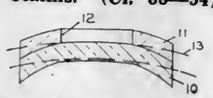
Roland A. McDonald, St. Joseph, Mo.

Application April 15, 1936, Serial No. 74,551
1 Claim. (Cl. 223—98)



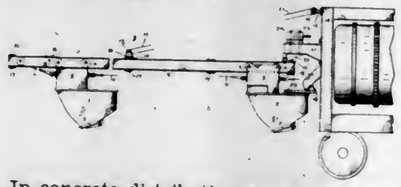
A garment protector comprising a blank provided near one end with a transverse scoring and with bent-in ears at said scoring, and said blank curved transversely from said scoring to its other end in a uniform manner.

2,074,072
OPHTHALMIC LENS AND METHOD OF MAKING SAME
Edward J. Reh, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 1, 1935, Serial No. 4,540
6 Claims. (Cl. 88—54)



1. The method of making ophthalmic lenses which comprises forming a central aperture in a blank of colored glass, securing said blank to a piece of clear glass in superposed relation, pressing said composite blank to a deep meniscus form with the apertured blank on the convex side, forming a countersink in said convex side, securing a clear segment in said countersink and using the aperture as a guide while grinding the convex face of said blank to its final curve.

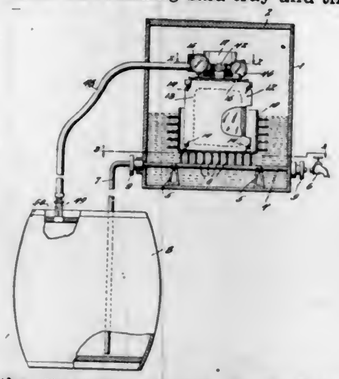
2,074,073
CONCRETE DISTRIBUTING APPARATUS
Arthur P. Robinson, Plainfield, and John P. Faber, Dunellen, N. J., assignors to Ransome Concrete Machinery Company, Plainfield, N. J., a corporation of New Jersey
Application October 22, 1936, Serial No. 106,970
12 Claims. (Cl. 214—59)



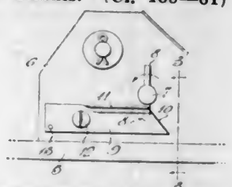
1. In concrete distributing apparatus a mixer, a discharge device therefor, a boom pivotally mounted adjacent said discharge device and extending therefrom, a plurality of receiving and conveying buckets mounted on said boom, means for propelling said buckets and causing them to travel on said boom separately toward and from said discharge device and to a position to receive each a part of the concrete discharged by the latter and means associated with said device and located in proximity to said buckets when in charge receiving position for diverting the charge passing through said device into two buckets simultaneously.

2,074,074
COOLING AND DISPENSING APPARATUS
Albert Roren, New York, N. Y., assignor to Carbonaire Beverage Dispenser, Inc., New York, N. Y., a corporation of New York
Application July 23, 1935, Serial No. 32,797
3 Claims. (Cl. 225—40)

1. Apparatus for cooling and dispensing liquid comprising a source of supply of the liquid to be dispensed, a chamber having a space therein for containing a cooling liquid, a dispensing conduit leading from said source of supply and extending through said space at a point adjacent the bottom thereof, a tray located in said space and having fins of a material of high conductivity protruding from the exterior thereof, a closed receptacle for solid carbon dioxide mounted within said tray, and means in communication with said receptacle for conveying the gaseous carbon dioxide liberated by the evaporation of solid carbon dioxide under a predetermined pressure to said source of supply, whereby the cold generated by the evaporation of the solid carbon dioxide may be transferred from the walls of said receptacle through the fins of said tray to the cooling liquid surrounding said tray and the portion of the dispensing conduit within said space to cool the liquid contained therein and the gaseous carbon dioxide liberated by the evaporation of the solid carbon dioxide may be introduced into the source of liquid supply to place it under head pressure sufficient for discharge of the liquid contained in the dispensing conduit through a dispensing faucet.



2,074,075
SPRING DETENT
Armas J. Saarinen, San Francisco, Calif., assignor to Granberg Meter Corporation, San Francisco, Calif., a corporation of California
Original application April 13, 1936, Serial No. 74,183. Divided and this application November 30, 1936, Serial No. 113,499
2 Claims. (Cl. 188—81)

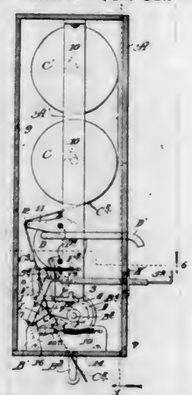


1. A means for limiting retrograde rotation of a shaft, comprising a laterally projecting finger on the shaft, and a spring arm mounted in a plane transverse to said shaft and having a free end positioned to abut said finger if the shaft be retrogradely rotated, said spring arm having an obliquely directed longitudinal edge in the path of said finger to allow said finger to force said spring arm out of its path when the shaft is rotated in the intended direction.

2,074,076
MANUFACTURE OF ARTIFICIAL SILK
Hans Alwin Schrenk, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application July 3, 1935, Serial No. 29,764
3 Claims. (Cl. 18—54)

1. A method of treating artificial silk coagulated in an acid bath which consists in the steps of prewashing freshly spun artificial silk in package form with cool water until the major portion of the acids is removed therefrom and thereafter subjecting the silk to the washing action of water at a temperature above 50° C. whereby the remaining acids are completely eliminated.

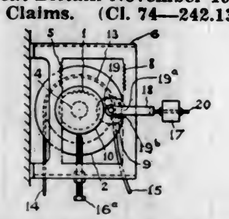
2,074,077
SOAP AND TOWEL VENDING MACHINE
Vivian D. Smith, Detroit, Mich., assignor to John R. Millar, Detroit, Mich.
Application October 4, 1934, Serial No. 746,881
10 Claims. (Cl. 312—38)



1. In a machine of the character set forth: a casing; paper-feeding rolls disposed transversely in said casing; a soap-reservoir disposed transversely in said casing; a follower in said reservoir and a shaft for actuating said follower; gears connecting said shaft and one of said rolls; and means for actuating said gears.

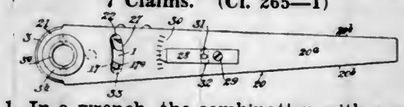
8. In a machine of the character set forth: a casing; feeding rolls journaled therein, one of said rolls having a shaft equipped with a fixedly mounted control-disk having a locking shoulder; a locking-dog pivotally mounted on said casing and normally engaging said locking shoulder to prevent feeding action of the rolls; means for rotating said locking dog about its pivot to disengage it from said shoulder, thereby releasing said control disk; means for initiating movement of said control disk and rolls; said means cooperating with and actuated by said first-mentioned means; and a crank serving to actuate said feed rolls after their movement is initiated by said last-mentioned means to complete the feeding movement.

2,074,078
METHOD OF AUTOMATIC TENSION CONTROL IN BELT AND ROPE DRIVES
Herbert Walker Swift, Shipley, England
Application June 12, 1936, Serial No. 84,950
In Great Britain November 19, 1934
9 Claims. (Cl. 74—242.13)



1. Automatic tension control means for belt or rope drives comprising a torque transmitting or receiving element including a pulley, a torque reaction member carrying said element, and a mounting for said torque reaction member; said mounting including stationary racks, gears in mesh with said racks and fixed to the torque reaction member with their centers on a line parallel to a line parallel to the axis of said element, parallel guide racks spaced from the first mentioned racks, and idler gears carried by the torque reaction member and meshing respectively with said first mentioned gears and said guide racks, said idler gears retaining the first mentioned gears in engagement with said stationary racks, whereby said torque reaction member may be displaced along said stationary racks in accordance with the torque reaction to vary the tension in the belt or rope drive.

2,074,079
TORQUE MEASURING WRENCH
Conrad Charles Bahr, New York, N. Y., and George H. Pfefferle, Bradford, Pa., assignors to S. R. Dresser Manufacturing Company, Bradford, Pa., a corporation of Pennsylvania
Application June 12, 1935, Serial No. 26,106
7 Claims. (Cl. 265—1)



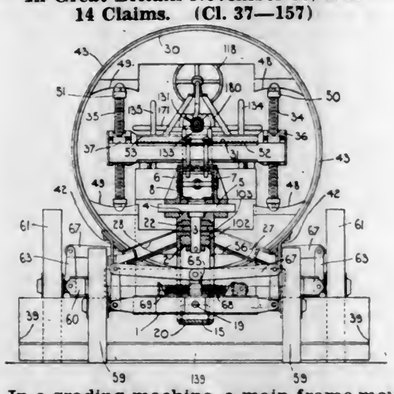
1. In a wrench, the combination with a socket member and a primary handle member operatively connected therewith by means permitting relative movement of said parts in one direction, and locking means for connecting said parts for joint movement in both directions, of a secondary handle member pivotally connected with the primary handle member and movable relatively thereto, a spring element interposed between said handle members normally holding them in fixed relation, a movable indicator part carried by one of said handle members and provided with a part for engaging a cooperating part carried by the other handle member for operating said locking means during relative movement of said members, and means for holding said indicator part in predetermined adjusted position.

2,074,080
LADDER MENDING DEVICE FOR KNIT GOODS
Rudolf Bellmann, Chemnitz, Germany
Application May 25, 1936, Serial No. 81,721
In Germany January 17, 1935
8 Claims. (Cl. 66—117)



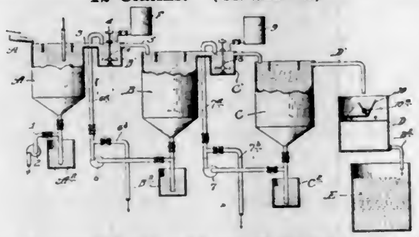
1. A device for mending ladders in knit goods, comprising a guide member, a spring needle longitudinally displaceable in said guide member, and needle presser and knocking over means carried by said guide member and cooperating with said spring needle to form a new mesh.

2,074,081
ROAD GRADING MACHINE
John Stephen Burns, Westminster, London, England
Application October 30, 1934, Serial No. 750,693
In Great Britain November 30, 1933
14 Claims. (Cl. 37—157)



1. In a grading machine, a main frame mounted on wheels, a ring member mounted on and encircling the main frame, a plough frame with mould board and blade suspended from said member, means for revolving said member with the plough frame about the main frame and means for moving the centre of revolution of said member relatively to the main frame.

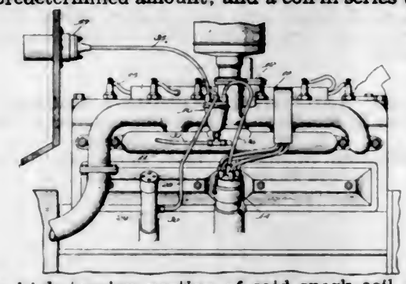
2,074,082
SEWAGE TREATING PROCESS
Bernhard P. Domogalla, Madison, Wis.
Application February 9, 1935, Serial No. 5,816
12 Claims. (Cl. 210—2)



1. A process for treating fluid sewage which comprises: mixing with the sewage a coagulant comprising a zinc salt of an inorganic acid and effecting coagulation therewith while maintaining in the menstruum a hydrogen-ion concentration less than 7 pH and not below 5 pH; separating the resultant coagulum from the fluid while the fluid remains in acid condition; and subsequently treating said fluid with an alkaline reagent and removing the resultant coagulum from the fluid.

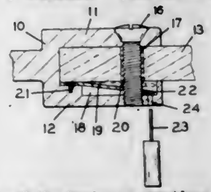
2,074,083
DEVICE FOR INTERNAL COMBUSTION ENGINES
Harold W. Eden, Chicago, Ill., assignor of one-third to Arthur M. Callman, and one-third to Arthur A. Abrams, both of Chicago, Ill.
Application November 16, 1936, Serial No. 111,104
7 Claims. (Cl. 123—119)

1. A combustion improving device for an internal combustion engine having a high tension ignition system energized by a spark coil, including: means whereby air and vapors from the crank case are drawn into the intake manifold of said engine when the vacuum therein exceeds a predetermined amount; and a coil in series with



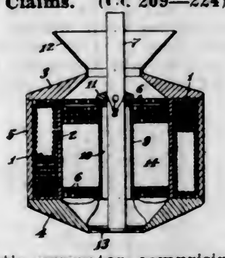
the high-tension portion of said spark coil, said coil being so constructed and arranged that said air and vapors pass through the field thereof before entering said manifold.

2,074,084
OPHTHALMIC MOUNTING
Gerhard A. Ellestad, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 1, 1935, Serial No. 4,532
7 Claims. (Cl. 88—47)



2. In an ophthalmic mounting, the combination of a strap positioned on the face of a lens having an opening, a retaining element positioned in said opening and secured directly to said strap, a locking member movably mounted on said strap, said member having a hole within which said element is positioned, and coacting locking means on said element and on the wall of said hole, said member being adapted to be selectively moved to bring the locking means on the wall of the hole into or out of locking engagement with the locking means on the element.

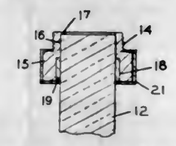
2,074,085
MAGNETIC SEPARATOR
Samuel G. Frantz, Princeton, N. J.
Application May 20, 1935, Serial No. 22,283
14 Claims. (Cl. 209—224)



5. A magnetic separator, comprising a magnet coil energizing a magnetic circuit, a casing located in a gap in said circuit and adapted to receive a liquid stream and confine its flow substantially

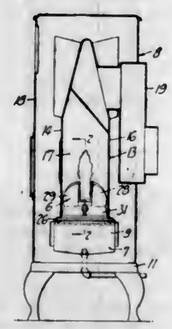
entirely through said gap, said magnetic circuit being closed except for said gap, a plurality of openly spaced elongated magnetizable members arranged transversely of the flux path and distributed throughout the transverse section of the casing and distributed for a substantial distance in the direction of the flow stream, so that a cross-section taken through said casing normal to the length of any of said members presents in general an array of a multiplicity of discrete cross-sections of such members distributed in two dimensions substantially throughout said casing in said field, the proximity and spacing of said members along the direction of the flux path being respectively sufficiently close and so arranged as to form regions of intense and convergent field at their adjacent surfaces in the direction of the flux path.

2,074,086
COLORIMETER PLUNGER
Walter W. Graeper, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 1, 1935, Serial No. 4,531
6 Claims. (Cl. 88—14)



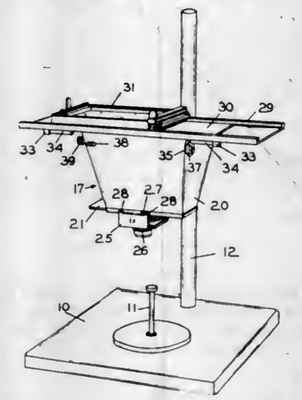
6. A colorimeter plunger assembly comprising a transparent plunger member, an annular metallic member having a central opening for snugly receiving the end of said plunger member, said opening being enlarged toward the other end of said plunger, a fusible metal of the type which expands upon freezing filling the enlarged portion of said opening, and a non-corroding metal covering said metallic member and said metal.

2,074,087
FLAME SPREADER
Gustav A. Huetteman and Joseph E. Leonard, Oakland, Calif., assignors to Hammer-Bray Company, Ltd., Oakland, Calif., a corporation of Nevada
Application August 23, 1935, Serial No. 37,518
5 Claims. (Cl. 158—116)



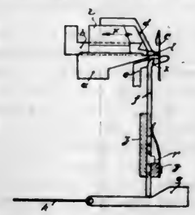
1. A flame spreader adapted to be positioned over a substantially circular flame for spreading the latter into an elongated form comprising a member having a passage for said flame consisting of a circular portion for receiving the flame and terminated in a curved elongated orifice for discharging the flame, said orifice being substantially equally spaced at all points thereof from said receiving portion, and having the ends thereof substantially transversely aligned therewith.

2,074,088
APPARATUS FOR PRODUCING ORTHO-STEREOSCOPIC REPRESENTATIONS
Henry F. Kurtz, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application May 28, 1935, Serial No. 23,886
4 Claims. (Cl. 95—37)



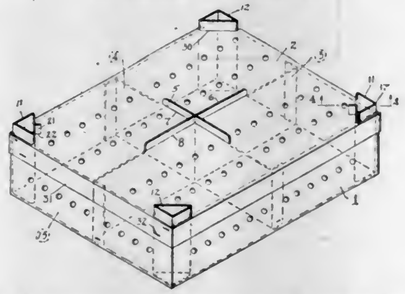
2. A camera for stereoscopic photography comprising a camera body, a lens movably mounted at one end of said body, means for moving said lens a predetermined amount, a sensitive element holder movably mounted at the other end of said body and means for moving said holder the distance of the lens movement multiplied by the photographic magnification plus one, in the same direction as the lens.

2,074,089
JACQUARD COVERING AND TUCK PATTERN DEVICE FOR FLAT HOSIERY FRAMES
Anton Loimann, Chemnitz, Germany
Application May 15, 1934, Serial No. 725,781
In Germany June 8, 1933
2 Claims. (Cl. 66—98)



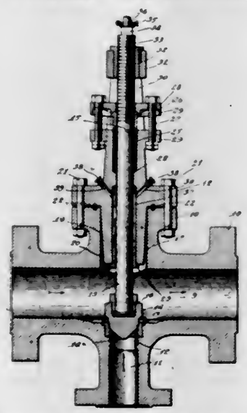
1. Jacquard covering and tuck pattern device for flat hosiery frames, comprising knocking over bits, a guide bed, auxiliary members disposed in said bed and vertically and horizontally movable therein, a presser bar capable of forward and backward displacement, and means for raising said auxiliary members from inoperative position to within range of said presser bar, the upper ends of the raised members being moved in a to and fro horizontal direction.

2,074,090
CHICK BOX
Gaylord Loth, Sandusky, Ohio, assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application July 20, 1936, Serial No. 91,481
11 Claims. (Cl. 229—6)



1. A shipping box having a lid, corner apertures through said lid, interior posts in said box, said posts having upstanding portions adapted to project through said apertures.

2,074,091
PRESSURE CONTROL VALVE
John K. MacKinnon, McPherson, Kans.
Application April 11, 1935, Serial No. 15,793
3 Claims. (Cl. 251—155)



1. In an expansion valve for the control of an oil-cracking system, the improvement which comprises a cross-shaped valve body, means for passing oil therethrough in one direction and a transfer line for passing hot oil under pressure thereinto at substantially a right angle to the first mentioned direction, the transfer line being restricted in diameter at a point near its inner end so as to cause an increase in the speed of flow of the oil along the walls of the transfer line; a seat at the end of the transfer line; a blunt-nosed slightly tapered plug for obturating the exit of the transfer line; a plain stem attached to said plug for operating the same; a bonnet having a closed cylindrical space through which said stem passes, thus forming an annular space surrounding the stem; external operating threads on said stem and means for cooling that portion of the stem that is out of contact with the valve contents comprising an inlet and an outlet for circulating a cooling fluid through said annular space.

2,074,092
MOTOR MOUNTING
Clyde W. Mapes and Zerbe C. Bradford, Dayton, and Edward B. Sleeter, Warren, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 8, 1934, Serial No. 738,896
5 Claims. (Cl. 248—26)



5. The combination of a member having a non-circular tapered opening, a threaded insert, a body of resilient material vulcanized to the insert, said body having a head and a tapered portion slightly larger in dimension than the opening in the member adapted to be forced into the opening, the tapered portion expanding in the opening and the head engaging the outer surface of the member, and means having screw-thread engagement with the insert to connect the member to a support, the movement of the screw-threading means in one direction causing the head of the body to be compressed between the support and the member, whereby the body will insulate the member from the support and absorb vibrational movements of the member in all directions.

2,074,093
ANNEALING COVER
Edward N. Millan, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application August 26, 1935, Serial No. 37,858
7 Claims. (Cl. 263—49)

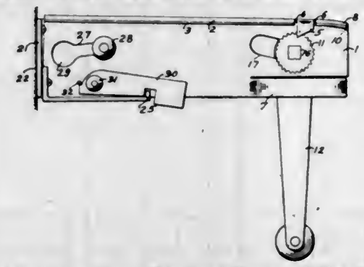


1. An annealing cover comprising vertically corrugated side wall members of plate metal, an arc shaped top of laterally corrugated plate metal and a joining strip therebetween, said strip longitudinally bent to form an obtuse angle one leg of which overlies and is welded to the top of the side wall, and the other leg of which is placed flatwise against the end of the top and welded thereto.

2,074,094
CAN OPENER
Thomas L. Rush, Cleveland, Ohio
Application July 15, 1936, Serial No. 90,722
8 Claims. (Cl. 30—3)

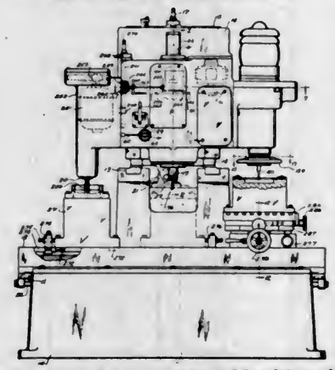
1. A can opener having a fixed blade, a traction wheel adapted to engage the bead of a can arranged in cutting engagement with the blade, means supporting the wheel for rotation and for movement lateral to the axis of rotation in a direction oblique to the shortest distance between the blade point and the wheel axis in can-opening position, the path of movement of the traction wheel between can opening position and can

disengaging position being such that the side of the traction wheel engages and moves relative to the side of the can bead with the blade in can



engaging position, the periphery of the traction wheel engaging the underside of the can bead when in can opening position, means for rotating the traction wheel.

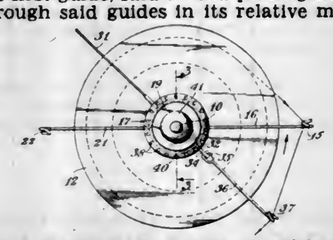
2,074,095
COMBINED PATTERN CONTROLLED MACHINE TOOL
Bernard Sassen, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application April 2, 1935, Serial No. 14,294
19 Claims. (Cl. 29—33)



1. A machine for producing blanking dies from blank stock comprising a pair of relatively movable supports, means to mount a piece of blank stock and a pattern on one of said supports, a roughing and a finishing tool mounted on the other support for selective engagement with the stock, said other support having a tracer for engagement with the pattern and power operable means controlled by the tracer while in engagement with the pattern to cause a prescribed path of relative movement between the tool and work.

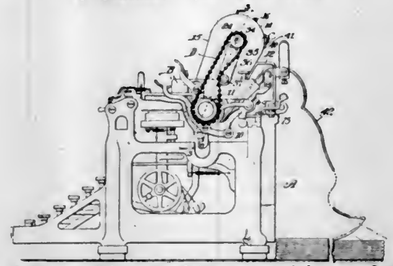
2,074,096
THREAD TENSION REGULATING APPARATUS
William Farrington Suydam, Hawley, Pa., assignor of eighty per cent to Louise D. Suydam, Hawley, Pa., and twenty per cent to Earl D. Deremer, Montclair, N. J.
Application March 17, 1934, Serial No. 716,152
15 Claims. (Cl. 117—23)

1. The combination with a rotating member having thread moving relatively with respect thereto, of a guide freely rotatable substantially on the same axis as said rotating member, and a second guide freely rotatable on the same axis as the first guide, said thread passing successively through said guides in its relative movement,



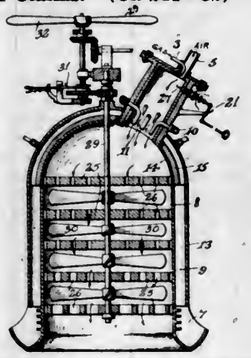
one of said guides offering more resistance to rotation than the other.

2,074,097
TYPEWRITING MACHINE
Charles L. Winter, Chicago, Ill., assignor to United Autographic Register Co., a corporation of Illinois
Application March 11, 1935, Serial No. 10,543
6 Claims. (Cl. 197—133)



1. A typewriting machine comprising: a frame; a carriage shiftably mounted on said frame and equipped with a record compartment; feed-means in said carriage comprising a rotatable platen roll and presser-means adapted to advance into typing position record strips interleaved with a transfer strip; a wind-up spool journalled in said compartment to receive a record strip advanced beyond the platen; means for driving said take-up roll in timed relation to the rotation of the platen roll; and means on said wind-up spool for restraining the record strip from retraction into typing position.

2,074,098
ROCKET AIRSHIP
Herbert Luther Adams, Washington, D. C.
Application August 23, 1932, Serial No. 630,126
4 Claims. (Cl. 244—52)



2. A propulsion device for aircraft comprising, a combustion chamber having a wall formed with

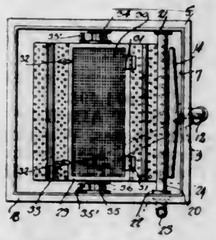
an opening, means for discharging a combustible mixture into said chamber, an igniting device extending through said opening, an expansion chamber connected with the combustion chamber to receive the products of combustion therefrom, means for slidably withdrawing the igniting device from said opening, and means for closing said opening upon the withdrawal of the igniting device.

2,074,099
RESILIENT WING MOUNTING AND FRAMING
Herbert Luther Adams, Washington, D. C.
Application November 22, 1932, Serial No. 644,565
8 Claims. (Cl. 244—47)



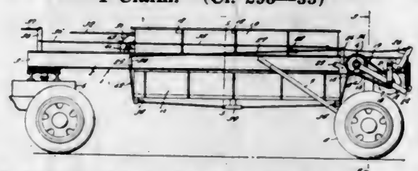
1. In a flying machine, a lower fuselage frame member and a pair of upper fuselage frame members converging rearwardly, a pair of outwardly converging wing frame members hinged to and projecting laterally from each of said upper fuselage frame members, and a pair of wing struts hinged to the lower fuselage frame members and each projecting laterally therefrom in converging relation to a pair of said wing frame members, each of said struts including a pair of resiliently connected telescoping parts.

2,074,100
PHOTOGRAPH AND FILM WASHING MACHINE
Leo A. Bonish, Detroit, Mich.
Application April 29, 1935, Serial No. 18,898
1 Claim. (Cl. 95—93)



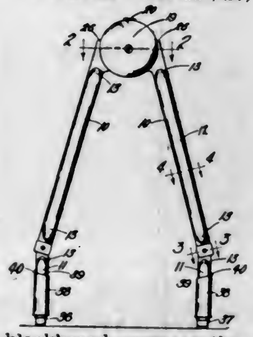
A photograph and film washing machine comprising a receptacle, a rotary drum having a perforated peripheral wall mounted within the receptacle, longitudinal vanes projecting outwardly of the peripheral wall of the drum and of the same length as the drum, an overflow pipe for the receptacle having one end entering the side wall of the receptacle adjacent its upper end, a water inlet pipe extending longitudinally of the receptacle at the side thereof adjacent the overflow pipe with the ends supported in the walls of the receptacle and substantially in the horizontal plane of the overflow pipe to project a spray of water tangentially downwardly to the rotary perforated drum and in impelling contact with the vanes and a drain pipe at the lower end of the receptacle.

2,074,101
DUMP TRAILER
Claud Carlisle, Longview, Tex.
Application June 5, 1935, Serial No. 25,156
1 Claim. (Cl. 298—35)



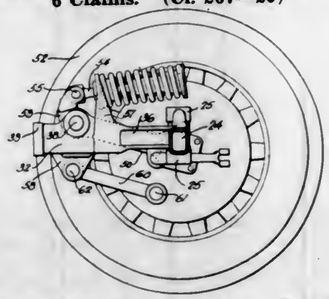
A trailer of the class described comprising a frame, supporting wheels for said frame, a body mounted in said frame, said body including a pair of hinged bottom doors, a shaft journaled in said frame, a drum fixed on said shaft, a cable operatively connected to the doors and connected to said drum for winding thereon for actuating the doors to closed position and for securing said doors in closed position, a substantially U-shaped hanger mounted for swinging movement on the shaft, a pulley journaled in said hanger, means operatively connecting the shaft to said pulley for actuation thereby for winding the cable on the drum for closing the doors, means for releasably securing the shaft against retrograde rotation, and means for frictionally engaging the pulley with one of the wheels for actuation thereby, the last-named means including a bell crank lever pivotally mounted on the frame, links operatively connecting one end portion of said bell crank lever with the hanger for engaging the pulley with said one wheel when said bell crank lever is actuated in one direction, and a spring operatively connecting the other end portion of the bell crank lever to the hanger for actuating said bell crank lever in the opposite direction and for disengaging the pulley from said one wheel.

2,074,102
BLACKBOARD COMPASS
Elmer W. Christy, Cincinnati, Ohio
Application June 20, 1935, Serial No. 27,556
5 Claims. (Cl. 33—27)



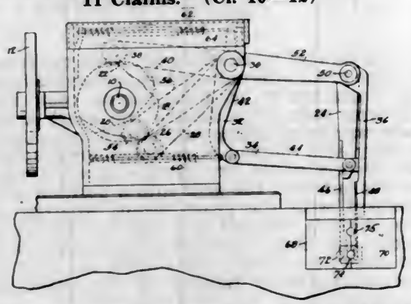
1. In a blackboard compass the combination of a pair of sheet metal stampings each comprising integral portions further comprising closely spaced parallel hinge leaves connected together along an edge thereof, an integral double washer adapted to straddle the interfitted leaves of said pair of stampings, and a pivot member seating in one side of the double washer and threadedly connected to the other whereby the frictional binding of the leaves and said washer members is adjusted.

2,074,103
SHOCK ABSORBING SUSPENSION
William A. Chryst, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 22, 1934, Serial No. 740,925
6 Claims. (Cl. 267—20)



1. In a device of the character described, the combination with the frame of a vehicle; a hydraulic shock absorber comprising a housing providing a cylinder in which a piston forms fluid displacement chambers, said housing having an extension hinged to the frame; a shaft oscillatably carried by the shock absorber housing and having a member for operating the piston; an arm attached intermediate its ends to said shaft, one end of said arm providing a spindle for supporting a wheel of the vehicle; a lug extending from the shock absorber housing; a rod pivotally attached to the end of the arm opposite the spindle, said rod extending through an opening in the lug; and a coil spring about the rod, engaging the lug and an abutment member carried by the rod.

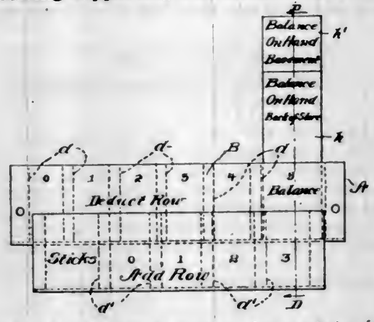
2,074,104
BLANK TURNING AND TRANSFER MECHANISM
William W. Criley, Cleveland, Ohio
Application September 13, 1933, Serial No. 689,227
11 Claims. (Cl. 10—12)



1. In an upsetting machine the combination of a pair of gripper dies having work stations, a heading tool coacting with said dies, opening and closing transfer fingers for transferring work pieces between said stations and means independent of the heading tool for moving the fingers to the open position, said heading tool moving in between said fingers when said fingers are in their open position.

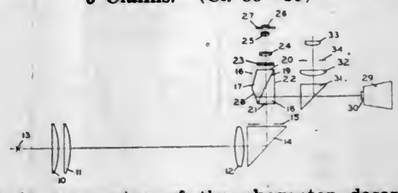
2,074,105
FILE AND RECORD SYSTEM
Henry Clement Dauphinais, Valley City, N. Dak.
Application July 6, 1933, Serial No. 679,158
1 Claim. (Cl. 40—124)

In a filing and recording system for maintaining records of stock of vended articles of merchandise and in which tally strips or sticks are removably and interchangeably arranged in holders conveniently located with respect to the stock to be sold, the stock delivered to a customer and the supply of such stock; including a casing having a flat back portion whose ends are apertured for receiving supporting elements, receptacles on



the front of said back portion for certain of the tally strips or sticks, said receptacles having a depending front wall and lower tally receptacles integrally formed on the outer face of said depending wall and said lower receptacles varying in width and certain of which are disposed to bridge certain of the upper receptacles, and both the upper and lower series of receptacles being in longitudinal alignment.

2,074,106
METALLOGRAPHIC ILLUMINATING SYSTEM AND PRISM THEREFOR
Leon V. Foster, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 28, 1935, Serial No. 8,677
6 Claims. (Cl. 88—39)



2. An apparatus of the character described comprising means for illuminating an object with polarized light, a microscope objective for forming an image of said object, and a polarizing prism, said prism having means for separating the light received from said object through said objective into ordinary and extraordinary rays and means for directing the ordinary ray to the image plane of said objective.

2,074,107
ADJUSTABLE FASTENING DEVICE
Percy Gardner, New York, N. Y., assignor to Lever Bias Machine Corporation, New York, N. Y., a corporation of New York
Application December 8, 1934, Serial No. 756,709
1 Claim. (Cl. 287—119)

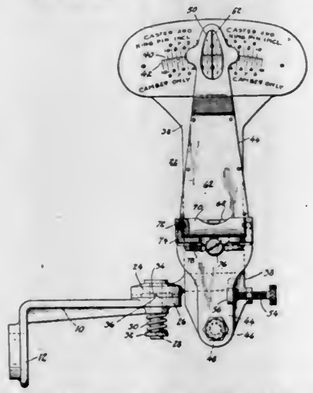
An adjustable fastening device which comprises a tubular member having holes therein, a block fastened within said tubular member, pivoted latch bars on said block, teeth or projecting portions on one end of said bars and adapted to be projected through the holes to engage with a

sleeve slipped over the tubular member, a rod axially slidable within the tubular member and through a bore in said block, spaced blocks fastened to said rod on opposite sides of said fixed block and having wedge shaped surfaces disposed on adjacent faces, the ends of said latch bars being bevelled and adapted to be engaged by the respective adjacent wedge shaped surface as the rod is moved in one direction or another whereby



the teeth on the bars will be projected or retracted to said holes, a plug fastened in the end of the tubular member and having an interior threaded bore, and an operating bushing fastened to the projecting end of said rod and having an exterior threaded portion to engage said threaded bore whereby the turning of said bushing in one direction or another will slide the rod axially in one direction or another.

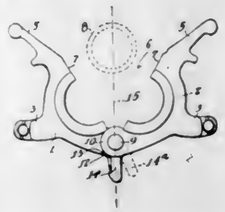
2,074,108
WHEEL ALIGNER
George M. Graham, Detroit, Mich., assignor to Hinckley-Myers Company, Jackson, Mich., a corporation of Michigan
Application December 23, 1935, Serial No. 55,690
14 Claims. (Cl. 33—203)



1. A wheel measuring device for testing wheel alignment comprising, in combination, a gauge plate, a support for attaching said gauge plate to a spindle of a vehicle wheel, a member carried by said gauge plate and swingable over a face thereof, a bubble level carried by said member, means for adjusting said member relative to said gauge plate, means pivotally connecting said gauge plate to said support under tension of a spring, said connecting means including means for releasably locking said gauge plate in certain positions of its pivotal movement at right angles to one another.

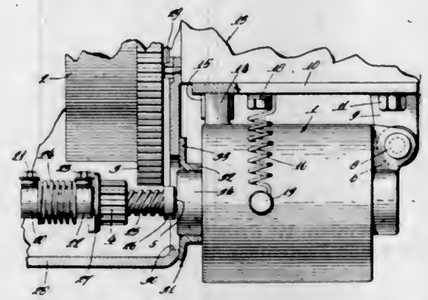
2,074,109
SPLIT COLLAR TYPE ELEVATOR
Herbert E. Grau, Vernon, Calif., assignor to Byron Jackson Co., Los Angeles, Calif., a corporation of Delaware
Application January 10, 1936, Serial No. 58,473
8 Claims. (Cl. 294—90)

1. In an elevator, the combination of a pair of pipe encircling members having a hinge connection between the same at the rear, enabling said members to swing open at the front to encircle the pipe, stop-means associated with the hinge connection for stopping the members in



their open position, and a handle carried by said elevator adjacent the hinge connection, said handle located so that in the open position of the elevator it projects rearwardly from the same.

2,074,110
AUTOMATIC STARTER FOR INTERNAL COMBUSTION ENGINES
Otto Gruenberger, Milwaukee, Wis.
Application January 28, 1935, Serial No. 3,743
4 Claims. (Cl. 74—7)

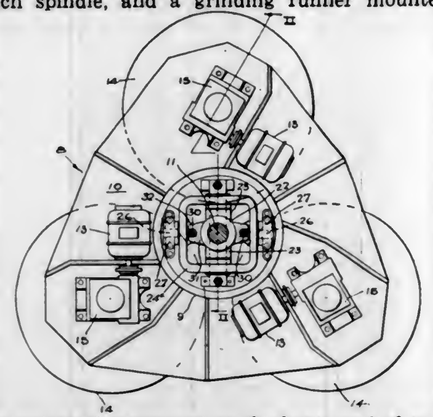


1. Apparatus for starting a rotary machine of the type of an internal combustion engine having a gear adapted to drive the engine, comprising: a driving pinion for driving the gear; a drive shaft; means mounting said pinion on said shaft whereby said pinion is movable longitudinally with respect to its axis from a position out of engagement with the gear into a position in engagement with the gear; means whereby said drive shaft is adapted to cause rotation of said pinion; and means mounting said shaft so that said pinion is movable away from the gear in a direction generally radially of the latter upon overload.

2,074,111
SURFACING MACHINE FOR PLATE GLASS
Herman S. Heichert, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application June 23, 1936, Serial No. 86,784
2 Claims. (Cl. 51—120)

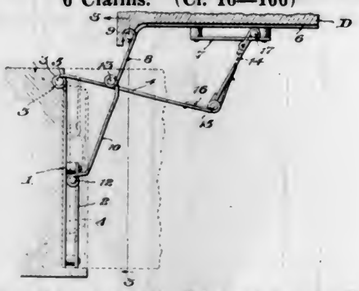
1. In combination in a plate glass grinding machine, an upright drive spindle, a platform secured to the lower end of the spindle with a universal joint permitting the platform to rock freely in all directions, a plurality of vertical work spindles projecting downwardly through the platform, a motor for each work spindle

mounted on the platform in driving relation with such spindle, and a grinding runner mounted



for universal movement on the lower end of each of the work spindles.

2,074,112
DOOR HINGE
Frank G. Homan, Lincoln County, S. Dak.
Application January 25, 1936, Serial No. 60,856
6 Claims. (Cl. 16—166)



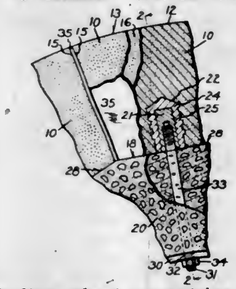
4. In a hinge, a pair of leaves, a pair of arms, pivoted to one another intermediate their ends and pivotally connected at one of their ends to the adjacent ends of the leaves, means to movably connect the other end of one of the arms to the adjacent leaf, and a control device interposed between the other end of the other arm and the other leaf and movably connected to said other end of the other arm, means to movably connect the control device to said other leaf, and means to tension the device.

2,074,113
THUMB OR FINGER GUARD
Gertrude M. Hovey, Kansas City, Mo.
Application September 7, 1935, Serial No. 39,568
4 Claims. (Cl. 128—133)



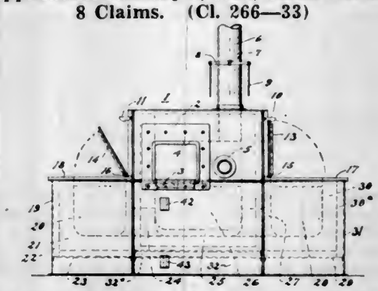
4. A guard of the character described comprising a body of pliable sheet material such as leather, adapted to encase the thumb of the wearer, having a longitudinally extending slit formed inwardly from one end thereof, and having a series of holes formed therein along each longitudinal edge respectively thereof on each side of said slit; a strip of material having an end secured to the body on each side of said strip and formed to present a wrist-encircling member when the guard is in place; and a lace threaded through said holes, said slot being closer to one longitudinal edge of the body than the other whereby to form panels thereon of unequal width, the wider panel extending from a position over a portion of the palm of the hand of the wearer to a central longitudinal line along the back of the thumb whereby the line of lace is along the back center of the thumb.

2,074,114
SEGMENTAL GRINDING WHEEL
Thure Larsson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 18, 1935, Serial No. 17,039
9 Claims. (Cl. 51—206)



1. A grinding wheel comprising a plurality of bonded abrasive segments secured together in the form of an abrasive annulus, a rotatable central support therefor and an anchoring device for each sector including an elongated elastic tension member which compensates for expansion and contraction within the wheel due to temperature changes, means at one end of the tension member which is embedded within a segment and integrally secured thereto and means to individually and removably secure the other end to the central support whereby each segment may be removably fastened in grinding position.

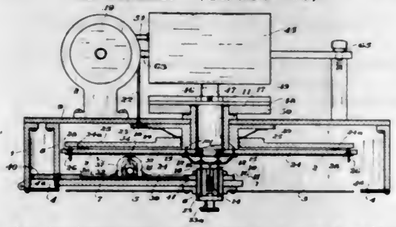
2,074,115
MELTING FURNACE
John J. Mader, Parma, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 3, 1935, Serial No. 256
8 Claims. (Cl. 266—33)



1. A metal melting furnace for non-ferrous metals having a melting chamber, means for

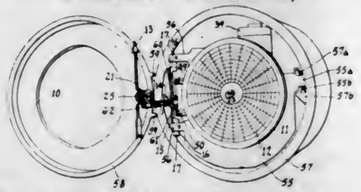
supplying heat to said chamber including a burner adapted to impinge a flame against a wall of the melting chamber, said furnace having an opening located in a wall opposite to the first-named wall of the melting chamber for the supplying of metal to the melting chamber, and means for supporting a supply of metal to be fed to the furnace in a position adjacent to the stated opening so that such metal is subjected to radiant heat from the interior of the furnace.

2,074,116
EXHIBITING INSTRUMENT
Irving M. Stein, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 9, 1933, Serial No. 692,803
15 Claims. (Cl. 234—70)



3. An instrument comprising a mark exhibiting means, a support therefor, a rigid arm supported adjacent the edge of said means and extending in front thereof and at least to its center, means loosely mounted on said arm and bodily movable with respect thereto into and out of pressing engagement with said exhibiting means, and an element cooperatively associated with said exhibiting means and supported on said arm for movement with respect to said mark-exhibiting means.

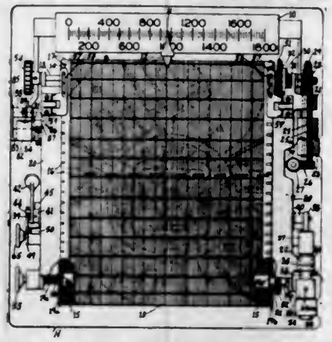
2,074,117
EXHIBITING INSTRUMENT
Raymond W. Ross, Philadelphia, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 17, 1934, Serial No. 740,260
18 Claims. (Cl. 234—1)



5. An instrument comprising an element movable in response to changes in magnitude of a condition, movable exhibiting structure, a pivotally mounted member for carrying said structure, and a driving system for transmitting motion of said element to said structure having a portion carried by said member and connected to another portion substantially in the pivotal axis of said member.

2,074,118
RECORDER
Raymond W. Ross and Sigurd H. Seberhagen, Philadelphia, Pa., assignors to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 8, 1934, Serial No. 714,546
21 Claims. (Cl. 234—70)

1. Recording apparatus comprising a housing, a marker, a unit comprising an actuating mechanism disposed in said housing and pivoted with respect thereto, a driving connection between said mechanism and said marker, and a second unit



comprising a chart and driving mechanism therefor, pivoted within said housing for movement relative to said first-named unit.

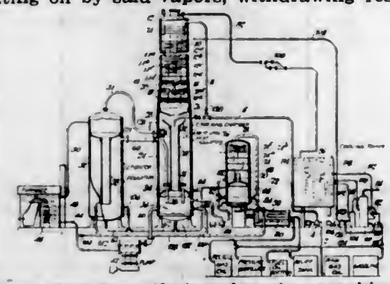
2,074,119
GARMENT
John A. Boysen, Rutherford, N. J., and Val E. Raddatz, Woodhaven, N. Y., assignors to Robert Reis & Co., New York, N. Y., a corporation of New York
Application May 7, 1936, Serial No. 78,300
6 Claims. (Cl. 66—175)



1. An undergarment constituted of a plurality of sections of a fabric material, two sections of such material comprising knitted material having a capacity of stretching in at least two directions, one of such sections being adapted to overlie the abdominal region of the wearer and the other of said sections adapted to overlie the region of the small of the back of the wearer, two sections joined to the lower edges of said first named sections and formed of a non-stretchable material and a section of reinforced character but formed of non-stretchable material connected to said intermediate sections and constituting the crotch portion of the garment.

2,074,120
PROCESS AND APPARATUS FOR PRESSURE DISTILLATION
David G. Brandt, Westfield, N. J., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Application July 23, 1926, Serial No. 124,320
4 Claims. (Cl. 196—48)

2. The method of treating a relatively heavy hydrocarbon oil to produce a relatively light hydrocarbon therefrom comprising heating said relatively heavy hydrocarbon to cracking temperature while under pressure, removing said heated hydrocarbon from the heating conditions and permitting it to crack under insulating conditions from heat previously stored therein, distilling a portion of said cracked hydrocarbon to produce a gas oil and a fuel oil, dephlegmating vapors produced by said cracking reaction, preheating oil by said vapors, withdrawing residual



hydrocarbon from that undergoing cracking and mixing it with additional hydrocarbon for heating to continue the process, the mixtures so formed comprising 10% of stock preheated by the vapors undergoing dephlegmation, 20% of liquid reflux obtained by dephlegmating said vapors, and 10% of said gas oil derived by distillation from previously cracked material.

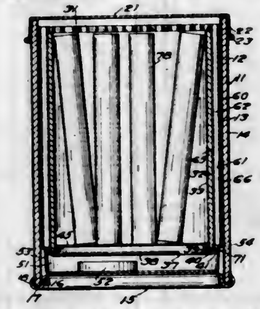
2,074,121
SHOE
William H. Goodyear, Carlisle, Pa., assignor to G. R. Kinney Co., Inc., New York, N. Y., a corporation of New York
Application August 11, 1936, Serial No. 95,403
2 Claims. (Cl. 36—22)



1. A welt shoe construction comprising an insole provided with a lip, an upper secured to the insole, and an outsole, a flexible and yieldable filler between the insole and the outsole, a multiplicity of perforations in the insole in an area thereof adjacent the ball of the foot of a wearer, and a plurality of slashes in the lip at opposite sides of the perforated area.

2,074,122
HUMIDOR
Robert E. Harris, Fort Thomas, Ky., assignor to The Cin-Made Corporation, Cincinnati, Ohio, a corporation of Ohio
Application April 2, 1935, Serial No. 14,287
6 Claims. (Cl. 131—30)

4. A humidor comprising a container and a receptacle therein, said container and said receptacle having side walls having a space therebetween and bottoms which have a space therebetween, the bottom of said receptacle being perforate, a tray located in said last-named space and having an upwardly extending marginal side, and a separator in said first-named space secured to said receptacle and provided with air passages extending lengthwise of said receptacle, said air passages communicating through said second-named space with the perforations in said bottom of said receptacle, said separator having attachment to said receptacle for being removed therewith from said container to permit removal of said tray from said container, said separator resting on said side of said tray to form the sole vertically acting support for said receptacle when



said receptacle is in said container, the lower end of said receptacle extending into said tray, and a lid for said container spaced from the upper end of said receptacle, the upper ends of said passages opening into said container under said lid.

2,074,123
FOLDING TABLE
Alden B. Jackson, Fort Wayne, Ind.
Application July 29, 1935, Serial No. 33,761
1 Claim. (Cl. 311—82)

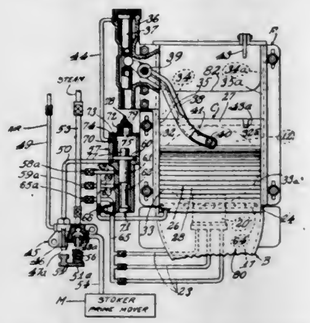


Locking means for a leg operating lever of a table, said table having a top, legs pivoted to the top, and an operating lever connected to a leg and pivoted to the top for oscillating movement in a plane parallel to the plane of the top, said locking means comprising a latch having a perforated end, a beveled face on the latch, a finger extending from the unperforated end of the latch, a shoulder connecting said finger and said beveled face, a perforated U-shaped clip having its legs straddling the perforated end of the latch, and a fastener passing through the perforation of the clip, passing loosely through the perforation of the latch and into the table top for securing the clip thereto, the bight portion of the clip being spaced from the table top a distance greater than the thickness of the perforated end of the latch whereby the beveled face of the latch may gravitate into the path of the operating lever when the table is in position for use.

2,074,124
COMBINED STOKER AND FIRE DOOR
Paul A. Ketchpel, West Englewood, N. J., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Original application October 6, 1931, Serial No. 567,215. Divided and this application October 18, 1933, Serial No. 694,021. In Canada September 21, 1933
9 Claims. (Cl. 110—101)

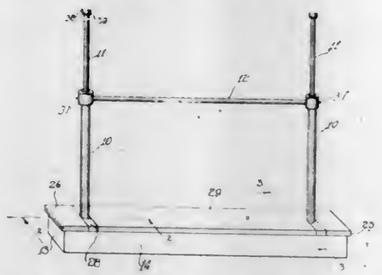
7. In a firebox having a wall provided with a firing opening therein, a casing communicating with said firing opening, means for delivering fuel to the firing opening through said casing, said casing having an aperture therein opposite the firing opening, a door arranged to form a closure for said aperture, means for opening said door

and mechanism for rendering the fuel delivery means inoperative, said mechanism being ar-



ranged to render said door opening means operative thereafter.

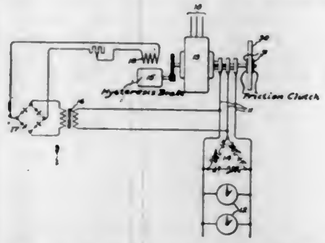
2,074,125
GOAL POST
Joseph Lefft and Lester Fischer, Brooklyn, N. Y.
Application April 2, 1936, Serial No. 72,260
7 Claims. (Cl. 273—55)



1. In a device of the class described, a pair of opposed, spaced apart extensible vertical members, an elongated casing, means disposed at opposite ends of the casing for supporting the vertical members, a horizontal cross bar extending between the vertical members, said cross bar being normally suspended substantially midway between the ends of the vertical members when the latter are in their extended position, and releasable means for maintaining the extensible portions of the vertical members and the cross bar in an elevated position, said means comprising a removable pin passing through the vertical members and the terminals of the cross bar.

2,074,126
FREQUENCY REGULATING SYSTEM
Milton S. Mead, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 12, 1935, Serial No. 31,040
9 Claims. (Cl. 172—281)

1. In combination, a source of alternating current, an induction motor of the wound secondary type having its primary connected to said source, a frequency-responsive electrical load supplied from the secondary of said motor, and means for producing a mechanical load on said motor which is responsive to and proportional to the secondary voltage of said motor, said frequency-responsive electrical load and said voltage-responsive mechanical load serving to control the speed of said induction motor such that its secondary frequency is substantially

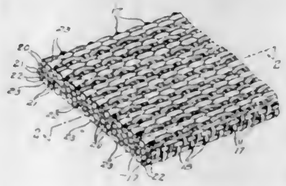


constant and of a value which is a major fraction of the average value of its primary frequency.

2,074,127
METHOD OF PRODUCING NITROSO-PHENOLS
Wendell W. Moyer, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application January 3, 1936, Serial No. 57,367
3 Claims. (Cl. 260—69)

1. The method of preparing a nitroso-phenol compound, which comprises subjecting a phenol free from reactive substituents to the action of NOCl in an aqueous medium.

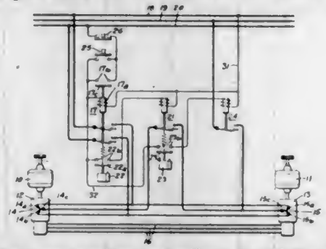
2,074,128
WOVEN FRICTION LINING
William Nanfeldt, Clifton, N. J., assignor to World Bestos Corporation, Paterson, N. J., a corporation of Delaware
Application April 29, 1931, Serial No. 533,631
Renewed July 11, 1936
6 Claims. (Cl. 28—1)



1. In a woven friction material a plurality of layers of fabric formed of hard short fibre asbestos yarn and a plurality of binder threads formed of soft, asbestos containing, long fibre yarn holding said fabric layers together, said soft yarn being absorbent relative to the hard yarn whereby impregnating fluids may be freely carried into the body of the lining.

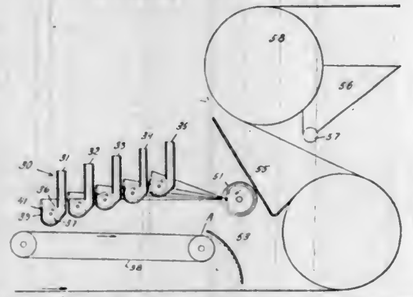
2,074,129
SYNCHRONIZING CONTROL SYSTEM
Leo M. Nowacki, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 4, 1936, Serial No. 57,588
6 Claims. (Cl. 172—293)

1. In combination, a polyphase source of power, a pair of dynamo-electric machines each having a pair of inductively related windings, electrical connections between a winding of one of said machines and a winding of the other of said machines, means for supplying single phase power to a portion of each of the other windings of said machines comprising means for connecting said winding portions to one phase of said source,



means for connecting another portion of each of said last-mentioned windings together independently of said source, and means for supplying polyphase power to said last-mentioned windings.

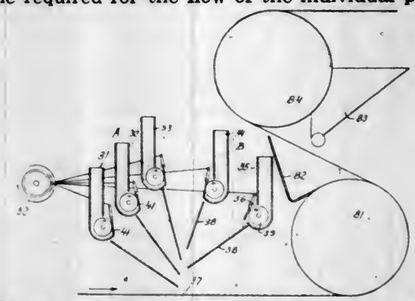
2,074,130
PROCESS AND APPARATUS FOR SURFACING ROOFING
Benjamin S. Penley, Yeadon, Pa., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application October 26, 1933, Serial No. 695,311
16 Claims. (Cl. 91—43)



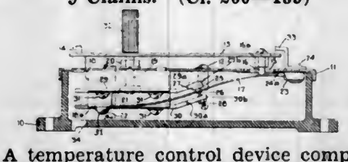
7. The process of surfacing roofing which comprises feeding a roofing sheet longitudinally, successively feeding from a plurality of sources of differently colored granular material a plurality of differently colored streams of such material extending transversely with respect to said sheet and applying said transversely extending streams to said sheet, thereby forming differently colored transverse stripes thereon, the color of each of which stripes is the same as the color of one of said sources.

2,074,131
PROCESS AND APPARATUS FOR SURFACING ROOFING
Benjamin S. Penley, Yeadon, Pa., and Richard A. Holdsworth, Bayside, N. Y., assignors to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application October 26, 1933, Serial No. 695,312
14 Claims. (Cl. 91—43)

4. Surfacing apparatus for roofing material comprising means for moving a roofing sheet, a plurality of stationary sources of differently colored grit and means for intermittently and successively flowing differently colored grit streams from said sources directly onto said moving sheet, said means for successively flowing differently colored grit streams being arranged with respect to the path of movement of the sheet so that the time required for the flow of the individual particles of each stream from their source to said sheet is substantially the same.



2,074,132
TEMPERATURE CONTROL DEVICE
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 14, 1934, Serial No. 735,226
9 Claims. (Cl. 200—139)



1. A temperature control device comprising a thermostat arranged to move between a pair of controlling positions in response to changes in temperature, a spring, means supporting said spring to give it a predetermined curvature from which it tends to move to a predetermined position in one direction and resists movement from said position toward a second predetermined position of reverse curvature up to a critical position from which it will snap to said second position of reverse curvature, the resistance of said spring to movement from said first position to said critical position decreasing as said spring approaches said critical position, means limiting the movement of said spring between predetermined limits lying within its range of movement between said first position and said critical position, and means operably associating said spring with said thermostat so that said spring resists movement of said thermostat in response to a temperature change from one of said controlling positions to the other with a force that continually decreases as the thermostat moves from said one to said other position and to apply to said thermostat a force of continually increasing magnitude while said thermostat returns to said one position in response to a reverse temperature condition.

2,074,133
FASTENER DEVICE FOR A BAG
Matthias Rodin, Paris, France, assignor to Hyman Gordon Kates, New York, N. Y.
Application December 18, 1935, Serial No. 55,003
In France March 4, 1935
1 Claim. (Cl. 292—137)

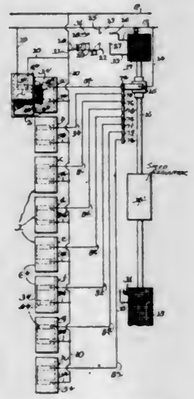
A fastener device for a bag comprising two cooperating closure members, a plurality of elongated slotted tubular members secured in horizontal alignment to each of said closure members, said tubular members on each closure member being longitudinally spaced to receive

therebetween tubular members on the other closure member when the closure members are brought together, a flexible bolt member slidably disposed in one of said tubular members and slidable through the other tubular members to secure the closure members together, operating means secured to said bolt member adjacent one end thereof and protruding laterally through the



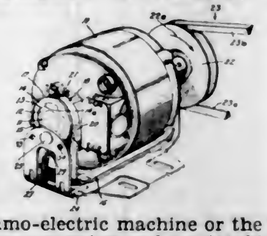
longitudinal slot in said tubular members for moving said bolt member to the closed position, an operating element secured adjacent the other end of said bolt member for withdrawing the same to the open position, and means on one end of said bolt member extending through one of the end tubular members when the bolt member is in the closed position for receiving means for locking the bolt member.

2,074,134
THRUST MOTOR
Eugene S. Taylor, Chicago, Ill.
Application June 5, 1935, Serial No. 25,018
8 Claims. (Cl. 172—290)



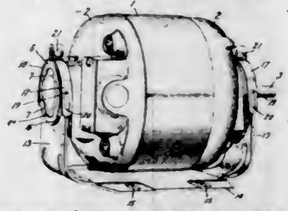
1. A thrust motor comprising relatively movable members co-acting by electromagnetic stresses set up in each member, said members comprising electromagnetic elements so arranged that an element of a member is opposite to an element of the other member for mutual coaction, all elements being alike in construction, each element comprising a magnetizable core having spaced poles in the same plane, an energizing coil on a portion of said core and being so wound as to give one of said poles a given polarity and another of said poles an opposite polarity, the planes of the poles of the elements of said members being parallel and adjacent to each other, certain of said poles of said elements in said members being elongated and in said planes, said elongated poles being so disposed that the elongated poles of the element of one member are at an angle to the elongated poles of the element of the other member.

2,074,135
MOTOR MOUNTING
Wilbur W. Warner, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 15, 1934, Serial No. 753,112
26 Claims. (Cl. 74—242.9)



1. A dynamo-electric machine or the like having a stationary member and a rotatable member provided with a flexible frictional driving connection adapted to exert a displacing force on said machine, and means supporting said machine and utilizing a displacing force exerted on said machine by said driving connection for increasing the friction in said driving connection, said means including a pivotal support for said stationary member having a pivotal axis parallel to the rotational axis of said rotatable member and lying in the area between the line of action of the greatest displacing force exerted on said machine by said driving connection and a plane passing through the axis of rotation of said rotatable member and the center of contact of said driving connection, said pivotal axis being located at a greater distance from said line of action of said greatest displacing force than from said axis of rotation of said rotatable member.

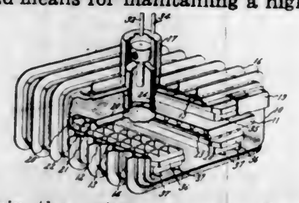
2,074,136
RESILIENT MOUNTING
Alfred F. Welch, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application May 25, 1934, Serial No. 727,432
10 Claims. (Cl. 248—26)



1. A dynamo-electric machine or the like having a rotatable member and a stationary member provided with a hub, an annulus of resilient material fitted on said hub, a metal band secured to the outer surface of said annulus and joined thereto, said metal band having a circumferential groove therein, and means utilizing torsional resistance of said annulus of resilient material and including a support having edges engaging the groove in said metal band for absorbing torsional vibration of said machine and for resiliently supporting said machine.

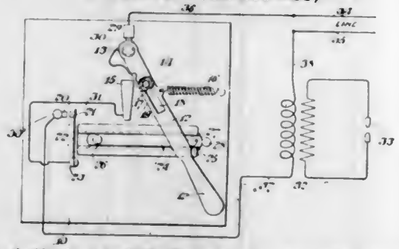
2,074,137
EVAPORATOR
Harry A. Whitesel, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application December 1, 1932, Serial No. 645,255
9 Claims. (Cl. 62—126)

1. A cooling unit for refrigerators comprising two evaporators one within the other and spaced apart, and means for maintaining a higher pres-



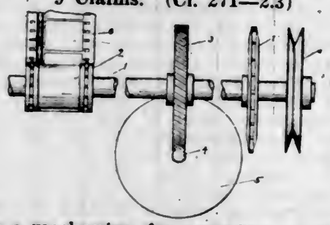
sure within the outer evaporator than within the inner evaporator during normal operation.

2,074,138
TIMING SWITCH FOR WELDING
John C. Whitesell, Jr., Norristown, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 29, 1932, Serial No. 608,193
Renewed April 30, 1934
7 Claims. (Cl. 200—33)



2. A timing switch for electric welding circuits comprising a pivoted actuating member, motor means for moving said actuating member through substantially a given angular movement in substantially a given time for each operation, a stationary contact decreasing in width as it extends away from the pivotal axis of the actuating member, a movable contact member mounted on the actuating member to sweep over the stationary contact in the direction of width of the latter, and means for adjusting the position of the movable contact on the actuating member radially of the pivotal axis of the actuating member.

2,074,139
FILM FEEDING DEVICE
Charles S. Adler, New Brunswick, N. J., assignor to Henry P. Massey, Montclair, N. J.
Application December 4, 1934, Serial No. 755,891
9 Claims. (Cl. 271—2.3)



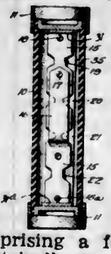
1. In a mechanism for recording or reproducing sound in which the sound record is formed on an elongated ribbon of light sensitive film and of inconsiderable mass and having a point of translation, means for progressing the ribbon past said point of translation including a rotating toothed sprocket, said ribbon being provided with spaced recesses to engage the teeth of said sprocket and ribbon progressing speed governing means including; the combination with a shaft operating at comparatively low rotative speed for driving said sprocket, of low inertia means of comparatively high rotative speed for damping speed variations of said sprocket and screw gear connecting means between said sprocket and said low inertia means, whereby the low inertia means and the sprocket are maintained in positive and continuous operative engagement.

2,074,140
UPKEEP OF NONPOROUS GLOVES
Lester N. Bates, Fremont, Ohio
Application July 17, 1936, Serial No. 91,175
1 Claim. (Cl. 223—61)



Drying apparatus for rubber gloves comprising a mounting adapted to support a distended rubber glove and having a wristband-distention-and-sealing portion providing a seat for the glove terminating in an endless rim to engage and hold the glove wristband against slipping free thereof due to pull of distention pressure, said mounting outside having a port spaced back from the mounting terminus-side of the rim adapted to deliver inflation fluid into the glove wristband pulled back thereover from the rim, whereby the release of such pulled over portion closes the distended glove from said port, said inflation being thereafter retained by clinging of the glove to the seat, deflation of which glove is effected by the release of the glove wristband from said mounting.

2,074,141
MULTIPLE FUSE CONTROL MECHANISM IN COMBINATION WITH THERMOPROTECTIVE SIGNAL SYSTEM
Abel U. Broune, Brooklyn, N. Y.
Application April 9, 1936, Serial No. 73,400
21 Claims. (Cl. 200—113)

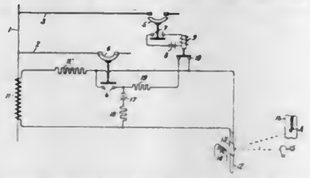


1. A fuse, comprising a fusible strip having spaced apart electrically weakened areas and a bi-metal expansible strip secured to the fusible strip, overlying one surface of the said strip and shunting some of the said weakened areas.

2,074,142
RECORDING INSTRUMENT
Roy C. Buell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 30, 1932, Serial No. 589,884
15 Claims. (Cl. 234—1.5)

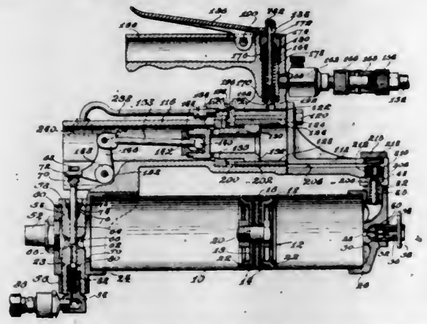
1. In combination with a current responsive oscillograph element, means for passing a current

through said element representative of a quantity, the values of which are to be continuously recorded, a source of direct current having a sub-



stantially fixed voltage and means for impressing said voltage on said element upon the occurrence of an isolated event to be recorded.

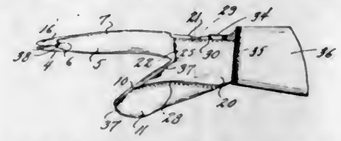
2,074,143
LUBRICATING APPARATUS
Ernest W. Davis, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application January 12, 1934, Serial No. 706,351
21 Claims. (Cl. 221—47.3)



1. A high pressure lubricant compressor comprising a high speed reciprocating air motor, said air motor comprising a piston and cylinder, a connecting rod secured to said piston by a lost motion connection, a pivotally mounted bell crank having one arm thereof pivotally connected to the end of said connecting rod and having a detachable connecting element upon the other arm thereof; and a lubricant reservoir having a high pressure pumping mechanism connected thereto, said pumping mechanism including a plunger, said plunger having an opening therein engageable with said detachable connecting element on said bell crank for operation thereby.

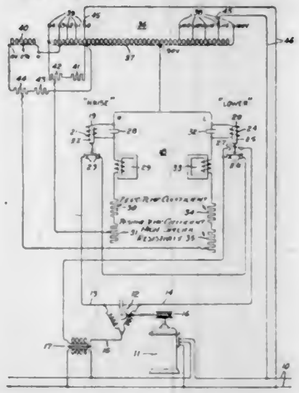
2,074,144
HAND COVERING
Carl L. Dunn, Trion, Ga., assignor to The Trion Company, Trion, Ga., a corporation of Georgia
Application March 16, 1936, Serial No. 69,181
2 Claims. (Cl. 2—169)

1. A hand covering having a facing unit comprising a palm part provided with an index finger and a thumb forming member, said thumb forming member and index finger blank extending approximately at right angles to each other, said parts each being terminally notched providing major back portions and palm portions for the index finger and the thumb, the thumb back being completed by a wedge-like member connecting the side edges of the thumb member, said wedge-like member increasing in width toward the base of the thumb and provided with an integral widened base forming a part of the glove back, the seams connecting the wedge-like member, and the thumb being located at the



crotch side of the thumb and back side only, whereby the thumb presents a seamless front and substantially seamless back.

2,074,145
ELECTRIC CIRCUIT CONTROL MEANS
Anson A. Emmerling, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 10, 1935, Serial No. 30,629
24 Claims. (Cl. 171—119)

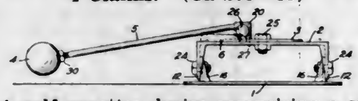


1. In combination, an electric circuit, a non-linear resonant circuit, and voltage adjusting means interconnecting said circuits and adjustable so as to impress substantially the same voltage on said non-linear circuit for a plurality of different values of voltage of said electric circuit with the same connections between said non-linear circuit and said voltage adjusting means.

14. In combination, an electric motor having two energizing circuits for selectively determining the direction of rotation of said motor, a pair of relays each comprising a winding and a pair of contacts for selectively controlling the energization of said energizing circuits, two non-linear resonant circuits respectively connected to energize a different one of said relay windings, the pair of contacts of one of said relays being connected in series relation with one of said energizing circuits and the pair of contacts of the other of said relays being connected in series relation with the other of said energizing circuits, and an additional pair of contacts for said other relay connected in series relation with the contacts of said one relay, one of said energizing circuits of said motor being completed through a pair of contacts on each of said relays when said relays are in the same corresponding operating positions.

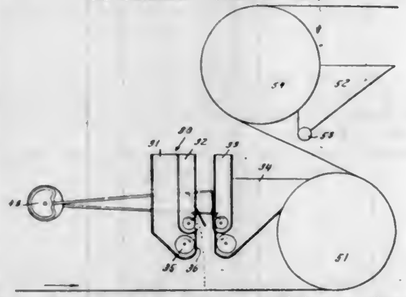
16. A non-linear resonant circuit comprising a capacitance, a saturable inductance and a resistance, a portion of the total effective resistance of said circuit comprising a resistance element of negligible temperature coefficient of resistance.

2,074,146
GOLF PRACTICE DEVICE
Frank B. Hewel, Pittsburgh, Pa.
Application June 30, 1934, Serial No. 733,180
4 Claims. (Cl. 273—35)



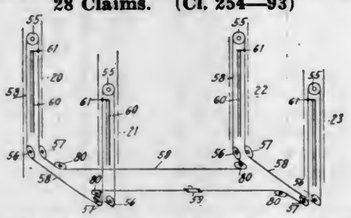
1. A golf practice device comprising a support, a secondary support pivotally secured to said support adapted to tilt relative thereto, means for retaining said secondary support in a selected tilted position, a rotatable platform attached to said secondary support, and a ball having a horizontal pivotal connection with said platform.

2,074,147
PROCESS AND APPARATUS FOR SURFACING ROOFING
Richard A. Holdsworth, Bayside, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application October 26, 1933, Serial No. 695,313
10 Claims. (Cl. 91—43)



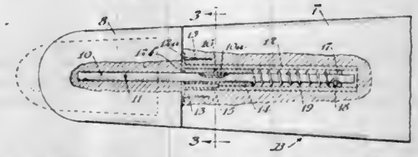
5. Surfacing apparatus comprising a plurality of stationary hoppers containing granular material of different characteristics and all arranged to separately feed streams of granular material therefrom, means for initiating flow of a stream from one of said hoppers, means for interrupting the flow of said stream, means for successively initiating flow of a stream from another of said hoppers and interrupting the flow of said last named stream whereby said streams flow successively and not simultaneously from said hoppers and means for feeding a roofing sheet beneath said hoppers whereby said streams fall directly in substantially vertical planes from said hoppers onto said roofing sheet.

2,074,148
MULTIPOST LIFT
Ion Von Kert Hott, Dayton, Ohio, assignor to The Joyce-Cridland Company, Dayton, Ohio, a corporation of Ohio
Application August 15, 1935, Serial No. 36,377
28 Claims. (Cl. 254—93)



18. In a multi-post lift, a plurality of separately movable lifting elements, a load supporting structure carried by said lifting elements, means for supplying power simultaneously to said lifting elements, guides carried by the respective lifting elements, a cable extending about said guides, and means for controlling the movement of said cable to cause it to resist the movement of one lifting element with relation to another lifting element.

2,074,149
PROPELLER TIP CENTRIFUGAL PITCH CONTROL
Joseph H. Jacobs, Minneapolis, Minn.
Application May 27, 1936, Serial No. 82,023
3 Claims. (Cl. 170—162)



1. A propeller having a hub and at least one blade mounted thereon in generally radial relation thereto, the main portion of said blade being fixed in pitch, the tip portion of said blade being divided from said main portion, a shaft element connecting said tip portion to said main portion, said shaft element having one portion fixed in one of said blade portions and a helically grooved second portion journaled in the other of said blade portions, a guide element fixed in said other blade portion and engaged in said helical groove, said shaft and said guide element being so constructed and arranged that centrifugal force created by rotation of said propeller and acting on the mass of said tip portion will cause outward movement of said tip portion accompanied by rotation thereof to vary the pitch thereof, and resilient means yieldingly resisting outward movement of said tip portion.

2,074,150
VAT DYE ASSISTANTS AND METHOD OF USING
Jean G. Kern, Hamburg, N. Y., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 1, 1934, Serial No. 723,332
10 Claims. (Cl. 8—5)

1. In the preparation of dyed textile fibers, the step which comprises bringing the fibers into contact with a vat dyestuff and a non-foaming aryl ketone having the general formula

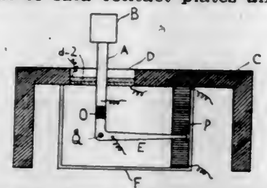
R—CO—R'

wherein R represents an aryl radical of the benzene or naphthalene series and R' represents a carboxyl group or a low molecular alkyl, aryl, or aralkyl group, and which ketone contains a group conferring solubility in water or alkaline solution.

2,074,151
CONTROL DEVICE FOR ELECTRICAL MUSICAL INSTRUMENTS
Nicholas Langer, New York, N. Y., assignor of sixty-six and two-thirds per cent to John Halmagyi, Budapest, Hungary
Original application July 30, 1932, Serial No. 626,456. Divided and this application March 4, 1935, Serial No. 9,205. In Hungary and Canada September 24, 1932
3 Claims. (Cl. 201—48)

1. A manually operated control device for electrical musical instruments which comprises a resistance element, a pivoted conducting lever slid-

ably engaging said resistance element, a conducting control handle attached to said lever and insulated therefrom, and a contact plate located at each side of said control handle, said handle being constituted at least in part of a flat strip of resilient metal having great rigidity in a direction parallel to said contact plates and capable



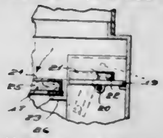
of being readily bent and reciprocated several times per second in a direction vertical to said plates whereby the position of said lever on said resistance element may be adjusted by displacing said handle in the aforesaid direction and said contact plates may be rapidly and alternately contacted by simultaneously reciprocating said handle in the latter direction.

2,074,152

COMBINED FILTER AND AUTOMATIC RELIEF DAMPER

Moritz L. Mueller, Seattle, Wash.

Application September 9, 1935, Serial No. 39,857
10 Claims. (Cl. 183—39)



1. In combination, a conduit, means for forcing air through said conduit, a body of filtering material and a pivoted damper, the filtering material and damper lying substantially in the same plane and complementally spanning said conduit, and means for balancing said damper to remain closed as long as the air may pass freely through the filtering material but to be overbalanced and moved to open position under the modification of the air flow when the filtering material becomes abnormally clogged.

10. In combination, a conduit, a flat plate-like filter spanning a portion of the conduit, a flat plate-like damper spanning another part of the conduit to one side of the filter, pivots for mounting said damper to tip, said pivots being located off center with respect to the width of the damper so that the area of the damper to one side of said pivots is greater than the area of the damper upon the opposite side of the pivots, and means for holding said damper in closed position until clogging of the filter creates such difference of pressure upon the damper at the opposite sides of the pivots as to overcome said holding means and cause the damper to tip to open position.

2,074,153

LADY'S BLOUSE

Frank W. Netsky, Philadelphia, Pa., assignor to Susquehanna Waist Company, Philadelphia, Pa., a copartnership composed of Frank W. Netsky and Samuel Netsky

Application February 24, 1936, Serial No. 65,300
2 Claims. (Cl. 2—54)

1. In a garment of the class described comprising a body and a sleeve having respectively intersecting side and underarm seams and a seam connecting the body and sleeve, a substantially elliptical shield consisting of an initially flat single layer of flexible fabric of substantially the same material as the garment, forming a permanent part thereof and lying within the body and the sleeve, stitching coextensive and in substantial alignment with one of the axes of the shield and securing it to said side and underarm



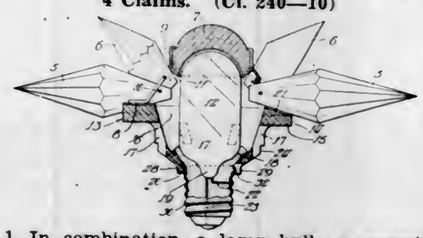
seams, and means interconnecting the extremities of the other axis of the shield to the seam between the body and sleeve, said stitching and said means constituting the sole connection between the shield and the garment, said shield being entirely free between said stitching and its attached extremities and the free portions having substantially the same flexibility as the material of the garment.

2,074,154

DECORATIVE LIGHTING DEVICE

Arthur Stechbart, Chicago, Ill., assignor to Matchless Electric Company, Chicago, Ill., a corporation of Illinois

Application June 29, 1936, Serial No. 87,869
4 Claims. (Cl. 240—10)



1. In combination, a lamp bulb, a mounting base therefor, said lamp bulb being fixed in said mounting base, said base being composed of insulating material, said base having means thereon providing a mounting rim for decorative light transmitting and reflecting devices, said base having annular shoulders thereon of different diameters whereby it may receive screw shells of different standard sizes.

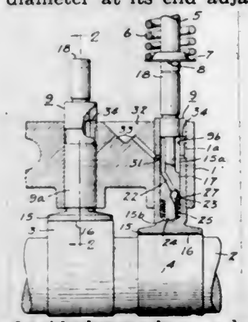
2,074,155

SELF-ADJUSTING VALVE TAPPET

Fred A. Truesdell, East Cleveland, Ohio

Application August 9, 1934, Serial No. 739,129
11 Claims. (Cl. 123—90)

1. The combination with a guide member having a guide bore and an oil passage communicating with said bore, of a self-adjusting hydraulic tappet comprising a valve shoe having a plunger bore open at one end only, a plunger slidably mounted in said plunger bore, said shoe being reciprocably mounted in said guide bore, said shoe having an annular oil receiving reservoir arranged to register with said oil passage at predetermined positions of said shoe with respect to said guide bore, said reservoir opening into said plunger bore, said plunger having an oil chamber in communication with the opening of said reservoir into said plunger bore and a passageway opening into said oil chamber and into the space between the end of said plunger and the closed end of said plunger bore, said passageway having a counterbore at the end of said plunger to provide a valve seat, a check valve in said counterbore, said plunger having a portion of reduced diameter at its end adjacent to the



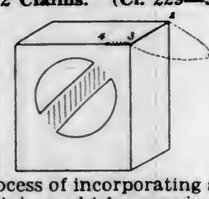
closed end of said plunger bore, a helical spring surrounding said last mentioned portion and engaging the bottom of said plunger bore and the adjacent end of said plunger, said spring also holding said valve in close proximity to said valve seat, and means for permitting the escape of air from said oil chamber.

2,074,156

DEVICE FOR THE OPENING OF CONTAINERS

Ernst-Herbert Weber, New York, N. Y.

Application November 23, 1935, Serial No. 51,210
2 Claims. (Cl. 229—51)



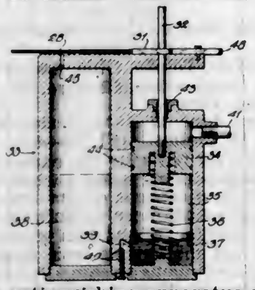
1. The process of incorporating a cutting member in a container which comprises inserting said cutting member into one edge of the container, withdrawing it from an adjacent corner, reinserting it into another adjoining edge, and withdrawing it at or near the first point of withdrawal.

2,074,157

FIRE EXTINGUISHING APPARATUS WITH WARNING SIGNAL

Scott E. Allen, Glen Ridge, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware

Application September 8, 1934, Serial No. 743,234
15 Claims. (Cl. 169—11)



2. A fire extinguishing apparatus of the character described comprising a discharge conduit, means for supplying the conduit with fire extinguishing fluid under pressure, a discharge valve normally closing the conduit, time delay means controlled by pressure of said fluid for opening the valve, signal means, and means controlled by the time delay means for actuating said signal means during operation of said time delay means.

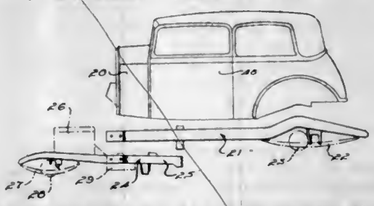
6. A fire extinguishing apparatus of the character described comprising a source of fire extinguishing fluid under pressure, a discharge conduit normally free of extinguishing fluid, means for releasing extinguishing fluid from said source into the conduit, a discharge valve normally closing the conduit, means tending to open the valve, a timer normally restraining the opening means, said timer being actuable by said fluid to release the opening means so as to open the valve at a predetermined time interval after admission of said fluid into the conduit.

2,074,158

VEHICLE CONSTRUCTION

Clarence W. Avery, Detroit, Mich.

Application July 10, 1933, Serial No. 679,616
9 Claims. (Cl. 280—106)



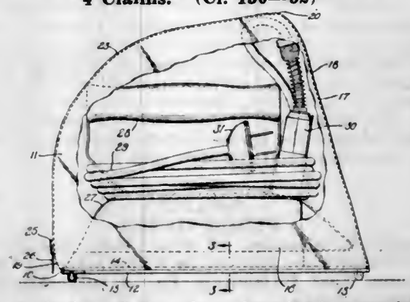
1. A chassis frame having longitudinally extending side members of box section formed by inwardly presented channel elements, the inner channel elements having portions of the web deflected inwardly from other portions thereof and the sides extended at these portions to have the edges of the flanges terminate in a plane and aligned with the flanges of the first said channel elements, and cross braces interconnecting the longitudinal side members at the points where the webs of the inner channel elements are offset.

2,074,159

PROTECTOR FOR ELECTRICAL APPLIANCES

Rosemond H. Bailey, Jackson Heights, Long Island, N. Y.

Application July 5, 1935, Serial No. 29,967
4 Claims. (Cl. 150—52)



1. A device of the class described comprising a substantially triangular base of rigid material having an upper heat resisting surface, a hood composed of flexible material consisting of two similar side portions and one end portion, the

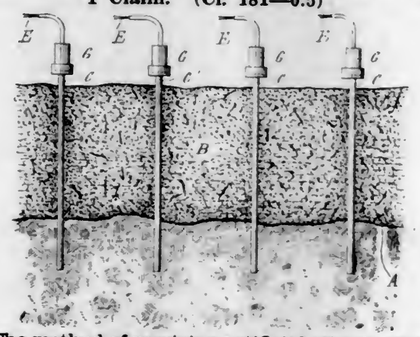
lower edges of the side and end portions being attached to the peripheral edges of said base with one edge of each side portion attached to the side edges of said end portion, the other side edges of said side portions being normally unattached from one corner portion of the base to the upper end of said hood, separable fastener stringers attached to said last named side edges, and a slider movable longitudinally of said stringers for coupling and uncoupling said edges to close and open said hood.

2,074,160
CARTON
Samuel Bergstein, Cincinnati, Ohio
Application June 11, 1934, Serial No. 730,001
16 Claims. (Cl. 229—29)



3. A carton of four walled tubular shape, comprising at least two partitions therein, foldably joined to an intermediate portion which is attached to one of the walls of the carton in an area spaced from the two walls adjoining said one of the walls, said partitions being adapted to extend toward the fourth wall, or to be folded close to the wall to which said intermediate portion is attached, said carton having its four walls foldably connected for collapse.

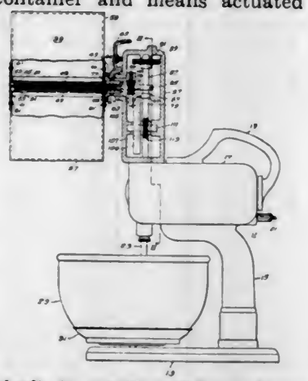
2,074,161
SUBSURFACE EXPLORATION
Robert N. Bills, Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey
Application February 8, 1936, Serial No. 62,893
1 Claim. (Cl. 181—0.5)



The method of receiving artificial seismic waves transmitted through earth having a surface layer of soft material which comprises sinking a rod through the soft surface layer into the hard material therebelow, mounting a wave detector on the upper end of said rod and receiving by said detector the waves transmitted thereto from the hard material through said rod.

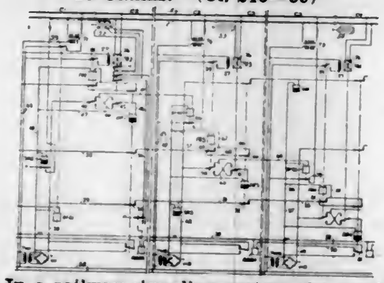
2,074,162
FLOUR SIFTER
Joseph S. Bowman, El Paso, Tex., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 9, 1934, Serial No. 747,507
8 Claims. (Cl. 209—251)

1. In combination with an electric motor having a driving shaft, a sifter assembly including a container for material to be sifted, an agitator in the container and means actuated by the



driving shaft to continuously reciprocate the agitator and to intermittently invert the container.

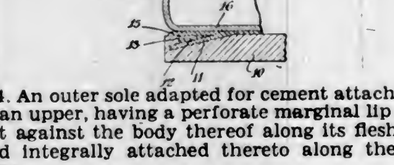
2,074,163
RAILWAY SIGNALING SYSTEM
Georges Caille, Vaujours, France, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 28, 1934, Serial No. 717,821
In France April 12, 1933
15 Claims. (Cl. 246—39)



1. In a railway signaling system the combination with track circuits constituted by the track rails subdivided into block sections, of means for at times supplying signaling current to the track rails of a block section, a relay connected across said track rails and responsive to said signaling current, and means controlled jointly by said supply means and by said relay for detecting the presence of a train in said block section.

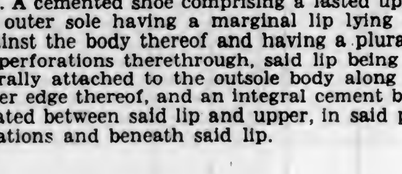
2,074,164
METALLURGICAL APPARATUS AND PROCESS
Edward L. Clair, Toledo, Ohio, assignor to Interlake Iron Corporation, Chicago, Ill., a corporation of New York
Application June 17, 1935, Serial No. 26,927
10 Claims. (Cl. 75—60)

1. A process for reducing the carbon content in pig iron and producing a low carbon pig-iron in which the carbon content of the iron is reduced in particle size and more uniformly distributed throughout the body of the iron which comprises passing the hot molten pig-iron from the blast furnace in a continuous stream after it leaves the blast furnace, directing a reducing gas which will react with and reduce the carbon content of the molten iron downward upon and into direct contact with the continuous stream of molten pig-iron and simultaneously applying heat inde-



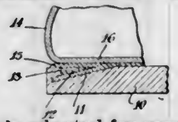
pendently of said reducing gas to maintain the iron at a temperature at least as high as the temperature at which it enters the reducing process for treatment.

2,074,165
EXPANSION ENGINE
John Merritt Clark, Northfield, N. J.
Application August 21, 1935, Serial No. 37,139
14 Claims. (Cl. 121—135)



1. A valve gear for an expansion engine of the type characterized by a fluid-pressure cylinder with a reciprocating piston working therein and having main admission and exhaust ports and a main valve adapted to control said ports for general admission and exhaust purposes; said valve gear being further characterized by an auxiliary exhaust passage and an auxiliary exhaust valve exclusively for controlling exhaust through said last-named passage, and means to permit selective manual control of said valves at all times, whereby complete free exhaust from said cylinder is provided.

2,074,166
MANUFACTURE OF CEMENTED FOOTWEAR
William Anthony Condon, Haverhill, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application September 6, 1935, Serial No. 39,414
8 Claims. (Cl. 12—142)

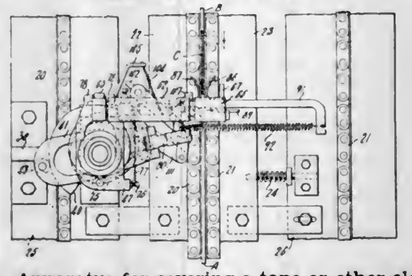


4. An outer sole adapted for cement attachment to an upper, having a perforate marginal lip lying flat against the body thereof along its flesh side and integrally attached thereto along the sole edge.

6. A method of making a cemented shoe which comprises providing a lasted upper, supplying an outer sole having a perforate lip lying flat against the sole body, applying cement between the lasted upper and said lip so as to permit passage of cement through the perforations in the lip and into the channel, and pressing said sole and upper together.

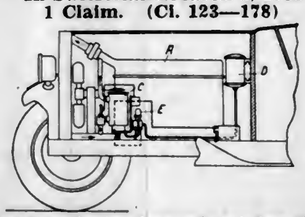
8. A cemented shoe comprising a lasted upper, an outer sole having a marginal lip lying flat against the body thereof and having a plurality of perforations therethrough, said lip being integrally attached to the outsole body along the outer edge thereof, and an integral cement bond located between said lip and upper, in said perforations and beneath said lip.

2,074,167
SHEARING APPARATUS FOR TAPED BAGS AND THE LIKE
Lincoln A. Cundall, Buffalo, N. Y., assignor to Bagpak, Inc., New York, N. Y., a corporation of Delaware
Application March 18, 1935, Serial No. 11,563
7 Claims. (Cl. 164—49)



1. Apparatus for severing a tape or other elongated element attached to a bag or other article and extending therefrom comprising, means to feed the article, a fixed shear blade located at one side of the line of travel of the element, a movable shear blade normally poised at the opposite side of the line of travel of the element and adapted to be moved past said fixed shear blade to sever the element, a shear operating cam having a radially extending edge and normally prevented from rotating, a cam follower cooperating with said cam and connected to said movable shear blade to control movement thereof, a spring baising said movable shear blade to keep said cam follower against said cam and to actuate said movable shear blade upon rotation of said cam to an extent sufficient to move said edge past said cam follower, a continuously rotating driving member coaxial with said cam, a coaxially mounted clutch associated therewith to connect said cam to said member upon being engaged, means to control said clutch comprising an article sensing finger projectable into the path of said article, a clutch-pin connected thereto, and a clutch-dog mounted on the driven portion of said clutch and engageable by said clutch-pin upon said finger being retracted due to the presence of an article, said clutch-dog and the radial edge of said cam being so located with reference to each other that the cam is brought to a stop with said radial edge a short distance from said cam follower.

2,074,168
ENGINE TEMPERATURE CONTROL DEVICE
Caflisch Danuser, Zurich, and Felix C. Danuser, Trogen, Switzerland
Application November 20, 1933, Serial No. 698,920
In Switzerland March 1, 1933
1 Claim. (Cl. 123—178)



In a heating device for maintaining the cooling water of an engine cooling system between predetermined limits, and above a predetermined minimum temperature, the combination of a boiler, water connections between the boiler and

the engine cooling system, a liquid fuel burner for said boiler, an electric motor driven pump for feeding liquid fuel to said burner, an electric resistance for vaporizing said fuel, an electric resistance for igniting said fuel, a first thermostat adjacent said burner, a second thermostat adjacent the first mentioned resistance, a relay, a circuit controlled by said relay including said resistances in series, a second relay having three windings, a thermostat in one of said water connections controlling the circuits of two of said windings, an engine-driven generator controlling the third winding, a circuit for controlling the energization of the first mentioned relay including the first thermostat and a contact of the second relay, a circuit for the pump motor including the second thermostat and the contact of said second relay, an electromagnetically operated cleaner for the burner nozzle, and a circuit for said cleaner including the second thermostat and said second relay contact.

2,074,169

FUNGICIDES

William McIlvaine Dickson, Woodside, Del., assignor to General Chemical Company, New York, N. Y., a corporation of New York

No Drawing. Application July 21, 1932, Serial No. 623,905

7 Claims. (Cl. 167—21)

1. A fungicidal composition obtainable by mixing a major portion of wettable sulfur, and a minor portion of lime-sulfur solution.

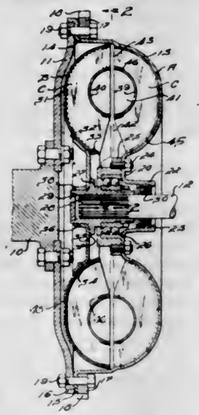
2,074,170

POWER TRANSMITTING DEVICE

William T. Dunn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Original application May 14, 1934, Serial No. 725,572. Divided and this application March 14, 1935, Serial No. 11,056

2 Claims. (Cl. 60—54)



1. In a fluid coupling for driving and driven members, a flywheel structure drivingly secured to said driving member and having the major portion thereof disposed substantially in a plane generally perpendicular thereto, a casing structure, an impeller rotor driven with said casing structure, a runner rotor fixed to said driven member, said structures substantially enclosing said rotors, said casing structure having a flanged end, a portion of said flange abutting a side face of said flywheel structure, said flange having a terminal portion overlying the peripheral face of said flywheel, a ring gear adjacent said flanged end, and a common means for connecting together said flywheel, flanged end and ring gear.

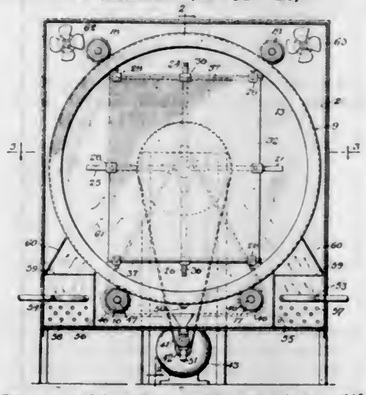
2,074,171

APPARATUS FOR COATING LITHOGRAPHIC PLATES

Rudolf Fritsche, New York, N. Y.

Application July 24, 1936, Serial No. 92,387

8 Claims. (Cl. 91—42)



1. In a machine for coating a plate with light sensitive material, a container of generally cylindrical form, the axis of said container extending in a horizontal plane, a plate supporting frame positioned in said container and mounted to rotate in a vertical plane, said container having one side formed with a centrally positioned opening, said container being adapted to receive a supply of water, means for rigidly clamping a plate on said frame, means for rotating said frame at a comparatively high speed, and means for rotating said container at a comparatively low speed.

2,074,172

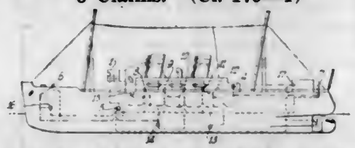
SHIP'S SIGNALING SYSTEM

Robert Rodger Glen, Anglet, France, assignor to Glen's Patents and Holdings, Inc., New York, N. Y., a corporation of Delaware

Application March 27, 1935, Serial No. 13,243

In Great Britain September 22, 1934

8 Claims. (Cl. 179—1)



1. In a ship's signaling system, the combination with a microphone located at a control point in the ship, of an electrical network connected to said microphone, said network comprising duplicate wiring systems running throughout the ship and located some distance apart, said systems having common outlets located at selected stations in said ship, and loudspeakers of a character adapted to reproduce sound connected to said outlets; said systems being adjusted to reproduce acoustically the signals entering said microphone at said loudspeakers with a volume of sound above a predetermined noise level.

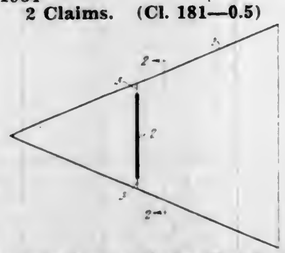
2,074,173

LOUDSPEAKER AND THE LIKE

Robert Rodger Glen, Anglet, France, assignor to Glen's Patents and Holdings, Inc., New York, N. Y., a corporation of Delaware

Original application March 27, 1935, Serial No. 13,242. Divided and this application November 8, 1935, Serial No. 48,875. In Great Britain July 4, 1934

2 Claims. (Cl. 181—0.5)



1. In loudspeakers and the like, the combination with a sound cone, of an imperforate disk disposed within the cone at a desired point on the cone axis and in spaced relation to the inner surface of the cone, and means capable of absorbing vibration supporting said disk directly from the cone wall.

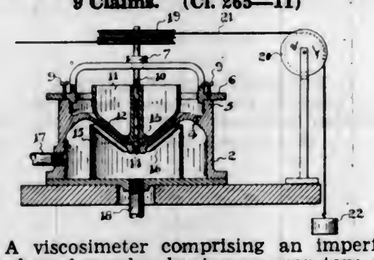
2,074,174

VISCOSIMETER

James Norman Goodier, Toronto, Ontario, Canada, assignor to Ontario Research Foundation, Toronto, Ontario, Canada

Application May 25, 1936, Serial No. 81,638

9 Claims. (Cl. 265—11)



1. A viscosimeter comprising an imperforate bowl-shaped member having an open top; a second imperforate member concentric with and complementing the first and normally positioned within the bowl with its outer surface slightly spaced from the inner surface of the bowl, the said members being axially displaceable relative to one another so that liquid placed in the bowl when the said members are separated is squeezed into a thin film between the members when the latter are restored to their normal co-operative position.

2,074,175

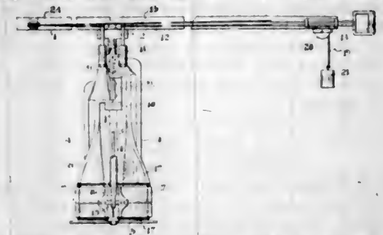
VISCOSIMETER

James Norman Goodier, Toronto, Ontario, Canada, assignor to Ontario Research Foundation, Toronto, Ontario, Canada

Application May 25, 1936, Serial No. 81,639

17 Claims. (Cl. 265—11)

1. A viscosimeter comprising concentric rotor and stator members mounted with their adjacent surfaces normally slightly spaced a predetermined distance apart and shaped as surfaces of revolution; means for suspending the device with the concentric members immersed in the liquid in a vessel; and means for increasing the distance apart of the rotor and stator and then decreasing it to the normal predetermined distance apart while the device is in the liquid to agitate



the liquid and admit fresh liquid to form a new film between the said members.

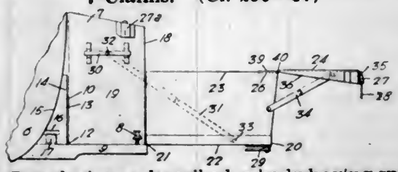
2,074,176

AUTOMOBILE TRUNK

Henry Goeddertz, Denver, Colo.

Application October 29, 1934, Serial No. 750,475

7 Claims. (Cl. 296—37)



1. In a device as described, a body having spaced vertical walls open along their tops and rear edges, a box-like member having a bottom and end walls hinged to the body along a line connecting the lower rear corners of the vertical walls, a lid mounted for pivotal movement about an axis connecting the corners of the end walls, diagonally located with respect to the hinge, the lid being shorter than the distance between the vertical walls and longer than the distance between the end walls, the latter having flanges that project outwardly therefrom and overlap the vertical walls to close the space between the vertical and the end walls when the bottom is turned to vertical position.

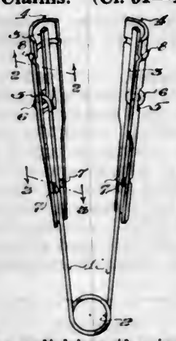
2,074,177

ABRADING TOOL

Joseph P. Graul, Dallas, Tex.

Application April 15, 1935, Serial No. 16,420

3 Claims. (Cl. 51—187)



2. A tool for polishing the interior of tubular bodies preparatory to the insertion of a complementary element, comprising a resilient body, looped to provide arms of equal length and resiliency, said arms having projections adjacent their extremities, a pair of members curved along

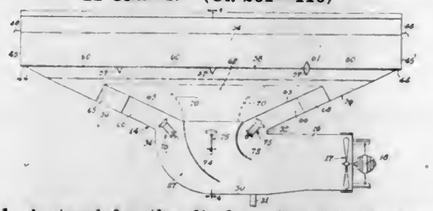
their major axes and provided with apertures to conformably receive said projections to hold said members against rotation on said arms said members and arms being arranged to jointly retain a strip of abrasive material, and means carried by said members for removable engagement with said arms to hold the said members operatively on said arms.

2,074,178

DISPLAY STAND

Albert J. Greene, Decatur, Ill., assignor, by mesne assignments, to Universal Manufacturing Co., Decatur, Ill., a corporation of Illinois

Application April 21, 1936, Serial No. 75,569
11 Claims. (Cl. 261—116)



1. A stand for the display of perishable commodities comprising a tray having a bottom pervious to air currents and adapted to support said commodities, a conduit adapted to carry a moving column of air, means for supplying moisture to said moving column of air, a header disposed beneath said tray and communicating with said conduit, said header having a wall-like bottom, a main baffle disposed within said header and arranged beneath said tray in a spaced relation to the bottom thereof and to the bottom of said header, said baffle functioning to direct moving air derived from said conduit to the marginal area of said tray and to facilitate movement of air in the vicinity of that portion of the tray beneath which it is arranged, and down draft baffle means functioning to direct air delivered to the marginal area of said tray downwardly through the same.

2,074,179

ANTHRAQUINONE DYESTUFFS

Norman Hulton Haddock, Frank Lodge, and Colin Henry Lumsden, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 11, 1935, Serial No. 49,322. In Great Britain November 14, 1934
4 Claims. (Cl. 260—60)

1. A 1-phenylaminoanthraquinone sulfonic acid carrying in the 4 position a group of the class consisting of $—NH_2$, $—NHCH_3$, and —OH, and carrying in the phenyl group a radical of the class consisting of alkoxy and alkylthiol radicals, in which the alkyl group of the alkoxy radical contains from 3 to 20 carbon atoms and the alkyl group of the alkylthiol contains from 3 to 7 carbon atoms, the sulfonic acid group being present in either of the aromatic radicals of the compound.

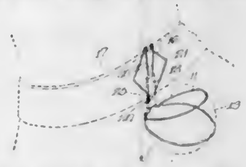
2,074,180

TENNIS BALL HOLDER

Fred J. Hatley, Maywood, Ill.

Application April 6, 1936, Serial No. 72,872
4 Claims. (Cl. 224—5)

1. A tennis ball holder of the character described comprising in combination a strand of spring wire, said wire being bent adjacent each end into the form of a ring whose diameter is less than that of a tennis ball, said rings being relatively arranged with their planes in outwardly diverging relationship, the remaining portions of said wire being bent into parallel relationship at the point of closest convergence of



said rings and extending from such point in a direction substantially transverse to the planes of said rings, means for binding said wire together adjacent said point of closest convergence of said rings to anchor said rings, a portion of the wire in parallel relationship being bent over to form a hook for attaching said holder to the clothing of the user.

2,074,181

BENZANTHRONE DERIVATIVES

Isidor Morris Heilbron, Manchester, England, and Francis Irving, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 20, 1935, Serial No. 50,797. In Great Britain November 20, 1934
6 Claims. (Cl. 260—61)

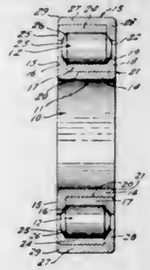
1. Dihalogen-Bz2-chlorobenzanthrones.

2,074,182

BEARING CONSTRUCTION

Lewis R. Heim, Mount Dora, Fla.

Application December 3, 1930, Serial No. 499,671
18 Claims. (Cl. 308—212)



1. In bearing construction, in combination, a cylindrical shell having a flange on one side extending inwardly, balls and rolls disposed alternately about the inner surface of said cylindrical shell, said rolls being shorter in length than the diameter of said balls, a ring-like member telescopically fitting over said cylindrical shell and having a flange extending inwardly on opposite side from said first-mentioned flange; a second cylindrical shell whose periphery is in substantial engagement with the side of said rolls and said balls opposite said first-mentioned shell having a flange extending outwardly, and a second ring-like member telescopically fitting within said second shell and having a flange extending outwardly on the opposite side from said last mentioned flange.

2,074,183

REAGENT AND PROCESS FOR TREATING CRUDE OILS

Paul R. Hershman, Chicago, Ill., assignor to Petro Chemical Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 7, 1934, Serial No. 729,479
6 Claims. (Cl. 196—4)

1. A method for desalting and demulsifying oils which comprises mixing with said oils in continuous phase a composition comprising caustic alkali and a soluble alkali-metal acetate.

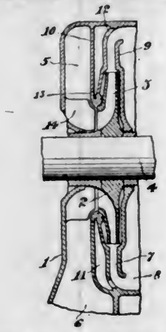
5. A desalting and demulsifying reagent comprising caustic soda approximately 25%, sodium acetate approximately 10%, alcohol approximately 20%, glycerine up to approximately 10%, and water approximately 35 to 45%.

2,074,184

VAPOR COMPRESSOR

John Kirgan, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application March 23, 1936, Serial No. 70,212
3 Claims. (Cl. 230—209)



1. In a blower for compressing gas having suspended moisture therein, said blower comprising a housing for an inlet chamber and an impeller wheel and having a chamber to which said wheel delivers, a hollow web within the housing between said chambers having uncontrolled openings communicating with both chambers to permit compressed gas to flow freely from the delivery chamber through the web and into the inlet chamber whereby said web and the entering gas is heated to vaporize said moisture.

2,074,185

METHOD FOR HEAT TREATING POROUS METAL STRUCTURES

Anthony J. Langhammer and William G. Calkins, Detroit, Mich., assignors to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application May 19, 1934, Serial No. 726,484
4 Claims. (Cl. 148—1)

1. A process for heat treating and impregnating composite porous metal structures, which process comprises, subjecting, in a non-oxidizing atmosphere, an adherent mass of finely comminuted iron and a more fusible metal in the form of the structure desired, to a temperature below the melting point of iron but above the melting point of the more fusible metal constituent to sinter the mass, then quenching said structure while hot and before exposure to an oxidizing atmosphere, then heating the structure to an annealing temperature for iron in a non-oxidizing atmosphere, and then quenching the structure while hot and before exposure to an oxidizing atmosphere in an impregnating material.

2,074,186

INSOLUBLE AZODYESTUFFS

Eugene A. Markush, Jersey City, N. J., assignor to Pharma Chemical Corporation, New York, N. Y., a corporation of New York

No Drawing. Application August 25, 1933, Serial No. 686,781
4 Claims. (Cl. 260—54)

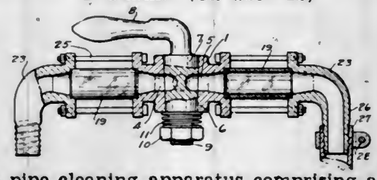
1. The process of producing water-insoluble compounds which comprises combining diazotized 2:5 methoxy-4-furoylamine-amino-benzol with beta-hydroxy-naphthoic acid ortho-toluidide.

2,074,187

BEER COIL CLEANER

Gustav Pichler and William Weichert, Bronx, N. Y.

Application December 22, 1934, Serial No. 758,836
1 Claim. (Cl. 225—12)



A pipe cleaning apparatus comprising a valve housing having four radially extending openings with two of said openings flanged and horizontally positioned, providing a horizontal passage through said housing, and two of said openings vertically positioned, providing a vertical passage extending through said housing intersecting said horizontal passage, said housing being provided with a tapered cylindrical opening at the intersection of said vertical and horizontal passages, the lower end of said vertical passage having a threaded nipple extending downward from said housing and the upper end of said passage also having a threaded nipple providing an inlet connection to said housing, a bushing with a collar at the upper end threaded on said inlet connection, and a coupling member slidable on said bushing and adapted to connect said housing to a water tap, a conical shaped valve member rotatable in the conical shaped cylindrical opening at the intersection of said passages in said valve housing having a handle on one end and means resiliently holding said valve member inward at the opposite end, said valve member having diagonally opposite recesses corresponding with the horizontal and vertical passages, and adapted to be turned through an angle of 90° to divert fluid from said inlet connection to either of said horizontal passages and at the same times connect either of said horizontal passages with the lower vertical passage forming a drain; a frame secured to the flanges at the ends of the horizontal openings and positioned adjacent each of said horizontal openings, said frames having transparent windows therein and being provided with water tight securing means, elbows forming the outer ends of said frames having threaded nipples extending outward at right angles thereto, and integral with said elbows, the horizontal and vertical passages in said housing and frames being in the same vertical plane, one of said frames being adapted to contain a loosely

mounted material for contacting and cleaning the walls of a beer pipe when carried therethrough by flowing water entering said inlet connection, screens in each of said frames positioned adjacent the inner ends thereof, said nipples at the outer ends of said elbows being adapted to be connected in circuit with a beer coil, whereby fluid entering said inlet connection passes through the frame and nipple at one end, through said coil, and enters said housing through the nipple and frame at the opposite end, and passes out of said lower vertical connection to the drain.

2,074,188
INSECTICIDE AND PROCESS FOR THE MANUFACTURE THEREOF

Jean Ripert, Paris, France, assignor to Le Fly Tox, Paris, France, a corporation of France

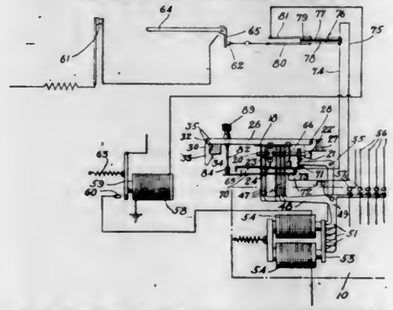
No Drawing. Application May 25, 1931, Serial No. 539,997. In France November 26, 1930
7 Claims. (Cl. 167—24)

7. An insecticidal spray composition comprising pyrethrins dissolved in a solvent from the class consisting of glycols and glycol ethers.

2,074,189
TELEGRAPHIC TAPE STOP

Edward Rice, St. Louis, Mo., and Waldo G. Rice, Chicago, Ill.

Application April 22, 1935, Serial No. 17,626
16 Claims. (Cl. 178—42)

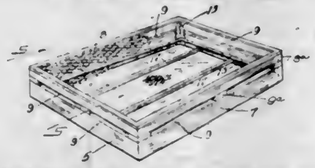


1. In a device of the character described, the combination with means for feeding message paper along a predetermined path, of a plurality of code pins in said path for cooperation with said paper, means including an electrical circuit for operating said code pins and paper feeding means for effecting signal transmission in timed relation with the feeding of said paper past said code pins, and means in the path of said paper for opening said electrical circuit responsive to a break in the supply of paper to said feeding means to automatically stop signal transmission.

2,074,190
INCUBATOR

John L. Robbins, Edgewater, Colo.

Application January 8, 1932, Serial No. 585,465
2 Claims. (Cl. 119—43)

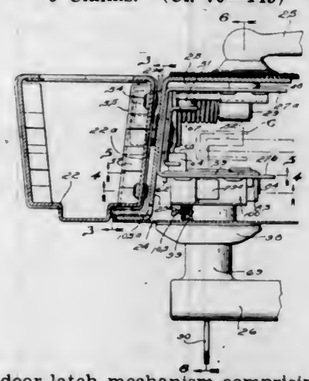


1. A hatching tray for incubators comprising a frame, means dividing the interior of the frame into an upper hatching compartment and a lower refuse receptacle, a screened frame removably supported on the first mentioned frame, and means supporting the screened frame above and in spaced relation to the first-mentioned frame to provide openings for the circulation of air.

2,074,191
LATCH MECHANISM

John H. Roethel, Detroit, Mich., assignor to Ferro Stamping and Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application August 28, 1933, Serial No. 687,100
6 Claims. (Cl. 70—149)



1. A door latch mechanism comprising a latch bolt oscillatable on a horizontal axis, an oscillatable handle shaft, a roll back connected to said shaft, means including a crank connected to said bolt for oscillating the latter from said handle shaft, and means operable to shift said roll back transversely with relation to the axis of said shaft for disconnecting said roll back from said handle shaft.

2,074,192
HIGH MELTING POINT ROSIN AND METHOD FOR ITS PRODUCTION

Paul Schnorf, Wiesli, Switzerland, assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 20, 1930, Serial No. 454,200. Renewed July 3, 1935
16 Claims. (Cl. 260—2)

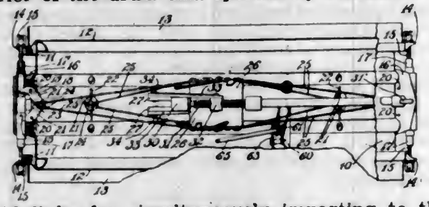
1. The method of raising the melting point of rosin which includes treating rosin with a metallic chloride derived from a metal capable of forming an amphoteric hydroxide and with heat at a temperature below that at which any large proportion of the rosin will be decomposed but sufficient to effect polymerization in the presence of the metallic chloride, and fractionating the product to separate rosin from polymerized rosin.

2,074,193
DRUM

Cecil H. Strupe, Indianapolis, Ind.

Application June 14, 1934, Serial No. 730,616
4 Claims. (Cl. 84—411)

1. In a drum, the combination with the main shell, a head, a head ring, and a straining ring, of a plurality of circumferentially spaced levers pivotally mounted on the shell, a corresponding circumferentially spaced series of variable length connectors between and connected to said levers and strained ring, a corresponding series of inwardly converging links connected with said levers, operating means accessible from the exterior of the drum and operatively connected to

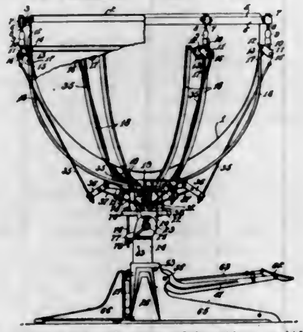


said links for simultaneously imparting to the converging ends of said links a rotary movement to simultaneously shift said levers.

2,074,194
TIMPANO ADJUSTER

Cecil H. Strupe, Indianapolis, Ind.

Application June 29, 1935, Serial No. 29,058
11 Claims. (Cl. 84—419)



1. In a timpano, the combination with a base, a shell supported on said base and a head associated with said shell, of head tensioning means comprising a plurality of bell crank levers each pivotally mounted on said shell and having one arm thereof connected to said head, actuating means for said tensioning means supported on said base and a connection between each of said bell crank levers and said actuating means comprising a cable having one end connected to the shell and the other end connected to the actuating means and the bight of said cable engaging the opposite arm of the bell crank lever.

2,074,195
PRESSURE RELIEF VALVE

Ralph E. Uphoff, Madison, Wis.

Application March 30, 1935, Serial No. 13,867
2 Claims. (Cl. 137—53)

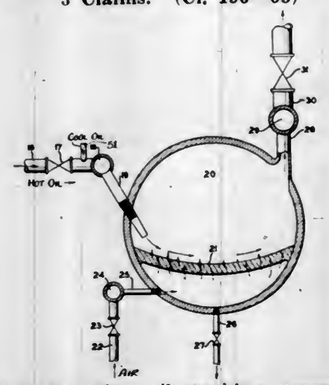


1. A pressure relief valve, comprising an integral tubular member having a main lower end portion adapted to be connected to the upper end of an overflow tube of a radiator, an intermediate bent portion, and an upper end portion angularly disposed relative to said lower end portion, a valve seat formed at the lower end of said angularly disposed upper end portion, and a ball valve member movable in the bore of said angularly disposed upper end portion and adapted to co-operate with said valve seat, the bore of said intermediate bent portion being decreased in size in one direction by the bending thereof to prevent said ball being forced therethrough.

2,074,196
HYDROCARBON OIL CONVERSION

Harold C. Weber, Milton, and William H. McAdams, Newton, Mass., assignors, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application January 6, 1932, Serial No. 584,942
3 Claims. (Cl. 196—65)



2. A hydrocarbon oil cracking process which comprises passing the oil in a restricted stream through a heating zone and heating the same therein to cracking temperature, discharging the heated oil into a combustion zone and separating vapors from residuum therein, depositing in the combustion zone the carbon and tar-like bodies formed by the cracking of the oil, injecting air into the deposited carbon and tar-like bodies during the cracking operation to effect combustion thereof and to supply additional heat to the oil undergoing cracking, controlling the temperature in the combustion zone by admixing a cooling medium with the heated oil discharging from the heating zone into the combustion zone, removing the mixture of vapors and gases from the combustion zone and abruptly cooling the same to below cracking temperature by the injection of additional cooling medium thereto, and then recovering the desired cracked products from the cooled mixture of vapors and gases by dephlegmation and condensation.

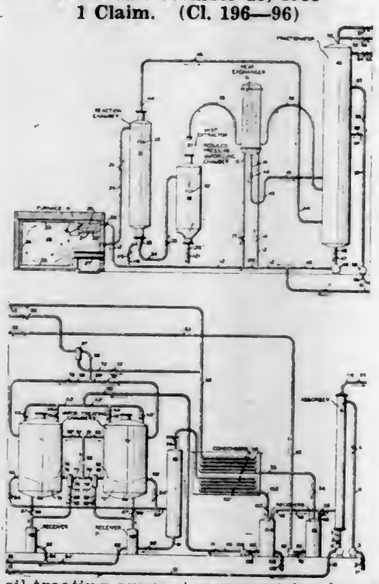
2,074,197
TEXTILE PRINTING

Alec Wormald, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application March 8, 1935, Serial No. 10,123. In Great Britain March 14, 1934
2 Claims. (Cl. 8—5)

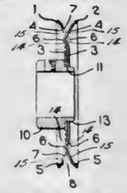
1. Process for the production on cellulosic textile materials of white resist styles with such sulphuric esters of leuco vat dyestuffs as have affinity for cellulosic textile material, which comprises applying to the material a metallic salt which forms an insoluble precipitate with ester salts of leuco vat dyes of the class consisting of aluminum sulphate, potash alum, iron ammonium alum and chrome alum, drying the material, overprinting or padding with the sulphuric ester of the leuco vat dyestuff, and developing the colour.

2,074,198
TREATMENT OF HYDROCARBON OIL
Joseph G. Alther, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 6, 1932, Serial No. 584,946
Renewed November 13, 1935
1 Claim. (Cl. 196—96)



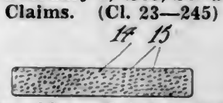
An oil treating apparatus comprising in combination a fractionator and means for supplying vapors thereto, a treating chamber and a condenser, means for passing vapors directly from the fractionator to the condenser without passage through the treating chamber, means for returning condensate formed in the condenser to the fractionator, means for passing additional vapors from the fractionator to the treating chamber, a second condenser adapted to receive vapors from the treating chamber, and means for introducing to the treating chamber condensate formed in the second condenser.

2,074,199
FEED WHEEL
Howard P. Arnold, Rockland, Mass.
Application October 9, 1936, Serial No. 104,911
1 Claim. (Cl. 74—230.8)



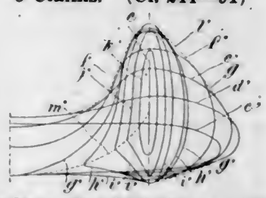
A feed wheel comprising two similar disk-like members of sheet material, each having a central portion, spaced arms extending radially from the central portion, and a narrow continuous rim portion connecting the ends of the arms, each arm being bent to present a shorter inner arm section connected to the central portion and inclining in one direction relative to the plane thereof and a longer outer arm section connected to the rim portion and which inclines in the opposite direction relative to the plane of the central portion and thereby makes an angle with the shorter arm section, said disk-like members being assembled with the central portions in registering engagement and with the apices of the bent portions of the arms of one member occupying the spaces between the arms of the other member, and with the longer outer arm sections of the two members having a crossing relation and forming between them a V groove having interrupted side walls, each side wall having openings opposite the solid portions of the opposite side wall.

2,074,200
PREPARED CHEMICALS AND METHOD OF PREPARING THE SAME
Walther Barth, Binghamton, and John Forrest, Windsor, N. Y., assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application February 8, 1935, Serial No. 5,666
4 Claims. (Cl. 23—245)



1. A package of hypo fixing material comprising a molded solid mass of partly substantially anhydrous and partly crystalline hypo.

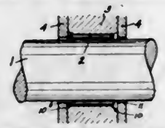
2,074,201
AIRFOIL USED IN AERONAUTICS
Louis Béchereau, Paris, France, assignor to Society Avions Kellner-Béchereau, Billancourt, France, a corporation of France
Application January 25, 1935, Serial No. 3,504
In France January 29, 1934
5 Claims. (Cl. 244—91)



2. An airplane wing including an integral substantially rigid bulge arranged so that its plane of maximum cross section is disposed substantially perpendicular to the wing and transversely thereof, said bulge projecting from the upper and lower face of said wing and having continuously curved surfaces gradually merging into said wing, said bulge extending toward the rear beyond the trailing edge of said wing.

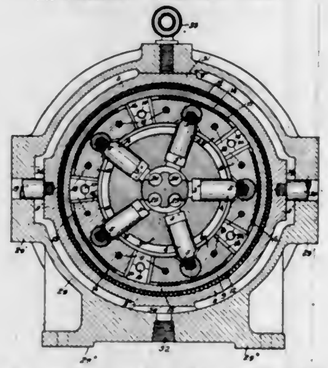
2,074,202
BEARING
Elek Benedek, Mount Gilead, Ohio
Application November 4, 1932, Serial No. 641,186
16 Claims. (Cl. 308—202)

1. An anti-friction bearing means comprising a pair of relatively movable bearing members, a plurality of elongated cageless needle rollers of circular cross section interposed between the members for transmitting loads from one member to the other, the axes of said needle rollers extending transversely of the direction of relative movement of said members and being in rolling engagement with said members under normal load conditions, said needle rollers being very slightly spaced from each other in the direction of movement of the members to provide capillary interspaces for retaining capillary films of fluid between adjacent rollers, said films constraining the needle rollers to said spaced relation with



respect to each other as the needle rollers roll on said members, whereby the needles may roll freely about their axes respectively substantially unrestrained by frictional engagement with each other.

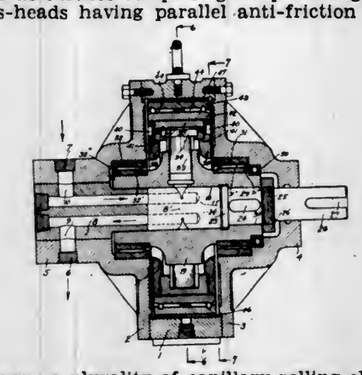
2,074,203
PUMP
Elek Benedek, Mount Gilead, Ohio
Application November 28, 1932, Serial No. 644,675
12 Claims. (Cl. 103—161)



9. In a pump or motor, the combination of a plurality of rotatable radial piston and cylinder assemblies, each including a relatively reciprocable member having a thrust-transmitting surface; rotatable annular reaction means surrounding said assemblies and having thrust-transmitting surface portions associated respectively with the thrust-transmitting surfaces of said reciprocable members; and needle bearing equipment interposed between the thrust-transmitting surfaces of said reciprocable members and the associated thrust-transmitting surfaces of said reaction means, said needle bearing equipment comprising a plurality of parallel, closely contiguous, individually rolling elements of very small diameter, said elements being of such size and so closely positioned relatively to each other as to provide, conjointly with said associated thrust-transmitting surfaces, a plurality of capillary oil spaces containing bodies of oil, whereby the load on each of said reciprocable members is distributed over a substantially continuous area constituted by the needle bearing elements and the capillary oil bodies, the continuous load-transmitting area providing also for rapid transfer of heat by conduction from said reciprocable elements to said reaction means.

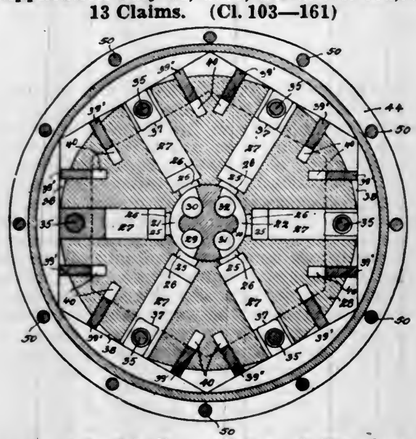
2,074,204
HYDRAULIC APPARATUS
Elek Benedek, Mount Gilead, Ohio
Application April 27, 1933, Serial No. 668,254
13 Claims. (Cl. 103—161)

1. In a pump or motor of the character described, in combination with a casing, of a pintle secured therein, a cylinder barrel mounted for rotation around said pintle and supported in the casing, a radial series of piston and cylinder assemblies carried by said cylinder barrel, a reactance member surrounding said assemblies and operatively engaging the same, said reactance member including capillary thrust rolling means and centrifugal pressure lubricating means simultaneously to support the working reaction of said assemblies between said reactance means and said pintle respectively, said piston and cylinder assemblies comprising reciprocating piston cross-heads having parallel anti-friction rolling



surfaces, a plurality of capillary rolling elements disposed in rolling engagement with each of said rolling surfaces to support the working reaction of the pistons during pressure and suction stroke respectively, and means surrounding said rolling elements collectively and carried by said elements only to maintain said elements collectively in parallel rolling relation and being free from individual connection with each, thereby eliminating sliding friction between said means and said individual elements and increasing the efficiency and thrust capacity of the rolling elements in their entirety.

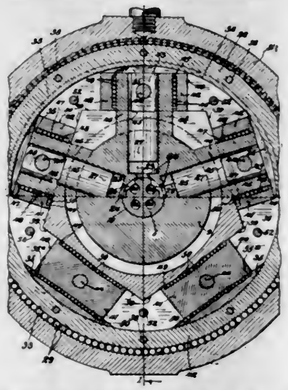
2,074,205
FLUID PRESSURE GENERATOR
Elek Benedek, Mount Gilead, Ohio
Application July 24, 1933, Serial No. 681,991
13 Claims. (Cl. 103—161)



1. In a hydraulic machine of the class described, in combination, a casing, a primary driving member comprising a cylinder barrel, a secondary driven member comprising a piston actuating member, pistons carried by the primary

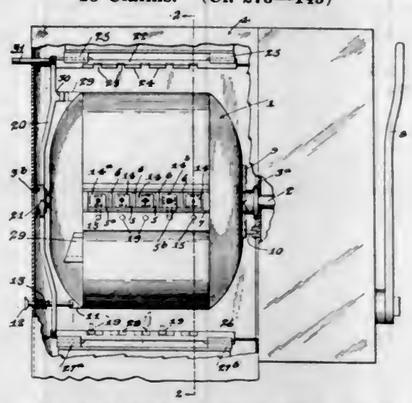
driving member and operable by said secondary member, and movable coupling members intermediate the cylinder barrel and piston actuating member, the same comprising slides embodying spaced parallel ends and spaced parallel sides, the piston actuating member having slideways for the sides of said slides and the cylinder barrel being formed with guideways to receive the ends of said slides each side of said slides being provided with a pair of radially aligned parallel plain bearing surfaces for free sliding reciprocation in the slideways of said slide, and each end of said slides being provided with a pair of parallel plain bearing surfaces for free sliding reciprocation in the guideways of said cylinder barrel, said ends being disposed parallel with the axis of the piston, and normal to the reciprocation of the sides, and pivotal connecting means between the pistons and the said slides such that the slides provide floating mountings in the piston actuating member for the outer ends of the pistons carried by the barrel and thrust means formed with the pistons, laterally at both sides thereof, to engage the sides of said slides during pressure cycle of the pistons and cylinders, substantially as specified.

2,074,206
HYDRAULIC PUMP OR MOTOR
Elek K. Benedek, Bucyrus, Ohio
Application October 16, 1935, Serial No. 45,326
16 Claims. (Cl. 103—161)



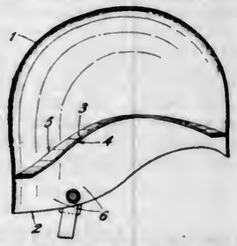
1. In a hydraulic pump or motor the combination of a plurality of rotatable radial piston and cylinder assemblies each including a relatively non-reciprocable member and a relatively reciprocable member; a rotatable ring assembly provided with parallel outer and inner bearing surfaces perpendicular to the axes of the respective piston and cylinder assemblies; and means for transmitting force between said ring assembly and the reciprocable members of said piston and cylinder assemblies comprising for each piston and cylinder assembly a slide block, roller bearing elements disposed between said slide block and said bearing surfaces, means for transmitting driving torque directly between the non-reciprocable member and said slide block, a pintle connection between the slide block and the relatively reciprocable member for transmitting force therebetween during movement of the relatively reciprocable member in one direction, and a separate and independent connection for transmitting force between said slide block and said relatively reciprocable member during movement of the latter in the opposite direction, said last named connection comprising a shoulder on said relatively reciprocable member with which the slide block is in direct driving engagement.

2,074,207
GAME APPARATUS FOR AMUSEMENT PURPOSES
James A. Bracewell, Tulsa, Okla.
Application December 19, 1935, Serial No. 55,272
13 Claims. (Cl. 273—145)



1. A game apparatus comprising a rotatable housing, a quantity of playing elements contained therein, a series of pockets in said housing adapted to receive some of said elements and to present same visibly to the view of an observer in a first rotation of said housing, means for retaining desired ones of said elements in said pockets during a second rotation of said housing while permitting undesired ones of said playing elements to be expelled from said pockets and to be replaced by different ones of said playing elements from said quantity to thereby produce an at least partially new combination of said playing elements and to present same visibly to the view of said observer, means thereafter for releasing said retained playing elements and for preventing the return of said new combination for view a second time in the course of a single game, and means for rotating said housing.

2,074,208
BATHING CAP
Frank Brighten, London, England
Application January 22, 1936, Serial No. 60,342
In Great Britain February 4, 1935
1 Claim. (Cl. 2—68)



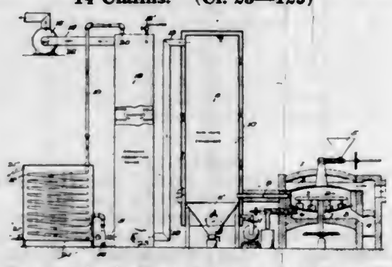
A bathing cap comprising a hollow, closed-top, open-bottom body of elastic material, and a strip of elastic material extending entirely around said body interiorly thereof and joined along its outer edge with said body along a line such that when the cap is applied to the head said strip engages the forehead and the neck and the sides of the head above the ears, said strip being free at its inner edge and being formed to extend inwardly from the cap body at substantially right angles thereto when the cap is in an open unworn condition and being relatively thin so that when the cap is pulled onto the head said strip bends freely upwardly and its free or inner edge portion is stretched and its under face adjacent to its free edge is brought into snug, watertight engagement with the head, said strip also being of greater width at the sides of the cap than at the front and the rear thereof to assure a watertight engagement of the strip throughout its length with the head when the cap is applied to the head.

2,074,209
DUST CLOTH BROOM HOLDER
Hugh A. Britt, Warrensburg, Mo.
Application March 30, 1936, Serial No. 71,780
1 Claim. (Cl. 15—247)



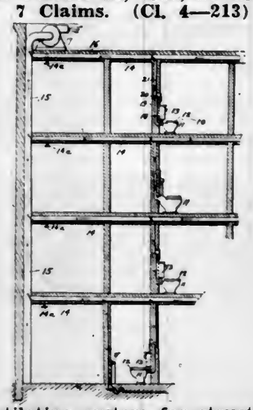
A holder comprising a pair of coil springs, side members connecting the coil springs and each including a bar bent and twisted to form an eye employed to engage with a support and having its ends bent to form eyes, elements received by the last-named eyes and bent to form eyes to receive the ends of the springs and having their other ends enlarged to form heads to abut the second-named eyes.

2,074,210
METHOD OF PREPARING METALLIC SULPHATES FROM SULPHIDE ORES AND THE LIKE
John Henry Calbeck, Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
Application April 15, 1935, Serial No. 16,521
14 Claims. (Cl. 23—125)



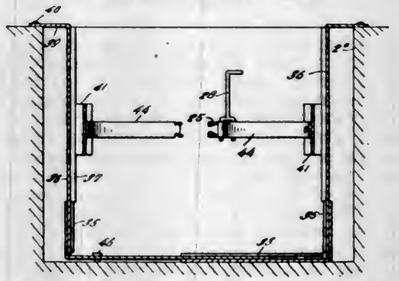
1. In a method of preparing a metallic sulphate from the corresponding metallic sulphide, the step which consists in calcining the sulphide with an ammonium sulphate at a temperature sufficiently high to volatilize all reaction products except the sulphates.

2,074,211
TOILET VENTILATING APPARATUS AND VENTILATING METHOD
Stanley H. Churchill, Edmonton, Alberta, Canada
Application October 25, 1934, Serial No. 750,003
7 Claims. (Cl. 4—213)



1. A ventilating system for structures having a plurality of rooms equipped with toilet fixtures, comprising individual air passages leading from respective fixtures, a common air passage to which said individual passages run and having an outlet to the structure exterior, and constantly acting air-current inducing means that cause air flow through such passages to and out of such outlet, supplemental means in the individual passages to cause air flow through them from their toilet fixtures, and means to place such supplemental means in action only when the fixture is in use.

2,074,212
CAN HOLDER
Bernard W. Conner, Rudd, Iowa
Application December 19, 1935, Serial No. 55,300
1 Claim. (Cl. 248—154)



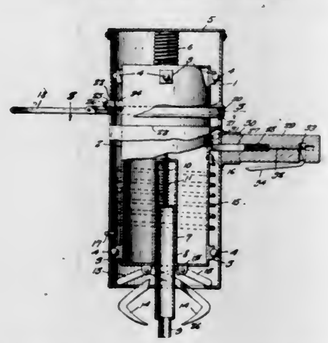
A can holding device, a base comprising a pair of complemental plates arranged in overlapping relation, one of said plates being provided at opposite sides thereof with internal grooves receiving the marginal edges of the other of said plates, and each of said plates having at one end an upstanding flange portion provided at opposite side edges thereof with internal channels, a supporting plate having an end engaging in the channels of the upstanding end of each of the first mentioned plates, a member slidably mounted on each of the supporting plates, interengaging means on the supporting plate and said slidable member for securing the latter at the desired vertical adjustment, and a cam holding and embracing device mounted on said slidable member.

2,074,213
CONDUIT CLEANER
Katherine V. Deem, Buffalo, N. Y.
Application December 10, 1935, Serial No. 53,775
1 Claim. (Cl. 15—104.20)



A conduit cleaner comprising, in combination, a cleaning tool engageable in a conduit, a flexible drive shaft secured to one end of said cleaning tool, means for driving said shaft for rotating the cleaning tool, and a flexible cable swivelly secured to the other end of the cleaning tool for drawing said cleaning tool through the conduit.

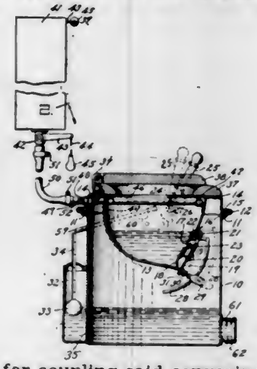
2,074,214
STOCK DEHORNER
Columbus F. Edmonson, Millersview, Tex.
Application November 6, 1935, Serial No. 48,557
6 Claims. (Cl. 128—308)



1. A dehorner comprising opposed cutting elements and a horn centering plunger, rotatably mounted spring wound mounting means for pivotally mounting the said cutting elements and resiliently mounting the said plunger in a normally extended position between the cutting elements, means for placing the said mounting means under tension with the cutting elements spread on each side of the plunger, actuating means to release the tension on the mounting means, to cause the latter to rotate the cutting elements, means to cause the cutting elements to approach each other for cutting action upon releasing the mounting means, and the resilient mounting of the plunger permitting its retraction from between the cutting elements.

2,074,215
TOILET
Edward B. Fry, Detroit, Mich.
Application June 15, 1936, Serial No. 85,199
12 Claims. (Cl. 4—123)

1. A toilet comprising a container, having a gauge and a drain therein, a bowl assembly superimposed upon said container, said bowl assembly being arc-shaped in cross-section, a flushing conduit discharging into the bowl, water supply means for flushing and filling said bowl including a supply tank, means for conveying water from said tank to said flushing conduit,



and means for coupling said conveying means to said flushing conduit.

2,074,216
TYPOGRAPHICAL FONT
Hari G. Govil, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application April 7, 1933, Serial No. 664,862
29 Claims. (Cl. 199—66)



1. A typographical font comprising at least five groups of elements, each element bearing an incomplete non-indicative character, the elements of one group being adapted to be joined laterally with elements of the other groups to produce complete indicative characters, three of said groups comprising respectively elements which always occupy initial, medial and final positions in the formation of a complete character, and the two remaining groups comprising respectively elements which occupy an initial or a medial position and a medial or a final position in the formation of a complete character.

2,074,217
WINDING CARRIER FOR FRESHLY SPUN THREADS OF ARTIFICIAL SILK
Theodor Grauer, Horn, Switzerland, assignor to the firm Feldmühle A. G. vormals Loeb Schoenfeld & Co. Rorschach, Rorschach, Switzerland
Application February 12, 1934, Serial No. 710,934
In Germany February 18, 1933
3 Claims. (Cl. 242—118)

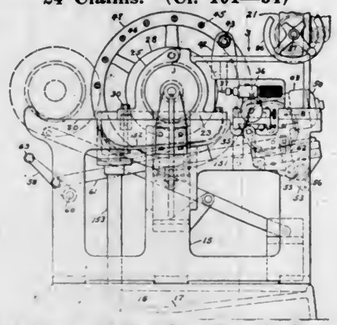
3. A winding carrier for freshly spun artificial silk threads having supporting members, lateral

peripheral margins, the supporting members connecting the lateral peripheral margins forming therewith a peripheral channel for receiving the thread, said lateral peripheral margins having guides in which said supporting members lie and in which they are slidable, to reduce the diameter of the winding channel at any time for the relaxation of the thread winding, means



for limiting the radial sliding of the supporting members in said guides, an open resilient ring for supporting the supporting members, and means including a pivoted control arm connected with the ends of said ring for expanding or contracting and holding said resilient member relatively unyieldingly to serve as a relatively rigid support for said supporting members.

2,074,218
MECHANISM AND METHOD OF MARKING, SQUEEGEEING, AND DEVELOPING PRINTING CYLINDERS
Gustave A. Friess, Rye Township, Westchester County, N. Y., assignor to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York
Application July 12, 1935, Serial No. 31,082
24 Claims. (Cl. 101—34)

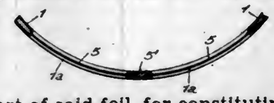


1. In a device of the class described, means for rotatably supporting a printing cylinder, a roller mounted to coact with the printing cylinder and to engage a sensitized tissue positioned on the peripheral surface of the cylinder, and means for conveying confined fluid to and depositing it on the peripheral surface of the cylinder and the sensitized tissue along a line near the line on which the roller engages the tissue on the cylinder.

23. In a device of the class described, a frame, means for rotatably supporting a printing cylinder on the frame, means coacting with the cylinder to secure a sensitized tissue to the cylinder during the rotation of the cylinder, and a motor drive unit for rotating the cylinder, the entire motor unit being manually movable to and from cylinder operating positions.

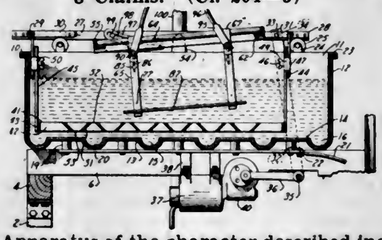
2,074,219
GAS MASK
Franz Hofstötter, Zurich, Switzerland
Application September 1, 1936, Serial No. 98,936
In Germany September 9, 1935
4 Claims. (Cl. 128—141)

1. In a gas-mask, a foundation of fabric, eyeholes provided in said foundation, and an airtight, transparent, pliable foil covering said foundation throughout its areal extent and forming a self-supporting window across said eyeholes as an



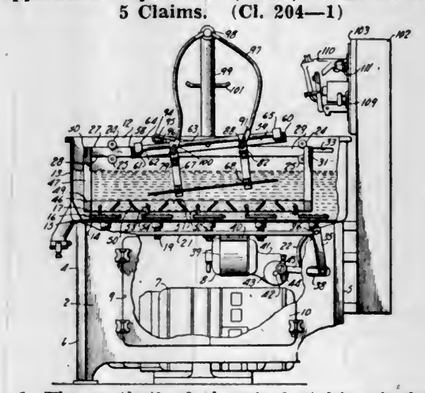
integral part of said foil, for constituting a jointless gas-mask together with said foundation.

2,074,220
APPARATUS FOR ELECTRICAL ETCHING
Louis E. Holland, Kansas City, Mo.
Application November 23, 1933, Serial No. 699,365
8 Claims. (Cl. 204—5)



6. Apparatus of the character described including a tank, means for supporting a plate to be etched within an electrolyte contained by the tank, and a member reciprocable in the electrolyte in a path substantially parallel with the plate, including blades inclined to the path of said member for directing currents of the electrolyte to flushing contact with the plate in response to reciprocation of said member in the bath.

2,074,221
METHOD OF ETCHING PLATES
Louis E. Holland, Kansas City, Mo.
Application September 9, 1935, Serial No. 39,711
5 Claims. (Cl. 204—1)

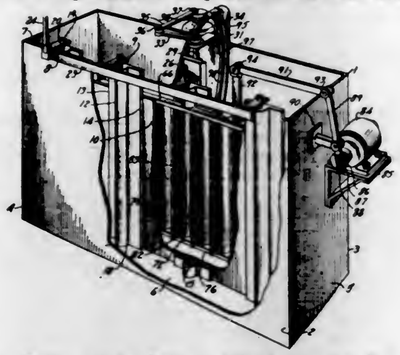


1. The method of electrical etching including suspending a plate to be etched within a bath of etching solution, creating flushing currents of the solution in the direction of the plate alternately in opposite directions, and intermittently reversing inclination of the plate to successively present the face of the plate to the alternating flushing currents.

2,074,222
APPARATUS FOR ETCHING PLATES
Louis E. Holland, Kansas City, Mo.
Application November 18, 1935, Serial No. 50,341
9 Claims. (Cl. 204—5)

1. In an apparatus of the character described, means for supporting a plate to be etched in

vertical position in a body of electrolyte, means for passing an electrical current through the plate and electrolyte to effect dissociation of particles from the plate, a plurality of blades mounted for reciprocation in parallel relation with a



side of the plate being etched, means for reciprocating said blades for directing the electrolyte against the plate and washing dissociated particles from the plate, and means for oscillating the plate to different angular positions relative to said blades.

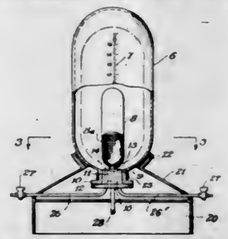
2,074,223

BLOOD TRANSFUSION APPARATUS

Fred T. Horiuchi, New York, N. Y.

Application November 5, 1935, Serial No. 48,371

5 Claims. (Cl. 128—214)



1. Blood transfusion apparatus comprising a substantially rigid vessel adapted to receive and hold blood and having an opening, a member within said vessel adapted to be inflated and deflated, an inlet and an outlet tube connected into said vessel, a tube connected into said member, a bulb for inflating said member, a pair of guides oppositely connected onto said bulb, and a pair of opposed springs, the ends of which are slidably retained in said guide.

2,074,224

DRAWING WIRE

Carl Johnson, Maplewood, N. J., assignor to Oakite Products, Inc., a corporation of New York

No Drawing. Application May 13, 1935, Serial No. 21,295

28 Claims. (Cl. 205—21)

1. A composition for coating metal which is to be submitted to a drawing operation in the manufacture of wire, comprising an alkaline compound of an alkali metal, and water-insoluble compound which is inert to the alkaline material and which consists principally of a hydrated silicate of at least one substance selected from the group consisting of magnesium and aluminum.

2,074,225

AZO DYESTUFFS AND THEIR MANUFACTURE

Adolf Krebser, Riehen, near Basel, Switzerland, assignor to the firm J. R. Geigy, A. G., Basel, Switzerland

No Drawing. Application October 16, 1935, Serial No. 45,359. In Germany November 10, 1934

8 Claims. (Cl. 260—93)

8. Ortho-hydroxyazo-dyestuffs from an ortho-hydroxy-diazonium compound and an N-acyl-derivative of 2-amino-6-hydroxynaphthalene-8-sulphonic acid, said dyestuffs yielding dyeings which, when chromed, have remarkable properties of fastness.

2,074,226

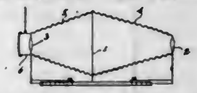
METHOD OF AND APPARATUS FOR RENDERING OBJECTS VISIBLE IN INFRARED RAYS

Josef Kunz and Franz Urbach, Vienna, Austria; said Urbach assignor to said Kunz

Application May 21, 1936, Serial No. 81,090

In Germany May 18, 1935

12 Claims. (Cl. 250—1)



1. Method of rendering visible objects situated in the dark or covered by fog, which comprises producing an infra-red real image of the objects upon an excited and superficially extended phosphor, the stored up light energy of which is expelled mainly with light emission by infra-red light in proportion to the intensity of the latter, and maintaining the phosphor during the observation of the said image at so low a temperature that the spontaneous emission is practically inhibited.

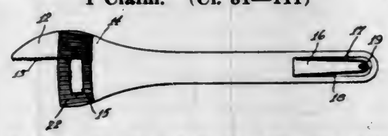
2,074,227

ADJUSTABLE WRENCH

Edward H. Luckey, Kansas City, Mo.

Application October 6, 1936, Serial No. 104,320

1 Claim. (Cl. 81—111)



A wrench of the character described comprising levers each having a jaw at one end, a pivot swingingly connecting the levers together, interlocking faces formed on said levers, means for interlocking the faces with each other, and a distorted double arm spring confined between the levers and active thereon in two directions at right angles to each other for the simultaneous opening of the jaws and separating the interlocking faces from each other, said means including a tail nut carrying bolt, the levers at the interlocking faces being slotted for accommodating said bolt.

2,074,228

LIGHT METAL PISTON

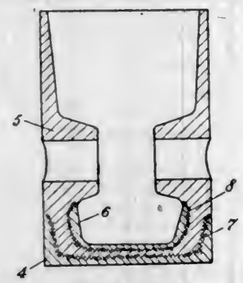
Ernst Mahle, Stuttgart, Germany

Application January 9, 1936, Serial No. 58,366

In Germany March 25, 1935

3 Claims. (Cl. 309—14)

1. A piston for internal combustion engines, comprising a plurality of sections respectively formed of an alloy lighter in weight than ordinary cast iron, said sections respectively having a different composition, and being joined together by an intermediate alloy bond consisting of a part



of the material comprising said respective sections.

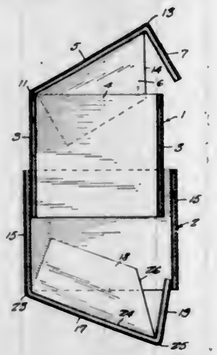
2,074,229

COLLAPSIBLE CONTAINER

Austin C. McKee, Oklahoma City, Okla.

Application May 23, 1936, Serial No. 81,490

5 Claims. (Cl. 229—23)



1. A container comprising, nesting sections separative from nesting relation, each section including end and side walls hinged together for folding upon each other, the folded walls of one section forming an envelope, and the folded walls of the other section fitting within the envelope thus formed.

3. A container comprising, a pair of sections adapted to nest one within the other, said sections comprising a pair of cover walls hinged to said sections, respectively, in opposed relation and provided with edge flaps adapted to be inserted between said sections to form in the closed position of said cover walls reinforcing walls intermediate the ends and one side of the sections, respectively.

2,074,230

COFFEEPOT

Samuel McMahon, Durban, Natal, Union of South Africa

Application November 29, 1935, Serial No. 52,227

In Union of South Africa January 31, 1935

2 Claims. (Cl. 53—3)

1. A cooking utensil comprising a lower container and an upper container seated upon said lower container in such a manner that the upper is heated by the heat from the lower in the manner of a double sauce pan, said containers having separate spouts whose ends are adjacent, said upper container having a top opening and a cover therefor, said opening and cover being in-



clined away from said spouts to prevent loss of liquid as the utensil is tilted.

2,074,231

CAN AND CLOSURE THEREFOR

Lawrence B. Meacham, Baltimore, Md.

Application February 5, 1936, Serial No. 62,540

4 Claims. (Cl. 220—60)



1. The combination with a container having an inwardly turned substantially horizontal flange provided at its inner edge with an upstanding projection terminating in a substantially vertical depending flange, said vertical flange having an interlocking rib extending inwardly therefrom, of a removable and insertable closure for the container, said closure having a substantially horizontal resilient flange to engage said upstanding projection and a depending frictional flange for engaging the vertical flange of the container, said frictional flange having a circumferential groove for receiving said rib, the vertical flange on the container being of such length as to cause the rib to engage the lower wall of the groove and the projection to engage said horizontal resilient flange when the parts are set up, the engagement of the interlocking rib with the lower wall of the groove moving the projection on the container into sealing engagement with said horizontal flange.

2,074,232

PROCESS AND APPARATUS FOR DRYING ARTIFICIAL SILK

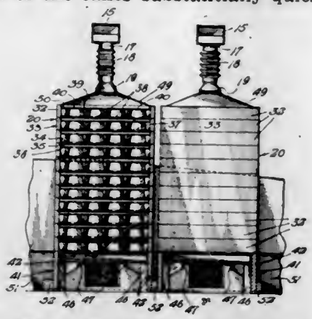
Adrian J. L. Moritz, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware

Application July 25, 1934, Serial No. 736,939

13 Claims. (Cl. 34—24)

1. A method of drying cakes of artificial silk thread and the like to cause the thread therein to have uniform drying from the inside to the outside thereof which comprises arranging cakes of artificial silk in trays, positioning the trays one upon another to form a substantially air tight stack, passing separate currents of drying gas through the thread free interiors of cakes arranged in one of the trays, commingling the gas of said currents to assure substantial uniformity of moisture content of the gas, dividing the body of commingled gas, passing the divisions of gas as separate currents through the thread free

interiors of the stacked cakes in adjacent trays, and maintaining the air in contact with the exterior of the cakes substantially quiescent and



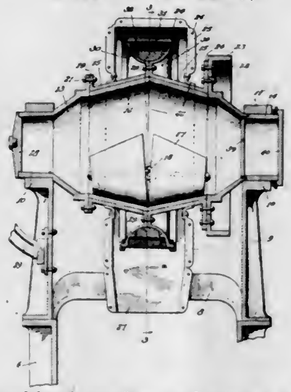
in a confined state whereby drying proceeds through the body of the cakes by permeation of the said heated gas only.

2,074,233

COMBINED CRUSHER AND SCREEN

Oliver J. Moussette, Sr., Queens Village, N. Y.

Application July 22, 1935, Serial No. 32,676
1 Claim. (Cl. 83—9)



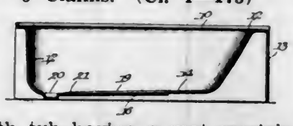
In a combined crusher and screen, a supporting frame, standards carried by said frame and provided with bearings, a drum having a hollow body provided with external annular flanges at its ends, hollow frusto-conical end sections provided with external annular flanges about their inner ends secured against the flanges of the body, the flange at one end of the body being of greater width than the adjoining end section and projecting radially therefrom, a pulley secured against the outer side face of the projecting portion of the last-mentioned flange of the body and fitting snugly about the flange of the end section secured thereto, said end sections having hollow cylindrical extensions open at their outer and inner ends and constituting journals rotatably mounted in said bearings, removable closures for outer ends of said journals, a removable plate for closing the inner end of one journal at its junction with the companion frusto-conical end section and preventing material from entering the journal, crushing means in said drum between the end sections thereof, a screen surrounding said drum, the drum having an outlet for delivering crushed material to the screen, and a casing surrounding the screen and drum and being secured to said frame and having an outlet.

2,074,234

BATHTUB

Robert Mueller, Decatur, Ill.

Application December 23, 1935, Serial No. 55,910
6 Claims. (Cl. 4—173)



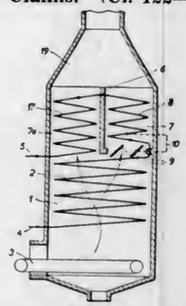
1. A bath tub having a mat receiving recess formed in its bottom, said recess having a portion thereof merging with the surface of the bottom to permit drainage of water from the recess.

2,074,235

TUBULAR CONTINUOUS-FLOW STEAM GENERATOR

Christoph Müller, Kassel-Wilhelmshohe, Germany, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Kassel-Wilhelmshohe, Germany

Application April 25, 1935, Serial No. 18,239
In Germany May 19, 1934
8 Claims. (Cl. 122—249)



1. A continuous flow steam generator, comprising a steam generated heating surface, walls defining a main chamber through which the main current of heating gases flows and a second chamber separated from the main chamber, said second chamber enclosing that zone of the heating surface in which the liquid is transformed into steam, means for conducting a portion of the main current of heating gases to said second chamber and leading off the gases therefrom, regulating means responsive to one of the physical properties of the steam for controlling the flow of gases through said conducting means, and means for introducing atmospheric air into said second chamber.

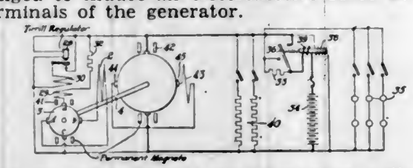
2,074,236

DYNAMO-ELECTRIC GENERATING APPARATUS

Giuseppe Massimo Pestarini, Sheffield, England

Application March 2, 1934, Serial No. 713,628
In Great Britain March 3, 1933
16 Claims. (Cl. 171—313)

1. In combination, a main dynamo-electric machine adapted to operate at variable speed, a metadyne comprising a commutator-type dynamo-electric machine having a set of primary brushes and a set of secondary brushes in substantially quadrature relation to the primary brushes, means for causing the metadyne to rotate at a speed having substantially a predetermined relation to the speed of the main dynamo-electric machine, said main machine having an exciting field winding, means including the secondary brush circuit of said metadyne for energizing said exciting field winding, and a direct-current voltage-circuit for feeding the primary brush circuit of said metadyne, at least one of the dynamo-electric machines being provided with a permanent magnet which is arranged to induce an electromotive force at the terminals of the generator.



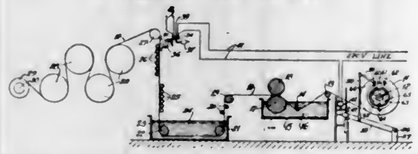
16. In combination, a storage battery, a direct-current load-circuit therefor, a main dynamo-electric machine adapted to operate as a direct-current generator at a variable speed, said generator having a single main output-circuit, switching means, responsive to the voltage of said single main output-circuit and to the current flowing between said single main output-circuit and said battery and load-circuit, for causing said single main output-circuit to be connected to both said battery and said load-circuit when the voltage of said single main output-circuit attains a predetermined value, and for causing said connection to be broken at other times, a metadyne comprising a commutator-type dynamo-electric machine having a set of primary brushes and a set of secondary brushes in substantially quadrature relation to the primary brushes, means for causing the metadyne to rotate at a speed having substantially a predetermined relation to the speed of the main dynamo-electric machine, said main machine having an exciting field winding, means including the secondary brush circuit of said metadyne for energizing said exciting field winding, and feeding-circuit means operative, when the generator has attained a predetermined speed, to apply such a direct-current voltage to the primary brushes of the metadyne so as to mainain a predetermined substantially constant value of the product of speed times the current in the exciting field winding of the generator, said feeding-circuit means being operative, at other times, to apply a smaller direct-current voltage to the primary brushes of the metadyne, so as to maintain a lower value of the product of speed times the current in the exciting field winding of the generator.

2,074,237

AUTOMATIC BREAK-OFF MECHANISM

Harold E. Pierce, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application May 11, 1935, Serial No. 20,995
5 Claims. (Cl. 91—14)



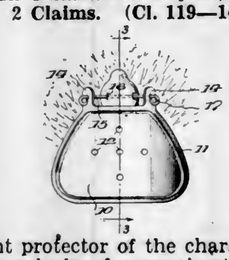
5. An apparatus for continuously treating web material comprising a delivery roll for supporting a roll of web material to be treated, braking mechanism on the delivery roll, a receptacle containing a treating substance through which said web is continuously passed, severing means positioned intermediate the said delivery roll and said receptacle for severing said web, means for drawing forward said web under tension, an emergency contact member responsive to abnormalities in the tensioning of said web due to accidental breakage of said web and movable from normal position when said breakage occurs, means responsive to movement of said contact member from said normal position for actuating said severing means and means for substantially simultaneously effecting actuation of the braking mechanism for stopping rotation of said delivery roll to prevent excess feeding of said web material into said receptacle.

2,074,238

PICK OUT SHIELD

Maurice L. Rudolph, Vineland, N. J.

Application September 20, 1935, Serial No. 41,495
In Canada January 19, 1935
2 Claims. (Cl. 119—143)



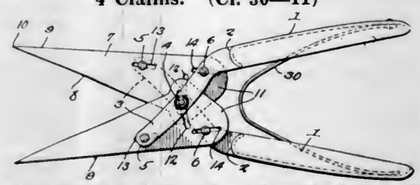
2. A vent protector of the character described comprising a body of approximately trapezoidal shape in rear view with the narrowest edge at the top and the widest edge at the bottom, said body being of concavo-convex form so shaped as to conform to the contour of the rear portion of a chicken, upwardly projected ears located at the points of intersection of the top edge and the side edges respectively of said body, each of said ears having a hole therein, said ears being so spaced as to straddle the tail head of said chicken, and arranged with their side walls in relatively diverging relation, so that their inner faces will be disposed opposite to said tail head while the shield is in operative position, a pivot pin having a straight portion passed through the holes in said ears and adapted to be passed through said tail head, and means at the ends of the pin for limiting movement of the shield longitudinally of the pin, said pin and said shield being so constructed and arranged that the shield is free to swing upon said pin while the parts are in operative position.

2,074,239

HAND TOOL

William Rush, Washington, D. C.

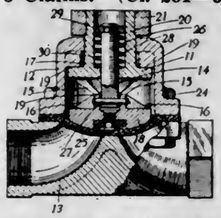
Application April 4, 1936, Serial No. 72,818
4 Claims. (Cl. 30—11)



1. An article of the class described including opposed floating elements having cooperating work engaging portions, portions of said elements being disposed in lapped relation and transversely slotted, there being a pair of longitudinal slots in each of said elements, opposed handles having crossed arms, said elements be-

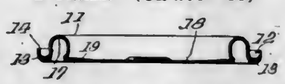
ing extended between the arms, a pivot device connecting the arms at their point of crossing and extending through the transverse slots, and separate means on each arm for sliding engagement within one of the slots of each of the respective pairs of longitudinal slots in the floating elements.

2,074,240
DIAPHRAGM VALVE
Philip Keith Saunders, Wolverhampton, England, assignor to Saunders Inventions Limited, Johannesburg, Union of South Africa
Application August 22, 1935, Serial No. 37,387
In Great Britain August 23, 1934
3 Claims. (Cl. 251—39)



1. Actuating mechanism for a diaphragm valve, including an axially-movable stem for opening and closing the valve, a quick-acting rotatable cam, and means interconnecting said cam and stem whereby said stem is positively movable in both directions on appropriate operation of said cam, said means including a flanged rim on the cam and means carried by said stem engaging opposite sides of said flanged rim, and said flanged rim having a portion removed to allow of assembly.

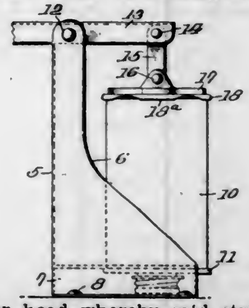
2,074,241
CONTAINER FOR DISPENSING GREASE
Herbert Schrader, Wheeling, W. Va., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 21, 1935, Serial No. 22,610
1 Claim. (Cl. 206—56)



A container for dispensing heavy bodied grease comprising a body portion, a bottom end clinched around the bottom edge of said body portion and having an annular recess within and adjacent the body wall of the body portion, the central portion of said bottom end being depressed at intervals adjacent said annular recess, and tool engaging shoulders formed from the inner wall of said recess in juxtaposition with said depressed portions and extending into said recess.

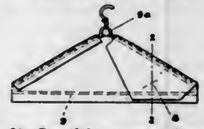
2,074,242
TOOL FOR STRIPPING ENDS FROM CONTAINERS
Herbert Schrader, Wheeling, W. Va., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 21, 1935, Serial No. 22,611
5 Claims. (Cl. 81—3.1)

1. A tool for stripping a clinched container end from the body thereof comprising a supporting frame including a retainer member having a recess conforming to the container and adapted to engage beneath the double seam joining the top end of the container to the body, a stripper head, means for attaching said stripper head to the bottom end of the container, a lever carried by said frame, a link connecting said lever to



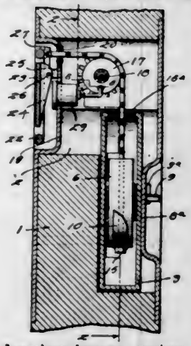
said stripper head whereby said stripper head may be moved away from said retainer member for forcibly stripping said bottom end from the container body.

2,074,243
COVER FOR GARMENT HANGERS
Harry Taff, Chicago, Ill.
Application January 26, 1934, Serial No. 708,359
5 Claims. (Cl. 223—98)



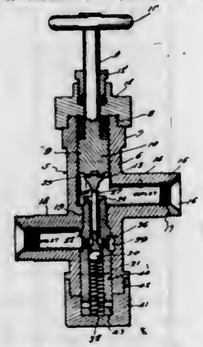
1. In a soft flexible cover for a hanger, comprising front and rear sections, a flap permanently securing said two sections at one side thereof to form an envelope therebetween with the bottom and said side closed, the other side being open through which a hanger is adapted to be inserted, a flap adjacent said other side adapted to close said opening.

2,074,244
BOLT ACTUATING MECHANISM
William G. Thurber, Santa Monica, Calif.
Application July 18, 1936, Serial No. 91,376
11 Claims. (Cl. 70—153)



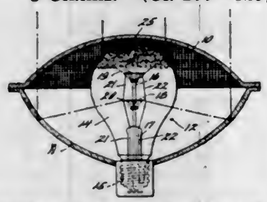
1. In a door having inner, outer, and front edge surfaces and a chamber, the said front edge surface having an opening leading into the chamber, a bolt rockably mounted in the chamber and projecting through said opening, the bolt when rocked being retracted into the chamber, a recess formed in the outer surface of the door, a finger element normally lying within the recess but removable therefrom, flexible means coupling said finger element with the bolt whereby removal of the finger element from the recess will effect the actuation of the bolt, and means for locking said finger element against movement.

2,074,245
HIGH PRESSURE AIR VALVE
William Williamson, Tiverton, R. I.
Application June 16, 1936, Serial No. 85,609
2 Claims. (Cl. 277—27)



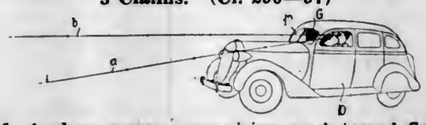
1. A high pressure valve of the character indicated comprising an elongated casing provided with a bore open at both ends, one end portion of said bore being interiorly threaded and the opposite end being smooth, a threaded valve operating stem screwed in the interiorly threaded end portion of the bore and including a pilot stem, lateral branches on opposite sides of said casing and constituting an inlet and outlet respectively and communicating with said bore, the midportion of the bore lying between the inlet and the outlet being screw threaded, a removable longitudinal valve cage disposed in the smooth portion of said bore and having an externally screw threaded upper end engaged with the screw threaded mid portion of the bore of the casing, said cage having a bore in which said pilot stem is disposed, a spring-pressed ball in the last-mentioned bore and engaged with said pilot, said cage having perforations in its side walls for establishing communication between the inlet of the casing and the bore of the cage, and tap means connected to the casing at the smooth bore end thereof and engaging over said valve cage for holding the spring-pressed ball in place.

2,074,246
TRAFFIC SIGNAL
Charles Adler, Jr., Baltimore, Md.
Application October 17, 1936, Serial No. 106,247
3 Claims. (Cl. 177—329)



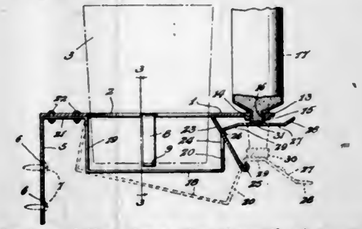
1. A signal comprising a reflector and a light diffusing cover glass, illuminating means positioned between the cover glass and said reflector, said illuminating means comprising electrical light sources arranged in longitudinal relation and connected in parallel, one of said light sources disposed in the focal plane of the reflector for causing substantially parallel reflected rays to illuminate the signal area and another having a longer life disposed out of the focal plane of the reflector.

2,074,247
GLARE INTERCEPTOR
Edward R. Armstrong, Atlantic City, N. J.
Application November 22, 1935, Serial No. 51,169
3 Claims. (Cl. 296—97)



1. A glare screen comprising an integral flexible sheet of material having alternating transparent and light-obstructing portions each extending through the thickness of the sheet from face to face thereof and arranged horizontally in substantial parallelism with one another, each obstructing portion having a thickness of 5 to 15 thousandths of an inch, the transparent portions each having a width substantially five times as wide as each adjacent obstructing portion, and the sheet having a uniform thickness greater than the width of the adjacent transparent portions.

2,074,248
HOLDER FOR A GLASS, TOOTH BRUSHES, AND A PASTE TUBE
Herbert C. Barbour, El Paso, Tex.
Application January 18, 1936, Serial No. 59,749
3 Claims. (Cl. 248—108)

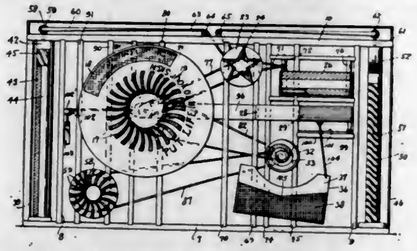


3. A device of the character described comprising a body adapted to support a tube in an upright position with the discharge neck of the tube open at its lower end, a closure member mounted under said body and normally in a raised position to dispose a portion in closing relation to the lower end of the neck of said tube, and means for guiding movement of said closure member into and out of position to close the neck of the tube extending through an opening formed in the closure member and adjacent its free end provided with an abutment adapted to engage the closure member and limit movement of the closure member in a direction away from the open end of the neck.

2,074,249
ADVERTISING APPARATUS
William Reinhard Bloh, Giddings, Tex.
Application November 6, 1934, Serial No. 751,781
1 Claim. (Cl. 40—133)

A display apparatus of the character described comprising a front panel having groups of open-

ings therein defining attractive symmetrical designs, a pair of horizontal shafts mounted behind the panel, each of the shafts being located rearwardly of a corresponding design on the panel, pulleys on the shafts, an endless belt trained over the said pulleys, drive means for one of the shafts,



each of the said shafts being provided with a disk on its end adjacent its corresponding panel design, said disks having ornate indicia on the panel sides thereof disposed in intersecting relation to the openings of the corresponding panel designs.

2,074,250

ADVERTISING DEVICE

Revella M. Bone, Ogden, Utah

Application July 1, 1936, Serial No. 88,455

3 Claims. (Cl. 40—129)



1. An advertising device for use on automobiles and comprising, a bracket having a right-angled base adapted to take under the edge of an automobile fender, a straight part adapted to extend above the fender in upright position, an oblique part intermediate said base and straight part adapted to overlie the crown of the fender, a clamping member removably secured to the right-angled base for co-operation therewith to clamp the bracket to the edge of the fender, and a panel for displaying advertising matter removably secured to said straight part.

2,074,251

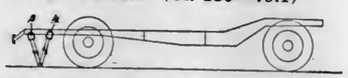
ARRANGEMENT FOR THE AUTOMATIC STEERING OF MOTOR VEHICLES

August Wilhelm Braun, Vienna, Austria

Application January 8, 1936, Serial No. 58,195

In Austria January 11, 1935

12 Claims. (Cl. 180—79.1)



1. Automatic steering mechanism for vehicles, comprising a steering device for said vehicle, a light-responsive electrical means mounted on the vehicle, a motor having a rotor operatively connected with said steering device to actuate the same, and an electrical circuit comprising a source of energy and operatively connecting said light-responsive means with said motor, whereby rays of light striking said light-responsive means will control the operation of the said motor and thereby of the steering device.

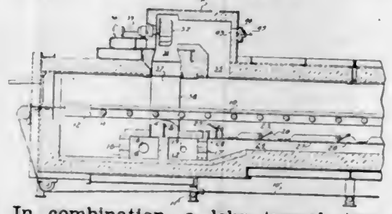
2,074,252

GLASS ANNEALING LEHR

Carroll Cone, near Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York

Application July 29, 1936, Serial No. 93,248

8 Claims. (Cl. 49—47)



1. In combination, a lehr tunnel, two conveyors arranged side by side in the tunnel for conveying glassware therethrough, two parallelly arranged flues one below each conveyor and extending lengthwise of the tunnel, means forming two chambers one for each conveyor crosswise thereof adjacent the ware intake end of the tunnel, burners individual to said chambers and to said flues for discharging hot combustion gases thereinto, means for withdrawing gases from the tunnel and for delivering the same to said flues and chambers, means for controlling the amount of withdrawn gas delivered to the respective flues and chambers, and each of said flues and chambers having outlets opening into the tunnel for discharging the gases into the latter.

2,074,253

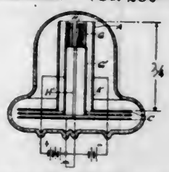
ULTRASHORT WAVE TUBE

Walter Dällenbach, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands

Application August 1, 1934, Serial No. 738,000

In Germany July 21, 1933

13 Claims. (Cl. 250—27.5)



1. An ultra-short wave tube, comprising a vacuum receptacle, a cathode in the vacuum receptacle, a grid concentric about the cathode, a solid wall anode concentric about the grid, a hollow outer conductor connected to the solid wall anode, a hollow inner conductor spaced away from the outer conductor and connected to the grid and a condenser entirely within said vacuum receptacle coupling the inner and outer conductors, the space between the outer and inner conductor, grid, solid wall anode and said condenser forming a resonator, the outer conductor forming an antenna.

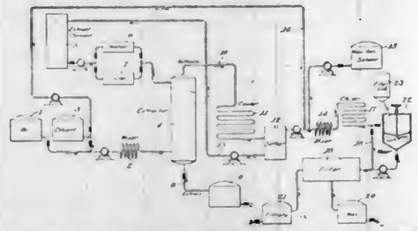
2,074,254

SOLVENT REFINING OF LUBRICATING OIL

Richard J. Dearborn, Summit, and William P. Gee, Plainfield, N. J., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application May 10, 1934, Serial No. 724,840

1 Claim. (Cl. 196—17)



In the manufacture of lubricating oil of low pour test and high viscosity index from viscous wax-bearing mineral oil, the method which comprises diluting wax-bearing oil comprising constituents of cylinder stock viscosity, extracting the dilute mixture with furfural at a temperature of around 150° to 300° F. and substantially above the solid point of the wax constituents, forming an extract phase containing low viscosity index constituents and a raffinate phase comprising high viscosity index oil, wax, some furfural and diluent liquid, cooling the raffinate phase to a temperature of around 90° F. to separate furfural therefrom, removing the portion of furfural so separated, mixing the remaining mixture of raffinate oil, wax and solvent with a further quantity of diluent and aliphatic ketone, such as acetone and methyl ethyl ketone, in proportions such that the solvent mixture has selective action as between oil and wax at a temperature of around 0° F., chilling the mixture to a temperature of 0° F. and below to precipitate the wax, and removing the wax so precipitated.

2,074,255

ROTARY ERASER

David A. Dodson, Washington, D. C.

Application March 14, 1936, Serial No. 68,937

8 Claims. (Cl. 120—36)



1. A rotary eraser comprising a shaft adapted to hold an eraser, means for supporting the shaft in a vertical plane and normally maintaining the eraser spaced from the surface to be erased, said means including means coacting with the eraser and adapted to limit the operation of the eraser to a predetermined erasable area, means for slidably supporting a casing on the upper end of said shaft and interacting means in connection with the casing for imparting a rotary movement to the shaft when moved longitudinally thereof.

2,074,256

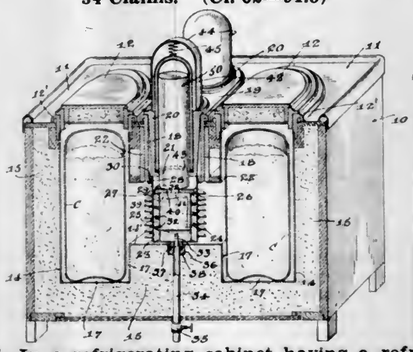
REFRIGERATING CABINET

Ernest Du Bois, Itterbeek, Chateau de Pierrefonds, Belgium, assignor to International Carbonic Engineering Company, Kennett Square, Pa., a corporation of Delaware

Application September 14, 1931, Serial No. 562,810

In Belgium February 10, 1931

34 Claims. (Cl. 62—91.5)



1. In a refrigerating cabinet having a refrigerating space therewithin and a top wall formed with an opening therethrough, a cooling unit in the cabinet including a container having heat conducting walls in thermal relation with the refrigerating space and an open top alined with the cabinet opening, the interior of said container sealed from the refrigerating space, a support at the upper end of the container for receiving a block of solid carbon dioxide, and a vacuum insulated vessel having an open lower end, removably mounted in and closing the cabinet top opening, and extending into the cabinet over, enclosing and insulating a block of carbon dioxide on said support, said removable, insulated vessel in mounted position extending upwardly a distance on the exterior of the cabinet.

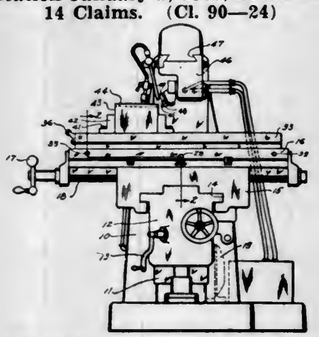
2,074,257

VIBRATING TOOL METALWORKING MACHINE

Hans Ernst and Mario E. Martellotti, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio

Application January 2, 1935, Serial No. 138

14 Claims. (Cl. 90—24)



1. A machine tool having a work support, a tool support, a cutter mounted in said tool sup-

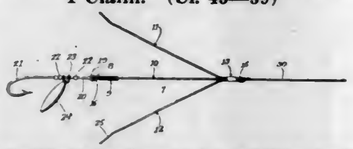
port for feeding movement relative to the work support, said cutter having a small acute angular cutting edge for making incisions in the work, a hammer mounted in adjacent relation to said edge for entering the incision and deforming the metal, and means to vibrate the hammer and the tool in different phase relation during feeding movement of the work support, including separate hydraulic channels leading to the hammer and tool respectively and a generator for alternately creating pressure waves in said channels.

2,074,258

PROTECTING ATTACHMENT FOR ARTIFICIAL BAIT

John Fravel, Ionia, Mich.

Application May 9, 1935, Serial No. 20,665
1 Claim. (Cl. 43—39)



A protecting attachment for artificial bait comprising a skeleton body including a centrally arranged combined coupler and leader element and a plurality of guard elements disposed concentrically of the coupler and leader element, means at the follower end of said coupler and leader element for connecting a fishing appliance thereto, a loop at the leading end of said coupler and leader element for connecting a fishing line thereto, said loop including a return part having a free end portion encircling said coupler and leader element, each of said guard elements having a leading end stretch disposed flatly against and in parallel relation to said coupler and leader element with the leading ends of said stretches disposed adjacent the coupler and leader encircling free end portion of said loop, said guard elements including diverging stretches extending outwardly and rearwardly from the leading stretches thereof, and a cementitious body encircling and concealing said coupler and leader encircling free end portion of said loop and the forward end portions of said leading stretches.

2,074,259

PHOTOGRAPHIC MATERIAL FOR PRODUCING DYESTUFF IMAGES

Béla Gaspar, Berlin, Germany

No Drawing. Application March 23, 1933, Serial No. 662,395. In Germany March 24, 1932
7 Claims. (Cl. 95—7)

1. Photographic material for the production of dyestuff images comprising a photographic colloid containing silver halide and dyed by means of a dyestuff which is fast to said colloid, resistant to ordinary photographic treating baths and which absorbs substantially all of the visible rays of the spectrum but transmits invisible rays, and a sensitizer sensitizing said colloid in respect to said invisible rays.

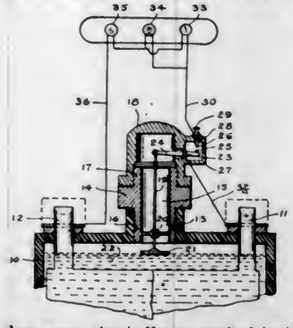
2,074,260

SAFETY GAUGE FOR BATTERIES

Percy Roy Gerow, Graysville, Manitoba, Canada

Application December 24, 1934, Serial No. 759,120
1 Claim. (Cl. 200—84)

A combined filler opening cap and circuit closer housing for storage batteries comprising a tubular member having one of its ends provided with screw threads for engagement with the filler opening of a battery, a screw cap threaded on the upper end of said member, an off-set chamber formed integral with one side of said cap, the wall between said cap and chamber having a relatively small passage establishing communication between said cap and chamber, a bearing in the lower end of said member, a rod slidably mounted in said bearing and extending beyond the ends of said member, a float attached to the lower end of said



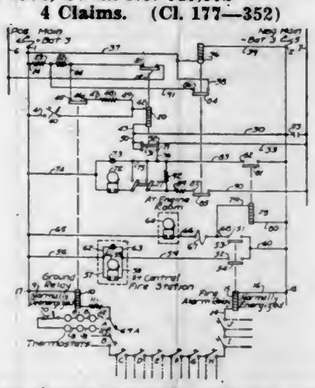
rod, a rocker arm pivotally mounted in the passage between said cap and chamber having one end pivotally connected to the upper end of said rod and its opposite end disposed in said chamber, a contact point carried by the end of said arm in said chamber, and a second contact point mounted in the top wall of said chamber adapted to be engaged by said contact point carried by said arm, when said float drops below a pre-determined level.

2,074,261

SUPERVISED ELECTRIC SYSTEM

Harry Campbell Grant, Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., New York, N. Y., a corporation of New York

Original application October 23, 1931, Serial No. 572,783. Divided and this application November 1, 1932, Serial No. 640,602
4 Claims. (Cl. 177—352)



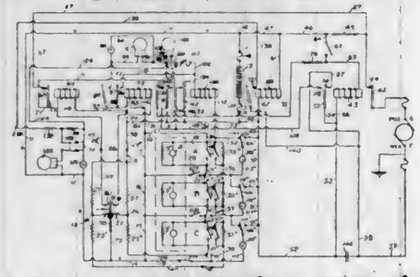
4. In an electrical supply arrangement for use with an electric circuit, a primary source of electric potential, a current limiting resistance in circuit between the primary source and the electric circuit, a secondary source of appreciably less electric potential than the primary source and normally under trickle charge from the primary source, an electro-responsive alarm, means responsive to failure of the primary source to disconnect the primary source from the secondary source and from the electric circuit, means operable with the means responsive to failure of the primary source to effect operation of said electro-responsive alarm, means responsive to failure of the secondary source for short-circuiting a portion of the current limiting resistance, whereby a greater current than the trickle charge current may be supplied to the circuit from the primary source, means operable with the means responsive to failure of the secondary source to effect operation of said electro-responsive alarm including a connection to the electro-responsive alarm, and means to prevent injury to said electro-responsive alarm by the increased potential resulting when the secondary source fails comprising a current limiting resistance in the aforesaid connection, said last named current limiting resistance functioning only when the electro-responsive alarm operates to indicate failure of the secondary source.

2,074,262

SUPERVISED ELECTRIC ALARM SYSTEM

Harry Campbell Grant, Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York

Application September 22, 1934, Serial No. 745,093
5 Claims. (Cl. 177—355)



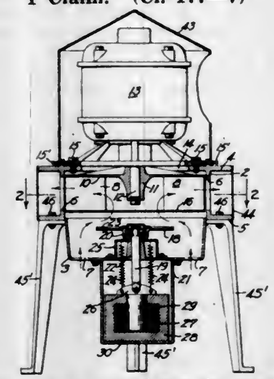
1. A supervised electric alarm system of the type comprising a plurality of external circuits arranged in series with each other and with a source of electric potential, each external circuit including an end resistance at the outermost end thereof, said end resistance being bridged by at least one normally open circuit-closing device, electro-responsive signaling means, means to connect said electro-responsive signalling means so as to be operable upon an increase in current flow in the series connected external circuits, whereby closing of a circuit-closing device of a particular external circuit short-circuits the end resistance of that particular circuit, causing an increased current flow therein with accompanying actuation of the electro-responsive signaling means, a plurality of electro-responsive indicating means arranged in series with each other and energized from the source of electric potential, there being an electro-responsive indicating means for each external circuit, means to interrupt the series connections between the respective external circuits, means to interrupt the energizing circuit of the series of electro-responsive indicating means, means to interrupt the series connections between the respective electro-responsive indicating means, means to connect one side of each external circuit with one pole of the source of electric potential, means to connect the other side of each external circuit with one side of its associated electro-responsive indicating means, and means to connect the opposite side of each electro-responsive indicating means with the opposite pole of the source of electric potential, whereby when a circuit-closing device on a particular circuit has operated to short-circuit the end resistance of that circuit and the aforesaid circuit interrupting and connecting means have been actuated, the electro-responsive indicating means of said particular circuit will be actuated.

2,074,263

SIGNAL DEVICE

Junius B. Harris, Jr., and Clarence B. Bowman, Berkeley, Calif.

Application September 17, 1934, Serial No. 744,361
1 Claim. (Cl. 177—7)



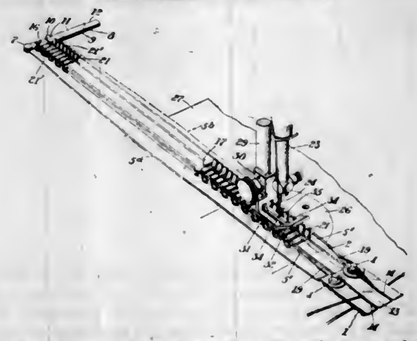
A signal device comprising, in combination, a cylindrical casing having peripherally disposed outlet ports, a rotor axially mounted in said casing for rotation therein, said rotor having vanes thereon for forcing a flow of air through said ports and for interrupting said flow periodically to create sound waves at an audible frequency, an end plate on said rotor having an air inlet aperture therein in axial alinement with the axis of rotation thereof, a non-rotatable shaft mounted concentrically with said rotor and movable axially thereof, a disk valve rotatably mounted on said shaft in alinement with said aperture, resilient means for holding said valve in engagement with said end plate to close said aperture, and electromagnetic means for moving said shaft and said disk out of engagement with said end wall to open said aperture.

2,074,264

MEANS FOR MAKING TRIMMING STRIPS

John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application March 3, 1934, Serial No. 713,843
21 Claims. (Cl. 112—9)



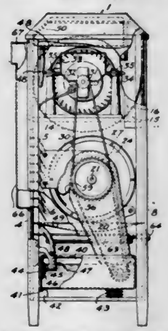
14. A trimming strip forming frame adapted for use with a sewing machine, said frame com-

prising a flat supporting tongue, a pair of toothed side-bars each spaced from a respective side edge of said tongue to form a stitch-receiving gap, means pivotally connecting said side-bars to said tongue adjacent one end of the latter, a distance piece releasably connecting the side-bars at the other end of said tongue, and means for positioning and holding rib-forming strands longitudinally of and over said stitch-receiving gaps.

2,074,265
AIR CONDITIONING APPARATUS

James B. Kirby, West Richfield, Ohio, assignor to Industrial Improvements, Incorporated, Cleveland, Ohio, a corporation of Ohio

Application October 25, 1933, Serial No. 695,135
9 Claims. (Cl. 261—90)

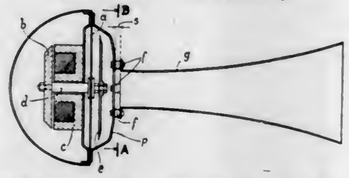


1. Air treating apparatus comprising a casing structure in the form of a hollow cabinet having air inlet and air outlet openings and a communicating passageway therebetween, means for effecting the passage of air through said cabinet by way of the inlet and outlet openings thereof, a water supply reservoir in the bottom of said cabinet, a humidifying device located above said reservoir, belt means for transferring water from said reservoir to said humidifying device and returning unevaporated water from the humidifying device to the reservoir for use over again continuously during the operation of the apparatus, means for filtering the unevaporated water before it is returned to said reservoir, and a support for said filtering means accessible exteriorly of the cabinet whereby the filter may be removed without disturbing the rest of the apparatus.

2,074,266
ACOUSTIC WARNING DEVICE

Fritz Koch, St. Ouen-sur-Seine, France, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany

Application August 15, 1933, Serial No. 685,271
In Germany September 30, 1932
3 Claims. (Cl. 177—7)

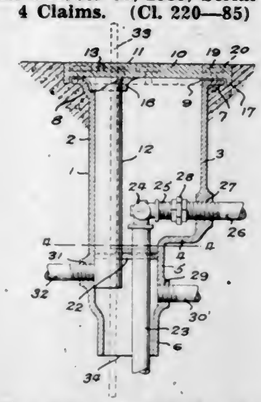


1. An acoustic horn comprising a casing, a diaphragm in said casing, means for vibrating said diaphragm, and an acoustic conduit fastened to said casing by means producing an opening which opens directly into the atmosphere between said casing and said conduit.

2,074,267
FILLERSTRACTOR

Harry W. Longdin, Atlanta, and Julian C. Stanley, East Point, Ga.

Application October 31, 1935, Serial No. 47,724
4 Claims. (Cl. 220—85)

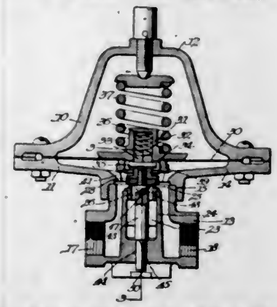


1. A suction line assembly for storage tanks including a casing having an outlet opening adapted for connection with a storage tank and having an inlet opening, a cover for the casing including a filler pipe opening, a cover for the filler pipe opening and locking means therefor carried by said first mentioned cover, a suction pipe and a filler pipe housed within the casing, the arrangement therein of the filler pipe being such as to permit direct line connection between the inlet opening and the tank, and means connecting the upper end of the suction pipe and casing, whereby said pipe may be removed along the line normal to the plane of the top of the tank.

2,074,268
RELIEF VALVE AND TESTING DEVICE

Earl W. Lowe, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois

Application July 31, 1934, Serial No. 737,847
1 Claim. (Cl. 137—53)

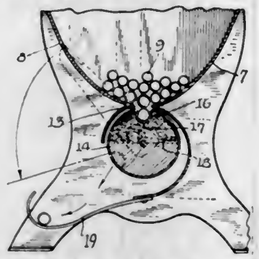


A relief valve including a casing having a fluid inlet and a waste passage, a valve for said passage, a normally closed valve member for said seat controlling the waste passage, a fluid pressure actuated diaphragm in said casing to open the valve on increase of pressure, a loading spring for urging said diaphragm to close said valve against fluid pressure in said casing, a guiding sleeve for said valve included in said diaphragm, said valve being mounted for limited movement with respect to said diaphragm within said sleeve, diaphragm arresting means on said casing adjacent said valve seat for limiting movement of said diaphragm under pressure of said loading spring, and an externally operable reciprocative valve actuating pin extending into said casing to engage said valve member to lift it from its seat without moving said diaphragm from said arresting means.

2,074,269
DISPENSING DEVICE

Cornelius O'Donnell, San Jose, Calif., assignor of forty-nine per cent to Charles A. Hutchings, San Jose, Calif.

Application June 19, 1934, Serial No. 731,342
1 Claim. (Cl. 312—84)



A dispensing device of the class described, comprising a casing including a hopper having a discharge opening in the bottom thereof, a roller member positioned directly beneath said hopper opening and carried by said casing, said roller member being constituted of a disinfectant holding material positioned in the upper portion thereof and a heavier material positioned in the lower section thereof, an apertured pocket extending lengthwise of said roller and projecting into the upper section thereof and capable of receiving a single straw at a time from the hopper, said pocket being arranged in axial alignment with the hopper discharge opening and the aperture permitting medication of a straw in the roller pocket, shouldered levers arranged at opposite ends of said roller to cause the actuation thereof, and stop pins carried by said casing and cooperating with the shouldered sections of said levers to limit the rotary motion of said roller.

2,074,270
HAIR DRYING HELMET

Eugene J. C. Perkins, Miami, Fla.

Application November 19, 1934, Serial No. 753,735
1 Claim. (Cl. 34—26)



A fabric hair drying helmet, including a fabric body portion to receive the head and hair to be dried, and extending to a point below the bottom edges of the hair and including at its bottom portion means for securing the bottom edge portion of the helmet snugly into contact with the head of the person below the hair, so as to exclude egress of air from within the helmet to the outside along the bottom edges thereof, and thus confine the air within the helmet, the upper portion of the fabric helmet including means for detachable connection with a source of drying air supply, so that the upper portion of the fabric helmet receives drying air downwardly upon the head and hair of the person, the top portions of the head and hair within the helmet receiving unrestrictedly all of the drying air passing downwardly into the fabric helmet, the fabric body portion of the helmet being provided with a series of vents confined exclusively to the lower edge portion of the fabric body, and extending entirely around the said lower edge portion so that said vents lie snugly against the lowermost portions of the hair on the head of the person, a fabric chamber confined to the lower edge portion of the helmet and entirely surrounding and enclosing the lower vented portion of the fabric helmet and encompassing said vents and including means for detachable connection with an air exhaust; the whole arranged in such manner that the drying air passing into the helmet and unrestrictedly downwardly upon the top portions of the head and hair of the person is forced to circulate through the hair at the lower portion of the helmet and become localized entirely around the lower edge portions in order to reach and pass out through the series of vents confined to and around the lower edge portion of the fabric helmet and enter the encompassing fabric air chamber to be exhausted.

2,074,271
METHOD AND APPARATUS FOR THE PRODUCTION OF SEAMLESS TUBING

Herbert Peters, Aachen, Germany

Application December 23, 1932, Serial No. 648,714
In Germany March 19, 1932
13 Claims. (Cl. 205—4)

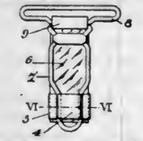


1. In a method of producing seamless tubes by the push bench process, the steps for loosening the tube from the mandrel of imparting a substantially oval section to the elongated tube during its passage through a tube confining passage bearing all around said tube, and converting such oval section without substantial pressure on the mandrel into the desired circular cross section by passage of the tube through a circular tube confining passage.

2,074,272
HOSE SUPPORTER

Paul Pugniet, Saint-Mande, France

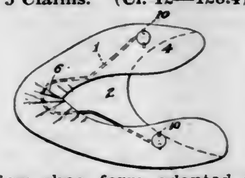
Application April 5, 1935, Serial No. 14,935
In France April 6, 1934
2 Claims. (Cl. 24—245)



2. A device for supporting hose, socks and like garments which comprises a piece of rubber hav-

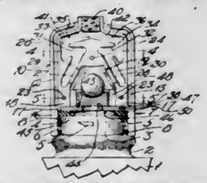
ing the configuration of an I-beam wherein the top serves as a button and the bottom as a base, said base having a slot provided therein parallel to the lower surface of said base and in proximity thereto, a button loop, a link, a tab passing freely through said slot, said loop, link, and tab being interconnected, said button loop being constructed and arranged to fit over the button and fit about the center of the I formed by said button.

2,074,273
SPRING FOR SHOE FORMS
Louis W. Reinhardt, Brockton, Mass., assignor to George E. Belcher Company, Stoughton, Mass., a corporation of Massachusetts
Application July 25, 1935, Serial No. 32,986
5 Claims. (Cl. 12—128.4)



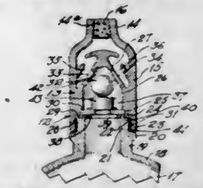
1. A hollow shoe form adapted to render a well fitted internal support for the toe cavity of a shoe, a spring bridging said form and being adapted to ensure said support when said form is lodged in said toe cavity, said spring including a U-shaped head lying near the front of said form and diverging ends anchored to opposite portions of said form, said diverging ends being adapted to be compressed upon retractive engagement by an extractor and said head being upturned to facilitate said engagement whereby said form may be readily removed.

2,074,274
NONREFILLABLE ATTACHMENT
Jacob W. Schieber, Scranton, Pa.
Application October 29, 1936, Serial No. 108,286
3 Claims. (Cl. 215—22)



2. In a non-refillable attachment for containers of the neck type, a structure having respectively an annular inner portion for connection to the container neck, an inwardly extending inner flange forming means at the outer end of said inner portion, an inwardly extending outer flange forming means overhanging said inner flange forming means and means coacting with said outer flange forming means to provide a valve chamber for the reception of a pair of superposed valves, said chamber having an inner portion of uniform diameter and an outer portion of frusto-conoidal contour, said structure being formed respectively with means to constitute a closable fluid discharge outlet and air intake at its outer end, with means to provide a pair of spaced outlets for said chamber and with means to provide a pair of spaced tubular conducting passages leading from the outlets for the valve chamber to said combined fluid discharge outlet and air intake, a combined valve cage and guide element including an annulus bearing against the lower face of the outer flange forming means and a circular row of spaced arms carried by and adjacent the inner and outer edges of the annulus and bearing against the inner side face of the said outer flange forming means, a resilient disc valve loosely mounted on said annulus and encompassed by said arms, said valve having a cavity in its upper face, a globular valve normally mounted in said recess and providing a weighting means for the disc valve, and a sealing element bearing against the lower face of said annulus and adapted to seat on the edge of the container neck to provide a seal for the inner portion of said structure and for retaining said annulus in position, said sealing element being in the form of an annulus.

2,074,275
NONREFILLABLE ATTACHMENT
Jacob W. Schieber, Scranton, Pa.
Application October 29, 1936, Serial No. 108,287
3 Claims. (Cl. 215—22)

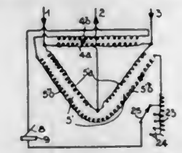


1. A non-refillable attachment for containers of the neck type comprising respectively a tubular structure provided with means to provide respectively an internally threaded annular coupler for connecting it to the neck of the container; an internal annular groove forwardly of the outer end of the coupling; an internal annular shoulder forwardly of the groove; a valve chamber having a closed forward end, an open rear end and a rear portion of uniform diameter merging into the free end of said shoulder; a pair of spaced oppositely disposed outlets for said chamber; an opening at its outer end for receiving a removable closure and providing when the closure is removed a fluid discharge outlet and an air intake; a pair of spaced tubular conducting passages having closed rear ends and their outer ends merging into said opening; said passages communicating forwardly of their closed ends with said outlets; and inwardly extending spaced ribs integral with that portion of uniform diameter of said chamber and constituting valve guides, a combined sealing and retaining element mounted in said groove and for seating on the neck of the container when the attachment is coupled to said neck, a combined valve seat forming and intake member for said chamber interposed between said shoulder and element, said element and said member being in the form of an annulus, a disc-like valve mounted on said member and encompassed by said ribs, and a globular valve mounted on and constituting a weighting means for the said other valve.

2,074,276
APPARATUS FOR ARC WELDING
Raoul Jean Schmerber, Brussels, Belgium, assignor to La Soudure Electrique Autogène Société Anonyme, Brussels, Belgium
Application February 28, 1935, Serial No. 8,774
In France March 5, 1934
1 Claim. (Cl. 219—8)

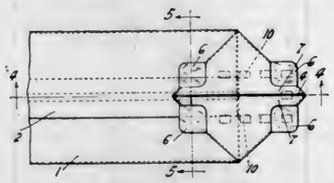
An apparatus for feeding an arc welding circuit from a three-phase source of alternating current,

comprising a three-phase single phase principal transformer capable of developing on open circuit in its secondary, for each alternation of the source of current, a difference of potential sufficient for maintaining an arc after having been struck, a single-phase auxiliary transformer capable of developing on open circuit in its secondary, for each alternation of the source of current, a difference of potential represented by a curve with one sharp peak whose apex corresponds to a difference of



potential sufficient to strike the arc, a connection for branching the primary of the principal transformer in V-connection with the three-phase source of current, a connection for branching the primary of the auxiliary transformer to the terminals at the extremities of the V, and connections for connecting in series the secondaries of the two transformers in such a manner that the generated electromotive forces are added together.

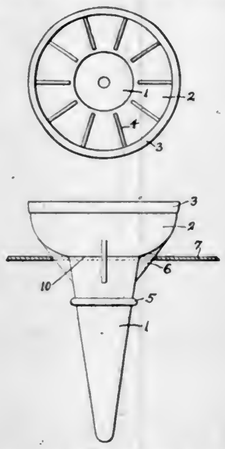
2,074,277
BAG AND PROCESS OF MAKING THE SAME
David Schmidt, Cleveland, Ohio, assignor to The Dobeckmun Company, Cleveland, Ohio, a corporation of Ohio
Application July 20, 1934, Serial No. 736,208
12 Claims. (Cl. 229—60)



9. A bag having a closed end formed by overlapping flaps, at least one of said flaps being cut to provide an extending wing which gives increased sealing area over the end of the bag, and a web extending between the cut forming the wing and the edge of the flap and connecting the center portion and marginal portions of the bag.

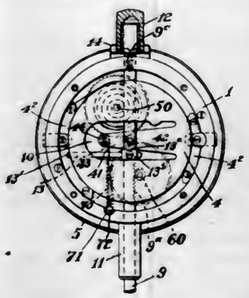
2,074,278
ICE CREAM CONE
Arthur Shapiro, Chelsea, Mass., assignor of one-fourth to Joseph Shapiro, Baltimore, Md., one-fourth to Isaac Shapiro, Chicago, Ill., one-fourth to Nathan Shapiro, and one-fourth to Samuel Shapiro, both of Chelsea, Mass.
Application June 28, 1935, Serial No. 28,964
1 Claim. (Cl. 99—89)

An ice cream cone comprising a stem whose upper end is of greater diameter than its lower end, a bowl on the upper end of said stem of about twice the diameter of that of the said upper end, said bowl having a plurality of longitudinal radially disposed thin flat ribs on its inside for strengthening the wall of the bowl and aiding in anchoring ice cream in the bowl, said stem having a nesting ring below the bowl, the adjacent vertical edges of the ribs at the center being spaced apart sufficiently to allow the nesting ring of a nested cone to pass between the same, and a set of bracing ribs extending from



the stem above the nesting ring diagonally to the periphery of the bowl, and adapted to lie between pairs of inside ribs when cones are nested.

2,074,279
DIAL INDICATOR
James G. Sisson, Athol, Mass., assignor to The L. S. Starrett Company, Athol, Mass., a corporation of Massachusetts
Application April 11, 1934, Serial No. 720,093
2 Claims. (Cl. 33—172)

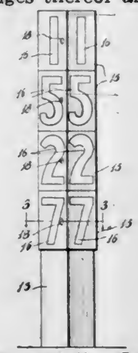


1. In a dial indicator, a casing having opposed bearings and front and back plates, a footed bridge piece mounted within said casing between said plates, said bridge piece having a depressed tongue reactive against one of said plates for securing the bridge piece therebetween and also having a peripheral slot, a rack rod mounted in said bearings, and a rack guide fastened at one end to said rack rod and having its other end guided in said slot.

2,074,280
RESIDENCE NUMBER SIGN
Rudolph J. Smith, Cleveland, Ohio
Application July 28, 1936, Serial No. 93,081
3 Claims. (Cl. 40—125)

1. A sign of the class described comprising a stake having flanges spaced from each other at their free edges, discontinuous sign strips, said

strips being wrapped closely around the stake to contact the flanges thereof and span the space



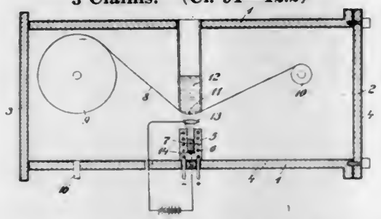
between the edges of the flanges, the ends of each strip overlapping and secured to a flange.

2,074,281

METHOD AND APPARATUS FOR THE PRODUCTION OF METALLIC COATINGS ON ELECTRICALLY NONCONDUCTING SUBSTANCES BY THE THERMAL VAPORIZATION OF METALS IN VACUO

Ludwig August Sommer, Berlin-Dahlem, Germany

Application July 6, 1934, Serial No. 734,041
In Germany July 13, 1933
3 Claims. (Cl. 91—12.2)



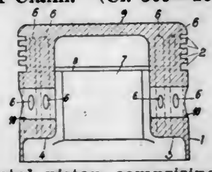
1. A process for producing metallic coatings which consists in melting a metal, evaporating said metal under a high vacuum of about 10^{-6} mm. or below of mercury, creating a potential difference between a positive electrode arranged above the surface of the metal and a negative electrode connected to the metal, maintaining the said potential difference for accelerating the ions of the metal vapour and collecting the metal vapour under the said high vacuum on a surface.

2,074,282

PISTON

Max Spengler, Zurich, Switzerland

Application August 27, 1934, Serial No. 741,675
In Switzerland August 31, 1933
1 Claim. (Cl. 309—10)



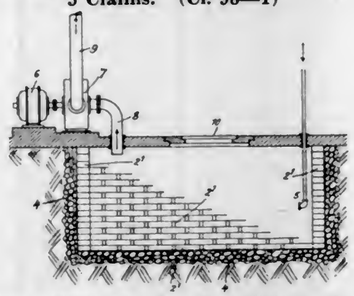
A light metal piston comprising a head and a skirt spaced from the head, said head and skirt having integral vertical rib-portions uniting the head and skirt at diametrically opposite sides and bored to provide piston pin bearings, vertical braces located in the skirt at each side of the piston pin location with their ends united to the piston wall, said braces being spaced from the wall of the skirt and arranged as chords of the circle of the skirt, and extending mainly above the level of the piston pin.

2,074,283

PROCESS AND A PLANT FOR THE VENTILATION OF CLOSED ROOMS

Jakob Stauber, Schlieren, Switzerland

Application August 1, 1935, Serial No. 34,289
In Switzerland August 6, 1934
5 Claims. (Cl. 98—1)



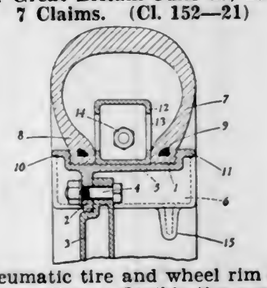
1. A process for the ventilation of closed rooms consisting in sucking air from the atmosphere through the natural earth-ground so as to filter the air, and distributing the filtered air to closed rooms for ventilation purposes.

2,074,284

RIM, WHEEL, AND TIRE

Andrew Creery Stevenson, Bervie, Wood Lane, Fleet, England

Application June 10, 1932, Serial No. 616,522
In Great Britain June 19, 1931
7 Claims. (Cl. 152—21)



1. A pneumatic tire and wheel rim comprising a rigid rim portion, a flexible tire portion sealed at its edges on to the peripheral surface of the rigid rim portion to form a closed chamber for elastic fluid and a supplementary rigid portion formed in sections on the peripheral surface of the rigid rim portion and within the said peripheral chamber for preventing complete collapse of the tire on to the rim.

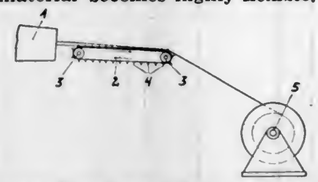
2,074,285

MANUFACTURE OF FLEXIBLE BANDS, THREADS, FOILS, AND TUBES OF ARTIFICIAL SUBSTANCES

Ernst Studt, Nordenham, and Ulfilas Meyer, Cologne-Mulheim, Germany, assignors to Norddeutsche Seekabelwerke A. G., Nordenham, Germany

Application October 11, 1933, Serial No. 693,213
In Germany October 24, 1932
6 Claims. (Cl. 18—57)

1. A method of manufacturing flexible bands, tubes and threads of polystyrol and other polymerization products of aryl olefines which comprises first heating the said material to a high temperature, then extruding it through a nozzle while in such heated condition, and simultaneously subjecting the extruded material while still in the heated condition to drawing at a speed greater than the speed of extrusion, whereby the material becomes highly flexible.



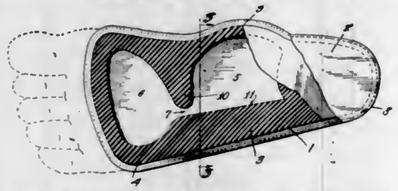
6. As an article of manufacture, a sheet, thread or tube of polystyrol rendered highly flexible by simultaneously heating it to a temperature between about 140° to about 155° C. and stretching it.

2,074,286

AIR CUSHION ARCH BUILDER

Charles Sullivan, Springfield, Mo.

Application December 24, 1934, Serial No. 759,097
1 Claim. (Cl. 36—71)



An insert comprising a rubber pad designed to be arranged in a shoe and to extend from the heel to beyond the shank of said shoe and a fabric casing for said pad, said pad including a flat heel portion, an instep portion and a tread portion, said pad, at its said instep and tread portions having inner air chambers whose outer walls are arched both longitudinally and transversely and which chambers are divided by a web that has an air communicating port nearest one edge of the pad, and the side wall of the air chamber in a line with the port being straight and terminating a distance away from the edge of the pad adjacent thereto and the arched top of the air chamber for the instep portion being of a less width than that of the tread portion and having one side of its edges disposed over the straight side wall of the chamber to render the portion of the pad outward of said arch straight and flat and of the same thickness as that of the heel portion.

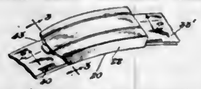
2,074,287

CLAMP BUCKLE

Nicola Tavani, Brooklyn, N. Y.

Application September 30, 1935, Serial No. 42,900
3 Claims. (Cl. 24—77)

1. A buckle comprising a female clamping member composed of two sections pivotally connected at one end and interlocking at the other end, said two sections together forming a tubular structure having a substantially rectangular section, and a male clamping member composed of two pivotally connected clamping sections, said male clamping member being bodily insertable endwise and fitting snugly within said female clamping member so as to be entirely concealed thereby, one of said clamping sections having a longitudinal depressible spring extension projecting beyond said female clamping member



and snapping into engagement with the outer edge thereof.

2,074,288

FLUORESCENT HYDROCARBON OILS

John M. Tinker, South Milwaukee, and Viktor M. Weinmayr, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 21, 1934, Serial No. 754,086
8 Claims. (Cl. 87—9)

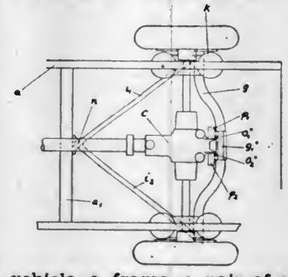
1. A process for producing hydrocarbon oils and hydrocarbon type solvents having a blue-green to orange and red fluorescence which comprises dissolving therein a color compound obtained by heating a polynuclear ketone of the class consisting of anthraquinone, benzanthrone and anthanthrone, and their methyl and halogen derivatives, with a reducing metal of the class consisting of iron, zinc, tin, nickel and lead for an extended period at temperatures above 280° C. but below 360° C. under conditions which prevent the escape of any material amount of the reaction products.

2,074,289

POWER-DRIVEN VEHICLE

Max Wagner, Stuttgart, Germany, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany

Application January 26, 1934, Serial No. 708,486
In Germany February 3, 1933
15 Claims. (Cl. 280—112)



1. In a vehicle, a frame, a pair of supporting wheels, an axle connecting said wheels, means mounted on the vehicle frame and on the axle for guiding the axle relative to the frame in a substantially vertical longitudinal central plane of the vehicle, said means comprising a substantially vertical guiding track, and guiding means coacting with this guiding track and containing resilient intermediate members in such a manner that on account of the resilience of the intermediate members at the same time a swinging movement of the axle about a longitudinal axis of the vehicle is made possible.

2,074,290

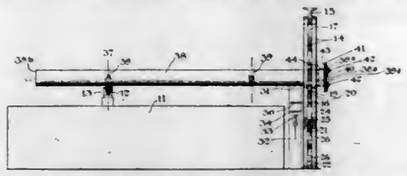
BALANCING MACHINE FOR ROTATING BODIES

Hubert G. Welsford and Hans Ulmann, Montreal, Quebec, Canada, assignors to Dominion Engineering Works Limited, Lachine, Quebec, Canada

Application May 18, 1932, Serial No. 612,127
5 Claims. (Cl. 73—51)

1. Balancing apparatus comprising a pair of

spaced supports on which the body to be balanced is rotatably mounted during the balancing operation, one of said supports being fixed to establish a vertical axis of oscillation about which the companion support is free to oscillate in a substantially horizontal plane, said companion support comprising a base and a pair of inclined



flexible straps suspending the base from overhead points of suspension, and lightly loaded spring means attached to said base to determine its natural period of vibration, said spring means being arranged so that only a small horizontal component of the total weight of the body is imposed thereon during the balancing operation.

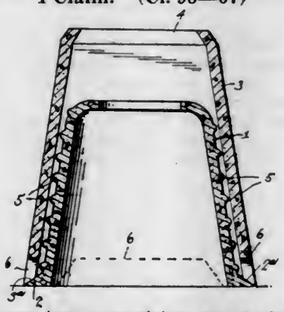
2,074,291

VACUUM CHIMNEY TOP

Louis White and Robert A. Compton, Jr., St. Louis, Mo., assignors to Vacuum Chimney Corporation, a corporation of Missouri

Application May 26, 1934, Serial No. 727,813

1 Claim. (Cl. 98—67)



A chimney top comprising an upright hollow inner member adapted for receiving the products of combustion from a chimney, and an outset flange on the lower end of said inner member constituting a base for mounting on the chimney, the upper face of said flange declining outwardly, an upright hollow outer member telescoping the inner member and the former being of greater length than the latter, the interior surfaces of the walls of the outer member being inclined inwardly and upwardly on a uniform pitch from the bottom to the top thereof, the lower edge of the outer member inclining inwardly and resting on the declining face of the flange whereby the outer member is centered with respect to the inner member, said outer member spaced from the inner member to provide an air channel between the two members, said outer member formed with concavities at its lower edge registering with the air channel, and the walls of the outer member formed with an inset lip at the upper edge to provide a restricted opening at the top.

2,074,292

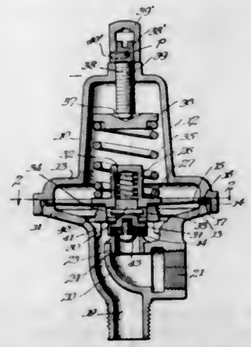
RELIEF VALVE

James M. Wilkins, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois

Application April 26, 1934, Serial No. 722,577

3 Claims. (Cl. 137—53)

1. A relief valve comprising a casing, a diaphragm, a loading spring between one end of said casing and said diaphragm, inlet and outlet passages in the opposite end of said casing, said inlet passage substantially surrounding said outlet passage, said outlet passage including a valve seat, diaphragm arresting means on said casing around said valve seat and in said inlet passage, a valve for said outlet passage, said valve being



carried by and adapted to have movement with respect to said diaphragm, means carried by said diaphragm to engage said arresting means to limit movement of the diaphragm under pressure of said loading spring, and means within said loading spring and carried by said diaphragm for maintaining said valve on its seat when movement of the diaphragm is arrested.

2,074,293

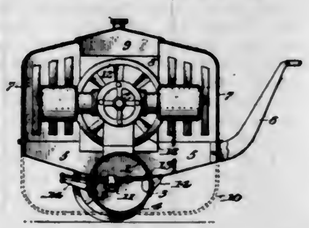
TRAVELING MOTOR COMPRESSOR

Josef Wohlmeyer, Vienna, Austria

Application May 2, 1934, Serial No. 723,593

In Austria December 2, 1933

4 Claims. (Cl. 230—3)



1. A light weight traveling motor-compressor comprising in combination a cylindrical compressed air receiver disposed transversely of the direction of travel, a self-contained compressor unit consisting of an internal combustion engine having a fly-wheel, a compressor coupled for direct drive by the said engine, and a communal crank-shaft for the said engine and compressor, the said compressor unit being rigidly and directly mounted on the said air receiver in such a manner that the axis of rotation of the said crank-shaft and the longitudinal axis of the said receiver are substantially parallel to each other, a light framework likewise directly mounted on the said receiver and comprising a radiator disposed laterally of the said engine, guiding means at one end of the said framework, and a fuel tank on the upper part thereof substantially above the said receiver, and track wheels associated with the ends of the said receiver.

2,074,294

FILTER

Henry S. Woodruff, Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey

Application November 16, 1935, Serial No. 50,089

5 Claims. (Cl. 183—71)



1. A filter comprising a pair of separable hollow frame members arranged in face-to-face relation and providing a passage for the flow of air therethrough, a set of spaced rods carried by each of the frame members and extending across the passage in the same general direction and in the direction of extent of the rods of the other frame member, each rod including a mid portion extending across the passage and arranged in the plane of the other frame member and end portions fixedly securing the ends of the mid portion to their respective frame member, the rods of one frame member being staggered with respect to the rods of the other frame member so as to permit their passing one another when the frame members are separated or placed together in face-to-face relation, and a web of filtering material extending across said passage in a direction at right angles to the direction of extent of the rods and being supported by each rod on the side thereof remote from its respective frame member so as to permit the separation of the frame members and the ready removal and replacement of a web of filtering material.

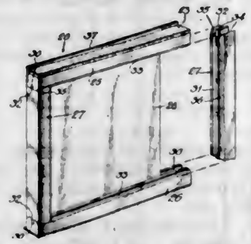
2,074,295

VENTILATING APPARATUS

Henry S. Woodruff, Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey

Application December 3, 1935, Serial No. 52,668

3 Claims. (Cl. 98—94)



1. A filler block for closing the space defined by a window jamb, one end of a ventilator, a lower rail of a window sash, and a window sill; comprising top and bottom members extending between the window jamb and the ventilator at the upper and lower sides of said space, respectively; end members arranged adjacent the window jamb and ventilator, respectively, and connecting the ends of the top and bottom members and forming therewith a substantially rectangular frame bounding said space; the top and bottom members and the end members being each provided with a groove in the inside face thereof and extending for the full length thereof and each groove connecting at its opposite ends with adjacent grooves to provide one continuous groove lying in the same plane; at least one of said end members being provided at its opposite ends with tongues slidably fitting in the ends of the grooves of the top and bottom member, respectively; and a panel of the same shape as the inside of the frame detachably mounted in the frame with its edges slidably received by said grooves.

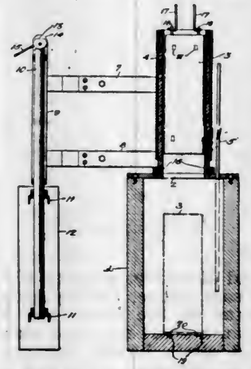
2,074,296

APPARATUS FOR MAKING COMPOSITE METALS

Henry B. Allen, Philadelphia, Pa., assignor to Henry Disston and Sons, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application June 14, 1935, Serial No. 26,690

7 Claims. (Cl. 22—60)



1. Apparatus for forming a composite metallic structure, comprising a mold having an opening at the top thereof, a heating unit, means for movably supporting said unit above said opening, means for introducing a reducing gas into the mold, and means for supporting a base metal body in cooperative relation with said unit, and for lowering the heated body into the mold, whereby the said body may be preheated to an elevated temperature below its fusion temperature, and a molten metal may be poured through said opening into the mold in contact with the heated body in the presence of the reducing gas, to effect diffusion of the metals into each other.

2,074,297

OPTICAL ILLUSION EFFECTS OR THE LIKE

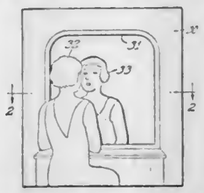
Frank O. King, Kissimmee, Fla.

Application February 21, 1935, Serial No. 7,506

4 Claims. (Cl. 272—8)

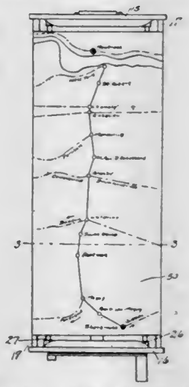
1. Means for producing an optical illusion effect or the like comprising, in combination, a panel having a sight opening therein simulating the outline of a mirror, a forward figure associated with said opening, and a second figure comprising a cut-out disposed in a plane spaced rearwardly of the sight opening panel and par-

allel therewith, said second figure when viewed through the opening simulating a reflected image



of the unseen rear surface of the first-mentioned figure.

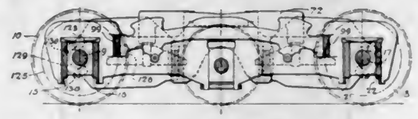
2,074,298
TOURIST'S MAP HOLDER
Harry Lionell Martin, Cartierville, Quebec, Canada
Application July 25, 1932, Serial No. 624,517
5 Claims. (Cl. 40—89)



1. In a road directory, a frame, a reel suitably mounted in said frame, having spaced posts, a spring mounted on the frame and holding the reel in tension, a shaft mounted on said reel, a map on said shaft having its end threaded through one of said posts and about the front of the frame and attached to another of said posts and means for operating the reel.

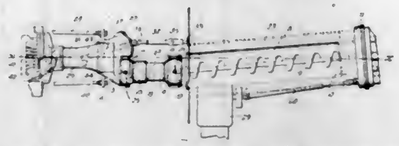
2,074,299
RAILWAY VEHICLE STRUCTURE
James G. Blunt, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application November 20, 1935, Serial No. 50,625
18 Claims. (Cl. 105—196)

3. In a railway vehicle structure, oppositely disposed frame side members; a driving motor disposed between said side members; a bolster secured to said motor; motor driven means including a wheeled axle having end portions disposed in openings in said side members removable therefrom by downward movement relative to said side members, said driven means and said motor being normally in interlocking operable engagement necessitating initial movement of said driven means longitudinally of said structure away from said motor to sever said interlocking engagement to permit said movement of said end portions downward relative to said side members; and removable means engaging said side members and said bolster normally preventing movement of said side members relative to said bolster longitudinally of said structure in a direction to effect movement of said openings away from said bolster, and when removed permitting said longitudinal movement of said side members, said



openings being thereby moved in a direction away from said bolster to permit at least a part of said initial movement of said driven means away from said motor to be effected.

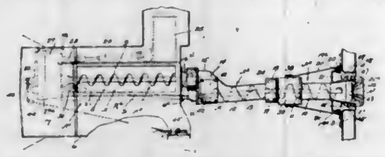
2,074,300
LOCOMOTIVE STOKER
Washington T. Capps, Baltimore, Md., assignor to The Standard Stoker Company, Inc., a corporation of Delaware
Application September 20, 1932, Serial No. 634,074
Renewed January 16, 1937
12 Claims. (Cl. 198—15)



1. In a locomotive stoker, the combination with a feed conduit, and a feed conveyor therein, of an elevator conduit having a delivery end and a receiving end, the latter end having communicating branches arranged side by side, a transfer conduit between said feed conduit and said elevator conduit, a socket member rigidly carried by one branch of the receiving end of said elevator conduit, a socket member rigidly carried by the forward end of said feed conduit, said transfer conduit including a pair of telescopically related tube sections, a spherical ball carried by one of said tube sections at one end of said transfer conduit, such spherical ball being received in the socket member of said elevator conduit, a spherical ball carried by the other of said tube sections at the opposite end of said transfer conduit, the last named spherical ball being received in the socket member of said feed conduit, a cover fitted over each spherical ball and secured to a respective socket member, each cover and spherical ball being inter-engaged to restrain each tube section against movement about the axis of said transfer unit, each socket member arranged to support the respective ball member upon removal of the aforesaid cover from its position over its respective ball member, said socket member and cover being arranged whereby the ball member may be removed from its respective socket member upon removal of the cover thereover.

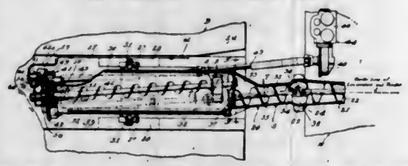
2,074,301
LOCOMOTIVE STOKER
Washington T. Capps, Baltimore, Md., assignor to The Standard Stoker Company, Inc., a corporation of Delaware
Application June 29, 1934, Serial No. 733,142
2 Claims. (Cl. 198—15)

1. In an intercoupled locomotive and tender, a stoker for transferring fuel from the tender to the locomotive comprising a conduit on the locomotive, a conduit on the tender, a transfer conduit between the first and second named conduits, said transfer conduit at one end being flexibly related with one of said conduits, the opposite end of said transfer conduit being provided with an elbow disposed at one side of the major portion of said transfer conduit, said elbow being flexibly related with the other of said conduits whereby the transfer conduit articulates when relative



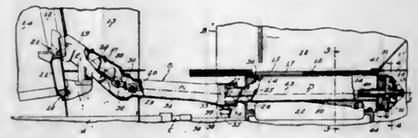
movement between said intercoupled vehicles occurs, the axis of articulation of said transfer conduit being disposed in a vertical plane passing through the aforesaid ends of said transfer conduit, the major portion of said transfer conduit being at one side of such vertical plane, and means for restraining downward swinging movement of the major portion of said transfer conduit about its axis of articulation.

2,074,302
STOKER MECHANISM
Charles J. Surdy, Tuckahoe, N. Y., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Application November 15, 1934, Serial No. 753,089
12 Claims. (Cl. 198—15)



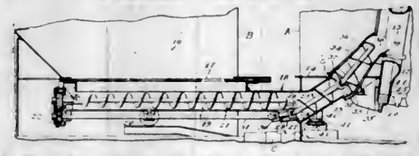
1. In a locomotive having a firebox and a tender for said locomotive, said tender including an apertured floor with a fuel bin thereabove, a stoker for transferring fuel from the bin to the firebox comprising a conduit mounted on the locomotive, a second conduit flexibly related to said first named conduit and movably mounted on said tender, said second named conduit including an upwardly opened portion arranged to receive fuel from the fuel bin through the apertured floor thereof, means in the second named conduit for urging fuel therethrough to said first named conduit including a pair of conveyor screws, one of said conveyor screws being disposed in the upwardly opened portion of said second named conduit, means cooperating with such conveyor screw for crushing lumps of fuel, said means being disposed in the upwardly opened portion of the second named conduit and being spaced rearward of the transverse vertical plane passed through the foremost edge of the aperture in said tender floor, a sealing ring between the open mouth portion of the second named conduit and the aperture in said tender floor for preventing escape of fuel through said aperture exteriorly of the second named conduit, the other of said conveyor screws extending forwardly from the first named conveyor screw and having its rearward end capable of receiving fuel manually through the aperture in said tender floor, and means for operating the second named conveyor screw independently of the first named conveyor screw.

2,074,303
LOCOMOTIVE STOKER
Charles J. Surdy, Tuckahoe, N. Y., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Application November 15, 1934, Serial No. 753,090
2 Claims. (Cl. 198—15)



1. In an intercoupled locomotive and tender, a stoker for transferring fuel from the tender to the locomotive comprising a conveyor on the tender, a conveyor on the locomotive, said conveyors being fixed to their respective vehicles against lateral movement, the axis of said first named conveyor extending obliquely of the tender whereby the delivery end of said conveyor is at one side of the vertical medial plane of the tender, and an intermediate conveyor between the first and second named conveyors disposed obliquely with respect to the vertical medial plane of the locomotive and tender, said intermediate conveyor at its remote ends being flexibly related with the respective ends of the first and second named conveyors, the receiving end of said intermediate conveyor being laterally offset from the delivery end of said first named conveyor, gearing at the rear of the first named conveyor operatively connected thereto, and shafting leading forwardly from said gearing and being operatively connected to the rearward end of said intermediate conveyor, said shafting being approximately at the angle of extent of said intermediate portion.

2,074,304
LOCOMOTIVE STOKER
Charles J. Surdy, Tuckahoe, N. Y., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Application July 20, 1935, Serial No. 32,339
4 Claims. (Cl. 198—15)



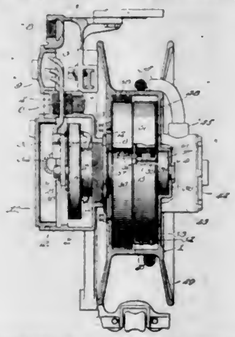
1. In a locomotive having a firebox and a backwall with a firing opening therein, and a tender for said locomotive having a fuel bin, a stoker for transferring fuel from the fuel bin to said locomotive firebox, comprising a transfer conveyor movably supported on the locomotive and tender, said transfer conveyor including a trough portion and an inclined portion, a conveyor screw in said trough portion and a conveyor screw in said inclined portion, said inclined portion being rigid with said trough portion and projecting forwardly at an incline to the trough portion forward of the screw thereof, and having the lower wall thereof stepped downwardly at its rear end and extending therefrom upwardly and forwardly, a bearing provided in the stepped portion between the trough portion and the inclined portion, means for operating each of said conveyor screws from their rearward ends including a shaft portion journalled in said bearing and

being operatively connected to the screw of said inclined portion, said last named screw having the rearmost impelling flight thereof spaced forward from and across the delivery end of the trough screw and offset axially therefrom in a downward direction, and a riser member on the locomotive flexibly connected to the forward end of said inclined portion and communicating with the firing opening.

2,074,305
EXPLOSIONPROOF CABLE REEL

Nils A. Tornblom, Chicago, Ill., assignor to Appleton Electric Company, a corporation of Illinois

Application September 19, 1936, Serial No. 101,541
9 Claims. (Cl. 173—367)



1. In combination, a closed casing having a projecting arm containing a cylindrical bore extending lengthwise through the same and communicating at its inner end with the interior of the casing, a tubular shaft extending through said bore and having a long bearing therein, a cable reel rotatable on said arm, a cable on said reel, conductors extending from said cable through the interior of said shaft and into the casing, a sealing compound filling the bore in the shaft around said conductors, and a driving connection between the outer end of the shaft and said reel.

2,074,306
PROCESS FOR THE PREPARATION OF ANTHRAQUINONE COMPOUNDS

Myron S. Whelen, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 24, 1936, Serial No. 87,117
4 Claims. (Cl. 260—57)

2. In the process for isolating 6-chloro-1-anthraquinonesulfonic acid from the sulfonation mass in which it is formed by direct sulfonation of beta-chloroanthraquinone, the steps which comprise diluting the sulfonation mass to a sulfuric acid concentration of from 4 to 10% and adding a sodium salt in sufficient quantity to form the sodium salt of all of the 6-chloroanthraquinonesulfonic acid present.

2,074,307
PROCESS FOR THE PREPARATION OF ANTHRAQUINONEDISULPHONIC ACIDS

Myron S. Whelen, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

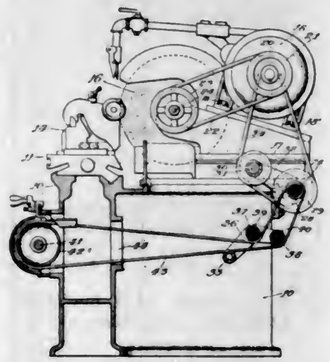
No Drawing. Application June 24, 1936, Serial No. 87,118
3 Claims. (Cl. 260—57)

3. In the process for preparing 2,6-anthraquinonedisulphonic acid, the step which comprises isolating it from the sulphonation mass in which it is formed, by bringing the sulphuric acid concentration of the solution to from about 87 to 100%, agitating the solution until complete separation has taken place and filtering off the precipitated oxonium compound, washing the precipitate with a diluted mineral acid to effect hydrolysis of the oxonium compound.

2,074,308
GRINDING MACHINE

Albert W. Wigglesworth, Chicago, Ill., assignor to Hill-Clarke Machinery Co., Chicago, Ill., a corporation of Illinois

Application February 3, 1936, Serial No. 62,080
5 Claims. (Cl. 51—95)



1. In a grinding machine having a base, a work carriage mounted for longitudinal reciprocation on the base, a wheel base and a rotatable grinding wheel on said wheel base, the wheel base being movable transversely of the first mentioned base, means for simultaneously rotating the grinding wheel and actuating the work carriage from a single source of power, said means comprising a motor mounted on said wheel base, its motor shaft operatively connected with the grinding wheel, a pulley on the motor shaft, a horizontally disposed shaft mounted on the machine base, a pulley fixed on said shaft, a tightener pulley pivotally mounted on said shaft, a belt connecting said pulleys and engaged by the tightener pulley, a drive shaft mounted in the base and operatively connected with the work carriage, and operative connections between the horizontal shaft and said carriage drive shaft.

2,074,309
PROCESS FOR THE PREPARATION OF ANTHRAQUINONEDISULPHONIC ACIDS

Alexander J. Wuertz, Carrollville, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

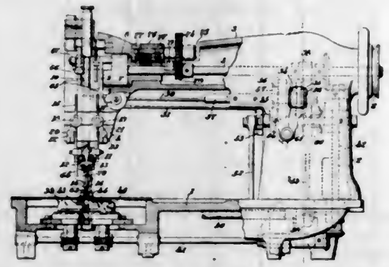
No Drawing. Application June 24, 1936, Serial No. 87,116
4 Claims. (Cl. 260—57)

2. In the process for the preparation of anthraquinone-2,6-disulphonic acid, the steps which comprise diluting the sulphuric acid mass resulting from the beta-disulphonation of anthraquinone to an acid concentration of from 75 to 80%, extracting the precipitated disulphonic acids with 20–30% hydrochloric acid and filtering off the substantially pure 2,6-anthraquinonedisulphonic acid.

2,074,310
ORNAMENTAL SEAM SEWING MACHINE

Sydney Zonis, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application November 12, 1935, Serial No. 49,331
7 Claims. (Cl. 112—81)



1. In a sewing machine, a pair of endwise reciprocatory and laterally vibratory needles, needle-actuating mechanism including means for reciprocating said needles endwise in unison and for vibrating said needles laterally toward and from each other to perform alternate narrowly and more widely spaced work-penetrating movements, means complemental to said needles in the formation of stitches, work-feeding means effective to advance the work for each of the unison stitch-forming cycles of said needles, an endwise reciprocatory work-penetrating piercer having a path of movement to form apertures in the work for entrance by both needles in their narrowly spaced reciprocations, and means for reciprocating said piercer.

2,074,311
PROCESS FOR PURIFYING HYDROGEN

Harold E. Moore, Columbus, Ohio, assignor to The Capital City Products Company, Columbus, Ohio, a corporation of Delaware

No Drawing. Application September 7, 1934, Serial No. 743,089
8 Claims. (Cl. 23—210)

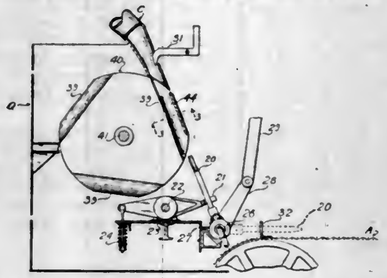
1. The process of purifying commercial hydrogen gas which comprises removing the carbon monoxide therein by converting it into methane in the presence of a catalyst formed from a mixture of nickel, copper and thorium oxide, the nickel and copper being in a finely divided state and having activated surfaces.

2,074,312
HEAT TREATING APPARATUS

Theodore A. Schraishuhn, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York

Application January 16, 1937, Serial No. 120,923
3 Claims. (Cl. 266—4)

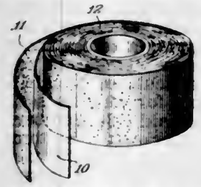
1. The combination with a quench tank and a furnace arranged and adapted to feed tubular objects to said tank and a finger in said tank which normally points upwardly for receiving said objects thereon but which is supported for arcuate movement in a vertical plane whereby the objects received on the finger may be removed therefrom at a point angularly removed from the point of reception on the finger, of means for transferring objects from the furnace onto said finger when the latter points upwardly, said means comprising a chute, the lower portion of which comprises one of a number of tunnels carried by a turnable member arranged in said tank, and means for turning said member to bring a selected one of said tunnels into position to serve as the lower portion of the chute.



2,074,313
INTERWOUND FILM MATERIAL

Allen Abrams, Charley L. Wagner, and George W. Forcey, Wausau, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application March 19, 1936, Serial No. 69,731
8 Claims. (Cl. 154—2)

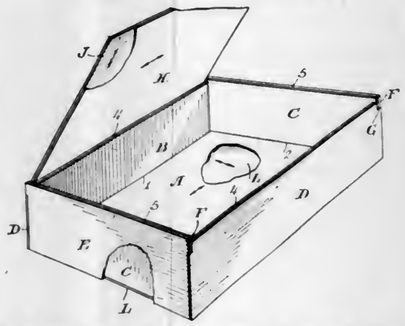


8. A method of preventing lateral distortion of a compactly wound roll of a thermoplastic film which comprises interposing a suitable material between the convolutions of said roll to retard lateral expansion of the film with increase of temperature.

2,074,314
CIGAR BOX

Paul W. Fleischer, Weehawken, N. J., assignor to A. H. Balliet Corporation, Allentown, Pa., a corporation of Pennsylvania

Application September 18, 1931, Serial No. 563,495
Renewed June 14, 1935
28 Claims. (Cl. 229—30)

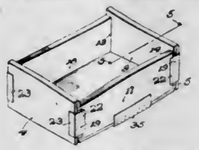


3. A box blank comprising a single blank of paper board having a bottom and inside wall-forming members attached thereto, said wall-

forming members having attached outside extensions thereon, the said inside wall-forming members being cut-scored from the bottom on one face of the blank, and the outside wall-forming extensions being cut-scored on the opposite side of the blank, said outside wall-forming members being longer than the inside wall-forming members by a length equal to at least one thickness of the paper board forming the blank.

23. A box comprising a bottom, a side member having an end portion, an inner end member articulated to said bottom and having a recess therein having an area equal to the cross-section of the end portion of said side member, and an outer end member articulated to said inner end member.

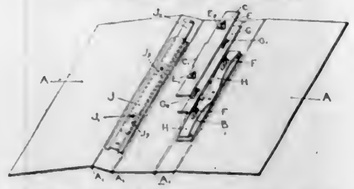
2,074,315
BOX
Frank Rodgers Neely, Allentown, Pa.
Application November 12, 1932, Serial No. 642,447
16 Claims. (Cl. 229—23)



1. A box comprising a side member, a bottom, an inner end member directly articulated to said bottom and having a recess therein in which the end of said side member is received, an outer end member articulated to said inner end member, and means for directly securing said inner end member to said side member.

5. A box comprising a bottom, side members, inner end members, adhesive paper stays directly securing said inner end members to said side members, outer end members, and adhesive paper stays directly securing said outer end members to said side members.

2,074,316
TEMPORARY BINDER FOR SHEETS OF PAPER AND THE LIKE
Francis Basil Bolton, Brisbane, Australia
Application October 16, 1934, Serial No. 748,470
In Australia December 18, 1933
2 Claims. (Cl. 129—1)

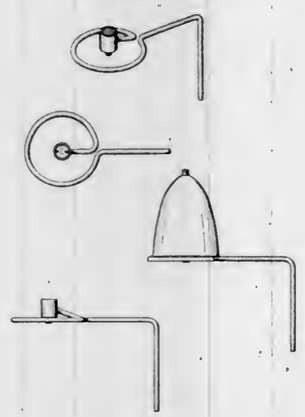


1. A loose leaf binder comprising a pair of hinged covers, an upper and lower anchor plate mounted on one of said covers, a back plate extending substantially perpendicular from each of said anchor plates adapted to engage each other in reciprocable relation, longitudinal slots in each of said back plates adapted to normally register with each other, a spring tongue secured at one end of one of said slots, a projection at one end of said tongue adapted to ride in said other slot and to maintain the contact between said plates when in extended position, a plurality of rods and corresponding tubes extending substantially perpendicular from said anchor plates and adapted to telescope, teeth on each of said rods and a cooperating slot in each of said tubes, said teeth adapted to project through said slots, slots in said upper anchor plate for penetration by said rods, a locking bar having combined holes and resilient sided slots, the former for accommodating said rods and tubes and the latter for engaging said teeth when said bar is moved longitudinally, and a flat spring secured to said lower anchor plate and adapted to press upwards against the material to be inserted in said loose leaf binder.

DESIGNS

MARCH 16, 1937

103,557
DESIGN FOR A COMBINED LAMP AND SUPPORT
Wilbur Henry Adams and Dean H. Holden, Cleveland, Ohio
Application January 2, 1937, Serial No. 66,876
Term of patent 3½ years



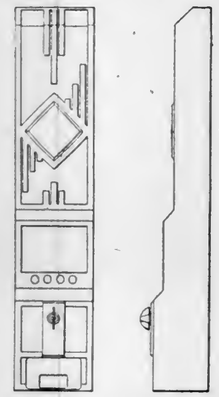
The ornamental design for a combined lamp and support substantially as shown and described.

103,558
DESIGN FOR A SMOKER'S STAND
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey
Application January 6, 1937, Serial No. 66,918
Term of patent 7 years



The ornamental design for a smoker's stand substantially as shown.

103,559
DESIGN FOR A VENDING MACHINE CABINET
Marselius T. Ashe, Garden City, N. Y., assignor to Barron Collier, New York, N. Y.
Application November 16, 1936, Serial No. 65,921
Term of patent 14 years



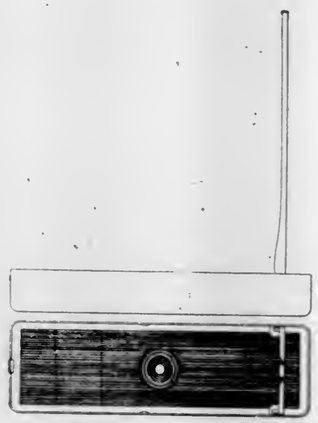
The ornamental design for a vending machine cabinet, as shown.

103,560
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Jack Barnett, Brooklyn, N. Y.
Application December 18, 1936, Serial No. 66,625
Term of patent 3½ years



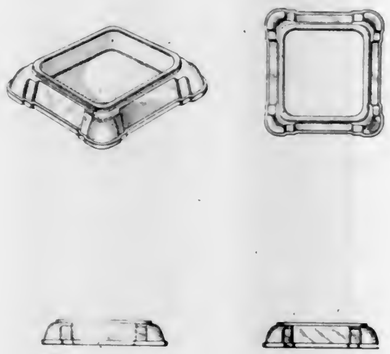
The ornamental design for a slipper or similar article substantially as shown and described.

103,561
DESIGN FOR AN INSTRUMENT CASE OR SIMILAR ARTICLE
William A. Baum, Forest Hills, N. Y.
Application November 6, 1936, Serial No. 65,722
Term of patent 7 years



The ornamental design for an instrument case or similar article substantially as shown and described.

103,562
DESIGN FOR A BASE FOR A JEWELRY BOX OR SIMILAR ARTICLE
Mildred K. Cook, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application December 14, 1936, Serial No. 66,520
Term of patent 7 years



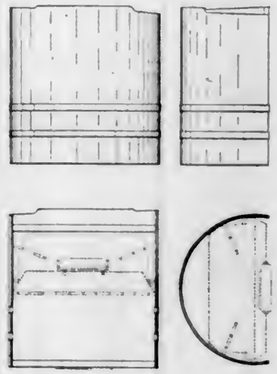
The ornamental design for a base for a jewelry box or similar article, as shown.

103,563
DESIGN FOR A CEILING LIGHTING FIXTURE
R. Guy Cowan, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application December 17, 1936, Serial No. 66,605
Term of patent 7 years



The ornamental design for a ceiling lighting fixture, as shown.

103,564
DESIGN FOR A MUSIC STAND
Robert H. Craig, Lindsay, Calif.
Application December 7, 1936, Serial No. 66,370
Term of patent 7 years



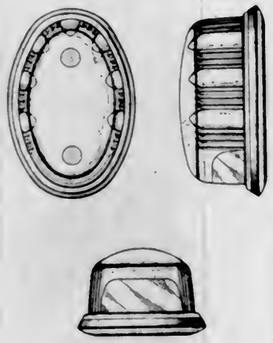
The ornamental design for a music stand, as shown and described.

103,565
DESIGN FOR A COMBINED STOP AND TAIL LAMP
Samuel M. Dover, Chicago, Ill.
Application May 28, 1936, Serial No. 62,880
Term of patent 7 years



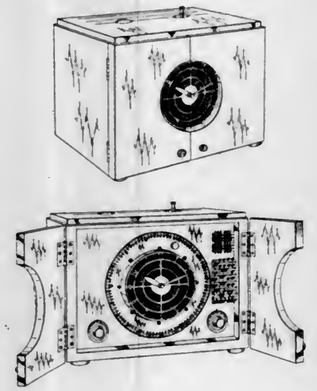
The ornamental design for a combined stop and tail lamp substantially as shown.

103,566
DESIGN FOR A COMBINED STOP AND TAIL LAMP
Samuel M. Dover, Chicago, Ill.
Application May 28, 1936, Serial No. 62,881
Term of patent 14 years



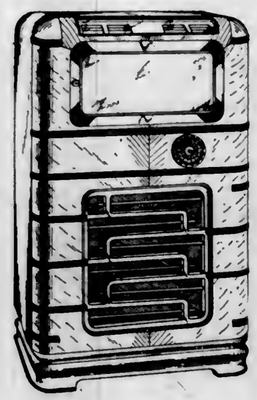
The ornamental design for a combined stop and tail lamp substantially as shown and described.

103,567
DESIGN FOR A COMBINED CLOCK AND RADIO RECEIVER
Robert Henry Fisher, New York, N. Y., assignor to Whiting Holding Company, Minneapolis, Minn., a corporation of Minnesota
Application September 18, 1936, Serial No. 64,911
Term of patent 7 years



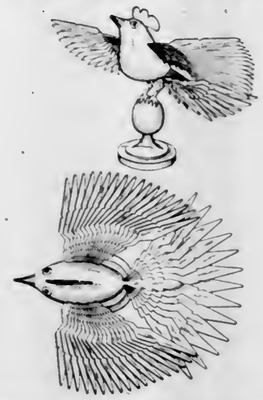
The ornamental design for a combined clock and radio receiver, substantially as shown.

103,568
DESIGN FOR A PHONOGRAPH CABINET
Paul M. Fuller, Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application February 5, 1937, Serial No. 67,476
Term of patent 7 years



The ornamental design for a phonograph cabinet, substantially as shown and described.

103,569
DESIGN FOR A COMBINED BIRD FIGURE AND PEDESTAL
Paul Gerent, New Britain, Conn.
Application December 2, 1936, Serial No. 66,271
Term of patent 14 years



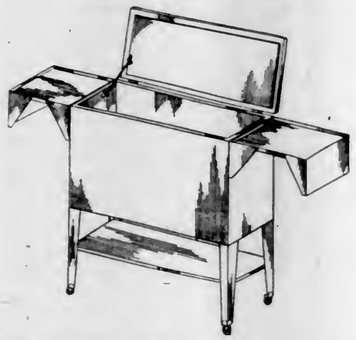
The ornamental design for a combined bird figure and pedestal, as shown.

103,570
DESIGN FOR A PENCIL
Paul S. Hauton, Atlanta, Ga.
Application August 24, 1936, Serial No. 64,544
Term of patent 3½ years



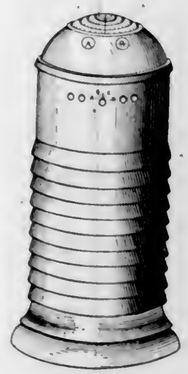
The ornamental design for a pencil, as shown.

103,571
DESIGN FOR A SERVING REFRIGERATOR
Harry D. Hensey, Middletown, Ohio
Application October 9, 1936, Serial No. 65,227
Term of patent 14 years



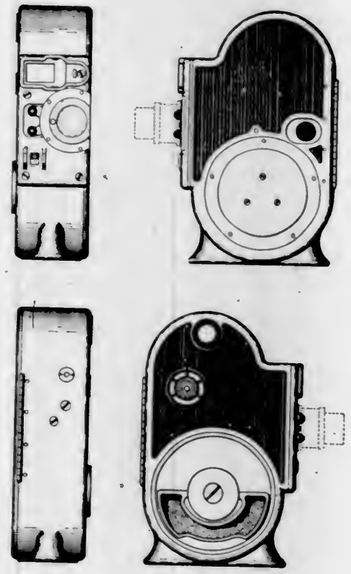
The ornamental design for a serving refrigerator, as shown.

103,572
DESIGN FOR A RADIO CABINET
Philip Holzer, Jr., Chicago, Ill.
Application October 5, 1936, Serial No. 65,165
Term of patent 7 years



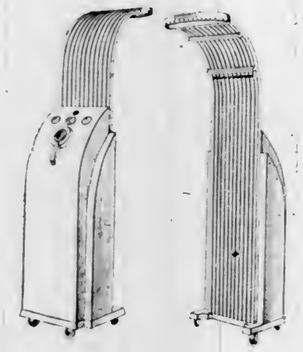
The ornamental design for a radio cabinet, as shown and described.

103,573
DESIGN FOR A PHOTOGRAPHIC CAMERA
Albert S. Howell, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application January 6, 1936, Serial No. 60,448
In Japan October 9, 1935
Term of patent 14 years



The ornamental design for a photographic camera, as shown.

103,574
DESIGN FOR A PERMANENT WAVE MACHINE
Edward Jacobsen, New York, N. Y., assignor to Eugene, Ltd., New York, N. Y., a corporation of New York
Application December 31, 1936, Serial No. 66,835
Term of patent 14 years



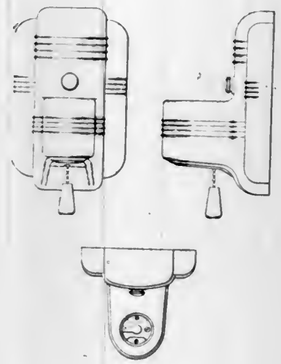
The ornamental design for a permanent wave machine, substantially as shown.

103,575
DESIGN FOR A CHAIR
Richard B. Janes, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application January 8, 1937, Serial No. 66,946
Term of patent 7 years



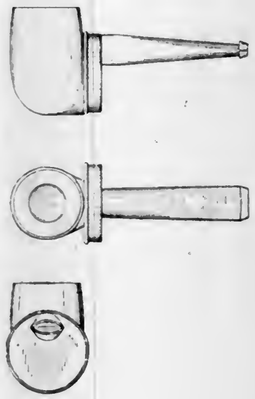
The ornamental design for a chair, as shown.

103,576
DESIGN FOR A LIGHTING FIXTURE
Arthur A. Johnson, New Bedford, Mass., assignor to John I. Paulding, Inc., New Bedford, Mass., a corporation of Massachusetts
Application January 8, 1937, Serial No. 66,954
Term of patent 3½ years



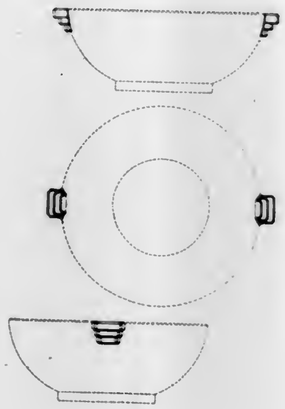
The ornamental design for a lighting fixture as shown.

103,577
DESIGN FOR A SMOKING PIPE
George R. McAllaster, Rochester, N. Y.
Application January 5, 1937, Serial No. 66,895
Term of patent 14 years



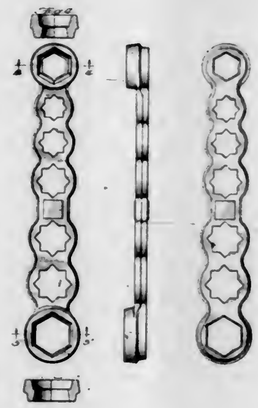
The ornamental design for a smoking pipe substantially as shown.

103,578
DESIGN FOR A BOWL OR SIMILAR ARTICLE
Will Cameron McCartney, Cambridge, Ohio
Application January 29, 1937, Serial No. 67,344
Term of patent 7 years



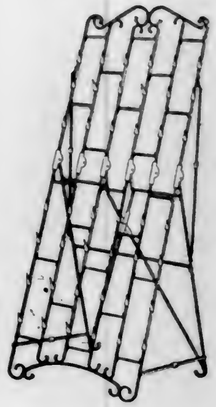
The ornamental design for a bowl or similar article, substantially as shown.

103,579
DESIGN FOR A WRENCH
Norris F. McNaught, Chicago, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois
Application January 18, 1937, Serial No. 67,115
Term of patent 7 years



The ornamental design for a wrench as shown.

103,580
DESIGN FOR A DISPLAY RACK
Francis F. Melvin and Bernard C. Howell, Elwood, Ind.
Application May 19, 1936, Serial No. 62,733
Term of patent 7 years



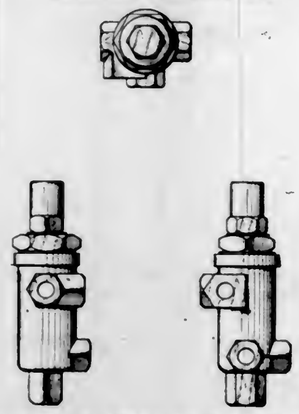
The ornamental design for a display rack, as shown.

103,581
DESIGN FOR A WING TYPE DISPLAY RACK
Francis F. Melvin and Bernard C. Howell, Elwood, Ind.
Application June 8, 1936, Serial No. 63,106
Term of patent 7 years



The ornamental design for a wing type display rack, as shown.

103,582
DESIGN FOR A PRESSURE REGULATING VALVE
Thomas W. Murphy, Bala-Cynwyd, Pa., assignor to Monarch Manufacturing Works, Inc., Philadelphia, Pa., a corporation of Delaware
Application September 14, 1936, Serial No. 64,853
Term of patent 7 years



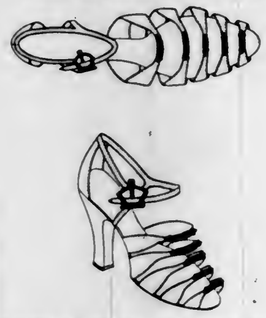
The ornamental design for a pressure regulating valve, as shown.

103,583
DESIGN FOR A SHOE ORNAMENT
Bernard Oswell, New York, N. Y.
Application February 9, 1937, Serial No. 67,526
Term of patent 3½ years



The ornamental design for a shoe ornament, substantially as shown.

103,584
DESIGN FOR A SHOE
Bernard Oswell, New York, N. Y.
Application February 9, 1937, Serial No. 67,528
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

103,585
DESIGN FOR A SHOE ORNAMENT
Bernard Oswell, New York, N. Y.
Application February 9, 1937, Serial No. 67,529
Term of patent 3½ years



The ornamental design for a shoe ornament, substantially as shown.

103,586
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Andre Perugia, Paris, France
Application December 11, 1936, Serial No. 66,478
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

103,587
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Andre Perugia, Paris, France
Application January 18, 1937, Serial No. 67,132
Term of patent 3½ years





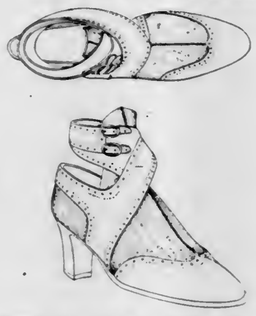
The ornamental design for a shoe or similar article, substantially as shown.

103,588
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Andre Perugia, Paris, France
Application January 18, 1937, Serial No. 67,133
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

103,589
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Andre Perugia, Paris, France
Application January 18, 1937, Serial No. 67,134
Term of patent 3½ years



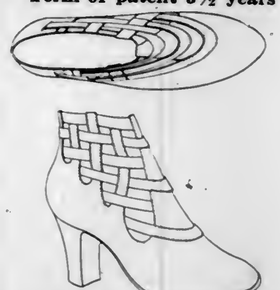
The ornamental design for a shoe or similar article, substantially as shown.

103,590
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Andre Perugia, Paris, France
Application February 4, 1937, Serial No. 67,432
Term of patent 3½ years



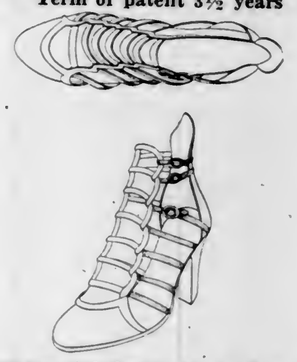
The ornamental design for a shoe or similar article substantially as shown.

103,591
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Andre Perugia, Paris, France
Application February 4, 1937, Serial No. 67,433
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

103,592
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Andre Perugia, Paris, France
Application February 4, 1937, Serial No. 67,434
Term of patent 3½ years



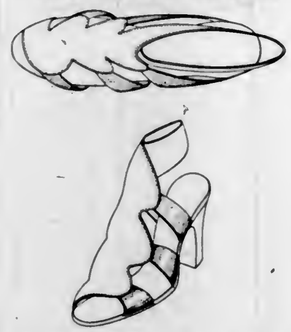
The ornamental design for a shoe or similar article, substantially as shown.

103,593
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Andre Perugia, Paris, France
Application February 4, 1937, Serial No. 67,435
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

103,594
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Andre Perugia, Paris, France
Application February 4, 1937, Serial No. 67,436
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

103,595
DESIGN FOR A BROOCH OR THE LIKE
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., a corporation of New York
Application January 2, 1937, Serial No. 66,840
Term of patent 3½ years



The ornamental design for a brooch or the like, substantially as shown and described.

103,596
DESIGN FOR A BROOCH
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., a corporation of New York
Application January 2, 1937, Serial No. 66,841
Term of patent 3½ years



The ornamental design for a brooch substantially as shown and described.

103,597
DESIGN FOR A BROOCH
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., a corporation of New York
Application January 2, 1937, Serial No. 66,844
Term of patent 3½ years



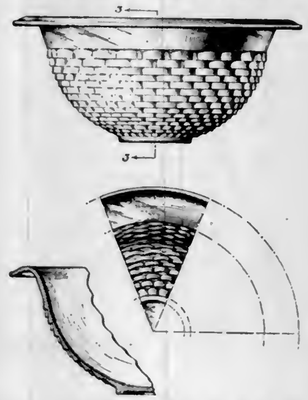
The ornamental design for a brooch substantially as shown and described.

103,598
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., a corporation of New York
Application January 2, 1937, Serial No. 66,852
Term of patent 3½ years



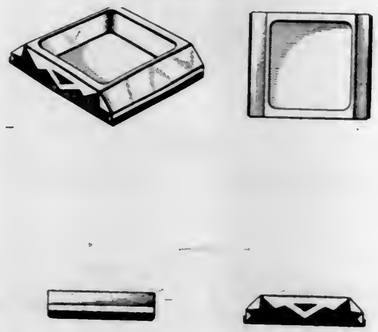
The ornamental design for a clip substantially as shown and described.

103,599
DESIGN FOR A BOWL
William R. Ruck, Clarksburg, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application December 21, 1936, Serial No. 66,666
Term of patent 7 years



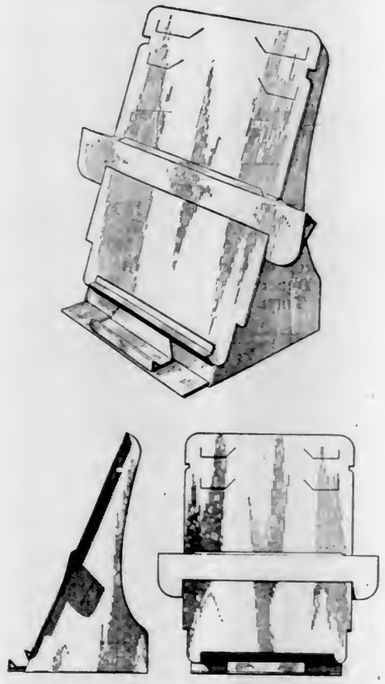
The ornamental design for a bowl as shown.

103,600
DESIGN FOR A BASE FOR A JEWELRY BOX OR SIMILAR ARTICLE
John M. Shields, Jr., Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application December 14, 1936, Serial No. 66,521
Term of patent 7 years



The ornamental design for a base for a jewelry box or similar article, as shown.

103,601
DESIGN FOR A COPY HOLDER
Arthur L. Slee, San Francisco, Calif.
Application January 22, 1937, Serial No. 67,245
Term of patent 14 years



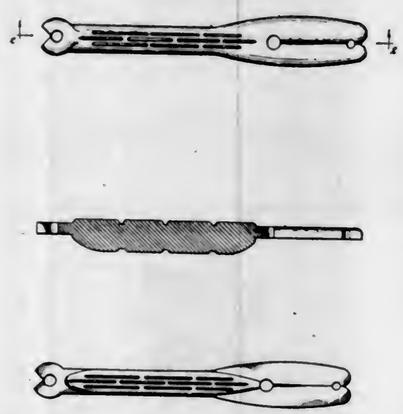
The ornamental design for a copy holder, as shown.

103,602
DESIGN FOR A SHOE
Charles Spalsbury, Fredericktown, Mo., assignor to Spalsbury-Steis-Deevers Shoe Co., Fredericktown, Mo., a corporation of Missouri
Application August 21, 1936, Serial No. 64,511
Term of patent 3½ years



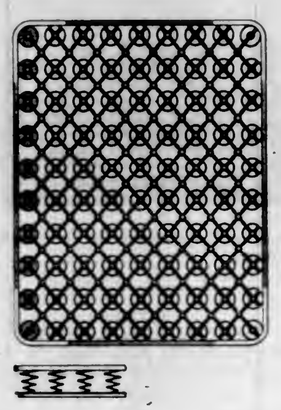
The ornamental design for a shoe substantially as shown and described.

103,603
DESIGN FOR A UTENSIL SCRAPER OR SIMILAR ARTICLE
Norma G. A. Steinberg, Oak Park, Ill.
Application July 3, 1936, Serial No. 63,636
Term of patent 7 years



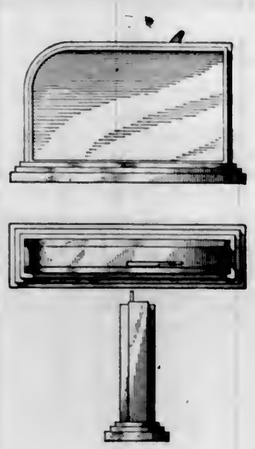
The ornamental design for a utensil scraper or similar article, as shown.

103,604
DESIGN FOR A BEDSPRING
Don Carlos Travis, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application January 2, 1937, Serial No. 66,866
Term of patent 7 years



The ornamental design for a bedspring, substantially as shown and described.

103,605
DESIGN FOR A COIN BANK
David H. Zell, Brooklyn, N. Y.
Application December 24, 1936, Serial No. 66,723
Term of patent 14 years



The ornamental design for a coin bank, as shown.

103,606
DESIGN FOR A TEXTILE FABRIC
Herbert Bernard, New York, N. Y.
Application February 2, 1937, Serial No. 67,393
Term of patent 3½ years



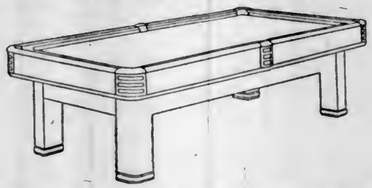
The ornamental design for a textile fabric, substantially as shown.

103,607
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application February 4, 1937, Serial No. 67,446
Term of patent 3½ years



The ornamental design for a dress as shown.

103,608
DESIGN FOR A BILLIARD TABLE
Donald Deskey, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application December 12, 1936, Serial No. 66,495
Term of patent 3½ years



The ornamental design for a billiard table as shown.

103,609
DESIGN FOR A SHIRT COLLAR
Ida Dietz, Brooklyn, N. Y.
Application June 16, 1936, Serial No. 63,325
Term of patent 7 years





The ornamental design for a shirt collar, substantially as shown and described.

103,610
DESIGN FOR A DRESS
Walter B. Earle, New York, N. Y.
Application February 3, 1937, Serial No. 67,417
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

103,611
DESIGN FOR A DRESS
Walter B. Earle, New York, N. Y.
Application February 3, 1937, Serial No. 67,418
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

103,612
DESIGN FOR A SCARF
Ben Goodman, New York, N. Y.
Application February 12, 1937, Serial No. 67,609
Term of patent 3½ years



The ornamental design for a scarf, substantially as shown.

103,613
DESIGN FOR A SCARF
Ben Goodman, New York, N. Y.
Application February 12, 1937, Serial No. 67,611
Term of patent 3½ years



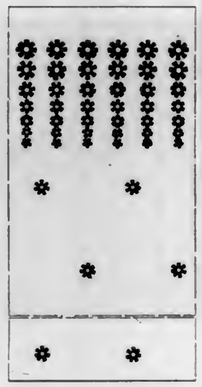
The ornamental design for a scarf, substantially as shown.

103,614
DESIGN FOR A SCARF
Ben Goodman, New York, N. Y.
Application February 12, 1937, Serial No. 67,612
Term of patent 3½ years



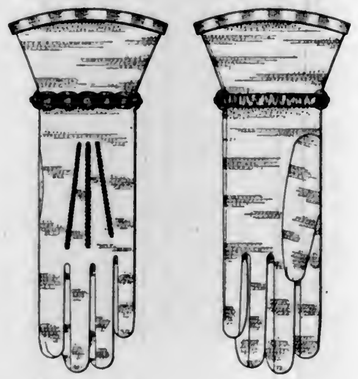
The ornamental design for a scarf substantially as shown.

103,615
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Max Gutschmidt, Union City, N. J.
Application January 6, 1937, Serial No. 66,929
Term of patent 3½ years



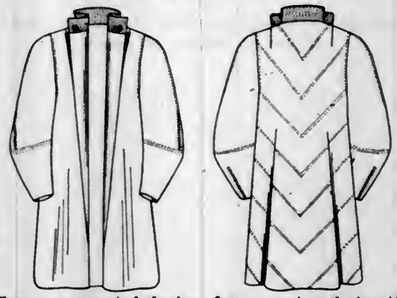
The ornamental design for a textile fabric or similar article, as shown.

103,616
DESIGN FOR A GLOVE
Irving K. Hessberg, New York, N. Y., assignor to Van Raalte Company, New York, N. Y., a corporation of New York
Application December 2, 1936, Serial No. 66,259
Term of patent 3½ years



The ornamental design for a glove, as shown.

103,617
DESIGN FOR A COAT
Julius Leiterman, New York, N. Y.
Application February 5, 1937, Serial No. 67,460
Term of patent 3½ years



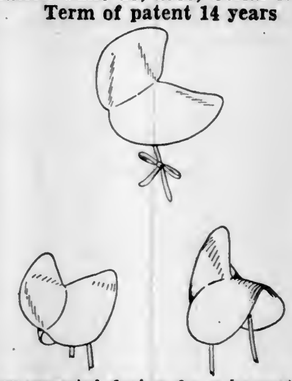
The ornamental design for a coat, substantially as shown.

103,618
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application February 4, 1937, Serial No. 67,441
Term of patent 3½ years



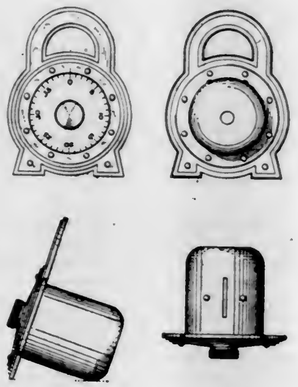
The ornamental design for a dress, substantially as shown.

103,619
DESIGN FOR A BONNET OR SIMILAR ARTICLE
Evelyn Hornsby Mims, Fort Worth, Tex.
Application June 13, 1935, Serial No. 57,250
Term of patent 14 years



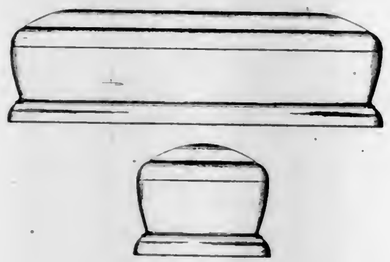
The ornamental design for a bonnet or similar article, as shown.

103,620
DESIGN FOR A SAVINGS BANK
Harry E. Soref and James Keith Marshall, Milwaukee, Wis., assignors to Master Lock Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 9, 1937, Serial No. 66,977
Term of patent 14 years



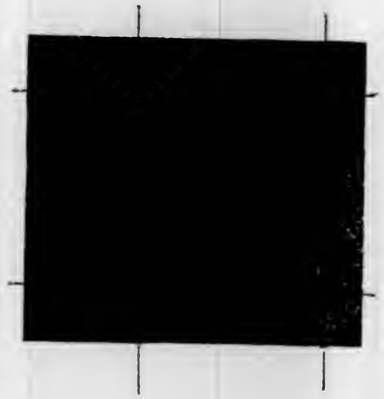
The ornamental design for a savings bank, as shown.

103,621
DESIGN FOR A BURIAL CASKET
Lester N. Strunk, Boyertown, Pa., assignor to Boyertown Burial Casket Company, a corporation of Pennsylvania
Application January 28, 1937, Serial No. 67,319
Term of patent 14 years



The ornamental design for a burial casket as shown.

103,622
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application February 11, 1937, Serial No. 67,586
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

103,623
DESIGN FOR A CARPET OR SIMILAR ARTICLE
George V. Uihlein, Worcester, Mass.
Application December 17, 1936, Serial No. 66,581
Term of patent 7 years



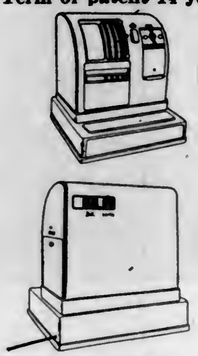
The ornamental design for a carpet or similar article, substantially as shown.

103,624
DESIGN FOR A SEAT
Ernie J. Beck, Chicago, Ill., assignor to S. Karpen & Bros., Chicago, Ill., a corporation of West Virginia
Application November 2, 1936, Serial No. 65,652
Term of patent 3½ years



The ornamental design for a seat, as shown and described.

103,625
DESIGN FOR A CASH REGISTER
Biagio Beria, Turin, Italy, assignor to Societá Anonima Officine Di Villar Perosa, Turin, Italy
Application October 7, 1936, Serial No. 65,188
In Italy April 10, 1936
Term of patent 14 years



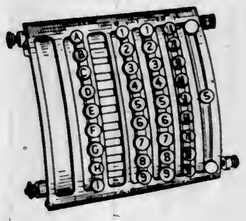
The ornamental design for a cash register, as shown.

103,626
DESIGN FOR A CASH REGISTER
Biagio Beria, Turin, Italy, assignor to Societá Anonima Officine Di Villar Perosa, Turin, Italy
Application October 7, 1936, Serial No. 65,189
In Italy April 10, 1936
Term of patent 14 years



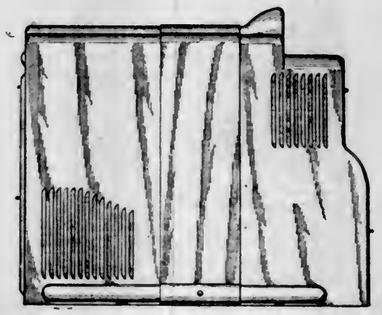
The ornamental design for a cash register, as shown.

103,627
DESIGN FOR A KEYBOARD FOR CASH REGISTERS
Biagio Beria, Turin, Italy, assignor to Societá Anonima Officine Di Villar Perosa, Turin, Italy
Application October 7, 1936, Serial No. 65,190
In Italy April 10, 1936
Term of patent 14 years

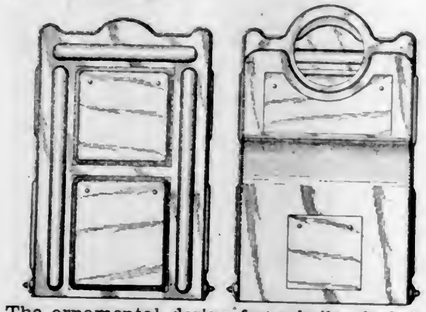


The ornamental design for a keyboard for cash registers, as shown.

103,628
DESIGN FOR A BOILER JACKET
Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application August 13, 1936, Serial No. 64,397
Term of patent 14 years

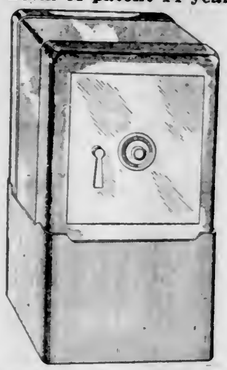


103,628—Continued



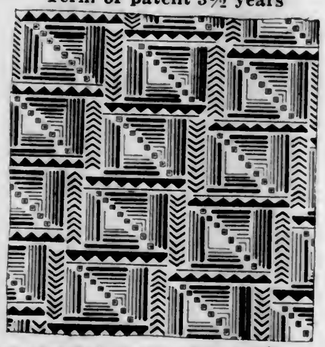
The ornamental design for a boiler jacket, as shown.

103,629
DESIGN FOR A SAFE OR SIMILAR ARTICLE
Charles R. Davis, Rochester, N. Y., assignor of one-half to Charles H. Ineson, Rochester, N. Y.
Application November 19, 1936, Serial No. 66,022
Term of patent 14 years



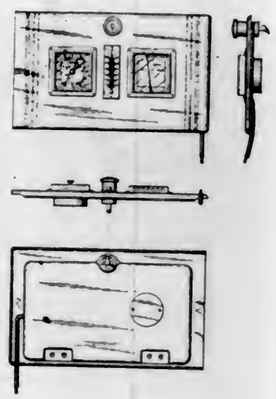
The ornamental design for a safe or similar article, substantially as shown.

103,630
DESIGN FOR A TEXTILE FABRIC
Elsie J. Das, Honolulu, Territory of Hawaii, assignor to Watumull Brothers, a firm composed of Jhamandas Watumull, Gobindram J. Watumull and Ramchand Watumull, doing business as East India Store, Honolulu, Territory of Hawaii
Application January 4, 1937, Serial No. 66,879
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

103,631
DESIGN FOR AN INSTRUMENT BOARD FOR MOTOR VEHICLES
Louis A. Elwert, New York, N. Y.
Application January 22, 1937, Serial No. 67,216
Term of patent 7 years



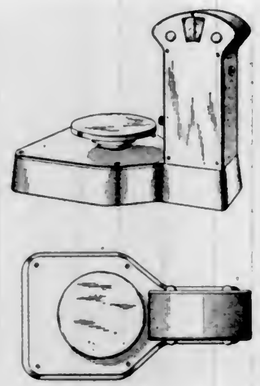
The ornamental design for an instrument board for motor vehicles, as shown.

103,632
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert E. Fatherley, Darien, Conn., assignor to Yale Fabrics Corp., New York, N. Y.
Application February 24, 1937, Serial No. 67,821
Term of patent 3½ years



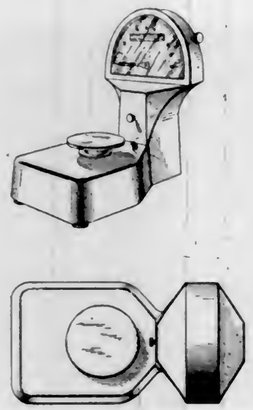
The ornamental design for a textile fabric or similar article as shown and described.

103,633
DESIGN FOR A SCALE
Ernest D. Fear, Kansas City, Mo.
Application January 9, 1937, Serial No. 66,978
Term of patent 14 years



The ornamental design for a scale, substantially as shown.

103,634
DESIGN FOR A SCALE
Ernest D. Fear, Kansas City, Mo.
Application January 9, 1937, Serial No. 66,979
Term of patent 14 years



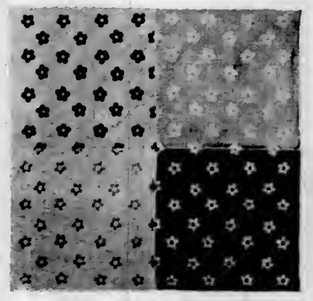
The ornamental design for a scale, substantially as shown.

103,635
DESIGN FOR A TEXTILE FABRIC
Curt E. Forstmann, Montclair, N. J.
Application July 2, 1936, Serial No. 63,615
Term of patent 14 years



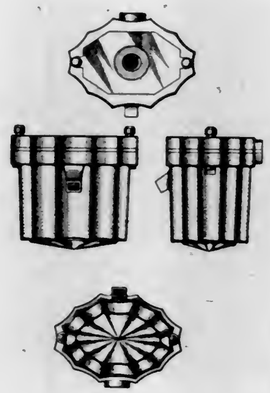
The ornamental design for a textile fabric, as described and as shown.

103,636
DESIGN FOR A SCARF
Ben Goodman, New York, N. Y.
Application February 12, 1937, Serial No. 67,610
Term of patent 3½ years



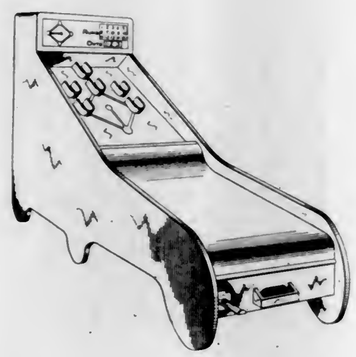
The ornamental design for a scarf substantially as shown.

103,637
DESIGN FOR AN ELECTRIC WATER HEATER
Maurice W. Grober, New York, N. Y., assignor of one-third to Louis B. London and one-third to Louis Newland, both of New York, N. Y.
Application December 4, 1936, Serial No. 66,303
Term of patent 7 years



The ornamental design for an electric water heater substantially as shown.

103,638
DESIGN FOR A GAME APPARATUS
Sherwood C. Ide, Gowanda, N. Y.
Application January 4, 1937, Serial No. 66,888
Term of patent 14 years



The ornamental design for a game apparatus, as shown and described.

103,639
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application February 17, 1937, Serial No. 67,714
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

103,640
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application February 17, 1937, Serial No. 67,715
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

103,641
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application February 20, 1937, Serial No. 67,756
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

103,642
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application February 20, 1937, Serial No. 67,757
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

103,643
DESIGN FOR A TEXTILE FABRIC SUITABLE FOR BLANKETS OR SIMILAR ARTICLE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application January 29, 1937, Serial No. 67,330
Term of patent 7 years



The ornamental design for textile fabric suitable for blankets or similar article, as shown.

103,644
DESIGN FOR A HEATER
Luke O. Morin, Jr., Chattanooga, Tenn., assignor to Samuel Stamping and Enameling Company, Chattanooga, Tenn., a corporation of Tennessee
Application February 15, 1937, Serial No. 67,675
Term of patent 3½ years



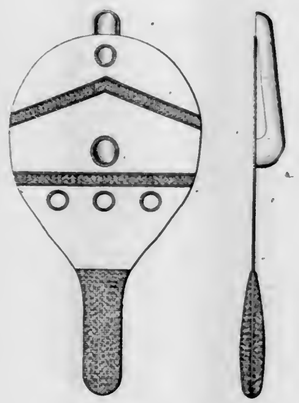
The ornamental design for a heater, as shown and described.

103,645
DESIGN FOR A VELOCIPEDE
Alexis de Sakhnoffsky, Philadelphia, Pa., assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 27, 1937, Serial No. 67,298
Term of patent 7 years



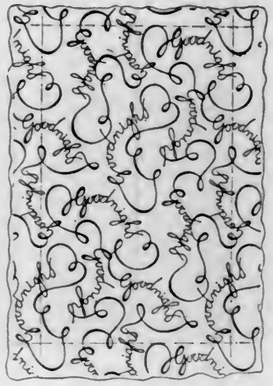
The ornamental design for a velocipede substantially as shown.

103,646
DESIGN FOR A GAME DEVICE
Lawrence W. Van Ore, Rochester, N. Y.
Application December 11, 1936, Serial No. 66,488
Term of patent 3½ years



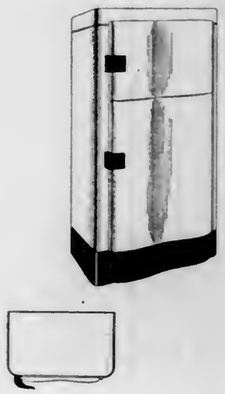
The ornamental design for a game device, as shown.

103,647
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Johnnye Lee Vorhauer, Chicago, Ill., assignor to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois, doing business as The Sterling Company
Application January 18, 1937, Serial No. 67,116
Term of patent 3½ years



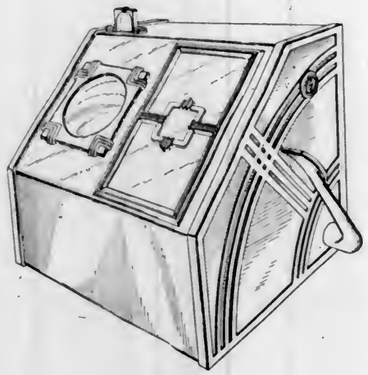
The ornamental design for a textile fabric or similar article as shown and described.

103,648
DESIGN FOR A REFRIGERATOR
William Archibald Welden, Stamford, Conn., assignor to Harder Refrigerator Corporation, Cobleskill, N. Y., a corporation of New York
Application January 28, 1937, Serial No. 67,315
Term of patent 3½ years



The ornamental design for a refrigerator as shown.

103,649
DESIGN FOR AN ILLUMINATED COIN CONTROLLED MACHINE CASING
James G. Wells, Chicago, Ill.
Application February 3, 1936, Serial No. 60,954
Term of patent 3½ years



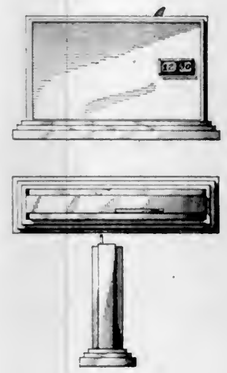
The ornamental design for an illuminated coin controlled machine casing, as shown and described.

103,650
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application February 16, 1937, Serial No. 67,686
Term of patent 3½ years



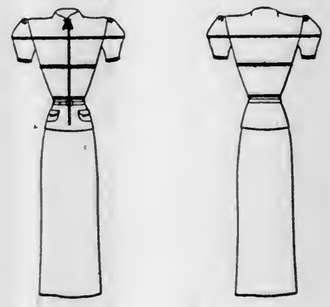
The ornamental design for a textile fabric, substantially as shown.

103,651
DESIGN FOR A COIN BANK
David H. Zell, Brooklyn, N. Y.
Application December 2, 1936, Serial No. 66,251
Term of patent 14 years



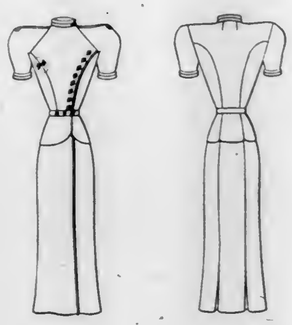
The ornamental design for a coin bank, as shown and described.

103,652
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application February 20, 1937, Serial No. 67,761
Term of patent 3½ years



The ornamental design for a dress as shown.

103,653
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application February 20, 1937, Serial No. 67,763
Term of patent 3½ years



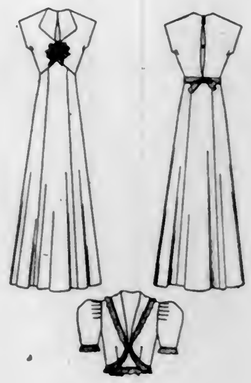
The ornamental design for a dress as shown.

103,654
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application February 9, 1937, Serial No. 67,530
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

103,655
DESIGN FOR A DRESS ENSEMBLE
Elizabeth Cutler, New York, N. Y.
Application February 11, 1937, Serial No. 67,583
Term of patent 3½ years



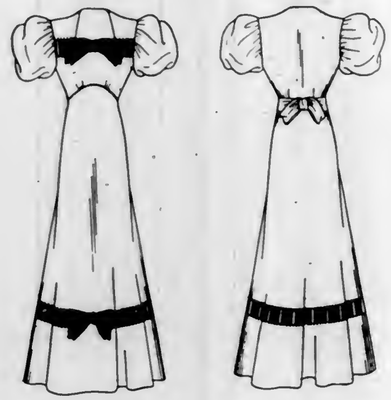
The ornamental design for a dress ensemble, substantially as shown, and described.

103,656
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application February 16, 1937, Serial No. 67,683
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

103,657
DESIGN FOR A DRESS
Rose Feintuck, New York, N. Y.
Application February 19, 1937, Serial No. 67,747
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

103,658
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application February 9, 1937, Serial No. 67,531
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

103,659
DESIGN FOR A DRESS
Maxwell Richter, New York, N. Y.
Application February 16, 1937, Serial No. 67,684
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

103,660
DESIGN FOR A TEXTILE FABRIC
Walter Ross, New York, N. Y., asignor to J. Rosenholz, New York, N. Y.
Application February 17, 1937, Serial No. 67,702
Term of patent 3½ years



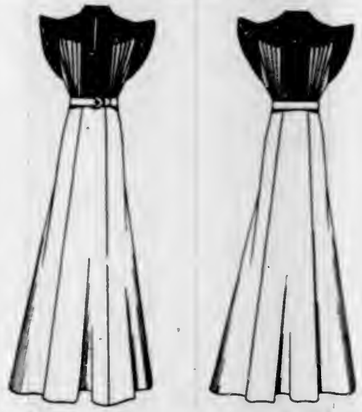
The ornamental design for a textile fabric substantially as shown.

103,661
DESIGN FOR A FLOWER-EMBROIDERED DRESS FABRIC
Rica Stiglitz, New York, N. Y.
Application February 3, 1937, Serial No. 67,430
Term of patent 14 years



The ornamental design for a flower-embroidered dress fabric, as shown and described.

103,662
DESIGN FOR A DRESS
Philip Wenett, New York, N. Y.
Application February 20, 1937, Serial No. 67,758
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

Patents Nos. 2,074,317 to 2,075,003

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March 23, 1937

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Labels	65—No.	49,078 to No.	49,142, inclusive.
Prints	27—No.	16,112 to No.	16,138, inclusive.
Reissues	11—No.	20,301 to No.	20,311, inclusive.
Plant Patents	1—No.	239.	
Patents	687—No.	2,074,317 to No.	2,075,003, inclusive.
Designs	133—No.	103,663 to No.	103,795, inclusive.
Total	1,105		

Trade-Mark Registrations Canceled

144,209. Soap. Charles Munter, New York, N. Y. Registered June 28, 1921. Canceled February 19, 1937.

236,515. Certain named men's and youths' clothing. Robert-Wicks Company, Utica, N. Y. Registered December 13, 1927. Canceled March 5, 1937.

312,191. Heaters for motor vehicles. William A. Otwell, doing business as Specialty Distributors Company, Detroit, Mich. Registered April 17, 1934. Canceled February 5, 1937.

327,568. Canned peas. Owen Canning Company, Owen, Wis. Registered August 27, 1935. Canceled March 5, 1937.

328,059. Paper bags, cups, plates, saucers, facial tissue boxes, and waste-paper baskets. House-Hold Paper Products, Detroit, Mich. Registered September 10, 1935. Canceled March 5, 1937.

330,544. Certain named laundry appliances and machines. Utiliten Corporation, New York, N. Y. Registered December 3, 1935. Canceled February 19, 1937.

336,313. Whiskeys, brandies, gins, and cordials. Jacob S. Polefsky, doing business as Continental Pure Products Co., Jersey City, N. J. Registered June 30, 1936. Canceled March 5, 1937.

336,394. Ladies' shoes. Schwartz & Benjamin, Inc., Brooklyn, N. Y. Registered July 7, 1936. Canceled February 5, 1937.

337,508. Biscuits. Gristede Bros. Inc., New York, N. Y. Registered August 11, 1936. Canceled February 5, 1937.

Adjudicated Patents

(D. C. N. Y.) Hill patent, No. 1,513,172, for apparatus and process for removing noncondensable gases, claims 1 and 6 *Held* valid and infringed. *Waddell* v. *Eastman Kodak Co.*, 17 F. Supp. 490.

(C. C. A. Colo.) Trott patent, No. 1,834,907, for engine mounting *Held* invalid. *Trott* v. *Cullen*, 87 F.(2d) 200.

(C. C. A. Ohio.) Cunningham patent, No. 1,859,198, for combination garment, claims 3 and 4 *Held* invalid. *Loeber Hair Goods Co.* v. *H. W. Gossard Co.*, 87 F.(2d) 98.

(C. C. A. Colo.) Trott patent, No. 1,890,871, for automobile vehicle, claims 30 to 37 inclusive, *Held* invalid. *Trott* v. *Cullen*, 87 F.(2d) 200.

(C. C. A. Md.) Ottenheimer reissue patent, No. 16,941, for refrigerating case, claims 1, 4, 9, 11, 12, 13, and 14 *Held* invalid. *Ottenheimer Bros.* v. *Libowitz*, 87 F.(2d) 190.

Disclaimer

1,499,472.—*Hazen C. Pratt*, Cambridge, Mass. AIRPLANE-LANDING MECHANISM. Patent dated July 1, 1924.

Disclaimer filed February 15, 1937, by the patentee.

Hereby enters this disclaimer to each of claims 4, 5, 7, 8 and 11 of said Letters Patent.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, Feb. 24, 1937.*

Fire-O-Matic, Inc., its assigns, or legal representatives take notice:

A cancellation proceeding having been instituted by this Office upon the application of Iron Fireman Manufacturing Company, 4784 S. E. Seventeenth Avenue, Portland, Oreg., to effect the cancellation of trade-mark registration No. 283,114, issued May 19, 1931, to Fire-O-Matic, Inc., 83 Fifth Street, Portland, Oreg., and a notice of such proceeding sent by registered mail to said Fire-O-Matic, Inc. at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Fire-O-Matic, its assigns or legal representatives shall enter an appearance within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business March 6, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 37,251; Trade-Mark Division, 1,655. Oldest new case, Aug. 22, 1936; oldest amended, Aug. 29, 1936.)
(The dates given are 1936 except where † indicates 1937)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Nov. 7	Dec. 28	444
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Oct. 8	Oct. 5	801
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Dec. 8	Dec. 7	486
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Nov. 9	Nov. 9	599
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics: Sound Recording; Knotters; Buckles, Buttons, Etc.	Nov. 27	Nov. 25	461
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Nov. 5	Nov. 6	721
5725	7. JARBOE, C. G., Optics; Photography	Dec. 7	Dec. 7	831
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Oct. 31	Nov. 10	469
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Dec. 15	Dec. 15	427
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Dec. 1	Dec. 12	431
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Dec. 9	Dec. 14	399
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms.	Oct. 10	Oct. 19	652
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Dec. 18	Dec. 19	488
5097	14. SMITH, O. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Nov. 23	Nov. 25	580
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Dec. 2	Dec. 2	953
5612	16. SPENCER, C. J., Telegraphy; Telephony	Nov. 12	Nov. 12	597
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 9	Dec. 10	530
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 29	Oct. 31	489
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Nov. 21	Nov. 18	704
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Nov. 28	Dec. 1	479
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 6	Dec. 6	600
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Dec. 7	Dec. 7	618
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Aug. 22	Aug. 29	227
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 12	Dec. 11	573
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 1	Dec. 4	556
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Dec. 24	Dec. 28	416
5706	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Sept. 23	Sept. 28	802
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Dec. 5	Dec. 2	320
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Dec. 9	Dec. 10	447
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 9	Nov. 6	725
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Dec. 9	Dec. 10	454
4086	32. LESH, CARL (Act.), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating.	Dec. 3	Dec. 7	457
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Dec. 8	Dec. 8	626
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Dec. 31	Dec. 26	296
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Oct. 3	Oct. 9	723
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Dec. 28	Dec. 17	282
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Nov. 2	Nov. 7	731
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Dec. 15	Dec. 14	397
4872	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 20	Nov. 16	418
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Nov. 2	Nov. 2	1098
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Oct. 7	Oct. 14	468
5882	42. CUTTING, H. O., Electric Signaling	Nov. 24	Dec. 7	400
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Dec. 6	Dec. 6	641
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Nov. 11	Nov. 9	613
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Nov. 6	Nov. 13	622
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Nov. 20	Nov. 20	456
7600	47. BARKER, H., Clutches; Brakes	Dec. 14	Dec. 16	430
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 7	Dec. 7	541
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Dec. 7	Dec. 7	419
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Dec. 6	Dec. 6	636
5628	51. BACKUS, C. D., Radiant Energy	Dec. 8	Dec. 8	720
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 10	Dec. 10	608
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Oct. 15	Oct. 21	1008
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Dec. 10	Dec. 10	343
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 16	Oct. 24	793
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Nov. 24	Nov. 12	887
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Nov. 18	Nov. 13	550
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Dec. 21	Dec. 11	328
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	Dec. 19	Dec. 22	369
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Oct. 17	Oct. 21	621
6724	61. PARKS, O. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Dec. 15	Dec. 15	304
3876	62. PUGH, E. C., Games; Geometrical Instruments	Dec. 9	Dec. 16	455
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Nov. 30	Dec. 2	530
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Dec. 5	†Jan. 5	837
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 6	Oct. 1	758
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	†Feb. 6	†Feb. 20	1419
	{Labels and Prints	†Feb. 6	†Feb. 19	236
2905	Designs, H. H. KALUPY	†Feb. 8	†Feb. 20	607

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

FRIGIDAIRE CORPORATION *v.* NORTH AMERICAN CAR CORPORATION

Decided December 24, 1936

1. TRADE-MARKS.—INTERSTATE COMMERCE.—LEASING OF CARS TO WHICH MARK IS APPLIED.
Leasing of cars by applicant for registration of trade-mark applied thereto *Held* to constitute commerce and movement of such cars from the state of their origin Held to involve interstate commerce.

2. SAME—DESCRIPTIVE—"FRIGICAR".
Trade-mark "Frigicar" applied to refrigerator cars *Held* descriptive of the same and therefore not registrable.

APPEAL from Examiner of Interferences. Affirmed.

Messrs. Spencer, Hardman and *Fehr* for Frigidaire Corporation.

Mr. Hal C. Bangs for North American Car Corporation.

FRAZER, *Assistant Commissioner:*

The Examiner of Trade-Mark Interferences dismissed the opposition in the above-entitled proceeding, but nevertheless denied applicant the registration applied for. Both parties have appealed.

Opposer's position, as gathered from the brief on appeal, is that only in the event it should be determined that applicant is otherwise entitled to registration "then the opposition should be sustained and registration refused on the grounds set forth in the notice of opposition". In the view I take of applicant's case it therefore seems unnecessary to discuss the several questions involved in the opposition, other than to say that I think they were all properly disposed of by the Examiner of Interferences, and that I am in substantial agreement with his reasoning in that regard.

The alleged trade-mark sought to be registered is the notation "Frigicar", and the goods with which it is used are described in the application as railroad cars. From the evidence of record in this proceeding, however, it conclusively appears that the mark is actually applied only to mechanically cooled refrigerator cars employed in the transportation of perishable merchandise. These cars are not sold by applicant, but are owned by it and leased to others to be so used. The Examiner of Interferences was of the opinion that this does not amount to trade-mark use by applicant of the mark sought to be registered. In his decision he said:

"It appears from applicant's record that applicant does not sell the cars herein above referred to but rather that such equipment is merely leased by the applicant, especially to packers of products requiring refrigerated transportation. Registration, therefore, is refused on the ground that the mark sought to be registered is merely emblematic of service and is not used as a trade-mark by the applicant."

I am unable to agree with the Examiner's conclusion, nor do I think the cases relied on in support thereof are applicable. Those were all cases in which the purported owner of the mark had failed to apply it to a commodity in which he was dealing commercially as such. The mere fact that one employs an article of commerce in his business and brands it with his trade name is of course insufficient to constitute a trade-mark use of the name; but that is not the situation here. The trade-mark act provides for the registration of marks "used in commerce", and I think the leasing of merchandise bearing the owner's trade-mark is a use in commerce of the mark, just as truly as would be the sale of such merchandise.

In the case of *Vulcan Steam Shovel Co.* v. *Flanders*, 205 Fed. 102, it was held by the District Court for the Eastern District of Michigan that the leasing of a steam shovel, which resulted in its transportation from one State to another, was a transaction in interstate commerce; and in *Butler Bros. Shoe Co.* v. *United States Rubber Co.*, 156 Fed. 1, the Circuit Court of Appeals for the Eighth Circuit reached a similar conclusion with respect to certain factorage contracts between citizens of different States. The rule announced in this latter case, which has been expressly approved by the Supreme Court of the United States on at least two occasions (*International Textbook Co.* v. *Pigg*, 217 U. S. 91 and *Furst* v. *Brewster*, 282 U. S. 493), is stated in the opinion as follows:

"Nor is the fact that these contracts did not evidence sales of the goods determinative of this question. A sale is not the test of interstate commerce. All sales of sound articles of commerce, which necessitate the transportation of the goods sold from one state to another, are interstate commerce; but all interstate commerce is not sales of goods. Importation into one state from another is the indispensable element, the test, of interstate commerce; and every negotiation, contract, trade, and dealing between citizens of different states, which contemplates and causes such importation, whether it be of goods, persons, or information, is a transaction of interstate commerce."

[1] Applying that rule to the facts before me I have no hesitancy in holding that when applicant leased its cars to others it was engaged in commerce, and that when, pursuant to such leases, the cars were moved from the State of their origin, interstate commerce was involved. It follows of course that the notation impressed upon the goods, were it capable of trade-mark appropriation for such goods, would be registrable to applicant.

[2] Registration must be refused, however, because the mark is manifestly descriptive of the goods. "Frigicar" is merely a contraction of "frigid car", and would necessarily be so understood by the average individual. Applicant's mark is therefore nothing more than the name of its goods in combination with the adjective most aptly describing their distinguishing characteristic. The registration of such marks is expressly prohibited by section 5 of the trade-mark act.

For the reasons stated the decision of the Examiner of Trade-Mark Interferences dismissing the opposition and refusing the registration applied for is affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,223,659, W. S. Barnickel, Treatment of crude oil; 1,467,831, same, Process for treating petroleum emulsions; 1,596,589, M. de Groote, same, D. C., S. D. Calif., C. Div., Doc. E 106–H, *The Tretolite Co. et al.* v. *C. I. Keller et al.* Consent decree holding patents valid and infringed; injunction (notice Jan. 22, 1937).

1,251,377, A. W. Hull, Method of and means for obtaining constant direct current potentials; 1,297,188, I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,728,879, Rice & Kellogg, Amplifying system, D. C., S. D. Calif. (Los Angeles), Doc. E 257–C, *R. C. A. et al.* v. *C. F. Sexton (Radio Products Sales Co.)*. Decree for plaintiff for injunction Feb. 4, 1936).

1,266,517. (See 1,393,520.) 1,297,188. (See 1,251,377.)

1,306,116, 1,383,229, W. B. Moses, Ignition apparatus; 1,375,658, C. F. Gilchrist, Dynamo-electric machine and brush holder device therefor; 1,443,073, 1,520,237, same, Dynamo electric machine; 1,490,104, same, Brush holder; 1,735,112, same, Switch; 1,482,204, Schwarzmann & Rosner, Timer distributer; 1,517,281, L. B. Ehrlich, Dynamo; 1,676,185, 1,703,319, Gilchrist & Patterson, Combined timer and distributer; 1,669,888, R. F. Wollenweber, Ignition device, D. C., S. D. N. Y., Doc. E 59/287, *The Electric Auto-Lite Co.* v. *Guaranteed Parts Co., Inc.* Doc. E 59/100, *The Electric Auto-Lite Co.* v. *Preferred Electric & Wire Corp. et al.* Doc. E 59/101, *The Electric Auto-Lite Co.* v. *Brown-Green Ignition Sales Co., Inc., et al.* Dismissed without prejudice, in each of above cases (notice Jan. 23, 1937).

1,353,743, G. W. Graves, Stove; Dec. 82,007, J. Teller, Cabinet gas range; Dec. 82,769, same, Coal range; 1,817,856, J. Teller, Cabinet gas stove and range; 1,825,373, same, Safety device for gas stoves and ranges; 1,836,781, 1,836,782, same, Stove structure; 1,820,849, Teller & Schulz, Gas or electric cooking range; 1,840,751, same, Gas stove and range; Des. 83,769, same, Closed top cabinet gas, electric or oil range; Des. 85,626, same, Gas or electric cabinet range; Des. 86,524, R. B. Hurt, Gas range, D. C., E. D. Pa., Doc. 7999, *Teller Stove Designing Corp.* v. *Sears, Roebuck & Co.* Discontinued Jan. 22, 1937.

1,375,658. (See 1,306,116.) 1,383,229. (See 1,306,116.)

1,389,067. (See Re. 17,903.)

1,389,067, M. D. Nielson, Undergarment for women; Re. 17,903 (of 1,680,267), same, Process of making garments for women and children; 1,487,971, same, Undergarment of the bloomer type, filed Jan. 27, 1937, D. C. Minn., 4th Div., Doc. E 2956, *Winget Kickernick Co. et al.* v. *L. S. Donaldson Co.* Doc. E 2957, *Winget Kickernick Co. et al.* v. *M. L. Rothschild & Co.*

1,393,520, E. Friederich, Enclosed arc device and method of starting same; 1,266,517, G. S. Meikle, Rectifier, appeal filed Jan. 25, 1937, C. C. A., 2d Cir. Doc. —, *General Electric Co.* v. *Amperex Electronic Products, Inc., et al.*

1,403,932, R. H. Wilson, Electron discharge device; 1,465,332, H. D. Arnold, Vacuum tube amplifier; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,936,162, R. A. Heising, Transmission system, D. C., S. D. Calif. (Los Angeles), Doc. E 1075–C, *R. C. A. et al.* v. *Pacific Trading Co.* Decree for plaintiff; injunction Dec. 30, 1936.

1,443,073. (See 1,306,116.)

1,452,043, C. W. Harrold, Inking mechanism; 1,865,445, G. A. Rutkoskie, Heat control for wax carboning press; Re. 18,931, same, Apparatus for producing wax carbon spots on sheets of paper by impression; 1,930,429, same, Process for producing wax carbon spots on sheets of paper by impression on an ordinary printing press; 1,983,948, same, Printing press for printing wax carbon spots on sheets of paper; 1,961,828, same, Process for producing wax carbon spots; 2,061,984, same, Apparatus for presses for producing wax carbon spots on sheets of paper; 2,007,596, W. F. Burke, Temperature control; 1,961,826, N. S. Welk, Printing press for printing wax carbon spots on sheets of paper; Re. 19,642, Rutkoskie & Welk, same; filed Jan. 22, 1937, D. C., S. D. W. Va. (Huntington), Doc. E 3090, *The McBee Co.* v. *Standard Printing & Publishing Co.*

1,465,332. (See 1,403,932.) 1,467,831. (See 1,223,659.)

1,482,204. (See 1,306,116.)

1,487,971. (See 1,389,067 and Re. 17,903.)

1,490,104. (See 1,306,116.) 1,507,016. (See 1,403,932.)

1,507,017. (See 1,403,932.) 1,517,281. (See 1,306,116.)

1,520,237. (See 1,306,116.) 1,573,374. (See 1,251,377.)

1,596,589. (See 1,223,659.)

1,639,713, A. F. Sykes, Reproduction of sound; 1,885,001, H. F. Olson, Apparatus for converting sound vibrations into electrical variations; 1,897,732, Olson & Kreuzer, System for the conversion and transfer of energy, D. C., S. D. N. Y., Doc. E 78/201, *R. C. A.* v. *W. A. Bruno et al. (Bruno Laboratories)*. Consent decree for plaintiff (notice Jan. 27, 1937).

1,655,240. (See Re. 17,985.)

1,669,888. (See 1,306,116.)

1,676,185. (See 1,306,116.) 1,680,267. (See 1,389,067.)

1,703,319. (See 1,306,116.)

1,711,728, T. W. Forrest, Dried fruit product; 1,711,729, same, Process for treating fruits, especially raisins; 1,773,425, same, Dried fruit treatment, D. C., S. D. Calif. (Los Angeles), Doc. E 113–D, *Sun Maid Raisin Growers of Calif.* v. *Bonner Packing Co.* Consent decree for plaintiff, injunction Jan. 22, 1936.

1,711,729. (See 1,711,728.) 1,728,879. (See 1,251,377.)

1,735,112. (See 1,306,116.)

1,736,910, 1,835,999, A. L. Goodknight, Air brake mechanism, D. C., N. D. Tex. (Ft. Worth), Doc. E 846, *A. L. Goodknight* v. *Armour & Co.* Dismissed Jan. 22, 1937.

1,749,355, F. A. Reece, Traversing-means for winding machines; 1,946,506, Swanson & Marcroft, Winding machine, filed Dec. 15, 1937, C. C. A., 1st Cir., Doc. 3214, *Foster Machine Co.* v. *Universal Winding Co.*

1,761,425, F. Buehler, Tree lifter; 1,906,532, Buehler & Eagleson, Tree moving apparatus, filed Jan. 11, 1937, D. C., W. D. Mo. (St. Joseph), Doc. —, *H. R. McMorris et al.* v. *City of St. Joseph, Mo. et al.*

1,773,425. (See 1,711,728.)

1,789,949, A. Georgiev, Electrolytic cell; 1,815,768, same, Electrolyte, D. C., S. D. N. Y., Doc. E 76/187, *Aerovox Corp.* v. *S. Klepper (American Sales Co.)*. Dismissed without prejudice (notice Jan. 26, 1937).

1,800,719, S. S. Cramer, Electrical condenser; 1,932,328, E. H. Tompkins, Condenser frame construction, appeal filed Jan. 11, 1937, C. C. A., 2d Cir., Doc. —, *Condenser Development Corp.* v. *Montgomery Ward & Co.*

1,801,128, 1,892,918, A. E. Waller, Finding for a clasp, D. C., S. D. N. Y., Doc. E 84/245, *A. E. Waller Co., Inc.*, v. *City Novelty Corp.* Consent decree for plaintiff (notice Feb. 1, 1937).

1,810,612. (See Re. 17,413.)

1,815,768. (See 1,789,949.)

1,817,856. (See 1,353,743.) 1,820,849. (See 1,353,743.)

1,821,902, W. A. Baum, Manometer; Des. 93,084, same, Instrument case, filed Dec. 28, 1936, D. C., N. D. Ill., E. Div., Doc. 15490, *W. A. Baum Co., Inc.*, v. *J. Shapiro (Allied Medical Equipment Co.)*.

1,825,373. (See 1,353,743.) 1,835,999. (See 1,736,910.)

1,836,781. (See 1,353,743.) 1,836,782. (See 1,353,743.)

1,840,751. (See 1,353,743.)

1,842,606, M. Hart, Identification for rubber goods; 1,875,582, J. R. Foley, Method and means for identifying rubber goods, filed Feb. 1, 1937, D. C., S. D. N. Y., Doc. E 84/286, *M. Hart* v. *The B. F. Goodrich Co.*

1,843,359. (See 2,030,020.)

1,853,439. (See Re. 17,413.)

1,865,445. (See 1,452,043.) 1,875,582. (See 1,842,606.)

1,882,771. (See 1,903,559.)

1,885,001. (See 1,639,713.) 1,892,918. (See 1,801,128.)

1,894,612. (See Re. 18,841.)

1,896,369. (See 1,903,559.)

1,897,732. (See 1,639,713.)

1,903,559, W. Shakespeare, Jr., Fishing reel; 1,896,369, E. B. Perrine, Automatic fishing reel brake; 1,882,771, F. Burdick, Fishing reel, appeal filed Jan. 9, 1937, C. C. A., 8th Cir., Doc. 10/828, *F. Burdick et al.* v. *E. B. Perrine et al.*

1,906,532. (See 1,761,425.) 1,930,429. (See 1,452,043.)

1,932,328. (See 1,800,719.) 1,934,976. (See 2,030,020.)

1,936,162. (See 1,403,932.) 1,946,506. (See 1,749,355.)

1,961,826. (See 1,452,043.) 1,961,828. (See 1,452,043.)

1,970,287, Early & Harrington, Sound and moving picture reproducing machine; 2,022,108, J. W. Early, same, filed Oct. 30, 1936, D. C., S. D. Calif., C. Div., Doc. E 1046–S, *J. W. Curtiss* v. *R. C. A. et al.*

1,974,196. (See Re. 19,579.)

1,978,738. (See 2,043,732.)

1,983,948. (See 1,452,043.) 2,007,596. (See 1,452,043.)

2,019,796, W. C. Phillips, Portable car cooler; 2,027,834, same, Car cooling device, filed Jan. 26, 1937, D. C., S. D. Calif. (Los Angeles), Doc. E 1100–H, *Phillips Refrigeration Products, Inc.*, v. *Precooling Car Service Co., Inc., et al.* Same, D. C., N. D. Calif. (Sacramento), Doc. 1277–L, *Phillips Refrigeration Products, Inc.*, v. *A. R. Gilbreth et al.*

2,022,108. (See 1,970,287.) 2,027,834. (See 2,019,796.)

2,030,020, Groene & Meyer, Chuck; Re. 20,090 (of 1,843,359), W. F. Groene, Double center drive crankshaft lathe; Re. 19,905 (of 1,934,976), Groene & Luning, Crankshaft lathe, filed Dec. 11, 1936, D. C., E. D. Mich., N. Div., Doc. 590, *The R. K. Le Blond Machine Tool Co.* v. *Wickes Bros.*

2,043,732, Bragg & Kliesrath, Brake mechanism for automotive vehicles; 1,978,738, same, Brake system for automotive vehicles, filed Dec. 10, 1936, D. C., N. D. Ill., E. Div., Doc. 15477, *Bragg-Kliesrath Corp.* v. *Berg Bros. Mfg. Co.*

2,061,984. (See 1,452,043.)

Re. 17,245, Re. 17,247, W. G. Cady, Method of maintaining electric currents of constant frequency; Re. 17,355, same, Piezo-electric resonator, D. C., S. D. N. Y., Doc. E 52/389, *R. C. A.* v. *R. C. Powell & Co., Inc.* Interlocutory decree made final, sustaining patents and granting injunction (notice Jan. 25, 1937).

Re. 17,247. (See Re. 17,245.)

Re. 17,355. (See Re. 17,245.)

Re. 17,413, A. T. Kathner, Annealing and heat treating furnace; 1,810,612, same, Method of heat treating metal; 1,853,439, E. S. Lawrence, Method of heat treating steel, filed Jan. 28, 1937, D. C., W. D. Pa., Doc. E 3267, *The Duraloy Co.* v. *Carnegie-Illinois Steel Corp. et al.*

Re. 17,903. (See 1,389,067.)

Re. 17,903, M. D. Neilson, Process of making garments for women and children; 1,389,067, same, Undergarment for women; 1,487,971, same, Undergarment of the bloomer type, appeal filed Jan. 25, 1937, C. C. A., 2d Cir., Doc. —, *Winget Kickernick Co. et al.* v. *Sil-O-Ette Underwear Corp.*

Re. 17,985 (of 1,655,240), J. Radcliffe, Road making, filed Jan. 23, 1937, D. C., E. D. Wis. (Milwaukee), Doc. 5041, *Colprovia, Ltd., et al.* v. *Payne & Dolan of Wis., Inc.*

Re. 18,841, J. Mayer, Hair waving method; 1,894,612, J. Mayer, Hair waving apparatus, D. C., S. D. Calif., C. Div., Doc. E 18–S, *The Philad Co. et al.* v. *The Johnson Co., Inc.* Claims 2, 3, 4, 5, and 6 of reissue held valid and infringed Jan. 8, 1937.

Re. 18,931. (See 1,452,043.)

Re. 19,579 (of 1,974,196), R. H. Roethel, Window control mechanism, D. C., N. D. Ohio, W. Div., Doc. E 1515, *J. H. Roethel* v. *The Myers Regulator Co.* Dismissed Jan. 23, 1937.

Re. 19,642. (See 1,452,043.)

Re. 19,801, C. A. Mosgrove, Distributor mechanism, filed Jan. 29, 1937, D. C. Ill. (Springfield), Doc. E 2260, *C. A. Morgrove* v. *Portable Elevator Mfg. Co.*

Re. 19,905. (See 2,030,020.)

Re. 20,090. (See 2,030,020.)

Des. 82,007. (See 1,353,743.)

Des. 82,769. (See 1,353,743.)

Des. 83,769. (See 1,353,743.)

Des. 85,626. (See 1,353,743.)

Des. 86,524. (See 1,353,743.)

Des. 93,084. (See 1,821,902.)

Des. 93,471, Des. 93,472, J. Guttman, Knitted dress, D. C., S. D. N. Y., Doc. E 79/165, *Jos. Guttman & Bros., Inc.*, v. *I. M. Rosenstock et al. (Rosanna Knitted Sportswear)*. Consent order of discontinuance (notice Feb. 1, 1937).

Des. 93,472. (See Des. 93,471.)

T. M. 90,907, Mother's Macaroni Co., Semolina, macaroni and paste products; T. M. 115,209, same, Wheat breakfast food; T. M. 190,536, The Creamette Co., Salt; T. M. 198,245, same, Tea, coffee, grape juice, etc.; T. M. 198,425, same, Chewing gum; T. M. 201,880, same, Potato chips, candy, seedless raisins, etc.; T. M. 233,754, same, Tea and coffee, filed Dec. 19, 1936, D. C., N. D. Ill., E. Div., Doc. 15483, *The Creamette Co.* v. *Overland Candy Corp. et al.*

T. M. 115,209. (See T. M. 90,907.)

T. M. 190,536. (See T. M. 90,907.)

T. M. 198,245. (See T. M. 90,907.)

T. M. 198,425. (See T. M. 90,907.)

T. M. 201,880. (See T. M. 90,907.)

T. M. 233,754. (See T. M. 90,907.)

Changes in Classification

Order No. 3385, March 8, 1937, directs:

In *class 235, Registers* (Division 23), establish the following subclasses and definitions:

Calculators

61.6 Record controlled
61.7 With data comparing,
61.8 With subtraction,
61.9 With printing,
61.10 With punching,
61.11 Sensing or analyzing mechanism,
61.12 Records.

61.6. Machines under subclass 61 controlled by the sensing or analyzing of data from a record.
(1) Note.—Record controlled calculating machines combined with sorting mechanisms are included in this group.
(2) Note.—For vote counting machines responsive to punched or otherwise marked ballots, see this class, subclass 56.

61.7. Machines under subclass 61.6 having a control or controls dependent upon comparison of two or more sets of data which may be carried upon record cards, accumulators or other entry receiving devices.

61.8. Machines under subclass 61.6 having provision for performing subtraction.

61.9. Machines under subclass 61.6 combined with mechanism for printing the data set up or the results, or both.
Note.—For record controlled printing devices wherein no calculating machine structure is included, see class 101, PRINTING, principally subclasses 2, 19, 20, 93, and 96.

61.10. Machines under subclass 61.6 combined with mechanism for punching the data set up or the results, or both.
Note.—For record controlled punching devices wherein no calculating machine structure is included, see class 164, CUTTING AND PUNCHING SHEETS AND BARS, subclasses 114 and 115.

61.11. Mechanisms for sensing or analyzing data on a record which are peculiarly adapted for use in controlling record controlled calculating machines or those analyzing mechanisms capable of general application in record controlled statistical machines.

Note.—Record sensing or analyzing mechanisms are employed in combination with various art machines. Attention is called to the following:

Class 66, TEXTILES, KNITTING, particularly subclass 154.
Class 84, MUSIC, subclass 115, and indented subclasses.
Class 96, TEXTILES, BRAIDING, NETTING OR LACE MAKING, subclass 11.
Class 101, PRINTING, principally subclasses 2, 19, 20, 93 and 96.
Class 112, SEWING MACHINES, subclasses 4 and 84.
Class 139, TEXTILES, WEAVING, subclasses 317 and 331.
Class 164, CUTTING AND PUNCHING SHEETS AND BARS, subclasses 114 and 115.
Class 177, ELECTRIC SIGNALING, particularly subclasses 346, 350 and 380.
Class 178, TELEGRAPHY, subclass 3, and indented subclasses.
Class 197, TYPEWRITING MACHINES, subclass 20.
Class 199, TYPE CASTING, subclasses 74 and 77.
Class 200, ELECTRICITY, CIRCUIT MAKERS AND BREAKERS, subclass 46.
Class 209, CLASSIFYING, SEPARATING AND ASSORTING SOLIDS, subclass 110.
Class 276, TYPE SETTING, subclass 13.

61.12. Record means per se, such as cards, plates, strips or sheets, employed in record controlled statistical machines.

The patents contained in these subclasses have been taken from various subclasses in class 235, principally subclasses 1, 58, 91, and 92.

In class *235, Registers* (Division 41), change the definition of subclass 85 by cancelling in the last line the words "exposed to view at a sight opening" and substituting therefor the word *obtained.*

In *class 235, Registers* (Division 41), subclass 56, add to the definition the following note:

Note.—For record controlled calculating machines, see this class, subclass 61.6, and indented subclasses.

In *class 235, Registers* (Division 23), subclass 58, add to the definition the following note:

Note.—For record controlled calculating machines with printing mechanism, see this class, subclass 61.9.

In *class 235, Registers* (Division 41), subclass 91, add to the definition the following note:

Note.—For record controlled operating devices for registering mechanisms, see this class, subclasses 56 and 61.6, and indented subclasses.

In *class 235, Registers* (Division 41), subclass 92, add to the definition the following note:

Note.—For electrically operated record controlled registering mechanisms, see this class, subclasses 56 and 61.6, and indented subclasses.

In *class 164, Cutting and Punching Sheets and Bars* (Division 57), subclass 114, add to the definition the following note:

Note.—For record controlled punching mechanism combined with registering mechanism, see class 235, REGISTERS, subclass 61.10;

and in subclasses 114 and 115 in the last two lines of the definitions cancel the words "so as to duplicate the pattern."

In *class 178, Telegraphy* (Division 16), subclass 3, add to the definition the following note:

Search class—
235—REGISTERS, subclasses 56 and 61.6, and indented subclasses, for record controlled registering mechanisms.

In *class 197, Typewriting Machines* (Division 41), subclass 19, add to the definition the following note:

Note.—For record controlled calculating machine operators, see class 235, REGISTERS, subclass 61.6, and indented subclasses.

In *class 200, Electricity, Circuit Makers and Breakers* (Division 37), subclass 46, add to the note following the definition the following:

and class 235, REGISTERS, subclasses 56 and 61.6, and indented subclasses.

In *class 209, Classifying, Separating, and Assorting Solids* (Division 25), subclass 110, add to the definition the following note:

Note.—For record controlled card sorting combined with registering mechanism, see class 235, REGISTERS, subclass 61.6, and indented subclasses.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,981,724, T. J. Donovan, Jr., Adjustable display structure, decided February 24, 1937, claims 1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 16, 22, and 23.

Pat. 2,044,972, F. C. Dell, Pencil plunger, decided February 4, 1937, claims 1 and 3.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 23, 1937

[VOL. 476. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 386,377. BERNARD RABINOWITZ FUR CORPORATION, New York, N. Y. Filed Dec. 5, 1936.



RAEBURN

The words "Ultra Peltries Fine" and "Raeburn" are disclaimed apart from the mark. The drawing is lined for red and blue.

For Fur Skins.

Claims use since Nov. 1, 1936.

Ser. No. 387,190. KENTUCKY BOONE COAL COMPANY, Chicago, Ill. Filed Dec. 28, 1936.



The words "Kentucky Coal" are disclaimed. The picture is that of Daniel Boone, famous American pioneer.

For Coal.

Claims use since Mar. 1, 1915.

Ser. No. 387,191. KENTUCKY BOONE COAL COMPANY, Chicago, Ill. Filed Dec. 28, 1936.



The picture is that of Daniel Boone, famous American pioneer.

For Coal.

Claims use since Mar. 1, 1915.

CLASS 2

Receptacles

Ser. No. 387,364. BARIONETTE COMPANY, INC., Long Island City, N. Y. Filed Jan. 2, 1937.

BARIONETTE

For Ornamental Receptacles Molded of Wood Pulp Composition or Other Suitable Moldable Material, in the Form of a Figure for the Reception of Bottles.

Claims use since Oct. 1, 1936.

Ser. No. 387,365. BARIONETTE COMPANY, INC., Long Island City, N. Y. Filed Jan. 2, 1937.

COLONEL

For Ornamental Receptacles Molded of Wood Pulp Composition or Other Suitable Moldable Material, in the Form of a Figure for the Reception of Bottles.

Claims use since Oct. 1, 1936.

Ser. No. 387,366. BARIONETTE COMPANY, INC., Long Island City, N. Y. Filed Jan. 2, 1937.

SCOTCHMAN

For Ornamental Receptacles Molded of Wood Pulp Composition or Other Suitable Moldable Material, in the Form of a Figure for the Reception of Bottles.
Claims use since Oct. 1, 1936.

Ser. No. 387,367. BARIONETTE COMPANY, INC., Long Island City, N. Y. Filed Jan. 2, 1937.

SERENADER

For Ornamental Receptacles Molded of Wood Pulp Composition or Other Suitable Moldable Material, in the Form of a Figure for the Reception of Bottles.
Claims use since Oct. 1, 1936.

Ser. No. 387,971. ATLANTA PAPER COMPANY, Atlanta, Ga. Filed Jan. 21, 1937.



For Paper Bags and Boxes.
Claims use since 1913.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Receptacles

Ser. No. 385,477. PHILIP FLORIN, INC., New York, N. Y. Filed Nov. 13, 1936.

Duo-Zip

For Traveling Cases.
Claims use since Oct. 15, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 381,180. WEST COAST SOAP COMPANY, Oakland, Calif. Filed July 18, 1936.



The drawing is lined for yellow and blue.
For Granulated Laundry Soap.
Claims use since July, 1931.

Ser. No. 381,257. THE CANFIELD OIL COMPANY, Cleveland, Ohio. Filed July 21, 1936.

Nu-Glo

For Oil Soap.
Claims use since June 16, 1936.

Ser. No. 386,438. MIDWAY CHEMICAL CO., Chicago, Ill. Filed Dec. 7, 1936.

"Duxoil"

For Water-Proofing Compound for Shoes and Articles Made of Leather.
Claims use since Oct. 16, 1936.

Ser. No. 387,363. ASHWORTH ADVERTISING COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 2, 1937.



For Shaving Cream.
Claims use since Dec. 30, 1936.

Ser. No. 387,498. THE COWLES DETERGENT COMPANY, Cleveland, Ohio. Filed Jan. 6, 1937.

ESCOMET

For Detergent Composition Consisting Mainly of Sodium Meta Silicate With or Without Other Alkalies.
Claims use since Dec. 1, 1936.

CLASS 5

Adhesives

Ser. No. 381,452. GRAEME HARRISON PRODUCTS, INC., New York, N. Y. Filed July 25, 1936.

ALLTAK

For Adhesive Tapes.
Claims use since Mar. 25, 1936.

Ser. No. 381,453. GRAEME HARRISON PRODUCTS, INC., New York, N. Y. Filed July 25, 1936.

PAPERTAK

For Adhesive Tapes.
Claims use since Mar. 30, 1936.

Ser. No. 381,454. GRAEME HARRISON PRODUCTS, INC., New York, N. Y. Filed July 25, 1936.

TABTAK

For Adhesive Tape.
Claims use since Mar. 25, 1936.

Ser. No. 381,456. GRAEME HARRISON PRODUCTS, INC., New York, N. Y. Filed July 25, 1936.

UNITAK

For Adhesive Tapes.
Claims use since Mar. 25, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 372,015. WILLIAM H. JOYCE, doing business as Joyce Beauty Products Co., New York, N. Y. Filed Nov. 26, 1935.

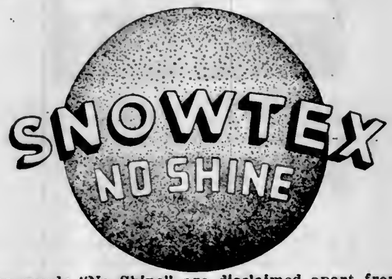


CRYSTAL-WHITE

"Rave about *Your* Wave"

The term "Crystal White" is disclaimed apart from the mark. The representation of a girl's head is fanciful.
For Hair Waving Solutions.
Claims use since Sept. 3, 1935.

Ser. No. 377,120. T. GOSTAGE LEEK, New York, N. Y., assignor to West Virginia Pulp & Paper Company, New York, N. Y., a corporation of Delaware. Filed Apr. 11, 1936.



The words "No Shine" are disclaimed apart from the mark as shown.
For Face Powder.
Claims use since Mar. 20, 1936.

Ser. No. 380,719. SIDNEY B. SCOBELL, doing business as Nox Laboratories, Toronto, Ontario, Canada. Filed July 7, 1936.

Gastronox

For Powder for the Relief of Hyperacidity and Sour Stomach.
Claims use since January, 1935.

Ser. No. 382,882. THE NATIONAL DRUG COMPANY, Philadelphia, Pa. Filed Sept. 3, 1936.

BISMOL

For Solution Having Medicinal Properties and Intended for Use in the Treatment of Syphilis and Similar Diseases.
Claims use since 1927.

Ser. No. 383,115. MARY KOWALSKI, doing business as New Life Herb Company, Chicago, Ill. Filed Sept. 4, 1936.

M. K. HERBS

The word "Herbs" is disclaimed apart from the mark as shown.

For Roots and Herbs for Heartburn, Nervousness, Headaches, and Insomnia.

Claims use since Aug. 28, 1936.

Ser. No. 383,387. CHLORIT MANUFACTURING CORP., doing business as Chlorit Chemical Corp., Brooklyn, N. Y. Filed Sept. 18, 1936.



All wording on the drawing is disclaimed apart from the mark except the words "Chlorit Chemical Corp.".

For Bleach, Deodorant, Germicide, and Disinfectant, Which is Also Used as a Cleaning Compound.

Claims use since Sept. 1, 1936.

Ser. No. 384,185. MILLER MEDICALS INC., Indianapolis, Ind. Filed Oct. 12, 1936.

Mi-me-in Laxative-Aspirin

The words "Laxative-Aspirin" and "Trade-Mark" are disclaimed except as used in the trade-mark.

For Tablets for Cold, Headache, and General Pain.

Claims use since October, 1935.

Ser. No. 385,719. ANTOINE DE PARIS, INC., New York, N. Y. Filed Nov. 19, 1936.

SKI

For Skin Cream, Lipstick, and Lipstick Refills.

Claims use since Nov. 7, 1936.

Ser. No. 386,228. VITAMINT CORPORATION, Boston, Mass. Filed Dec. 2, 1936.

Vita-Beaut

For Facial and Body Cosmetic Creams and Oils.

Claims use since Jan. 21, 1935.

Ser. No. 386,453. SAKS & COMPANY, New York, N. Y. Filed Dec. 7, 1936.

MAJOR'S

For After Shaving Lotion and After Shaving Powder.

Claims use since Sept. 1, 1933.

Ser. No. 386,563. CALCINITE CHEMICALS, INC., Yonkers and New York, N. Y. Filed Dec. 4, 1936.

R-V-SUPER-FLO

For Chemicals or Chemical Preparations Used in Connection With Water Treatment for the Elimination of Rust and Scale Within Boilers and Water Systems.

Claims use since June 15, 1936.

Ser. No. 386,683. NORMAN C. MACQUITHY, doing business as Rid Products, Terre Haute, Ind. Filed Dec. 12, 1936.



The words "For Dog and Kat" and "Mange" are disclaimed apart from the mark as shown.

For Mange Salve or Ointment for Cats and Dogs.

Claims use since Mar. 4, 1935.

Ser. No. 386,687. NORMAX PRODUCTS, INCORPORATED, Cleveland, Ohio. Filed Dec. 12, 1936.

Normadex

For Laxative Compound.

Claims use since Dec. 1, 1936.

Ser. No. 386,783. LOUIS I. WEINER, doing business as Pharma-Clinical Laboratories, New York, N. Y. Filed Dec. 15, 1936.

TRIMONOIDS

For Suppositories for Vaginal Ailments.

Claims use since July 31, 1936.

Ser. No. 386,859. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 17, 1936.

GOODYEAR

For Anti-Freeze Solution.

Claims use since Oct. 20, 1936.

Ser. No. 386,869. ROSCOE M. NICHOLSON, doing business as Nicholson Chemical Co., Los Angeles, Calif. Filed Dec. 17, 1936.

G. U. TUBES

The word "Tubes" is disclaimed apart from the mark as shown.

For Preventative for Venereal Disease.

Claims use since Nov. 25, 1936.

Ser. No. 386,938. OWEN D. FROST, doing business as Willow Spring Farm, Millington, N. J. Filed Dec. 19, 1936.

PŌL-TRO-PLUX

For Composition for Use in Plucking Birds.

Claims use since Oct. 10, 1936.

Ser. No. 387,010. TRU-LYTE LABORATORIES, Oakland, Calif. Filed Dec. 21, 1936.

TRU-LYTE

For Hair Tint, Hair Shampoo, and Hair Tint Developer.

Claims use since Oct. 15, 1936.

Ser. No. 387,022. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y. Filed Dec. 22, 1936.

'FERAD'

For Medicinal Preparation to be Used in the Treatment of Anaemic Conditions.

Claims use since December, 1936.

Ser. No. 387,089. MAISON JOUBERT, INC., New York, N. Y. Filed Dec. 23, 1936.

MISCHIEF

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid and Cream Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream and Solid Form, Eyebrow and Eyelash Grower, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyebrows and Eyelashes, Hand Lotions, Skin Lotions, After-Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Paste, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch-Hazel, Peroxide, Petroleum Jellies, Witch-Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Dec. 1, 1936.

Ser. No. 387,186. HOGAN ADVERTISING COMPANY, doing business as Cerene Company, Kansas City, Mo. Filed Dec. 28, 1936.



The drawing is lined for red and blue. The portrait is fanciful.

For Medicine for the Relief of Periodic Pains due to Functional Menstrual Disturbances.

Claims use since Nov. 1, 1936.

Ser. No. 387,250. THE MYCO-LAC MINERAL-YEAST COMPANY, Atchison, Kans. Filed Dec. 29, 1936.

MYCO-LAC

Applicant disclaims the use of "Lac" apart from the mark as shown.

For Medicated Mineral Feed for Live Stock and Poultry.

Claims use since Sept. 30, 1936.

Ser. No. 387,360. W. F. STRAUB & COMPANY, Chicago, Ill. Filed Dec. 24, 1936.

Hide-it

For Toilet Preparation for Hiding Skin Blemishes.

Claims use since July 17, 1935.

Ser. No. 387,451. CARTER DRUG COMPANY, Carlisle, Pa. Filed Jan. 5, 1937.

CARTER'S
MUSTAR • SPICE

The words "Mustar . Spice" are disclaimed apart from the mark.

For Ointment for Use in Treating Common Colds in the Head or Chest, Coughs due to Such Colds, and for the Treatment of Chilblains and Minor Muscular Aches and Pains.

Claims use since Mar. 1, 1920.

Ser. No. 387,508. MINER'S, INC., New York, N. Y. Filed Jan. 6, 1937.

Blemi-Stik

The word "Stik" is disclaimed apart from the mark.
For Cosmetic Preparations Used as a Covering for Skin Marks, Rings Under the Eyes, Freckles, Pimples, Etc., and as a Powder Base put up in Stick Form.
Claims use since Jan. 5, 1937.

Ser. No. 387,517. TILLIE L. SCHWARTZ, doing business as Tee-El-Ess Company, Brooklyn, N. Y. Filed Jan. 6, 1937.

TEE-EL-ESS
2-IN-1 DRINK

The word "Drink" is disclaimed apart from the mark as shown.
For Slenderizing Drink.
Claims use since Dec. 28, 1936.

Ser. No. 387,560. RALLET CORPORATION OF AMERICA, Wilmington, Del. Filed Jan. 7, 1937.

LA
GIROFLÉE

For Perfumes, Toilet Waters, Eau de Colognes, Face Powders, Dusting Powders, Bath Powders, Sachet Powders, and Talcum Powders.
Claims use since November, 1932.

Ser. No. 387,596. DAVID POLL, doing business as Almar Chemical Co., New York, N. Y. Filed Jan. 8, 1937.

ALMAROL

For Castor Oil Laxative.
Claims use since Feb. 20, 1936.

Ser. No. 387,738. JOHN CAMPBELL & CO., New York, N. Y. Filed Jan. 13, 1937.

AMIDAZO

For Dyes and Dyestuffs.
Claims use since 1929.

Ser. No. 387,795. MERCK & CO. INC., Rahway, N. J. Filed Jan. 14, 1937.

SETAZINE

For Medicines Used in Bacterial Infections Due to Hemolytic Streptococci.
Claims use since Jan. 2, 1937.

Ser. No. 387,865. DOROTHY GRAY SALONS, Bloomfield, N. J. Filed Jan. 16, 1937.

Elation

For Perfume and Face Powder.
Claims use since Nov. 9, 1936.

Ser. No. 387,877. REFINERS LUBRICATING COMPANY, INC., New York, N. Y. Filed Jan. 16, 1937.

SUR-FLO

For Anti-Freeze Solution.
Claims use since Aug. 1, 1936.

Ser. No. 387,913. MECHLING BROTHERS CHEMICAL COMPANY, Camden, N. J. Filed Jan. 18, 1937.

SULROTE

For Insecticides.
Claims use since Sept. 26, 1935.

Ser. No. 387,918. PACIFIC DISTILLERS, INC., Culver City, Calif. Filed Jan. 18, 1937.

FILMCOL

For Denatured Alcohol.
Claims use since Jan. 6, 1937.

Ser. No. 387,920. PURITAN SOAP COMPANY, Rochester, N. Y. Filed Jan. 18, 1937.



For Fluid Mixture for Use in Hydraulic Brake Systems and a Liquefied Mixture for Stopping Leaks in Automobile Radiators and Similar Uses.
Claims use since Mar. 2, 1936.

Ser. No. 387,960. GEORGE W. YOST, doing business as Universal Automatic Water Softener and Purifier Co., Chicago, Ill. Filed Jan. 19, 1937.

The
UNIVERSAL

For Water Softener and Water Purifier.
Claims use since July 1, 1936.

Ser. No. 387,996. ALLEN FISHMAN, doing business as Ka-zene Laboratories, Minneapolis, Minn. Filed Jan. 21, 1937.

Ka-zene

For Nose Drops.
Claims use since Sept. 15, 1936.

Ser. No. 388,071. SANDOZ CHEMICAL WORKS, INC., New York, N. Y. Filed Jan. 22, 1937.

BASERGIN

For Pharmaceutical Preparation for Use in Obstetrics and Gynecology and Other Conditions Amenable to Ergot Therapy.
Claims use since Jan. 14, 1937.

Ser. No. 388,118. THE BLACK FLAG COMPANY, Baltimore, Md. Filed Jan. 25, 1937.

BLACK FLAG

For Insecticides.
Claims use since 1883.

CLASS 12

Construction Materials

Ser. No. 380,166. VANCOUVER PLYWOOD & VENEER COMPANY, Vancouver, Wash. Filed June 24, 1936.

ART-PLY

The word "Ply" is disclaimed apart from the mark shown.
For Inlaid Plywood for Walls and Ceilings.
Claims use since May 1, 1936.

Ser. No. 383,354. DRIWOOD CORPORATION, New York, N. Y., assignor to Mannie Berger, New York, N. Y. Filed Sept. 17, 1936.

DRIWOOD CORP.
HENRY KLEIN
CREATIONS

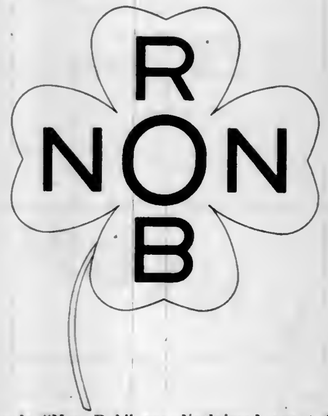
The word "Creations" is disclaimed apart from the mark.
For Partitions, Doors, Wood Molding, and Wood Trim.
Claims use since Jan. 1, 1935.

Ser. No. 383,457. AMERICAN POLYTECT CORPORATION, New York, N. Y. Filed Sept. 21, 1936.



For Colored and Colorless Composition Adapted to be Applied in Plastic Form to Walls or Objects to Form a Metallized or Non-Metallized Coating Thereon.
Claims use since July, 1936.

Ser. No. 386,664. ALBERT ST. ARNAULD, Detroit, Mich. Filed Dec. 11, 1936.



The words "Non Rob" are disclaimed apart from the mark.
For Self Locking Container for Use in Building Construction Materials; Said Self Locking Container Being

Adapted to be Built Integrally into a Residence Building or Similar Building Construction and is Provided with a Door Through Which Milk, Groceries, or Similar Commodities May be Placed Therein, a Portion of Said Commodities Being Placed on a Treadle Which Automatically Locks the Outside Entrance Door Thereto, to Prevent Robbing or Removal of the Commodities from Said Self Locking Container.
Claims use since Nov. 23, 1936.

Ser. No. 387,036. THE FLINTKOTE COMPANY, New York, N. Y. Filed Dec. 22, 1936.

PRE-PAC

For Mineral Wool or Similar Thermal Insulation Material.
Claims use since Nov. 23, 1936.

Ser. No. 387,510. NICKEY BROTHERS, INC., Memphis, Tenn. Filed Jan. 6, 1937.



For Hardwood Veneer.
Claims use since June 19, 1935.

Ser. No. 387,758. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Jan. 13, 1937.

Essophalt

For Asphalt.
Claims use since Dec. 1, 1936.

Ser. No. 387,828. HARBOR PLYWOOD CORPORATION, Hoquiam, Wash. Filed Jan. 15, 1937.

SUPER-*Harbord*

For Plywood.
Claims use since Dec. 3, 1936.

Ser. No. 387,843. UNION ROCK WOOL CORP., Wabash, Ind. Filed Jan. 15, 1937.



The words "Rock Wool" are disclaimed apart from the mark.
For Rock Wool Products for Insulation Purpose—Namely, Loose Wool, Granulated Wool, and Sheet Wool.
Claims use since 1902.

Ser. No. 387,900. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill. Filed Jan. 18, 1937.

INLAND

For Asphalt Composition Roofing and Building Papers.
Claims use since Dec. 1, 1936.

Ser. No. 387,933. AMERICAN BITUMULS COMPANY, Wilmington, Del., and San Francisco, Calif. Filed Jan. 19, 1937.

BITUDOBE

For Building Bricks, Adobe Bricks.
Claims use since Jan. 22, 1936.

Ser. No. 388,009. E. J. LAVINO AND COMPANY, Philadelphia, Pa. Filed Jan. 21, 1937.

ONIVAL

For Refractory Bricks, Refractory Plastics, and Refractory Cements.
Claims use since Jan. 4, 1937.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 373,920. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio. Filed Jan. 21, 1936.

SP

For Control Valves for Water Heaters.
Claims use since June, 1931.

CLASS 15

Oils and Greases

Ser. No. 387,095. VALVOLINE OIL COMPANY, Cincinnati, Ohio, and New York, N. Y. Filed Dec. 23, 1936.

Tip Top
PENN

The word "Penn" is disclaimed apart from the mark.
For Lubricating Oils and Greases.
Claims use since Dec. 7, 1936.

Ser. No. 387,922. PURITAN SOAP COMPANY, Rochester, N. Y. Filed Jan. 18, 1937.



For Oil for Use in Shock Absorbers for Automobiles.
Claims use since Aug. 27, 1935.

Ser. No. 388,208. TIDE WATER ASSOCIATED OIL COMPANY, Wilmington, Del., and New York, N. Y. Filed Jan. 26, 1937.

PETROLEX

For Gasoline, Lubricating Oils, and Greases.
Claims use since Jan. 6, 1931.

CLASS 16

Paints and Painters' Materials

Ser. No. 387,284. THE MID-KENT PRODUCTS CO., Larkfield, England. Filed Dec. 30, 1936.



For Polish for Motor-Cars, Furniture, and Finished Wood Surfaces.
Claims use since Oct. 30, 1933.

Ser. No. 388,157. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Jan. 25, 1937.



For Paint Thinners and Mineral Spirits Used as a Diluent and Turpentine Substitute.
Claims use since September, 1928.

Ser. No. 388,391. DERRIS, INC., New York, N. Y. Filed Feb. 1, 1937.

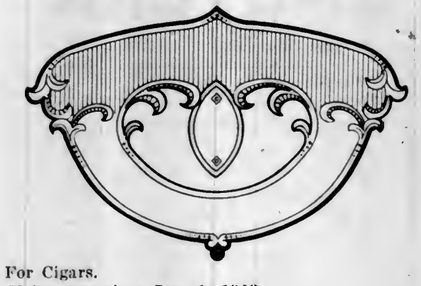
DARIS

For Liquid Rubless Floor Wax, and Furniture Polish.
Claims use since Jan. 5, 1937.

CLASS 17

Tobacco Products

Ser. No. 383,753. JNO. H. SWISHER & SON, INC., Jacksonville, Fla. Filed Sept. 28, 1936.



For Cigars.
Claims use since Jan. 1, 1913.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 386,566. AUTO-RAPID PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 5, 1936.

AUTORAPID

For Automobile Tops.
Claims use since Nov. 10, 1936.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 388,559. BIRD & SON, INC., East Walpole, Mass. Filed Feb. 5, 1937.

CHROMADUR

For Floor Covering of the Hard-Surfaced Flexible Type Having a Decorative Wearing Layer of Powdered Wood and/or Cork and Binder.
Claims use since Jan. 15, 1937.

Ser. No. 388,668. BIRD & SON, INC., East Walpole, Mass. Filed Feb. 9, 1937.

CHROMATEX

For Floor Covering of the Hard-Surfaced Flexible Type Having a Decorative Wearing Layer of Powdered Wood and/or Cork and Binder.
Claims use since Jan. 15, 1937.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 380,370. WALGREEN CO., Chicago, Ill. Filed June 27, 1936.

Mastercraft

For Electric Curling Irons, and Electric Food Mixers.
Claims use since June 10, 1931 on said curling irons; since dec. 6, 1935 on said food mixers.

Ser. No. 387,272. EASTERN BATTERY CORP., Boston, Mass. Filed Dec. 30, 1936.

EASTERN

For Automobile Batteries.
Claims use since July, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 383,475. MOLLY-'ES DOLL OUTFITTERS, INC., Philadelphia, Pa. Filed Sept. 21, 1936.



The portrait is fanciful.
For Dolls' Clothes.
Claims use since 1933.

Ser. No. 387,143. RECREATION EQUIPMENT CO., Denver, Colo. Filed Dec. 24, 1936.

FRENZIED FINANCE
[*The Wall Street Game*]

The word "Game" is disclaimed apart from the mark.
For Table Game Played with a Spinning Device.
Claims use since Oct. 1, 1936.

Ser. No. 387,705. ROBERT KESLER, New Hope, Pa. Filed Jan. 12, 1937.

CLOWN
Children's **Alphabet** Game

The words "Children's Alphabet Game" are disclaimed apart from the mark.
For Cards Bearing Letters and Adapted for Use in Playing a Game Like Lotto.
Claims use since Oct. 1, 1936.

Ser. No. 388,379. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Jan. 30, 1937.

BELOTTE

For Playing Cards.
Claims use since Jan. 22, 1937.

Ser. No. 388,380. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Jan. 30, 1937.

JO-JOTTE

For Playing Cards.
Claims use since Jan. 22, 1937.

Ser. No. 388,464. EDWARD G. SMITH, New York, N. Y. Filed Feb. 2, 1937.

PHONOPHUN

For Card Games and Cards for Playing said Games.
Claims use since Jan. 25, 1937.

Ser. No. 388,499. ISAAC E. GOLDMAN, doing business as Parrot Distributing Company, Des Moines, Iowa. Filed Feb. 3, 1937.



For Film View Toy.
Claims use since Dec. 29, 1936.

Ser. No. 388,642. HOOSIER BAIT COMPANY, Kokomo, Ind. Filed Feb. 8, 1937.

TIP TOP

For Fishing Line Floats.
Claims use since Feb. 1, 1932.

Ser. No. 388,723. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Feb. 10, 1937.

Society
or
HIGH-HAT

For Board Game Played with Movable Pieces.
Claims use since Dec. 3, 1936.

Ser. No. 388,771. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Feb. 11, 1937.

SCOOP

For Artificial Fish Bait.
Claims use since Feb. 1, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 373,347. TEXTILE MACHINE WORKS, Wyomissing, Reading, Pa. Filed Jan. 4, 1936.

The "READING" Conditionaire

The representation of the name plate and the words The "Reading" being disclaimed.
For Yarn Treating Devices in the Nature of Attachments for Textile Machinery.
Claims use since June 5, 1935.

Ser. No. 385,375. MICHIGAN STEEL CASTING COMPANY, Detroit, Mich. Filed Nov. 12, 1936.

CENTRICAST

For Conveyor Rolls and Rollers for All Types of Conveyors, Rolls for Glass Making Machinery, Tube Rolls for Paper Machines, Press Rolls, Carburizing Retorts for Industrial Uses, Carburizing and Annealing Boxes for Industrial Uses, Hollow Shafting for Machinery, Bushings for Mechanical Joints, Valve Seats and Cylinder Liners for Internal Combustion Engines and Like Uses, Packing and Wear Resisting Rings for Machinery.
Claims use since September, 1934.

Ser. No. 385,480. CHARLES A. GREEN, Philadelphia, Pa. Filed Nov. 13, 1936.

MELPAK

For Lubricating Grease Dispensing Apparatus Whereby Lubricants May Be Dispensed Under Pressure.
Claims use since Sept. 23, 1936.

Ser. No. 385,576. FROST GEAR AND FORGE COMPANY, Jackson, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan. Filed Nov. 16, 1936.



For Gears and Gear Forgings.
Claims use since June 19, 1914.

Ser. No. 387,046. MIDLAND SALES COMPANY, Providence, R. I. Filed Dec. 22, 1936.

SEALOL

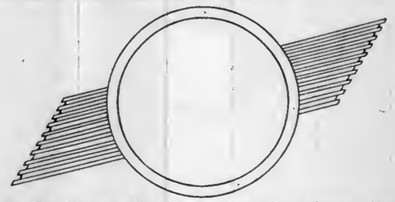
For Bearings Constructed at Least Partially of Metal for Use Between Shaft Means and Relatively Rotatable Housing Bore Means Containing Said Shaft Means.
Claims use since Aug. 14, 1936.

Ser. No. 387,098. J. H. WILLIAMS & Co., Buffalo, N. Y. Filed Dec. 23, 1936.

ZEPHYR

For Clamps—Namely, C-Clamps and Machinists' Clamps; Pipe Tools—Namely, Pipe Wrenches, Pipe Tongs, Chain Wrenches, Chain Tongs, Chain Pipe Wrenches, Chain Pipe Tongs, Pipe Vises, and Chain Pipe Vises.
Claims use since Dec. 8, 1936.

Ser. No. 387,269. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Dec. 30, 1936.



For Machinery for Conveying Containers Such as Bottles and for Filling, Capping, and Agitating Such Containers, and Parts of Such Machines, Beverage Mixing Machines, and Parts Thereof, and Apparatus for Carbonating Liquids and Parts Thereof.
Claims use since Oct. 27, 1936.

Ser. No. 387,291. FRANK SPORS, doing business as Spors Company and Drexel Blade Company, Le Center, Minn. Filed Dec. 30, 1936.



The drawing is lined for red and blue.
For Razor Blades.
Claims use since Apr. 18, 1935.

Ser. No. 388,120. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Filed Jan. 25, 1937.

SPRAYMASTER

For Liquid Sprayers.
Claims use since June, 1936.

Ser. No. 388,230. THE ENTERPRISE MANUFACTURING COMPANY OF PENNSYLVANIA, Philadelphia, Pa. Filed Jan. 27, 1937.

"HEALTH FOUNTAIN"

For Vegetable and Fruit Juice Extractors.
Claims use since Dec. 1, 1936.

Ser. No. 388,259. CLUB RAZOR & BLADE MANUFACTURING CORPORATION, Newark, N. J. Filed Jan. 28, 1937.

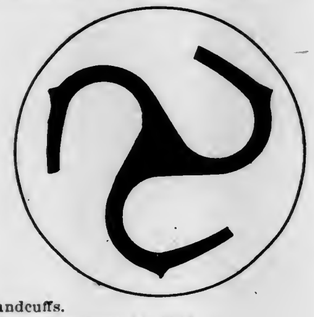
MONA

For Razor Blades.
Claims use since Jan. 6, 1937.

CLASS 25

Locks and Safes

Ser. No. 388,463. PEERLESS HANDCUFF COMPANY, Springfield, Mass. Filed Feb. 2, 1937.



For Handcuffs.
Claims use since June 14, 1916.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 378,785. HAGAN CORPORATION, Pittsburgh, Pa. Filed May 23, 1936.

THERM-O-VISOR

For Temperature Measuring and Controlling Devices of the Type Employing Grid Glow Tubes Controlled by Photoelectric Cells.
Claims use since Aug. 16, 1935.

Ser. No. 388,091. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Jan. 23, 1937.

EKTAR

For Photographic Lenses.
Claims use since May 14, 1936.

Ser. No. 388,092. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Jan. 23, 1937.

MICRO-FILE

For Photographic Cameras and Films.
Claims use since Oct. 13, 1936.

CLASS 27

Horological Instruments

Ser. No. 388,738. THE WATERBURY CLOCK COMPANY, Waterbury, Conn. Filed Feb. 10, 1937.

ESCORT

For Watches.
Claims use since Mar. 3, 1936.

Ser. No. 388,739. THE WATERBURY CLOCK COMPANY, Waterbury, Conn. Filed Feb. 10, 1937.

Swagger

For Watches.
Claims use since May 28, 1935.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 378,223. NATIONAL SILVER COMPANY, doing business as Cheltenham and Company, New York, N. Y. Filed May 8, 1936.

CHELTENHAM AND COMPANY

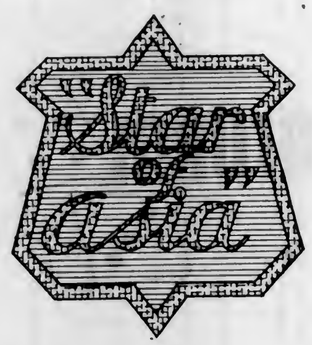
The words "Cheltenham and Company" are disclaimed apart from the mark.
For Sterling Silver and Silver Plated Flatware and Hollow Ware.
Claims use since Jan. 15, 1936.

Ser. No. 386,428. INDESTRUCTIBLE PEARL BEAD MAKERS INC., New York, N. Y. Filed Dec. 7, 1936.



The portrait is fanciful.
For Jewelry for Personal Wear or Adornment not Including Watches.
Claims use since Nov. 1, 1934.

Ser. No. 386,973. ROTHMAN & BADEN, INC., New York, N. Y. Filed Dec. 12, 1936.



The drawing is lined for blue and gold.
For Jewelry Containing Precious and Semi-Precious Stones for Personal Wear or Adornment, not Including Watches.
Claims use since Sept. 1, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 378,595. THOMASVILLE CHAIR COMPANY, Thomasville, N. C. Filed May 18, 1936.

THE NEW OF TODAY
AMERI-CRAFT
THE GOOD OF THE PAST

The words "New" and "Good" are disclaimed except as shown.
For Furniture—Namely, Dining Room, Such as Buffets, China Closets, Tables, Chairs, Tea Wagons; Bed Room, Such as Bureaus, Chiffoniers, Chests of Drawers, Dressing Tables, Chairs, Beds; and Living Room Furniture, Such as Sofas, Tables, Desks, Chairs, Footstools, and Magazine Racks.
Claims use since Jan. 6, 1936.

Ser. No. 387,304. DEWITT-SEITZ CO., Duluth, Minn. Filed Dec. 30, 1936.



The picture is fanciful. The representation of the mattress, the measuring rules and notations, and all wording except "Sanomade" and "Taperease" are disclaimed apart from the mark shown.
For Mattresses.
Claims use since Nov. 1, 1936.

Ser. No. 388,017. MIRAFLEX, INC., New Haven, Conn. Filed Jan. 21, 1937.



For Pose Reflecting Mirror Systems.
Claims use since Dec. 24, 1936.

Ser. No. 388,168. WHITEHEAD METAL PRODUCTS COMPANY OF NEW YORK, INC., New York, N. Y. Filed Jan. 25, 1937.



For Kitchen Cabinets.
Claims use since May 1, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 351,612. COMFORTAIRE CORPORATION, Minneapolis, Minn. Filed May 21, 1934.

COMFORTAIRE

For Evaporative Humidification and Cooling Units.
Claims use since Feb. 24, 1934.

Ser. No. 375,231. THE GENERAL ILLUMINATION ENGINEERING COMPANY, Cincinnati, Ohio. Filed Feb. 25, 1936.



The representation of the goods is disclaimed apart from the mark.
For Light Directors for Interior Electric Lighting Fixtures.
Claims use since Dec. 17, 1935.

Ser. No. 384,465. HOLYOKE HEATER COMPANY, Holyoke, Mass. Filed Oct. 17, 1936.

"NEW EMPIRE"

For Luminous Gas Flame Burners and Parts Thereof.
Claims use since Jan. 21, 1936.

Ser. No. 387,637. LEWIS S. WAGLE, doing business as Econ-O-Heat Burner & Boiler Co., Metuchen, N. J. Filed Jan. 9, 1937.

ECON-O-HEAT

For Oil Burner.
Claims use since June 10, 1933.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 359,823. VOGUE RUBBER COMPANY, Chicago, Ill. Filed Dec. 31, 1934.

MIRACLETREAD

The word "Tread" is disclaimed apart from the mark.
For Automobile Tires and Tubes.
Claims use since Dec. 22, 1934.

Ser. No. 387,002. MIDLAND SALES COMPANY, Providence, R. I. Filed Dec. 21, 1936.

SEALOL

For Fluid Seals Constructed at Least Partially of Metal for Use Between Shaft Means and Relatively Rotatable Housing Bore Means Containing Said Shaft Means.
Claims use since Aug. 14, 1936.

Ser. No. 388,142. PIONEER RUBBER MILLS, San Francisco, Calif. Filed Jan. 25, 1937.

PIRUMITE

For Hose, Made of Rubber and Fabric.
Claims use since Dec. 15, 1934.

CLASS 36

Musical Instruments and Supplies

Ser. No. 374,042. H. & A. SELMER, INC., Elkhart, Ind. Filed Oct. 31, 1935.



The words "Balanced-Action" and the representation of a saxophon are disclaimed.
For Saxophones.
Claims use since May 10, 1935.

CLASS 37

Paper and Stationery

Ser. No. 387,766. WORTENDYKE MANUFACTURING COMPANY, Richmond, Va. Filed Jan. 13, 1937.

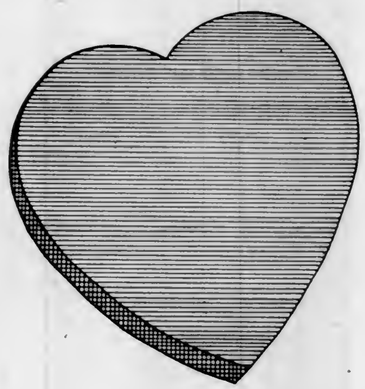


For Gummed Papers, and Wrapping Paper.
Claims use since Dec. 23, 1936.

CLASS 38

Prints and Publications

Ser. No. 368,401. CIVIC ACTIVITIES ASSOCIATION, Rockford, Ill. Filed Aug. 17, 1935.



For Recurrently Issued Publications and Periodicals.
Claims use since July 29, 1935.

Ser. No. 379,325. WESLEY STEEL TREATING COMPANY, Milwaukee, Wis. Filed June 4, 1936.



The words "Milwaukee, Wisconsin" apart from the mark shown are disclaimed.
For Trade Publication.
Claims use since June 1, 1935.

Ser. No. 383,234. SICCARDI PUBLICATIONS, INC., Hackensack, N. J. Filed Sept. 14, 1936.



For Monthly Publication Devoted to Crime Suppression and Prevention.
Claims use since July, 1936.

Ser. No. 384,701. DITTO, INCORPORATED, Chicago, Ill. Filed Oct. 23, 1936.

DITTO

For Book Series Published From Time to Time.
Claims use since Aug. 23, 1933.

Ser. No. 385,136. CURT TEICH & COMPANY, INC., Chicago, Ill. Filed Nov. 4, 1936.

"C. T. PHOTO-VARICOLOR"

Applicant disclaims the words "Photo-Varicolor".
For Multi-Colored Post-Cards and Pictorial Illustrations.
Claims use since August, 1933.

Ser. No. 386,803. HARRIS & EWING, Washington, D. C. Filed Dec. 16, 1936.



The representation of a label itself is disclaimed.
For Photographs.
Claims use since June, 1936.

Ser. No. 386,977. BAR & GRILL PUBLICATIONS INC., New York, N. Y. Filed Dec. 21, 1936.

BAR & GRILL Journal

For Periodical.
Claims use since Aug. 1, 1936.

Ser. No. 387,116. THE CROWELL PUBLISHING COMPANY, New York, N. Y. Filed Dec. 24, 1936.

Keep Up with the World

For Magazine Column.
Claims use since Feb. 14, 1931.

Ser. No. 387,559. PROFESSIONAL PUBLICATIONS, INC., Minneapolis, Minn. Filed Jan. 7, 1937.

MODERN MEDICINE
THE JOURNAL OF MEDICAL PROGRESS

For Periodical.
Claims use since September, 1936.

Ser. No. 387,636. UNITED STATES PRINTING AND LITHOGRAPH COMPANY, Cincinnati, Ohio. Filed Jan. 9, 1937.

Colorgraphic

For Lithographed, Printed, and Mechanically Reproduced Pictures and Representations
Claims use since July 15, 1915.

Ser. No. 387,868. ALICE HUGHES, New York, N. Y. Filed Jan. 16, 1937.

A Woman's New York

For Newspaper Column or Department.
Claims use since November, 1934.

Ser. No. 387,869. ALICE HUGHES, New York, N. Y. Filed Jan. 16, 1937.

YOU CAN BE BEAUTIFUL

For Newspaper Column or Department.
Claims use since Mar. 31, 1936.

Ser. No. 387,895. FINE ARTS ASSOCIATION, Chicago, Ill. Filed Jan. 18, 1937.

Heritage

For Portraits, Paintings, Pictures, Drawings, and Miniatures.
Claims use since Nov. 16, 1936.

Ser. No. 387,928. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Jan. 18, 1937.

The AMERICAN WOMAN

For Periodical at Present Published Monthly.
Claims use since Jan. 6, 1937.

Ser. No. 387,951. THE PHILADELPHIA INQUIRER COMPANY, Philadelphia, Pa. Filed Jan. 19, 1937.

Angela Debbie

For Newspaper Column.
Claims use since Dec. 27, 1936.

CLASS 39

Clothing

Ser. No. 373,861. MALCOLM & ENGEL, New York, N. Y. Filed Jan. 18, 1936.



The word "Fashions", as such, and without relation to its particular association in the mark, is disclaimed.
For Women's, Misses', and Children's Hats and Caps; Scarfs of Silk, Wool, Rayon, Linen, and Cotton; Shoes of Leather, Calfskin, Fabric, Satin, and Linen, or Any Combination Thereof; Underwear of Knitted, Netted, and Textile Fabrics; Bloomers, Chemises, Brassières, Negligees, Petticoats, Slips, Panties, Vests, and Shirts for Underwear; Nightgowns, Pajamas; Wraps; Skirts for Under and Outer Wear; Knickers, Riding Habits; Beach Overalls and Beach Pajamas; Coats; Blouses; Shirtwaists; Gowns; Frocks; Dresses and Suits.
Claims use since Aug. 1, 1935.

Ser. No. 374,422. MERRIMAC HAT CORPORATION, New York, N. Y. Filed Feb. 3, 1936.



The representation of a hat is disclaimed apart from the mark.
For Women's and Children's Hats and Hat Bodies.
Claims use since December, 1935.

Ser. No. 380,468. VULCAN CORPORATION, Portsmouth, Ohio. Filed June 30, 1936.

Ki-Loid

For Shoe Heels.
Claims use since May 1, 1936.

Ser. No. 383,867. JACOB ASH, doing business as Ash's, New York, N. Y. Filed Oct. 2, 1936.



The terms "Tested" and "Exclusive With This Store" are disclaimed apart from the mark.
For Women's Fur Coats.
Claims use since June 1, 1936.

Ser. No. 384,746. HANDCRAFT IMPORT CO., INC., New York, N. Y. Filed Oct. 24, 1936.



The words "Tyr-O-Lian Frock" are disclaimed apart from the mark.
For Children's Dresses and Blouses.
Claims use since July 1, 1936.

Ser. No. 385,607. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 16, 1936.

RELYONSIZED

For Men's and Boys' Garments—Namely, Work Shirts.
Claims use since Oct. 26, 1936.

Ser. No. 385,608. ROSELLE FROCKS MANUFACTURING CO., INC., New York, N. Y. Filed Nov. 16, 1936.

RRR

For Women's and Misses' House Aprons, Uniforms, Smocks, House Frocks, and Reefers.
Claims use since Oct. 14, 1936.

Ser. No. 385,662. COSMOPOLITAN MANUFACTURING CO., INC., Cambridge, Mass. Filed Nov. 18, 1936.

T MEN

For Raincoats, Vests, Jackets, and Windbreakers for Men and Boys.
Claims use since Nov. 5, 1936.

Ser. No. 385,907. JOHN SMEDLEY, LIMITED, Lea Mills, near Matlock, Derbyshire, England. Filed Nov. 23, 1936. Under 10-year proviso.

SMEDLEY'S

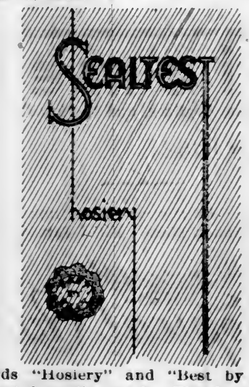
For Women's Garments—Namely, Combinations of Vest and Knickers, Union Suits, Vests, Panties, Knickers, Riding Pants, Step-Ins, Petticoats, Body Belts of Knitted Fabric, Hip Belts of Knitted Fabric, Bodices, Spencers, Nightdresses, Pyjamas; Men's Garments—Namely, Vests, Singlets, Pants, Drawers, Trunks, Shorts, Combination of Vest and Pants, Union Suits, Body Belts of Knitted Fabric, Kneewarmers, Pyjamas, and Riding Papts; Children's Garments—Namely, Wrappers, Vests, Trunks, Stay Bodices, Gym Knickers, Panties, Combination of Vest and Knickers, Union Suits, Nightdresses, Pyjamas.
Claims use since December, 1889.

Ser. No. 386,701. SYNDICATE-ALLIANCE TRADING CO., INC., New York, N. Y. Filed Dec. 12, 1936.

Wally

For Women's and Misses' Sport Coats, Outer Skirts, Suits, Sweaters, Hats, Bathing Suits, Scarfs, and Shoes Made of Leather, Fabric, and Rubber, and Combinations Thereof.
Claims use since Nov. 21, 1936.

Ser. No. 386,899. THE LION CORPORATION, Buffalo, N. Y. Filed Dec. 18, 1936.



The words "Hosiery" and "Best by Test" are disclaimed apart from the mark. The drawing is lined for brown and gold.
For Hosiery.
Claims use since Dec. 5, 1936.

Ser. No. 387,039. INTERNATIONAL SHOE CO., St. Louis, Mo. Filed Dec. 22, 1936.

FLEX-E-FIT

The word "Fit" is disclaimed apart from the mark shown.
For Boots and Shoes of Leather, Fabric, and/or Combinations Thereof.
Claims use since Dec. 10, 1936.

Ser. No. 387,302. PRUDENTIAL KNITTING MILLS, Philadelphia, Pa. Filed Dec. 28, 1936.

KNITTING MASTERS

The word "Knitting" is disclaimed apart from the mark.
For Sweater Sport Coats, Sweaters, Bathing Suits, Knit Scarfs.
Claims use since Dec. 11, 1936.

Ser. No. 387,321. J. FRIEDMAN & CO., New York, N. Y. Filed Dec. 31, 1936.

Rocklyn FLEECE

Applicant is the owner of registration number 237,980, issued January 24, 1928. The word "Fleece" is disclaimed apart from the mark as shown.
For Men's and Young Men's Clothing—Namely, Coats, Vests, Pants, Suits, Topcoats, and Overcoats.
Claims use since May 11, 1933.

Ser. No. 387,358. VICTOR MERCANTILE CO., Los Angeles, Calif. Filed Dec. 31, 1936.

Vicmer

For Men's Dress, Negligee, and Work Shirts, and Boys' Shirts.
Claims use since 1931.

Ser. No. 387,580. COMMONWEALTH SHOE AND LEATHER COMPANY, Whitman, Mass. Filed Jan. 8, 1937.

BOSTONIANS Tropical Calf

The word "Calf" is disclaimed apart from the mark shown.
For Men's Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since Oct. 15, 1936.

Ser. No. 387,778. COOPERS, INCORPORATED, Kenosha, Wis. Filed Jan. 14, 1937.

JB
JockeyBELLIN

For Swim Trunks.
Claims use since Dec. 12, 1936.

Ser. No. 387,792. LUDGATES, LTD., New York, N. Y. Filed Jan. 14, 1937.

Ludgates

For Clothing and Accessories—Namely, Men's and Young Men's Suits, Overcoats, Tuxedos, Dress Suits, Morning Coats, Sport Suits, Topcoats.
Claims use since Sept. 3, 1936.

Ser. No. 387,823. SAMUEL FOX, New York, N. Y. Filed Jan. 15, 1937.

FOX-WAY

For Ladies' Sport Shirts, Play Suits, Blouses, and Pajamas.
Claims use since 1932.

Ser. No. 388,033. BERNARD STOUMEN, doing business as Fairplay Knitting Mills, Philadelphia, Pa. Filed Jan. 21, 1937.

Sea Bird



For Bathing Suits, Sweaters, and Polo Shirts.
Claims use since Dec. 30, 1936.

Ser. No. 388,075. SHOECRAFT, INC., New York, N. Y. Filed Jan. 22, 1937.

Sweet Adeline

For Women's Shoes of Leather, Fabric, or Rubber, or Combinations Thereof.
Claims use since Jan. 8, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 378,405. WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed May 13, 1936.

MERSILLA

For Curtains and Woven, Knitted, Netted, and Textile, and Pile Fabrics in the Piece, from Which Curtains Are Made, Such as Velvets, Velveteens, Mohair, Plush, Astrakhan, Camelshair, Velour, Chinchilla, Mohair Freize, and Dopak.
Claims use since Mar. 2, 1936.

Ser. No. 387,841. THE SCHWARZENBACH HUBER CO., New York, N. Y. Filed Jan. 15, 1937.

CEL-RAY

For Piece Goods Consisting in Whole or in Part of Pure or Weighted Silk, Rayon, Synthetic Yarn, or Wool.
Claims use since Nov. 15, 1936.

Ser. No. 388,255. JOSEPH BANCROFT & SONS CO., Rockford, Wilmington, Del. Filed Jan. 28, 1937.

STAZE

For Cotton Piece Goods.
Claims use since Jan. 21, 1937.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 387,499. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y. Filed Jan. 6, 1937.



CORONATION

For Hearing Aids for the Deaf and Audible Signal Making Attachments for Hearing Aid Devices.
Claims use since Nov. 15, 1936.

Ser. No. 388,617. THE MARVEL COMPANY, New Haven, Conn. Filed Feb. 6, 1937.

PRECAUTIA

For Fountain and Douche Syringes.
Claims use since Jan. 25, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 387,980. BIRELEY'S, INC., Hollywood, Calif. Filed Jan. 21, 1937.

VAPRO-VAC

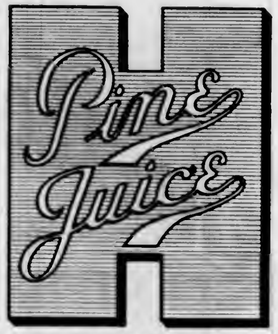
For Nonalcoholic, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Concentrates Used in Making the Same.
Claims use since Jan. 16, 1936.

Ser. No. 387,986. CLICQUOT CLUB COMPANY, Millis, Mass. Filed Jan. 21, 1937.

YERMAT

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Oct. 30, 1928.

Ser. No. 388,077. SOLOMON A. WALD, New York, N. Y. Filed Jan. 22, 1937.



For Nonalcoholic Beverage Used as Soft Drink.
Claims use since Jan. 5, 1937.

Ser. No. 388,150. SUSSMAN, WORMSER & CO., San Francisco, Calif. Filed Jan. 25, 1937.

LOGANADE

For Fruit Juices (for Beverage Purposes).
Claims use since Jan. 13, 1937.

CLASS 46

Foods and Ingredients of Foods

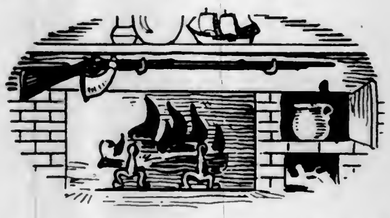
Ser. No. 367,108. CONRAD A. SEARS, doing business as Nutty Brown Mills, Houston, Tex. Filed July 9, 1935.



NUTTY BROWN

The words "Health" and "Nutty Brown" and the representation of the loaf of bread are disclaimed apart from the mark.
For Mixed Cottonseed and Wheat Flour, Bread, and Pancake or Muffin Flour Made of Cottonseed Flour, Rice Flour, Wheat Flour, and Other Ingredients.
Claims use since Jan. 1, 1933.

Ser. No. 367,669. THE MANN FOOD CORPORATION, Newton Center, Mass. Filed July 25, 1935.



For Ready to Eat Baked Beans Prepared and Packaged in Glass Jars for Sale Purposes.
Claims use since May 1, 1935.

Ser. No. 368,872. JOHN H. WILKINS COMPANY, Washington, D. C. Filed Aug. 30, 1935.

ANDES

For Coffee.
Claims use since Dec. 19, 1929.

Ser. No. 372,472. FRUIT PRODUCTS CORPORATION, Belleville, N. J. Filed Dec. 10, 1935.

OLD FASHION BRAND



The words "Old Fashion Brand" are disclaimed apart from the mark.
For Cherries in Glass Containers.
Claims use since Oct. 31, 1935.

Ser. No. 372,473. FRUIT PRODUCTS CORPORATION, Belleville, N. J. Filed Dec. 10, 1935.

OLD FASHIONED BRAND



The words "Old Fashioned Brand" are disclaimed apart from the mark.
For Cherries in Glass Containers.
Claims use since Nov. 30, 1935.

Ser. No. 380,008. HARRY S. KURAMOTO, doing business as Kent Pea Growers Company, Auburn, Wash. Filed June 20, 1936.



The portrait is fanciful. The drawing is lined for blue.
For Fresh Vegetables.
Claims use since May 29, 1935.

Ser. No. 382,728. STALEY MILLING COMPANY, North Kansas City and Kansas City, Mo. Filed Aug. 29, 1936.



All wording except "Staley's" and "Record" is disclaimed apart from the mark.
For Milled Grain Products and Preparations Thereof, Particularly Poultry Feed.
Claims use since Sept. 11, 1934.

Ser. No. 382,841. STALEY MILLING COMPANY, North Kansas City and Kansas City, Mo. Filed Sept. 2, 1936.



The words "Highest Standard of Excellence" and "Feeds" are disclaimed apart from the mark shown.
For Milled Grain Products and Preparations Thereof, Particularly Corn Meal for Poultry and Live Stock, Cracked Corn for Poultry and Live Stock, Mixed Poultry Feeds, and Mixed Cattle and Stock Feeds.
Claims use since Aug. 28, 1936.

Ser. No. 383,786. SANTA BARBARA CITRUS JUICE CO., INC., Orange, Calif. Filed Sept. 29, 1936.

Lemette

For Imitation Lemon Juice for Food Purposes.
Claims use since Aug. 6, 1936.

Ser. No. 383,825. H. A. SHAVER, INC., Lakeland, Fla. Filed Sept. 30, 1936.

Touch O'Color

For Canned Pimientos.
Claims use since May 27, 1936.

Ser. No. 384,006. MINUTE FOODS LTD., Los Angeles, Calif. Filed Oct. 5, 1936.

MAGIC-SPRED

The word "Spred" is disclaimed apart from the mark.
For Pectin Preparation for Making Jelly.
Claims use since Oct. 5, 1935.

Ser. No. 385,150. DAVID H. PEERY, doing business as Pam Pam, Hollywood, Calif. Filed Nov. 4, 1936.

PAM - PAM

For Fruit Juices for Food Purposes.
Claims use since Oct. 8, 1936.

Ser. No. 386,544. LO PRESTI FOOD PRODUCTS CO., Chicago, Ill. Filed Dec. 9, 1936.

LA TROLESSE

For Edible Oils.
Claims use since July 1, 1920.

Ser. No. 386,559. SLIK CORPORATION OF AMERICA, New York, N. Y. Filed Dec. 9, 1936.

Slik

For Chocolate Syrup Used for Flavoring Milk.
Claims use since Nov. 1, 1936.

Ser. No. 387,335. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Dec. 31, 1936.

BUTTER DEBS

The word "Butter" is disclaimed apart from the mark.
For Crackers, Biscuits, and Cakes.
Claims use since Nov. 19, 1936.

Ser. No. 387,336. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Dec. 31, 1936.

BUTTER FLIPS

The word "Butter" is disclaimed apart from the mark.
For Crackers, Biscuits, and Cakes.
Claims use since Nov. 19, 1936.

Ser. No. 387,440. THE GEO. F. HELLICK COFFEE COMPANY, Easton, Pa. Filed Jan. 4, 1937.

HELLICK'S MOUNTAIN LAUREL



For Tea.
Claims use since Dec. 15, 1936.

Ser. No. 387,844. VIMPEP FOODS, INC., Cambridge, Md. Filed Jan. 15, 1937.

My Dog

No claim is made to the word "Dog" apart from the mark shown.
For Canned Dog Food.
Claims use since Dec. 31, 1936.

Ser. No. 387,876. OLD DUTCH MILLS, INC., New York, N. Y. Filed Jan. 16, 1937.

NEW YORK CLUB

For Coffee, Tea, and Cocoa.
Claims use since November, 1935.

Ser. No. 387,994. EPPENS, SMITH COMPANY, INC., New York, N. Y. Filed Jan. 21, 1937.

PRIDE of KILDARE

For Tea Balls and Tea.
Claims use since Dec. 23, 1936.

Ser. No. 388,244. RUSSELL S. SHERER, Akron, Ohio. Filed Jan. 27, 1937.

BROWN DERBY

For Frozen Confections.
Claims use since Mar. 1, 1936.

Ser. No. 388,245. RUSSELL S. SHERER, Akron, Ohio. Filed Jan. 27, 1937.

TOP HAT

For Frozen Confections.
Claims use since Mar. 1, 1936.

Ser. No. 388,280. MEYER J. SALOMON, doing business as Canhall and Canhall Packing Company, Chicago, Ill. Filed Jan. 28, 1937.

CANHALL

For Prepared Food Products—Namely, Pickled Fish, Pickled Shrimps, Pickled Pigs Feet, Shrimp Cocktails, Oyster Cocktails, Pickled Tongues, and Pigs Feet Cocktails.
Claims use since Dec. 1, 1935.

Ser. No. 388,298. ALBERS BROS. MILLING CO., Portland, Oreg., San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Calif., and Seattle, Tacoma, and Spokane, Wash. Filed Jan. 29, 1937.

LAX-IVE

For Poultry Feeds.
Claims use since Jan. 21, 1937.

CLASS 47

Wines

Ser. No. 376,996. MAX HUPPERT, Putnam, Conn. Filed Apr. 9, 1936.



The expression "Golden Martinique" is disclaimed apart from the mark shown.
For Light Wines.
Claims use since Mar. 20, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 387,720. WHITEHURST CHEMICAL RESEARCH CORPORATION, New York, N. Y. Filed Jan. 12, 1937.

SUMFOAM

For Head Production and Retention Compound for Use in Ale and Beer.
Claims use since Nov. 23, 1935.

Ser. No. 387,721. WHITEHURST CHEMICAL RESEARCH CORPORATION, New York, N. Y. Filed Jan. 12, 1937.

B-T-7

For Beverage-Clearing Compound for Ale and Beer.
Claims use since May 14, 1936.

Ser. No. 388,231. FLOCK BREWING CO., Williamsport, Pa. Filed Jan. 27, 1937.



The word "Ale" is disclaimed except as shown. The portrait is fictitious.
For Beer and Ale.
Claims use since Jan. 21, 1937.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 373,793. A. KLOTZMAN, Baltimore, Md., assignor to Maryland Distillery, Incorporated, Relay, Md., a corporation of Maryland. Filed Jan. 17, 1936.

BLENDAGE

For Whiskey.
Claims use since Dec. 11, 1935.

Ser. No. 373,794. A. KLOTZMAN, Baltimore, Md., assignor to Maryland Distillery, Incorporated, Relay, Md., a corporation of Maryland. Filed Jan. 17, 1936.

BONDAGE

For Whiskey.
Claims use since Dec. 19, 1935.

Ser. No. 373,795. A. KLOTZMAN, Baltimore, Md., assignor to Maryland Distillery, Incorporated, Relay, Md., a corporation of Maryland. Filed Jan. 17, 1936.

STRAIGHTAGE

For Whiskey.
Claims use since Dec. 11, 1935.

Ser. No. 386,268. T. J. PENDEROAST WHOLESALE LIQUOR CO. INC., Kansas City, Mo. Filed Dec. 3, 1936.

P AND M

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since July, 1935.

Ser. No. 388,813. WOODFORD COUNTY DISTILLERY CO., Midway, Ky. Filed Feb. 11, 1937.

BELLE OF YORK

For Whiskey.
Claims use since Jan. 7, 1937.

Ser. No. 388,814. WOODFORD COUNTY DISTILLERY CO., Midway, Ky. Filed Feb. 11, 1937.

ELKCHESTER

For Whiskey.
Claims use since Jan. 7, 1937.

Ser. No. 388,815. WOODFORD COUNTY DISTILLERY CO., Midway, Ky. Filed Feb. 11, 1937.

KETTLE CREEK

For Whiskey.
Claims use since Jan. 19, 1937.

Ser. No. 388,817. WOODFORD COUNTY DISTILLERY CO., Midway, Ky. Filed Feb. 11, 1937.

OLD KENTUCKY FAME

For Whiskey.
Claims use since Jan. 19, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 381,356. ENAMELED STEEL SIGN COMPANY, Chicago, Ill. Filed July 23, 1936.

SPECTRU-LITE

The word "Lite" is disclaimed except as a part of the mark as shown.
For Mechanical Steel Signs.
Claims use since June 16, 1936.

Ser. No. 387,833. MEAD JOHNSON & COMPANY, Evansville, Ind. Filed Jan. 15, 1937.

VACAP-DROPPER

The word "Dropper" is disclaimed apart from the mark shown.
For Combination Screw Caps and Droppers for Bottles.
Claims use since Dec. 31, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 23, 1937

344,351. MALT BEVERAGE WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. LÖWENBRAUEREI BÖHMISCHES BRAUHAUS A. G., Berlin, Germany.
Filed January 8, 1934. Serial No. 345,781. PUBLISHED APRIL 10, 1934. Class 48.

344,352. WINES. SAMUEL COHN, doing business as Arist Soares & Ca. Successor, Oporto, Portugal.
Filed February 3, 1934. Serial No. 346,900. PUBLISHED JANUARY 12, 1937. Class 47.

344,353. WINES. FRUIT INDUSTRIES, LTD., Los Angeles, Calif., and New York, N. Y.
Filed August 24, 1934. Serial No. 355,399. PUBLISHED OCTOBER 2, 1934. Class 47.

344,354. PHARMACEUTICAL PREPARATIONS. JULIUS BLACKMAN, INC., doing business as Supreme Pharmaceutical Company, Chicago, Ill., assignor, by mesne assignments, to Julius Blackman Corporation, New York, N. Y., a corporation of New York.
Filed September 10, 1934. Serial No. 355,877. PUBLISHED DECEMBER 4, 1934. Class 6.

344,355. WINES. LYONS-MAGNUS, INC., doing business as The E. G. Lyons & Raas Co., San Francisco, Calif.
Filed February 11, 1935. Serial No. 361,273. PUBLISHED JULY 30, 1935. Class 47.

344,356. FOOD PRODUCTS MADE FROM FRUITS—NAMELY, GLACE FRUIT AND FRUIT FLAVORING EXTRACTS FOR FOOD PRODUCTS. LYONS-MAGNUS, INC., San Francisco, Calif.
Filed February 11, 1935. Serial No. 361,274. PUBLISHED AUGUST 13, 1935. Class 46.

344,357. BREAD. DRY FRUIT PRODUCTS CORPORATION, Oakland, Calif.
Filed April 24, 1935. Serial No. 364,126. PUBLISHED JANUARY 12, 1937. Class 46.

344,358. TOOLS—NAMELY, SCREW DRIVERS. THE WASHBURN COMPANY, Worcester, Mass.
Filed April 26, 1935. Serial No. 364,263. PUBLISHED JANUARY 12, 1937. Class 23.

344,359. LIQUID CLEANER CONTAINING ABRASIVE MATERIAL SUSPENDED THEREIN AND USED FOR CLEANING LACQUERED AND ENAMELED SURFACES AND THE LIKE. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed May 25, 1935. Serial No. 365,399. PUBLISHED JANUARY 12, 1937. Class 4.

344,360. UROLOGICAL INSTRUMENTS, CAUTERY, AND LIGHT TRANSFORMERS, PHYSICAL THERAPY APPARATUS, ELECTROMEDICAL APPARATUS, DIAGNOSTIC INSTRUMENTS, MEDICAL AND DENTAL X-RAY APPARATUS AND SURGICAL INSTRUMENTS. A. C. WAPPLER CORP., New York, N. Y.
Filed August 12, 1935. Serial No. 368,246. PUBLISHED JANUARY 12, 1937. Class 44.

344,361. BILLIARD CLOTH. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed September 16, 1935. Serial No. 369,328. PUBLISHED JANUARY 12, 1937. Class 42.

344,362. BILLIARD CLOTH. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed September 16, 1935. Serial No. 369,331. PUBLISHED JANUARY 12, 1937. Class 42.

344,363. BILLIARD CLOTH. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed September 16, 1935. Serial No. 369,332. PUBLISHED JANUARY 12, 1937. Class 42.

344,364. BILLIARD CLOTH. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed September 16, 1935. Serial No. 369,333. PUBLISHED JANUARY 12, 1937. Class 42.

344,365. BILLIARD CLOTH. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed September 16, 1935. Serial No. 369,335. PUBLISHED JANUARY 12, 1937. Class 42.

344,366. STAPLING MACHINES OF THE DESK AND TACKER TYPES AND STAPLES THEREFOR AND STAPLES FOR OTHER TYPES OF STAPLING MACHINES. ACE FASTENER CORPORATION, Chicago, Ill.
Filed September 19, 1935. Serial No. 369,469. PUBLISHED JANUARY 5, 1937. Class 37.

344,367. MACHINERY PACKING COMPRISING FIBROUS COMPOSITION AND METAL. YORK ICE MACHINERY CORPORATION, York, Pa.
Filed September 24, 1935. Serial No. 369,671. PUBLISHED JANUARY 12, 1937. Class 35.

344,368. GRAVY LADLES, CAKE LADLES, TEA STRAINERS, NAPKIN RINGS, EGG CUPS, WINE CUPS, SUGAR SIFTERS, PUNCH LADLES, PLATES, BOWLS, DISHES, GOBLETS, VASES, NAME PLATES FOR COATS, AND NUT TRAYS MANUFACTURED FROM NON-PRECIOUS METAL. THE AMERICAN DIRIGOLD CORPORATION, Kokomo, Ind.
Filed December 3, 1935. Serial No. 372,195. PUBLISHED JANUARY 12, 1937. Class 13.

344,369. CLEANING COMPOUND FOR ALL TYPES OF HAND WASHING. ECONOMICS LABORATORY, INC., St. Paul, Minn.
Filed December 16, 1935. Serial No. 372,662. PUBLISHED JANUARY 12, 1937. Class 4.

344,370. HAIR BRUSHES. METALFIELD INCORPORATED, Long Island City, N. Y.
Filed July 22, 1936. Serial No. 381,319. PUBLISHED JANUARY 12, 1937. Class 29.

344,371. CHICK MASH, CHICK FEED, GROWING MASH, LAYING MASH, EGG MASH, HEN SCRATCH, POULTRY FATTENER, TURKEY STARTING MASH, PIG MEAL, 40% PROTEIN SUPPLEMENTAL HOG FEED, SWEET DAIRY FEED, DAIRY FEED, CALF MEAL, MOLASSES CATTLE FATTENER, AND ALL MASH RATION. BOSSEMEYER BROS., Superior, Nebr.
Filed July 25, 1936. Serial No. 381,392. PUBLISHED JANUARY 12, 1937. Class 46.

344,372. MOTOR ROAD VEHICLES AND CHASSIS THEREFOR. ROLLS-ROYCE LIMITED, Derby, England.
Filed August 4, 1936. Serial No. 381,818. PUBLISHED JANUARY 12, 1937. Class 19.

344,373. TEXTILE FABRICS IN THE PIECE, OF SILK, RAYON, AND/OR COMBINATIONS THEREOF, NOT INCLUDING RICE CLOTH OR ANY CLOTH MADE FROM A DERIVATIVE OF RICE OR ANY COMBINATION THEREOF. ALEXANDER BAICK, Los Angeles, Calif.
Filed August 3, 1936. Serial No. 381,830. PUBLISHED JANUARY 12, 1937. Class 42.

344,374. ELECTRICAL AND RADIO APPARATUS GENERALLY, BUT PARTICULARLY INCLUDING LINE CORDS AND PLUGS; MISCELLANEOUS ELECTRICAL PARTS, ASSEMBLED AND UNASSEMBLED, SOLD IN RETAIL AND WHOLESALE TRADE, AND PACKAGED IN INDIVIDUAL OR LOT PACKAGES; ANNUNCIATOR WIRE; ETC. CONSOLIDATED WIRE AND ASSOCIATED CORPORATIONS, Chicago, Ill.
Filed August 7, 1936. Serial No. 381,905. PUBLISHED SEPTEMBER 29, 1936. Class 21.

344,375. LEATHER SKINS AND LEATHER HIDES. A. D. BOWNE & CO., INC., New York, N. Y.
Filed August 10, 1936. Serial No. 381,963. PUBLISHED JANUARY 5, 1937. Class 1.

344,376. SIGNS, MECHANICAL OR STRUCTURAL, NON-ELECTRIC TRAFFIC AND STREET SIGNS, DIRECTIONAL SIGNS, NEON-SIGNS, THEFT PLATE SIGNS, BADGES, MEDALS, PINS, AND BUTTONS MADE OF BASE METAL. AMERICAN AUTOMOBILE ASSOCIATION, INCORPORATED, Washington, D. C.
Filed August 10, 1936. Serial No. 382,024. PUBLISHED JANUARY 5, 1937. Class 50.

344,377. SHIMS AND SHIM STOCK. LAMINATED SHIM CO., INC., Long Island City, N. Y.
Filed August 21, 1936. Serial No. 382,433. PUBLISHED JANUARY 12, 1937. Class 35.

344,378. LEATHER SKINS AND LEATHER HIDES. BABY CALF DISTRIBUTORS, INC., New York, N. Y.
Filed September 1, 1936. Serial No. 382,785. PUBLISHED JANUARY 12, 1937. Class 1.

344,379. INSECTICIDES OR VERMIN KILLER. J. POUTAYS, Bordeaux, France.
Filed September 1, 1936. Serial No. 382,806. PUBLISHED DECEMBER 8, 1936. Class 6.

344,380. SCREWS OF THE FOLLOWING NATURE: WOOD, LAG, CAP, DRIVE, SIDE KNOB, MACHINE, LOCK CAP, WASHER HEAD, SOCKET HEAD, ETC. CONTINENTAL SCREW COMPANY, New Bedford, Mass.
Filed September 2, 1936. Serial No. 382,823. PUBLISHED JANUARY 12, 1937. Class 13.

344,381. OVERALLS, RAINCOATS, AND BELTS FOR OUTER WEAR. AMERICAN AUTOMOBILE ASSOCIATION, INCORPORATED, Washington, D. C.
Filed September 9, 1936. Serial No. 383,047. PUBLISHED DECEMBER 29, 1936. Class 39.

344,382. LOCOMOTIVE VALVE GEARS, REVERSING GEARS, DRIVING TURBINES, LOCOMOTIVE VALVES, VALVE RINGS, AND HOUSING AND STEAM ENGINE VALVES, GEARS, REVERSING GEARS, HOUSINGS, AND SUPPORTS. THE PYLE-NATIONAL COMPANY, Chicago, Ill.
Filed September 11, 1936. Serial No. 383,139. PUBLISHED JANUARY 12, 1937. Class 23.

344,383. PRINTING PAPERS AND BOND PAPERS. BUTLER PAPER CORPORATIONS, Chicago, Ill.
Filed September 14, 1936. Serial No. 383,203. PUBLISHED JANUARY 12, 1937. Class 37.

344,384. CHEESE, CONDENSED MILK, MILK POWDER, AND BUTTER. COÖPERATIEVE PRODUCENTEN HANDELSVEREENIGING, Gouda, Netherlands.
Filed September 16, 1936. Serial No. 383,295. PUBLISHED JANUARY 12, 1937. Class 46.

344,385. TIMING MECHANISMS FOR ELECTRIC CIRCUITS. EAGLE SIGNAL CORPORATION, Moline, Ill.
Filed September 18, 1936. Serial No. 383,390. PUBLISHED JANUARY 12, 1937. Class 21.

344,386. PAPER PRODUCTS—NAMELY, TOILET PAPERS, PAPER NAPKINS, PAPER TOWELS, PAPER ENVELOPES, AND PAPER TAPE. UNITED PAPER COMPANY, INC., Richmond, Va.
Filed September 18, 1936. Serial No. 383,412. PUBLISHED JANUARY 5, 1937. Class 37.

344,387. CIGARETTES. AMERICAN CIGARETTE & CIGAR COMPANY, New York, N. Y.
Filed December 10, 1936. Serial No. 386,575. PUBLISHED JANUARY 12, 1937. Class 17.

344,388. FLOUR, PARTICULARLY WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed September 23, 1936. Serial No. 383,526. PUBLISHED JANUARY 12, 1937. Class 46.

344,389. PERIODICAL IN THE FORM OF A MAGAZINE PUBLISHED MONTHLY. OTT COELLN, doing business as Ott Coelln Associates, Chicago, Ill.
Filed September 26, 1936. Serial No. 383,676. PUBLISHED JANUARY 5, 1937. Class 38.

344,390. MANUAL EXERCISING APPARATUS FOR PIANO INSTRUCTION. GEORGE WOODHOUSE, London, England.
Filed September 28, 1936. Serial No. 383,759. PUBLISHED JANUARY 12, 1937. Class 36.

344,391. PERMANENT HAIR WAVING APPARATUS WITH CABINET THEREFOR. THE WELLA CORPORATION, New York, N. Y.
Filed October 1, 1936. Serial No. 383,858. PUBLISHED JANUARY 12, 1937. Class 44.

344,392. DRIED FRUITS, RAISINS, AND DRIED BLACK GRAPES. GEORGE SANTIKIAN, doing business as Pacific Raisin Company, Fowler, Calif.
Filed October 2, 1936. Serial No. 383,898. PUBLISHED JANUARY 12, 1937. Class 46.

344,393. BREWERS' CORN SYRUP. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed October 6, 1936. Serial No. 384,029. PUBLISHED JANUARY 12, 1937. Class 46.

344,394. WATCHES, WATCH CASES, AND MECHANISM. RAYVILLE S.-A., Villeret, Switzerland.
Filed October 6, 1936. Serial No. 384,050. PUBLISHED JANUARY 12, 1937. Class 27.

344,395. CANNED FRUITS AND VEGETABLES. SCHEIFER & BARST, New York, N. Y.
Filed October 6, 1936. Serial No. 384,053. PUBLISHED JANUARY 12, 1937. Class 46.

344,396. TEXTILE FABRICS COMPOSED OF A MIXTURE OF SILK AND ACETATE AND DESIGNATED AS PIECE GOODS. M. BERZER CO. INC., New York, N. Y.
Filed October 12, 1936. Serial No. 384,351. PUBLISHED JANUARY 12, 1937. Class 42.

344,397. WRITING PENS OF ALL KINDS AND FOUNTAIN PENS. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J.
Filed October 16, 1936. Serial No. 384,413. PUBLISHED JANUARY 12, 1937. Class 37.

344,398. SILVER-PLATED FLATWARE AND HOLLOWWARE. CAVENDISH TRADING CORPORATION, New York, N. Y.
Filed October 17, 1936. Serial No. 384,449. PUBLISHED JANUARY 12, 1937. Class 28.

344,399. WINES. MINNA F. LIPPMAN, New York, N. Y.
Filed October 17, 1936. Serial No. 384,468. PUBLISHED JANUARY 12, 1937. Class 47.

344,400. CIGARETTES AND SMOKING TOBACCO. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed October 19, 1936. Serial No. 384,495. PUBLISHED JANUARY 12, 1937. Class 17.

344,401. CLEANSER FOR ARTIFICIAL DENTURES. R. G. BINYON & CO., San Francisco, Calif.
Filed October 19, 1936. Serial No. 384,498. PUBLISHED JANUARY 12, 1937. Class 4.

344,402. PLAYING CARDS. WALGREEN CO., Chicago, Ill.
Filed October 19, 1936. Serial No. 384,573. PUBLISHED JANUARY 12, 1937. Class 22.

344,403. PLAYING CARDS. WALGREEN CO., Chicago, Ill.
Filed October 19, 1936. Serial No. 384,575. PUBLISHED JANUARY 12, 1937. Class 22.

344,404. OIL LEVEL GAUGES FOR INDICATING THE LEVEL OF OIL IN SUCH CONTAINERS AS TANKS. HORACE RODERICK POTTER, doing business as Liquid Level Indicator Co., Summit, N. J.
Filed October 21, 1936. Serial No. 384,628. PUBLISHED JANUARY 12, 1937. Class 26.

344,405. COATED FABRICS, PARTICULARLY OILED SILK. GENERAL FELT PRODUCTS INC., Brooklyn, N. Y.
Filed October 23, 1936. Serial No. 384,704. PUBLISHED JANUARY 12, 1937. Class 50.

344,406. INNER SPRING UNITS FOR UPHOLSTERED CUSHIONS AND MATTRESSES. KAY MANUFACTURING CORPORATION, Brooklyn, N. Y.
Filed October 23, 1936. Serial No. 384,708. PUBLISHED JANUARY 12, 1937. Class 32.

344,407. LIQUID RUBBER CLEANSER AND RENEWER. A. M. LADD, doing business as Ever-Nu Laboratories, Los Angeles, Calif.
Filed October 24, 1936. Serial No. 384,750. PUBLISHED JANUARY 12, 1937. Class 4.

344,408. FLASH LIGHTS. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn.
Filed June 23, 1936. Serial No. 380,127. PUBLISHED AUGUST 18, 1936. Class 21.

344,409. BEER. ST. MARYS BEVERAGE COMPANY, St. Marys, Pa.
Filed October 26, 1936. Serial No. 384,818. PUBLISHED JANUARY 12, 1937. Class 48.

344,410. CANDY. NORRIS INCORPORATED, Atlanta, Ga.
Filed November 9, 1936. Serial No. 385,301. PUBLISHED JANUARY 12, 1937. Class 46.

344,411. CANDY. NORRIS INCORPORATED, Atlanta, Ga.
Filed November 9, 1936. Serial No. 385,303. PUBLISHED JANUARY 12, 1937. Class 46.

344,412. FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT. SIERRA VISTA PACKING ASSOCIATION, Riverside, Calif.
Filed November 9, 1936. Serial No. 385,308. PUBLISHED JANUARY 12, 1937. Class 46.

344,413. LOCK NUTS. STANDARD PRESSED STEEL CO., Jenkintown, Pa.
Filed November 9, 1936. Serial No. 385,310. PUBLISHED JANUARY 12, 1937. Class 13.

344,414. AMUSEMENT APPARATUS CONSISTING OF MULTIPLE DISCS. TEN-O-WIN AMUSEMENT COMPANY, San Francisco, Calif.
Filed November 9, 1936. Serial No. 385,313. PUBLISHED JANUARY 12, 1937. Class 22.

344,415. DENTAL PLASTER PARIS. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed November 9, 1936. Serial No. 385,317. PUBLISHED JANUARY 12, 1937. Class 44.

344,416. GOLD FOR DENTAL INLAYS. J. F. JELENKO AND COMPANY, INC., New York, N. Y.
Filed November 10, 1936. Serial No. 385,357. PUBLISHED JANUARY 12, 1937. Class 44.

344,417. TOY PAINT-SETS AND MODELING AND SCULPTURING PLAY-SETS. STANDARD TOYKRAFT PRODUCTS, INC., Brooklyn, N. Y.
Filed November 10, 1936. Serial No. 385,370. PUBLISHED JANUARY 12, 1937. Class 22.

344,418. RICE. J. ARON & COMPANY, INC., New Orleans, La.
Filed November 11, 1936. Serial No. 385,385. PUBLISHED JANUARY 12, 1937. Class 46.

344,419. CANNED FRUITS, CANNED VEGETABLES, CANNED SPANISH STYLE HOT SAUCE. BERCUT RICHARDS PACKING COMPANY, Sacramento, Calif.
Filed November 11, 1936. Serial No. 385,389. PUBLISHED JANUARY 12, 1937. Class 46.

344,420. COAL. RED JACKET COAL SALES COMPANY, Columbus, Ohio.
Filed November 12, 1936. Serial No. 385,451. PUBLISHED JANUARY 12, 1937. Class 1.

344,421. FIRST AID CONTAINER AND EQUIPMENT. FRANCESCA GLUCKSTEIN, London, England.
Filed November 13, 1936. Serial No. 385,479. PUBLISHED JANUARY 12, 1937. Class 44.

344,422. CANNED SALMON. GRIFFITH-DURNEY COMPANY, San Francisco, Calif.
Filed November 13, 1936. Serial No. 385,481. PUBLISHED JANUARY 12, 1937. Class 46.

344,423. RUBBER ERASERS. RUBBER-GEL PRODUCTS CORPORATION, North Quincy, Mass.
Filed November 13, 1936. Serial No. 385,494. PUBLISHED JANUARY 12, 1937. Class 37.

344,424. DOG FOOD. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill.
Filed November 14, 1936. Serial No. 385,532. PUBLISHED JANUARY 12, 1937. Class 46.

344,425. LAUNDRY SOAP. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill.
Filed November 14, 1936. Serial No. 385,533. PUBLISHED JANUARY 12, 1937. Class 4.

344,426. PAPER FOR WRITING, TYPEWRITING, DUPLICATING, AND PRINTING PURPOSES. DITTO, INCORPORATED, Chicago, Ill.
Filed November 16, 1936. Serial No. 385,568. PUBLISHED JANUARY 12, 1937. Class 37.

344,427. COLLOIDAL CLAY TO BE USED AS A DETERGENT FOR SCOURING PURPOSES. E. F. HOUGHTON & Co., Philadelphia, Pa.
Filed November 16, 1936. Serial No. 385,582. PUBLISHED JANUARY 12, 1937. Class 4.

344,428. INK. SNELLING BROTHERS, Allentown, Pa.
Filed November 17, 1936. Serial No. 385,650. PUBLISHED JANUARY 12, 1937. Class 11.

344,429. SPEEDOMETERS. WALTHAM WATCH COMPANY, Waltham, Mass.
Filed November 17, 1936. Serial No. 385,655. PUBLISHED JANUARY 12, 1937. Class 26.

344,430. SAFETY RAZOR BLADES. COLTON RAZOR BLADE COMPANY, Boston, Mass.
Filed November 18, 1936. Serial No. 385,659. PUBLISHED JANUARY 12, 1937. Class 23.

344,431. SAFETY RAZOR BLADES. COLTON RAZOR BLADE COMPANY, Boston, Mass.
Filed November 18, 1936. Serial No. 385,660. PUBLISHED JANUARY 12, 1937. Class 23.

344,432. SAFETY RAZOR BLADES. COLTON RAZOR BLADE COMPANY, Boston, Mass.
Filed November 18, 1936. Serial No. 385,684. PUBLISHED JANUARY 12, 1937. Class 23.

344,433. SAFETY RAZOR BLADES. COLTON RAZOR BLADE COMPANY, Boston, Mass.
Filed November 18, 1936. Serial No. 385,685. PUBLISHED JANUARY 12, 1937. Class 23.

344,434. LEATHER BELTING. GRATON & KNIGHT COMPANY, Worcester, Mass.
Filed November 18, 1936. Serial No. 385,689. PUBLISHED JANUARY 12, 1937. Class 35.

344,435. UPHOLSTERED CHAIRS, DAVENPORTS, COUCHES, STOOLS, AND CUSHIONS. THE WOLWIN CHAIR CO., Willoughby, Ohio.
Filed November 18, 1936. Serial No. 385,715. PUBLISHED JANUARY 12, 1937. Class 32.

344,436. HACK SAW BLADES. MILLERS FALLS COMPANY, Greenfield, Mass.
Filed November 19, 1936. Serial No. 385,741. PUBLISHED JANUARY 12, 1937. Class 23.

344,437. CHARTS FOR USE IN CONNECTION WITH APPARATUS FOR ASCERTAINING AND RECORDING CONDITIONS OF THE CIRCULATORY SYSTEM. CAMERON HEARTOMETER CO., Chicago, Ill.
Filed November 20, 1936. Serial No. 385,776. PUBLISHED JANUARY 12, 1937. Class 26.

344,438. RADIO ANTENNAE. DONALDSON RADIO AND ELECTRIC CO., Kansas City, Mo.
Filed November 20, 1936. Serial No. 385,781. PUBLISHED JANUARY 12, 1937. Class 21.

344,439. BOARD GAME PLAYED WITH MOVABLE PIECES. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed November 28, 1936. Serial No. 386,071. PUBLISHED JANUARY 12, 1937. Class 22.

344,440. WELDING RODS. DON LLEWELLYN, Los Angeles, Calif.
Filed November 30, 1936. Serial No. 386,119. PUBLISHED JANUARY 12, 1937. Class 14.

344,441. TIRE CHAINS. THE AMERICAN OIL COMPANY, Baltimore, Md.
Filed January 3, 1936. Serial No. 373,288. PUBLISHED MARCH 10, 1936. Class 13.

344,442. LEADS AND LEAD DISPENSERS FOR MECHANICAL LEAD PENCILS AND PAPERS, SUCH AS "MIMEOGRAPH" PAPER, DRAWING PAPER, WRITING PAPER, TYPEWRITING PAPER, POSTER AND CONSTRUCTION PAPER. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed January 6, 1936. Serial No. 373,349. PUBLISHED JANUARY 5, 1937. Class 37.

344,443. CREAM. DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica and New York, N. Y.
Filed January 28, 1936. Serial No. 374,180. PUBLISHED JANUARY 12, 1937. Class 46.

344,444. VARIABLE SPEED GEARING APPARATUS FOR V-BELT POWER TRANSMISSION. DON HEYER, doing business as Heyer and Sutton, Inc., Los Angeles, Calif.
Filed February 6, 1936. Serial No. 374,559. PUBLISHED JANUARY 12, 1937. Class 23.

344,445. HAIR BRUSHES. METALFIELD INCORPORATED, Long Island City, N. Y.
Filed February 8, 1936. Serial No. 374,628. PUBLISHED JANUARY 12, 1937. Class 29.

344,446. NURSING NIPPLES. THE CILOCON CORPORATION, Detroit, Mich.
Filed March 14, 1936. Serial No. 375,984. PUBLISHED JANUARY 12, 1937. Class 44.

344,447. SUPERHEATERS. EMERSON BROWN, New York, N. Y.
Filed April 7, 1936. Serial No. 376,893. PUBLISHED AUGUST 25, 1936. Class 34.

344,448. PRINTED MATTER USED IN THE BUSINESS OF INSTALLMENT SELLING AND THE BUSINESS OF INSTALLMENT FINANCING AS FOLLOWS: PRICE TAGS, ETC. NATIONAL ASSOCIATION OF SALES FINANCE COMPANIES, Chicago, Ill.
Filed April 24, 1936. Serial No. 377,591. PUBLISHED JANUARY 5, 1937. Class 37.

344,449. COAL. BLUE BLAZE COAL COMPANY, Clarksville, Ark.
Filed May 7, 1936. Serial No. 378,127. PUBLISHED JANUARY 12, 1937. Class 1.

344,450. DRIED FRUIT. CALIFORNIA PRUNE & APRICOT GROWERS ASSOCIATION, San Jose, Calif.
Filed May 8, 1936. Serial No. 378,183. PUBLISHED SEPTEMBER 29, 1936. Class 46.

344,451. WAX POLISHING COMPOSITIONS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed May 15, 1936. Serial No. 378,505. PUBLISHED JUNE 30, 1936. Class 16.

344,452. SOLE LEATHER. PERLSTEIN BROTHERS, New York, N. Y.
Filed May 21, 1936. Serial No. 378,705. PUBLISHED JANUARY 12, 1937. Class 1.

344,453. WRAPPING PAPER. CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif.
Filed June 9, 1936. Serial No. 379,468. PUBLISHED AUGUST 25, 1936. Class 37.

344,454. SHERRY WINE. PORTAL, DINGWALL & NORRIS, London, England.
Filed June 11, 1936. Serial No. 379,564. PUBLISHED JANUARY 12, 1937. Class 47.

344,455. MUSTARD. THE R. T. FRENCH COMPANY, Rochester, N. Y.
Filed June 26, 1936. Serial No. 380,272. PUBLISHED JANUARY 12, 1937. Class 46.

344,456. PORTABLE ELECTRIC POWER PRODUCING PLANT, ELECTRIC GENERATORS, BATTERY CHARGERS, AND LIGHT PLANTS. CONTINENTAL MOTORS CORPORATION, Detroit, Mich.
Filed June 29, 1936. Serial No. 380,387. PUBLISHED JANUARY 12, 1937. Class 21.

344,457. MATTRESSES. SUPREME BEDDING & FURNITURE MANUFACTURING COMPANY, INC., Monroe, La.
Filed July 6, 1936. Serial No. 380,679. PUBLISHED JANUARY 12, 1937. Class 32.

344,458. CANNED VEGETABLES. CARROON & COMPANY, Fowler, Ind.
Filed July 8, 1936. Serial No. 380,755. PUBLISHED JANUARY 12, 1937. Class 46.

344,459. POTATO CHIPS. QUALITY PRODUCTS CO., Chicago, Ill.
Filed July 13, 1936. Serial No. 380,969. PUBLISHED SEPTEMBER 1, 1936. Class 46.

344,460. SINKS. WHITEHEAD METAL PRODUCTS COMPANY OF NEW YORK, INC., New York, N. Y.
Filed July 17, 1936. Serial No. 381,143. PUBLISHED JANUARY 12, 1937. Class 13.

344,461. COOKIES. BURRY BISCUIT CORPORATION, Linden, N. J.
Filed October 27, 1936. Serial No. 384,840. PUBLISHED JANUARY 12, 1937. Class 46.

344,462. PIECEGOODS EMBODYING A MIXTURE OF WOOL AND COTTON. DYERSBURG COTTON PRODUCTS, INC., Dyersburg, Tenn.
Filed October 27, 1936. Serial No. 384,845. PUBLISHED JANUARY 5, 1937. Class 42.

344,463. BRUSHLESS SHAVING CREAM, SHAVING CREAM, ALL KINDS OF SOAPS, STEEL WOOL CLEANING PADS, METAL AND GLASS CLEANER WHICH RESTORES POLISH. PADOLA CORPORATION, New York, N. Y.
Filed October 27, 1936. Serial No. 384,861. PUBLISHED JANUARY 12, 1937. Class 4.

344,464. SALT PREPARATION FOR THE SEASONING OF FOODS. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y.
Filed October 27, 1936. Serial No. 384,873. PUBLISHED JANUARY 12, 1937. Class 46.

344,465. CANDY. E. J. BRACH & SONS, Chicago, Ill.
Filed October 28, 1936. Serial No. 384,878. PUBLISHED JANUARY 12, 1937. Class 46.

344,466. POCKET CUTLERY AND TABLE CUTLERY COMPOSED OF STEEL. IMPERIAL KNIFE COMPANY, INC., Providence, R. I.
Filed October 28, 1936. Serial No. 384,896. PUBLISHED JANUARY 12, 1937. Class 23.

344,467. HAND OR TOILET SOAP. SYNDICATE-ALLIANCE TRADING CO. INC., New York, N. Y.
Filed October 28, 1936. Serial No. 384,910. PUBLISHED JANUARY 12, 1937. Class 4.

344,468. MEN'S AND WOMEN'S JEWELRY—NAMELY, CUFF BUTTONS AND CUFF LINKS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME. COMMERCIAL SHIRT CORPORATION, New York, N. Y.
Filed October 29, 1936. Serial No. 384,920. PUBLISHED JANUARY 12, 1937. Class 28.

344,469. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed October 30, 1936. Serial No. 384,956. PUBLISHED JANUARY 12, 1937. Class 42.

344,470. GABARDINE SILK PIECE GOODS. HOWSE, MEAD & SONS, INC., New York, N. Y.
Filed October 30, 1936. Serial No. 384,965. PUBLISHED JANUARY 12, 1937. Class 42.

344,471. FRUIT JUICES FOR BEVERAGE PURPOSES. SUSSMAN, WORMSER & Co., San Francisco, Calif.
Filed October 30, 1936. Serial No. 384,984. PUBLISHED JANUARY 12, 1937. Class 45.

344,472. CONTINUOUS WRITING STRIPS INTERLEAVED WITH CARBON STRIPS AND WRITING SHEETS WITH INTERLEAVED CARBON SHEETS FOR USE IN MANIFOLDING REGISTERS, IN TYPEWRITERS, AND IN OTHER MACHINES. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J.
Filed November 2, 1936. Serial No. 385,025. PUBLISHED JANUARY 12, 1937. Class 37.

344,473. CONTINUOUS WRITING STRIPS INTERLEAVED WITH CARBON STRIPS AND WRITING SHEETS WITH INTERLEAVED CARBON SHEETS FOR USE IN MANIFOLDING REGISTERS, IN TYPEWRITERS, AND IN OTHER MACHINES. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J.
Filed November 2, 1936. Serial No. 385,026. PUBLISHED JANUARY 12, 1937. Class 37.

344,474. RICE. LOUISIANA STATE RICE MILLING COMPANY, INC., Abbeville, La.
Filed November 2, 1936. Serial No. 385,049. PUBLISHED JANUARY 12, 1937. Class 46.

344,475. CIGARS. LOUISE PFUHL AND KARL H. PFUHL, Rochelle Park, N. J.
Filed November 2, 1936. Serial No. 385,060. PUBLISHED JANUARY 12, 1937. Class 17.

344,476. WALL PAPERS. CHAS. S. SMITH, doing business as C. S. Smith Co., Los Angeles, Calif.
Filed November 2, 1936. Serial No. 385,067. PUBLISHED JANUARY 12, 1937. Class 37.

344,477. CIGARS. LOUISE PFUHL AND KARL H. PFUHL, Rochelle Park, N. J.
Filed November 3, 1936. Serial No. 385,107. PUBLISHED JANUARY 12, 1937. Class 17.

344,478. DISPOSABLE DIAPERS, HOSPITAL PADS, AND SANITARY PADS. MCLOUGHLIN MANUFACTURING COMPANY, New York, N. Y.
Filed November 5, 1936. Serial No. 385,192. PUBLISHED JANUARY 12, 1937. Class 44.

344,479. CIGARETTES AND PIPE TOBACCO. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y.
Filed November 5, 1936. Serial No. 385,193. PUBLISHED JANUARY 12, 1937. Class 17.

344,480. WOOLEN AND WORSTED FABRICS IN THE PIECE. TERHUNE, YERKANCE & WOLFF, INC., New York, N. Y.
Filed November 5, 1936. Serial No. 385,204. PUBLISHED JANUARY 12, 1937. Class 42.

344,481. SAFETY RAZOR BLADES. COLTON RAZOR BLADE COMPANY, Boston, Mass.
Filed November 18, 1936. Serial No. 385,658. PUBLISHED JANUARY 12, 1937. Class 23.

344,482. WHISKEY, GIN, BRANDY, COGNAC, RUM, AND ALCOHOLIC CORDIALS. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md.
Filed December 2, 1936. Serial No. 386,224. PUBLISHED JANUARY 12, 1937. Class 49.

344,483. BILLIARD CUES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,339. PUBLISHED JANUARY 12, 1937. Class 22.

344,484. BILLIARD CUES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,340. PUBLISHED JANUARY 12, 1937. Class 22.

344,485. BILLIARD TABLES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,341. PUBLISHED JANUARY 12, 1937. Class 22.

344,486. BILLIARD CUES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,348. PUBLISHED JANUARY 12, 1937. Class 22.

344,487. BILLIARD CUES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,349. PUBLISHED JANUARY 12, 1937. Class 22.

344,488. BILLIARD CUES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,350. PUBLISHED JANUARY 12, 1937. Class 22.

344,489. PAINT IN PASTE FORM. SAMSON PLASTER BOARD COMPANY, Buffalo, N. Y.
Filed December 5, 1936. Serial No. 386,378. PUBLISHED JANUARY 12, 1937. Class 16.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

344,490. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DETROIT DENTAL MANUFACTURING CO., Detroit, Mich. Filed Mar. 2, 1936. Serial No. 375,428.

GLOSSY-GLAZ

For Coating for Models of Dental Impressions.
Claims use since Feb. 14, 1936.

344,491. (CLASS 38. PRINTS AND PUBLICATIONS.) THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y. Filed Mar. 5, 1936. Serial No. 375,583.

IVES TRICHROMATIC PALETTE

For Color Charts.
Claims use since Dec. 30, 1935.

344,492. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PAPER NOVELTY MANUFACTURING COMPANY, New York, N. Y. Filed Mar. 6, 1936. Serial No. 375,658.

Multi-Lite

For Christmas Tree Ornaments Having No Light Generating Media.
Claims use since Feb. 1, 1936.

344,493. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) RAYMOND E. ASHLEY, Waban, Mass. Filed Apr. 4, 1936. Serial No. 376,790.

Auto Top
Ski-Carri

For Portable Carrier Devices Adapted for Use Upon the Tops of Automobiles Particularly for Transporting Skiing Equipment.
Claims use since January, 1936.

344,494. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT ALBEK, INC., Los Angeles, Calif. Filed June 25, 1936. Serial No. 380,180.

AQUA CERA

For Wax in Solid Form, Which is Soluble in Water and Used in the Preparation of Creams, Such as Cold Cream, All-Purpose Cream, Vanishing Cream, and Brushless Shaving Cream, and for the Manufacture of Cosmetics.
Claims use since 1934.

344,495. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WIZARD LIGHTFOOT APPLIANCE CO., St. Louis, Mo. Filed July 11, 1936. Serial No. 380,937.

Wizard

For Internal Arch-Supports and External Arch-Supports.
Claims use since Dec. 1, 1910.

344,496. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MILTON W. KOHLER AND IRVING N. KOHLER, Fairport, N. Y. Filed Aug. 3, 1936. Serial No. 381,770.

"Drs. Kohlers' Film Removing Tooth Brushes"

For Toothbrushes.
Claims use since January, 1936.

344,497. (CLASS 37. PAPER AND STATIONERY.) ABRAHAM BAFF, doing business as The Baff Manufacturing Co., North Arlington, N. J. Filed Aug. 25, 1936. Serial No. 382,548.

THE "BAFF" FOUNDTAIN FEED PEN
WRITE A LETTER · WITH ONE DIP

For Fountain Feed Pens.
Claims use since Jan. 25, 1934.

344,498. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) FEDERATED METALS CORPORATION, New York, N. Y. Filed Oct. 28, 1936. Serial No. 384,890.

MOR-TIN

For Type Metal.
Claims use since Jan. 1, 1927.

344,499. (CLASS 39. CLOTHING.) HELEN AXEL, doing business as Slyde On Neckwear Company, Philadelphia, Pa. Filed Nov. 24, 1936. Serial No. 385,922.

SLYDE-ON

For Men's Neckwear (Ties).
Claims use since Jan. 1, 1936.

TRADE-MARK REGISTRATIONS RENEWED

113,395. OVERCOATS, COATS, VESTS, AND TROUSERS. Registered October 17, 1916. B. KUPPENHEIMER & COMPANY. Renewed October 17, 1936, to B. Kuppenheimer & Co. Inc., Chicago, Ill., a corporation of Illinois, assignee.

114,868. PLUSHES IN THE PIECE. Registered January 9, 1917. SIDNEY BLUMENTHAL & COMPANY. Renewed January 9, 1937, to Sidney Blumenthal & Company, Inc., New York, N. Y., a corporation of New York.

115,057. AUTOMOBILE-TRAILERS. Registered January 23, 1917. AUTO-KAMP EQUIPMENT CO., INC. Renewed January 23, 1937, to Auto-Kamp Trailer Company, Saginaw, Mich., a corporation of Michigan, assignee by mesne assignments.

155,199. CAKES. Registered January 30, 1917. LOOSE-WILES BISCUIT COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed January 30, 1937.

115,247. SELF-RISING WHEAT-FLOUR. Registered January 30, 1917. STEELEVILLE MILLING COMPANY, Steeleville, Ill. Renewed January 30, 1937, to Glister Milling Company, Chester, Ill., a corporation of Illinois, assignee.

115,361. CAKES OF THE KIND KNOWN AS COOKIES. Registered February 6, 1917. LOOSE-WILES BISCUIT COMPANY, New York, N. Y., and Kansas City, Mo. Renewed February 6, 1937, to Loose-Wiles Biscuit Company, Long Island City, N. Y., a corporation of New York.

115,412. TRANSMISSION AND GEAR-CASE GREASE. Registered February 6, 1917. SWAN & FINCH CO. Renewed February 6, 1937, to Swan-Finch Oil Corporation, New York, N. Y., a corporation of New York, by change of name.

115,462. A COMPOUND FOR USE AS A LUBRICANT IN INTERNAL-COMBUSTION-ENGINE CYLINDERS AND AS A CARBON-FORMING PREVENTIVE. Registered February 13, 1917. CHARLES E. PADEN, Denver, Colo. Renewed February 13, 1937, to Charles E. Paden, Leavenworth, Kans.

115,649. FLUID MEDICINES MADE FROM PLANT DRUGS AND KNOWN AS TINCTURES. Registered February 27, 1917. THE WILLIAM S. MERRELL CHEMICAL COMPANY. Renewed February 27, 1937, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Ohio, by change of name.

115,682. WOOD AND COAL BURNING RANGES AND WOOD AND COAL BURNING STOVES. Registered February 27, 1917. THE STAMFORD FOUNDRY COMPANY, Stamford, Conn., a corporation of Connecticut. Renewed February 27, 1937.

115,743. PHOTOGRAPHIC DEVELOPERS. Registered March 6, 1917. EASTMAN KODAK CO. Renewed March 6, 1937, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

116,159. MOTOR-LUBRICATING OILS AND GREASES. Registered April 10, 1917. HARRY E. ROGERS, Bakersfield, Calif. Renewed April 10, 1937, to The Pennzoil Company, Los Angeles, Calif., a corporation of California, assignee by mesne assignments.

116,230. ELECTRICAL TEST-CLIPS. Registered April 17, 1917. R. S. MUELLER & Co. Renewed April 17, 1937, to Mueller Electric Company, Cleveland, Ohio, a partnership, assignee.

116,340. MATRICES. Registered April 24, 1917. MERGENTHALER LINOTYPE COMPANY, New York, N. Y. Renewed April 24, 1937, to Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York.

116,734. SUSPENDERS, BELTS, AND GARTERS. Registered May 15, 1917. JOSEPH ZIFF, Detroit, Mich. Renewed May 15, 1937.

116,801. CIGARS. Registered May 22, 1917. SIDNEY S. SPEIER, Louisville, Ky. Renewed May 22, 1937.

116,878. GLOVES AND MITTENS. Registered June 5, 1917. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., a corporation of Illinois. Renewed June 5, 1937.

116,925. A REMEDY FOR LA GRIPPE, HAY-FEVER, ASTHMA, BRONCHITIS, COUGHS, AND STOMACH TROUBLES. Registered June 5, 1917. S. SHEARER Co., Sinking Spring, Pa., a firm. Renewed June 5, 1937.

117,076. WALL-PAPER CLEANER. Registered June 19, 1917. ACME CLEANER MANUFACTURING COMPANY. Renewed June 19, 1937, to The Climax Cleaner Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, assignee.

117,262. PORTABLE ELECTRIC LIGHTS AND DRY BATTERIES. Registered June 26, 1917. NATIONAL CARBON COMPANY, Long Island City, N. Y. Renewed June 26, 1937, to National Carbon Company, Inc., New York, N. Y., a corporation of New York, assignee.

117,309. HERBS FOR THE TREATMENT OF CERTAIN NAMED DISEASES. Registered July 3, 1917. ZENON GATKOWSKI. Renewed July 3, 1937, to Sinclair G. Stanley, Chicago, Ill., successor.

117,325. CARBURIZING AND CASE-HARDENING MATERIALS. Registered July 3, 1917. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 3, 1937.

117,356. SUBSTANCES OR MATERIALS USED IN HARDENING STEEL AND IN THE HEAT TREATMENT OF STEEL. Registered July 3, 1917. PARK CHEMICAL COMPANY, Detroit, Mich., a corporation of Michigan. Renewed July 3, 1937.

117,372. A MONTHLY MAGAZINE DEVOTED TO SIGN-PAINTERS, DISPLAY-ADVERTISERS, AND THE LIKE. Registered July 3, 1917. THE SIGNS OF THE TIMES PUBLISHING COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed July 3, 1937.

117,492. SNAP-BUTTONS USED AS GARMENT-FASTENERS. Registered July 10, 1917. WALDES & Co., Prague-Wrschowitz, Austria-Hungary. Renewed July 10, 1937, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

117,542. HAM, BACON, LARD, BOLOGNA, SAUSAGE, DRY SALT MEATS, PICKLED MEATS, AND FRESH PORK. Registered July 17, 1917. FRIED & REINEMAN PACKING COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed July 17, 1937.

117,560. REELS FOR FISHING-RODS. Registered July 17, 1917. THE HORTON MANUFACTURING COMPANY, Bristol, Conn., a corporation of Connecticut. Renewed July 17, 1937.

117,561. REELS FOR FISHING-RODS. Registered July 17, 1917. THE HORTON MANUFACTURING COMPANY, Bristol, Conn., a corporation of Connecticut. Renewed July 17, 1937.

117,673. MUSICAL CHIMES AND MUSICAL BELLS. Registered July 24, 1917. THE KOHLER-LIEBICH COMPANY, Chicago, Ill., a corporation of Delaware. Renewed July 24, 1937.

117,679. GLASS BAKING-DISHES. Registered July 24, 1917. MCKEE GLASS COMPANY, Jeannette, Pa., a corporation of Pennsylvania. Renewed July 24, 1937.

117,692. A TONIC FOR TREATMENT OF ALL DISEASES ARISING FROM AN IMPURE BLOOD. Registered July 24, 1917. WILLIAM A. MINICK, Glasgow, Ky. Renewed July 24, 1937, to William A. Minick, Bowling Green, Ky.

117,700. HARNESS-OIL. Registered July 24, 1917. JOHN C. NOURSE, Kansas City, Mo. Renewed July 24, 1937, to Nourse Oil Company, Kansas City, Kans., a corporation of Missouri, assignee.

LABELS

REGISTERED MARCH 23, 1937

49,078.—*Title:* ADA MILLING COMPANY FLOUR; (YELLOW, ORANGE, AND BLUE-GREEN FLOWERS ON WHITE BACKGROUND). For Flour. ADA MILLING COMPANY, Ada, Okla. Published November 23, 1936.

49,079.—*Title:* ADA MILLING COMPANY FLOUR; (PINK ROSES ON WHITE BACKGROUND). For Flour. ADA MILLING COMPANY, Ada, Okla. Published November 23, 1936.

49,080.—*Title:* AL-LON FUMIGATING STORAGE BAG. For Fumigating Storage Bags. AL-LON MANUFACTURING CO., INC., Baltimore, Md. Published January 10, 1937.

49,081.—*Title:* AL-LON FRESHENER GARMENT BAG. For Garment Bags. AL-LON MANUFACTURING CO., INC., Baltimore, Md. Published January 10, 1937.

49,082.—*Title:* ANTROL-ANT POWDER. For Ant Powder. ANTROL LABORATORIES, INC., Los Angeles, Calif. Published December 1, 1936.

49,083.—*Title:* STURDY-WEAR. For Sheets and Pillow Cases. ARKWRIGHT, INCORPORATED, New York, N. Y. Published September 4, 1936.

49,084.—*Title:* ART. For Infants' Robes. ART HAND MADE CARRIAGE COVER CO., New York, N. Y. Published November 19, 1936.

49,085.—*Title:* GOOD 'N RIPE. For Peeled Apricots. F. M. BALL & COMPANY, Oakland, Calif. Published August 14, 1936.

49,086.—*Title:* GOOD 'N RIPE. For Halves of Yellow Cling Peaches. F. M. BALL & COMPANY, Oakland, Calif. Published August 14, 1936.

49,087.—*Title:* MORNING SUN. For Canned Beets. H. C. BAXTER & BRO., doing business as Baxter Bros. Co., Augusta Canning Company, Brunswick, Maine. Published December 4, 1936.

49,088.—*Title:* WHISK BRUSHLESS SHAVE. For Brushless Shaving Cream. RAYMOND THOMAS BOUTILLIER, Watertown, N. Y. Published September 18, 1936.

49,089.—*Title:* THE GUARD WELL UTILITY AND WORK SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 20, 1936.

49,090.—*Title:* WALLY SANDALS. For Sandals. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 2, 1936.

49,091.—*Title:* EXQUISITE NOUVEAU FOOTWEAR. For Footwear. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 17, 1936.

49,092.—*Title:* BRENTWOOD SMART SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published January 13, 1937.

49,093.—*Title:* CORONATION SANDALS. For Sandals. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published January 4, 1937.

49,094.—*Title:* STYL-O'-YOUTH SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published January 12, 1937.

49,095.—*Title:* THE SPORTSMAN SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published January 12, 1937.

49,096.—*Title:* THE WHITE HOUSE CUSTOM GRADE SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 21, 1936.

49,097.—*Title:* DR. CHASE'S HEALTH SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published December 21, 1936.

49,098.—*Title:* PARK BANNOCK CO. SHOE SALON. For Footwear. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published January 7, 1937.

49,099.—*Title:* BRIDGE. For Condiments. JULIA M. COOKE, Norwalk, Conn. Published January 12, 1937.

49,100.—*Title:* PRO-TECHNIC EDIPHONE. For Wax Dictation Cylinders. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Published December 22, 1936.

49,101.—*Title:* TEXAS BLUEBONNET SHELLED PECANS. For Shelled Pecans. J. R. FLEMING & COMPANY, Weatherford, Tex. Published November 30, 1936.

49,102.—*Title:* HOSPITAL PACK BRAND. For Unsweetened Grapefruit Juice. GENTILE BROS. COMPANY, Cincinnati, Ohio, and Orlando, Fla. Published December 10, 1936.

49,103.—*Title:* NELIO. For Pure Gum Rosin. THE GLIDDEN COMPANY, Cleveland, Ohio. Published May 28, 1936.

49,104.—*Title:* $100.^{00}$ GUARANTEED WATER SOFTENER. For a Powder to Soften Water. B. HELLER & COMPANY, Chicago, Ill. Published February 9, 1937.

49,105.—*Title:* CHEEZNUTS. For Cheese Treated Nuts. JAMES B. HOLLIS, Los Angeles, Calif. Published December 24, 1936.

49,106.—*Title:* HOSTESS PLAZA FOOD PRODUCTS. For Food Products. HOSTESS PRODUCTS CORPORATION, Long Island City, N. Y. Published December 4, 1936.

49,107.—*Title:* POK-A-DOT BISCUIT. For Biscuits. THE JUNGE BAKING COMPANY, Joplin, Mo. Published December 1, 1936.

49,108.—*Title:* RENEWAL. For Furniture Polish. FREDERICK G. KOERTGE, Belvidere, Ill. Published December 4, 1936.

49,109.—*Title:* THE IMPROVED LANOLIN BABY POWDER. For Baby Powder. LORAIN PRODUCTS CO., INC., New York, N. Y. Published December 7, 1936.

49,110.—*Title:* PURITAN ORIGINAL DUTCH OVEN BAKED BEANS. For Baked Beans. MAINE CANNED FOODS, INC., Portland, Maine. Published October 8, 1936.

49,111.—*Title:* PURITAN ORIGINAL DUTCH OVEN BAKED BEANS. For Baked Beans. MAINE CANNED FOODS, INC., Portland, Maine. Published October 29, 1936.

49,112.—*Title:* MANNINGS COFFEE—YELLOW BAG BLEND. For Coffee. MANNINGS, INC., San Francisco, Calif. Published January 4, 1937.

49,113.—*Title:* MANNINGS COFFEE — RED BAG BLEND. For Coffee. MANNINGS, INC., San Francisco, Calif. Published January 4, 1937.

49,114.—*Title:* MANNINGS FINEST COFFEE. For Coffee. MANNINGS, INC., San Francisco, Calif. Published January 4, 1937.

49,115.—*Title:* YEABO. For Film Productions. MASTER PICTURES, INC., Los Angeles, Calif. Published December 15, 1936.

49,116.—*Title:* CHEERIO. For Grapefruit Juice. F. B. MATTHEWS & Co., INC., Kingston, N. Y. Published January 20, 1937.

49,117.—*Title:* WONDER WELD. For a Metallic Preparation for the Repairing of Cracked Valve Ports, Water Jackets and Cylinders. MILLER MANUFACTURING COMPANY, Camden, N. J. Published January 2, 1937.

49,118.—*Title:* NEUTRI-DERM. For a Preparation for the Treatment of the Skin for Cuts, Bruises, Burns, Irritable Skin and Scalp. NEODERM COMPANY, Los Angeles, Calif. Published July 31, 1936.

49,119.—*Title:* VALMOR RED CLOVER COMPOUND. For a Tonic. M. G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published October 30, 1936.

49,120.—*Title:* BROWNTOWN. For Apple Brandy. NEW JERSEY APPLE GROWERS, INC., Matawan, N. J. Published December 1, 1936.

49,121.—*Title:* PATRICK'S BRITEN UP GLASS POLISH CLEANER. For a Liquid Glass Polish and Cleaner. FRANK E. PATRICK, San Francisco, Calif. Published December 17, 1936.

49,122.—*Title:* DOUBLE DREAMS. For a Chocolate, Almonds and Coconut Confection. PETER PAUL, INC., Naugatuck, Conn. Published January 15, 1937.

49,123.—*Title:* SUPERIOR QUALITY. For House Paint. ST. LOUIS SURFACER AND PAINT COMPANY, St. Louis, Mo. Published October 2, 1936.

49,124.—*Title:* 'SALADA' MIXED TEA. For Mixed Tea. SALADA TEA CO., (INC.), Boston, Mass. Published January 2, 1937.

49,125.—*Title:* SCHLITZ SUNSHINE VITAMINE-D. For Beer. JOS. SCHLITZ BREWING COMPANY, Milwaukee, Wis. Published February 5, 1937.

49,126.—*Title:* KILL-N-SEC. For an Insecticide. SEMINOLE LABORATORIES, INCORPORATED, Jacksonville, Fla. Published May 9, 1935.

49,127.—*Title:* A. B. C. For a Medicinal Preparation for Treating Goitre. W. B. SHIELDS, Oakland, Calif. Published January 1, 1936.

49,128.—*Title:* BRITISH WALKERS. For Shoes. J. P. SMITH SHOE Co., Chicago, Ill. Published December 22, 1936.

49,129.—*Title:* LADY MARLOW. For Cleansing Cream. SONTAG CHAIN STORES CO. LTD., Los Angeles, Calif. Published January 10, 1936.

49,130.—*Title:* SPARKLET. For Beverage Charging Syphon. SPARKLETS CORPORATION, New York, N. Y. Published December 31, 1936.

49,131.—*Title:* DRINK CELERY JUICE FOR YOUR HEALTH. For Celery Juice. GEORGE SRDANOV, East Chicago, Ind. Published June 25, 1936.

49,132.—*Title:* TAYLOR'S TRIX FOR CLEANING. For a General Purpose Cleaning Compound. W. H. TAYLOR, doing business as Taylor Chemical Company, Ludington, Mich. Published September 9, 1936.

49,133.—*Title:* PLAY BOY. For Dog and Cat Food. VIMPEP FOODS, INC., Cambridge, Md. Published December 28, 1936.

49,134.—*Title:* COACH DOG. For Dog Food. VIMPEP FOODS, INC., Cambridge, Md. Published January 23, 1937.

49,135.—*Title:* DOG LURE. For Dog Food. VIMPEP FOODS, INC., Cambridge, Md. Published January 14, 1937.

49,136.—*Title:* ON GUARD. For Dog Food. VIMPEP FOODS, INC., Cambridge, Md. Published February 3, 1937.

49,137.—*Title:* RSR. For an Enzymatic Product for Removal of Protein Stains and Starch. WALLERSTEIN CO. INC., New York, N. Y. Published September 15, 1936.

49,138.—*Title:* FRESH BAKERY PRODUCTS. For Bakery Products. WAXIDE PAPER COMPANY, Kansas City, Mo. Published January 22, 1937.

49,139.—*Title:* WEMBLEY. For Cravats. WEMBLEY, INC., New Orleans, La. Published January 2, 1937.

49,140.—*Title:* REVELATION BURS. For Dental Burs. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Published October 1, 1936.

49,141.—*Title:* WONDER CLEANALL. For Cream for Cleaning Woodwork, Floors, Linoleum, Windowshades, Sinks, Rugs, and All Painted or Varnished Surfaces. WONDER CLEANALL CORP., Seattle, Wash. Published May 16, 1936.

49,142.—*Title:* GOOD LUCK. For Wines. YOUNGSTOWN WINERY, INC., Youngstown, Ohio. Published January 4, 1937.

PRINTS

REGISTERED MARCH 23, 1937

16,112.—*Title:* CANDY & NUTS FOR "NEW YEAR" GIFTS AND PARTIES. For Candy and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published December 30, 1936.

16,113.—*Title:* MACFARLANE CANDY IS IN GOOD TASTE, AWFUL GOOD TASTE. For Candy. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published January 15, 1937.

16,114.—*Title:* BIRD CARTONS. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published September 1, 1936.

16,115.—*Title:* BIRD CARTON. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published September 1, 1936.

16,116.—*Title:* JOIN OUR AMATEUR INTERIOR DECORATOR CONTEST. For Household Furniture. T. E. BLACKMON, Birmingham, Ala. Published May 15, 1936.

16,117.—*Title:* HERE'S THE IDEAL SPRING PARTY. For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published February 16, 1937.

16,118.—*Title:* EMILY POST AND BETTY CROCKER PLAN THE IDEAL SPRING PARTY. For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published February 10, 1937.

16,119.—*Title:* EMILY POST AND BETTY CROCKER PLAN FOR YOU THE IDEAL SPRING PARTY. For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published February 16, 1937.

16,120.—*Title:* FOLLOW THE GREEN LINE. For Sandwiches, Cakes and Coffee. ROWLAND JOHNSON, New York, N. Y. Published December 12, 1936.

16,121.—*Title:* KILLIAN'S STROLLER SHOE. For Shoes. THE KILLIAN COMPANY, Cedar Rapids, Iowa. Published May 22, 1936.

16,122.—*Title:* "FEET HURT? READ THIS AMAZING STATEMENT." "UNBALANCED FEET SPELL FOOT AILMENTS AND PAIN." "BALANCED FEET SPELL FOOT HEALTH AND COMFORT." For Shoes. MUSEBECK SHOE COMPANY, Danville, Ill. Published December 28, 1936.

16,123.—*Title:* HOW LONG, PROFESSOR. For Modifier of Cow's Milk for Infants. NESTLE'S MILK PRODUCTS, INC., New York, N. Y. Published January 4, 1937.

16,124.—*Title:* INDEED, HENRY. For a Milk Product. NESTLE'S MILK PRODUCTS, INC., New York, N. Y. Published February 8, 1937.

16,125.—*Title:* MIX THE NESTLE'S FOOD WITH THE MILK, HENRY. For a Milk Product. NESTLE'S MILK PRODUCTS, INC., New York, N. Y. Published January 4, 1937.

16,126.—*Title:* WHY LACTOGEN CONTAINS ABSOLUTELY NOTHING BUT THE NATURAL CONSTITUENTS OF COW'S MILK. For a Milk Product. NESTLE'S MILK PRODUCTS, INC., New York, N. Y. Published February 8, 1937.

16,127.—*Title:* WHY LACTOGEN MEETS THE ACCEPTED STANDARDS OF SCIENTIFIC NUTRITION. For a Milk Product. NESTLE'S MILK PRODUCTS, INC., New York, N. Y. Published January 4, 1937.

16,128.—*Title:* NO. 744. For Bock Beer. PENN LITHOGRAPHING CO., Philadelphia, Pa. Published January 4, 1937.

16,129.—*Title:* NO. 742. For Bock Beer. PENN LITHOGRAPHING CO., Philadelphia, Pa. Published January 4, 1937.

16,130.—*Title:* NO. 743. For Bock Beer. PENN LITHOGRAPHING CO., Philadelphia, Pa. Published January 4, 1937.

16,131.—*Title:* NO. 741. For Bock Beer. PENN LITHOGRAPHING CO., Philadelphia, Pa. Published January 4, 1937.

16,132.—*Title:* ONLY THIS GREAT REEL CAN GIVE YOU FREE-STRIPPING ENTIRELY FREE OF BRAKE DRAG. For Automatic Reels. PERRINE MANUFACTURING COMPANY, Minneapolis, Minn. Published February 15, 1937.

16,133.—*Title:* THERE ARE GOOD BEERS, THERE ARE BETTER BEERS, BUT THERE IS ONLY ONE PILSNER URQUELL. For Beer. PILSNER URQUELL IMPORTING CO. INC., New York, N. Y. Published January 15, 1937.

16,134.—*Title:* RIVER R S BRAND. For Brass and Bronze Ingots, Type Metal, Lead, Tin, Solder, and Babbitt. THE RIVER SMELTING & REFINING CO., Cleveland, Ohio. Published December 15, 1936.

16,135.—*Title:* ONE ACCOUNT OUTFITS THE FAMILY. For Shoes. ROSENBLUM'S, INC., Cleveland, Ohio. Published December 1, 1936.

16,136.—*Title:* STOP THIS COSTLY ANNOYANCE. For Anti-friction Heel Locks for Stockings. HERMAN H. ROWLAND, doing business as Proteks Co., New York, N. Y. Published December 2, 1936.

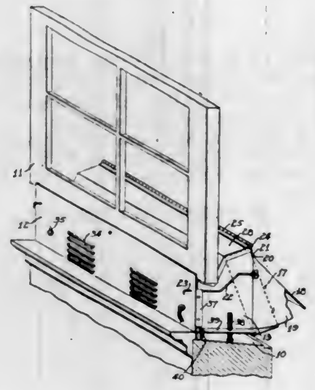
16,137.—*Title:* MONTANA FARM HOME PROVED! For Flour. ROYAL MILLING COMPANY, Minneapolis, Minn. Published February 16, 1937.

16,138.—*Title:* GRIN AND BEER IT WITH. For Beer. DAN J. SMOLEN, New York, N. Y. Published January 26, 1937.

REISSUES

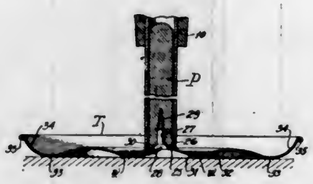
MARCH 23, 1937

20,301
WINDOW VENTILATOR
Edwin F. Chittenden, Ottawa Hills, Ohio
Original No. 2,036,851, dated April 7, 1936, Serial No. 710,877, February 12, 1934. Application for reissue September 14, 1936, Serial No. 100,702
10 Claims. (Cl. 98—94)



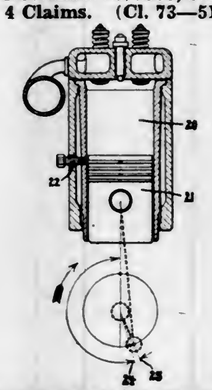
1. In ventilating a room, the method which consists in drawing air through an inlet opening, passing the air through a filter at a velocity not exceeding 100 feet per minute, and discharging the filtered air at an upward angle into the room at a velocity of at least 600 feet per minute.

20,302
STAND FOR COFFEE FUNNELS
Harvey Cory, Chicago, Ill.
Original No. 2,008,898, dated July 23, 1935, Serial No. 688,130, September 5, 1933. Application for reissue July 30, 1936, Serial No. 93,430
3 Claims. (Cl. 65—65)



3. A holder for a vacuum coffee brewer funnel comprising a post over which the funnel stem may be fitted, and a base whereon the post is vertically supported comprising a plate having a central elevated platform furnishing a rest for the bottom end of the funnel stem when supported on said post, means connecting the post immovably to the base at the location of the platform, and a depression in the base adjacent the platform forming a well for the collection of liquid draining from the funnel.

20,303
PERFORMANCE GAUGING MEANS FOR PRIME MOVERS
Joseph C. Groff, Allentown, Pa.
Original No. 1,982,659, dated December 4, 1934, Serial No. 466,111, July 7, 1930. Application for reissue November 18, 1936, Serial No. 111,402
4 Claims. (Cl. 73—51)

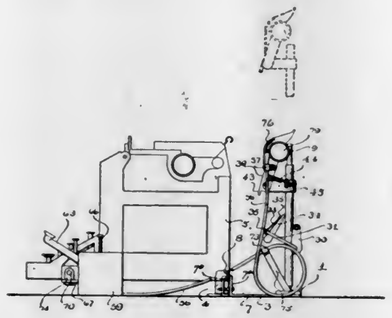


1. A performance gauging means to provide an indication for apportioning the power developed by a multi-cylinder piston type of prime mover among the individual cylinders wherein an expansive power medium works against and displaces reciprocating power pistons, said cylinders being provided with the usual means for releasing and exhausting the expanding medium upon substantial completion of the expansion stroke, said gauging means comprising in combination, gauging ported passage means located in the sidewall of the bore of each cylinder and in position at a substantially single point of piston travel to be automatically uncovered by the power piston itself substantially just before the instant of release of the expanding medium from the power cylinder and means associated with the gauging port means for determining the pre-exhaust pressure conditions existing in each power cylinder just prior to the release and exhaust of the expansive medium, which conditions are indicative of the power developed by the respective cylinder, whereby the power developed by the engine may be equally apportioned among the individual cylinders through adjustment of the supply of power medium to each cylinder.

20,304
COPY HOLDER
Clair C. Harper, Pomfret, Conn., and Eugene F. Kitendaugh, Oneida, N. Y., assignors, by mesne assignments, to The Dawn Manufacturing Corporation, Rochester, N. Y., a corporation of New York
Original No. 1,919,429, dated July 25, 1933, Serial No. 550,012, July 10, 1931. Application for reissue January 12, 1935, Serial No. 1,564
8 Claims. (Cl. 120—32)

1. The combination with a sheet supporting member having the uppermost portion thereof inclining upwardly and rearwardly, a clamp ar-

ranged on the rear side of the sheet supporting member to sustain a sheet in a suspended condition over the upper edge of the uppermost portion of the supporting member, a roller, a pivoted support for the roller mounted to support the roller in feeding relation to the sheets adjacent to



the rearwardly inclining portion of the supporting member, said support being in front of the axis of the roller in feeding position and below said axis, and a hood on the frame covering the front face of the roller and having its upper edge acting as a sheet deflector and arranged above the upper edge of the copy holder.

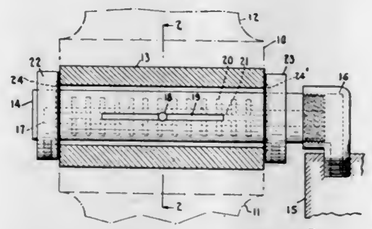
20,305

APPARATUS FOR MINIMIZING FRICTION AND VIBRATION OF ROTOR ELEMENTS

Emil Klahn, deceased, late of Summit, N. J., by Johanna Margaret Percival, administratrix, Summit, N. J.

Original No. 2,054,055, dated September 8, 1936, Serial No. 667,814, April 25, 1933. Application for reissue December 11, 1936, Serial No. 115,357

13 Claims. (Cl. 308—9)



1. A bearing device, comprising a rotor element and a stator element, one of said elements constituting a supporting member for the other element with a difference in diameters not exceeding a few thousandths of an inch, the said stator being provided with a longitudinally extending duct for supplying a gas under pressure and with a lateral discharge port on its periphery in communication with said duct, and means on the opposite side of said stator member from that of said port for relieving the pressure of such gas below that of such inlet pressure whereby gas discharged from the port will separate the two elements and be distributed therebetween with its volume increasing progressively toward the under side of the stator and will exhaust freely into the atmosphere.

20,306

METHOD FOR GOLD PLATING

Hiram S. Lukens, Philadelphia, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J., a corporation of New Jersey

No Drawing. Original No. 2,039,328, dated May 5, 1936, Serial No. 21,190, May 13, 1935, which is a continuation of Serial No. 707,502, January 20, 1934. Application for reissue August 5, 1936, Serial No. 94,469

8 Claims. (Cl. 204—12)

1. The method of gold plating a so-called stainless steel article which includes the steps of dissolving the oxide film normally present on the article, and electrodepositing gold from an acid gold plating solution containing free hydrocyanic acid.

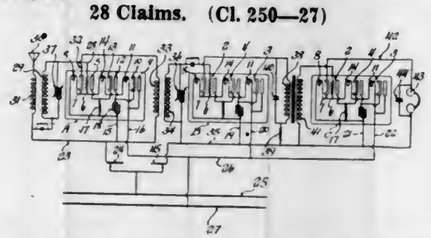
20,307

WIRELESS RECEIVING APPARATUS

Aristote Mavrogenis, Milwaukee, Wis., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Original No. 1,660,803, dated February 28, 1928, Serial No. 78,877, January 2, 1926. Application for reissue February 25, 1929, Serial No. 342,609

28 Claims. (Cl. 250—27)



24. In a radio receiving circuit, the combination comprising an electron discharge device including an indirectly heated cathode and an anode, said cathode being provided with heating means, a rectifier having a heatable filament and an anode, a circuit including a resistance, said heating means and said filament adapted to be energized by direct or alternating current, a filter connected to the output of said rectifier, and a connection from the filter to the anode of said discharge device whereby a substantially constant potential is supplied thereto either from a direct or alternating current source.

20,308

METER CONNECTING DEVICE

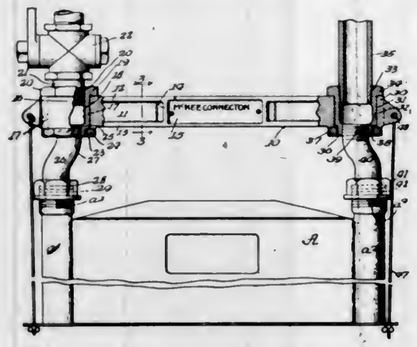
Garnet W. McKee, Rockford, Ill., assignor to Eclipse Fuel Engineering Company, Rockford, Ill., a corporation of Illinois

Original No. 1,838,778, dated December 29, 1931, Serial No. 440,180, March 31, 1930. Application for reissue November 5, 1932, Serial No. 641,449

6 Claims. (Cl. 285—50)

2. In a meter connection, the combination of a rigid bar adapted to extend substantially horizontally and provided at the ends thereof with substantially cylindrical sockets extending transversely therethrough, a pair of substantially cylindrical sleeve members provided with screw threads whereby they may be connected to the ends of a pair of gas pipes, said sleeve members being so constructed and arranged as to be insertable axially into said sockets by shifting the bar towards the gas pipes, and shaped to fit in said sockets, means for holding said members against axial displacement with respect to the bar after

insertion into the sockets, and coupling nipples connected to and depending from the sleeve mem-



bers and provided with means at the lower ends thereof for connection to the tubes of the meter.

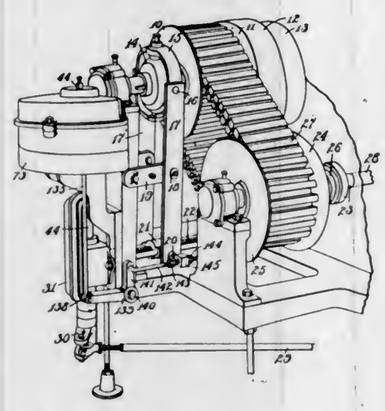
20,309

AUTOMATIC WARP WIND CONTROL FOR SPINNING FRAMES

Paul B. Reeves and Harry E. Brooks, Columbus, Ind., assignors to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana

Original No. 2,065,197, dated December 22, 1936, Serial No. 14,738, April 5, 1935. Application for reissue January 11, 1937, Serial No. 120,885

33 Claims. (Cl. 74—230.17)



1. In a device of the class described, rotating driving means, driven means including a vibrating member, a variable speed transmission operatively connected between said driving means and said driven means, and including an element oppositely shiftable to vary oppositely the speed ratio between said driving means and said driven means, and means controlling said element comprising a member driven by said vibrating member through an oscillatory stroke of constant position, means for translating the oscillatory movement of said last-mentioned member into step-by-step movement of said element in either direction, and means actuated by the oscillatory movement of said last-mentioned member to reverse the directional effect of said last-named means upon said member.

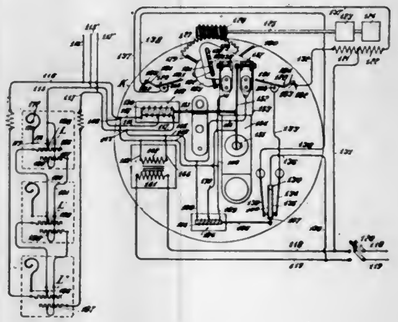
20,310

AVERAGE TEMPERATURE CONTROL MECHANISM FOR HEATING SYSTEMS

Elbert A. Taylor, Arlington Heights, Ill., Millard D. Pence, New York, N. Y., and Clayton A. Dunham, Glencoe, Ill., assignors to C. A. Dunham Company, Marshalltown, Iowa, a corporation of Iowa

Original No. 1,921,172, dated August 8, 1933, Serial No. 585,530, January 8, 1932. Application for reissue February 21, 1935, Serial No. 7,640

11 Claims. (Cl. 236—74)



1. In a temperature control device, the combination of a plurality of control devices each comprising a thermostat, a pair of resistances, a pair of movable contact members one engaging each of the resistances, and means actuated by the thermostat for simultaneously moving the contacts lengthwise of the resistances, a pair of control circuits, the effective portions of all of one set of similar resistances of the several control devices being connected in one circuit, and the effective portions of the other set of resistances being connected in the other circuit, and controlling mechanism governed by the control circuits.

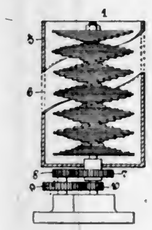
20,311

PICTURE ASSEMBLING APPARATUS FOR TELEVISION RECEIVERS

Franz von Okolicsanyi, Nuremberg, Germany

Original No. 1,923,520, dated August 22, 1933, Serial No. 621,290, July 7, 1932, and in Germany June 27, 1931. Application for reissue August 10, 1935, Serial No. 35,676

5 Claims. (Cl. 178—6)



1. An apparatus for the assembling of pictures in television reception, comprising a mirror screw

consisting of a number of plates having mirror edges, the number of the said plates corresponding to the number of picture lines and all of them being superposed along a rotary axis and being distributed over several helical turns and means for rotating the said mirror screw in combination with a rotary screen consisting of a cylinder adapted to be rotated at a slower speed than the mirror screw to uncover only one of the said plates with mirror edges lying in the same angular position, for the purpose of direct observation of a linear source of light.

PLANT PATENTS

GRANTED MARCH 23, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

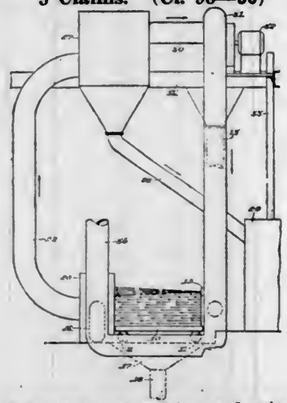
239
CARNATION
John C. Rasmussen, New Albany, Ind., assignor to Louis Alfred Kintzele, Denver, Colo.
Application September 14, 1936, Serial No. 100,766
1 Claim. (Cl. 47—60)

The carnation with qualities in combination as shown and described, characterized particularly by its blossoms of a distinctive Tyrian Rose color; its unusually large size and heavy petalage; its tough and strongly constructed calyx; its exceptionally long and strong stems; and its superior keeping qualities.

PATENTS

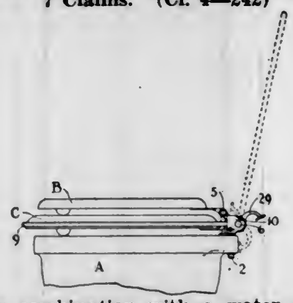
GRANTED MARCH 23, 1937

2,074,317
RECIRCULATING AIR SYSTEM FOR DUST REMOVAL
James R. Allan, Oak Park, and Frank H. Amos, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application June 29, 1934, Serial No. 733,026
5 Claims. (Cl. 98—36)



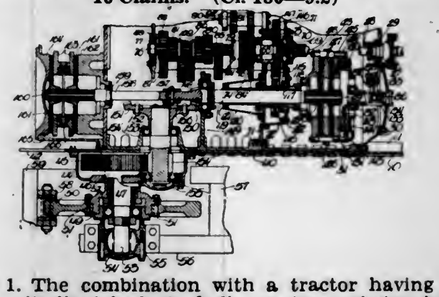
1. A gas system comprising a horizontal platform in the open atmosphere on which an operation is performed producing gases which are to be segregated, a pressure chamber mounted at one side of the platform, means for delivering a thin substantially continuous air jet from the sides and top of said chamber forming thereby an air curtain extending along the sides and above the top of the platform, a receiving chamber positioned alongside the platform opposite the pressure chamber, said chamber being of a size sufficient to receive substantially all of the projected air allowing for its normal expansion from the projected line, and means for withdrawing gases from the receiving chamber.

2,074,318
RETAINER FOR SANITARY TOILET SEAT COVERS
Robert Alexander Bachmann, New York, N. Y.
Application September 29, 1936, Serial No. 103,100
7 Claims. (Cl. 4—242)



1. The combination with a water closet seat and a removable sanitary cover thereon, of a pivotally mounted member in encircling engagement with the edge of the seat below the top surface thereof thereby to retain the cover in position on said seat, means for holding said retaining member in said position, and means automatically operative upon release of said holding means to swing said retaining member on its pivot thereby to release said cover.

2,074,319
STEERING AND DRIVING CONTROL FOR TRACTORS
David B. Baker, Riverside, Clifford R. Rogers, Oak Park, and Norman O. Panzegrau, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application February 24, 1936, Serial No. 65,386
16 Claims. (Cl. 180—9.2)

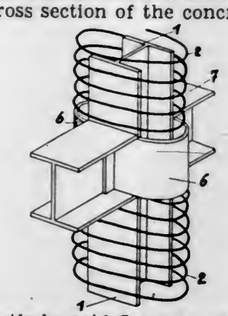


1. The combination with a tractor having a longitudinal body including a transmission box at its rear end having a front wall and side walls, a pair of transversely aligned stub axles respectively carried in the side walls of the box including means for driving opposite traction supports mounting the rear end of the body, a longitudinal shaft journaled in the box at each side thereof and extending the length of said box, each shaft having a driving connection with the adjacent stub axle, a sleeve freely turnable on each shaft, a normally engaged clutch between each sleeve and associated shaft, a change speed gear set located in the box between said two sleeves including a power output shaft carrying a gear, means driving the two sleeves from said gear, a motor on the body having connections for driving the change speed gear set, means for independently controlling the clutches for regulating the drive to said stub axles, and a compartment included in the body in advance of the change speed gear set separate from the transmission box but connected thereto, said clutches being located in said compartment with the shafts and associated sleeves extending at their front ends forwardly through the front wall of the box and into said clutch compartment, said change speed gear set being located rearwardly of the clutch compartment.

2,074,320
COMBINATION WRAPPING
Bruno Bauer, Vienna, Austria
Application June 12, 1933, Serial No. 675,436
In Germany March 20, 1933
7 Claims. (Cl. 72—76)

1. A ferro-concrete column comprising flanged longitudinal irons, and a reinforcing cage of noncircular transverse section contacting the flanges

of the irons, and a concrete enclosure, the load carrying cross section of the concrete being surrounded partly by said flanges and partly by said reinforcing cage.

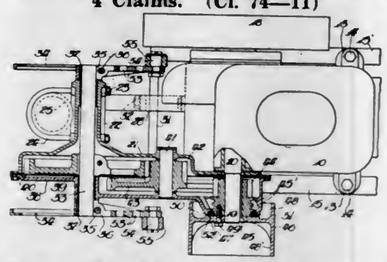


2,074,321

ENGINE PUMP JACK

William O. Bechman, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application October 21, 1935, Serial No. 45,976
4 Claims. (Cl. 74—11)



1. In a combined pump jack and internal combustion engine, the combination of a shaft extending from and driven by said engine, a pinion mounted on said shaft for rotation therewith outside of the engine, a pulley mounted concentric with the shaft and secured to the pinion for rotation therewith, a gear housing mounted on one side of the engine concentric with the shaft to enclose the pinion and to form a lubrication seal with the pulley, said gear housing extending rearwardly beyond the engine, a support between the engine and the housing at its rearward end, a gear mounted for rotation on a second shaft within the gear housing and adapted to be driven by the pinion, a second pinion formed integral with said gear, a third shaft extending through the gear housing, crank-wheels at opposite ends of said third shaft outside of the gear housing, a second gear mounted within the gear housing on said third shaft for rotation therewith and adapted to be driven by the second pinion within the gear housing to form a continuous gear drive from the engine to the crank-wheels.

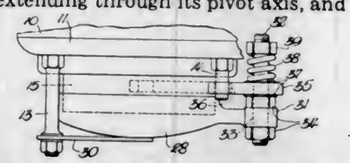
2,074,322

SPARK ADVANCE FOR MAGNETOS

William O. Bechman, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application March 23, 1936, Serial No. 70,250
4 Claims. (Cl. 200—19)

1. A spark advance device for ignition timers which comprises in combination with an ignition breaker mounted for limited angular movement, an adjusting arm extending radially from the breaker, an adjusting member pivotally mounted on an axis parallel to the axis of the breaker, said arm being provided with a slot extending on a radius extending through its pivot axis, and a pin



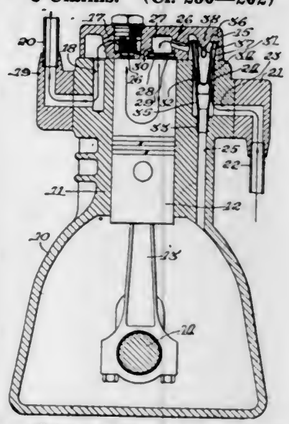
extending through the actuating arm and through said slot, said slot being formed to provide a stop against rotation of the breaker when a predetermined maximum spark advance is reached.

2,074,323

OIL SEPARATOR FOR COMPRESSORS

William F. Borgerd, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application March 13, 1936, Serial No. 68,587
5 Claims. (Cl. 230—202)



1. In a refrigerant compressor the combination of a cylinder block formed with a lubricant separation chamber terminating at the upper surface of the block, an inlet conduit communicating with said chamber, an oil drain conduit communicating with said chamber at the lower end, two concentric conical baffles mounted in spaced relation in the separation chamber and extending above the upper surface of the block, said baffles being formed with staggered openings, a cylinder head mounted over the block, said head being formed with a recess surrounding the upper ends of the conical baffles to provide a space thereabove, and an inlet conduit forming a communication between the recess and the cylinder.

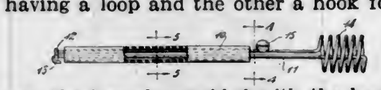
2,074,324

CLIP CONNECTER

William H. Brown, Cleveland, Ohio, assignor to Mueller Electric Company, Cleveland, Ohio, a partnership composed of Ralph S. Mueller, Maude K. Mueller, Virginia de Coningh, and Scott Mueller

Application September 18, 1934, Serial No. 744,556
3 Claims. (Cl. 173—273)

1. An electrical connecter clip comprising an insulating sleeve, a single piece of electrically conductive wire bent to form two branches extending through said sleeve and interconnected exteriorly of one end of said sleeve by an integral coil spring portion, the free ends of said branches extending outwardly of the opposite end of said sleeve and one having a loop and the other a hook formed



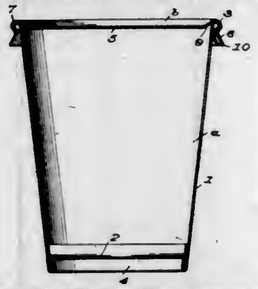
thereon, the branch provided with the hook extending through and guided by said loop, one of said branches being looped around a binding screw whereby an electrical conductor may be connected to the wire.

2,074,325

CONTAINER AND CLOSURE CAP THEREFOR

Herman Carew, Easton, Pa., assignor to Individual Drinking Cup Company, Inc., Easton, Pa., a corporation of Pennsylvania

Application January 11, 1935, Serial No. 1,420
11 Claims. (Cl. 229—5.5)



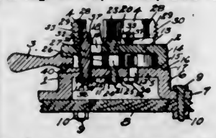
1. The combination with a receptacle having a resilient lip portion formed by beading the upper edge to present an outwardly extending rounded surface projecting laterally of the side of the receptacle, of a closure cap adapted to be applied to the receptacle, said cap including a top portion, a flexible skirt portion depending below the top portion and having circumferentially spaced reinforcements, and an outwardly extending bead connecting the top and skirt portions, the outwardly extending bead forming an interior groove at the junctufe of the top and skirt portions to receive the beaded lip portion of the receptacle.

2,074,326

NOZZLE HOLDER

Horace W. Dawson, United States Army, Fort Lewis, Wash.

Application December 8, 1934, Serial No. 756,583
2 Claims. (Cl. 248—75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



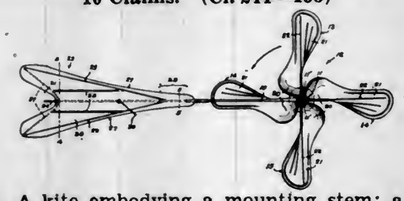
2. A holder for a nozzle comprising in combination a base, a cam member having a pivotal connection with said base, means for oscillating said cam member relative to said base, a plurality of radial slots provided in said cam member and a plurality of arcuate slots in said base, nozzle engaging sectors reciprocally mounted on said cam member, a bolt connected to each of said sectors and mounted in a slot of said cam member and base, and a plurality of springs spirally wrapped around each other, one end of each of said springs secured to said pivotal connection and each of the other ends of said springs being secured to one bolt of said sectors respectively, whereby said sectors are held detachably in engagement with said nozzle.

2,074,327

KITE

Henry J. de Courcy, Seattle, Wash., assignor of one-half to Anton C. Schwarz, Seattle, Wash.

Application July 11, 1933, Serial No. 679,913
10 Claims. (Cl. 244—153)



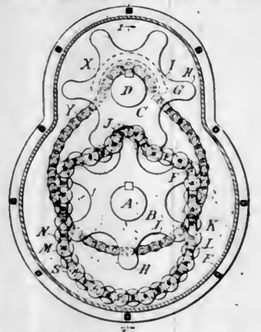
1. A kite embodying a mounting stem; a rotating member having four blades, two of said blades functioning as a sail means, and two of said blades functioning as a stabilizing means; and mounting means for said rotating member secured to said stem.

2,074,328

GEAR DRIVE AND FLEXIBLE ROLLABLE BELT

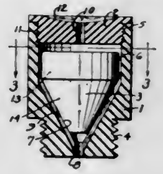
George Holt Fraser, Brooklyn, N. Y.

Application October 25, 1932, Serial No. 639,464
Renewed June 5, 1936
20 Claims. (Cl. 74—189)



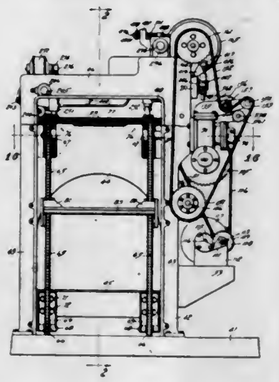
1. In rotary transmission drives, toothed drive and driven members, one rotatable and having circumferentially spaced spur teeth intermeshed with those of the other, for rotatively transmitting torque stress from one to the other of said members, said teeth of each of said members having faces opposed to and spaced from those of the other, for affording a sinuous space between opposed faces of said inter-meshed teeth, and a sinuous compression torque transmission belt, torque transmissive in the direction of its thickness and at right angles to its length and breadth, sinuously extended within the sinuous space between two of said inter-meshed teeth, and movable through said space, and intermediate and in torque stress transmission contact with the opposed faces of two thereof and adapted to transmit torque across said space in said direction and through the thickness of said belt between said opposed faces, for movably drivingly connecting said teeth.

2,074,329
VENT MECHANISM
Earl R. Gieseman, Dayton, Ohio
Application September 30, 1935, Serial No. 42,863
3 Claims. (Cl. 136—178)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A vent mechanism comprising, a body having a cylindrical cavity sealed at one end and a conical cavity in continuation of the open end of said cylindrical cavity, the sealed end of said cylindrical cavity and the apex of said conical cavity, each having a vent hole, and a sealing element having a cylindrical portion and a truncated conical portion with surface elements in respective parallelism with the surface elements of said combined cavities, the over-all length of said cylindrical cavity being greater than the over-all length of the cylindrical portion of said sealing element such that the latter is adapted to have sliding motion within said combined cavities.

2,074,330
SHEET HANDLING AND FEEDING APPARATUS
Victor T. Grover, Irvington, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 22, 1933, Serial No. 690,626
16 Claims. (Cl. 271—31)



1. A sheet handling and feeding apparatus, comprising in combination, an elevator for receiving and raising a stack of sheets, feeding devices for individually removing sheets from said stack, pairs of suction devices arranged over opposite edges of the top sheet, and air blast means cooperating with a pair of suction devices, means for inserting a second stack of sheets into said elevator while the sheets in said first stack are being fed by said feeding means, means for moving said elevator gradually, and means for moving said elevator rapidly.

2,074,331
SOLE AND HEEL FOR FOOTWEAR
Michael R. Haider, Los Angeles, Calif.
Application December 13, 1933, Serial No. 702,218
Renewed June 24, 1935
2 Claims. (Cl. 36—59)

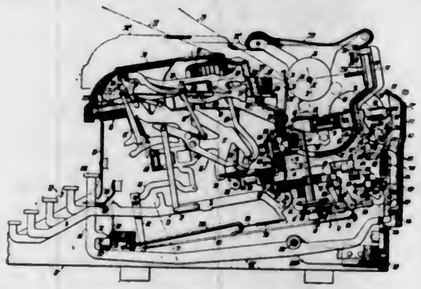


1. In a shoe having a bottom wearing portion provided with a cylindrically shaped socket, a stud having a cylindrical portion fitting in the socket and having an annular shoulder in alignment with the lower surface of the bottom wearing portion with a projection portion above the shoulder, a plate having a perforation for the projecting portion of the stud, the plate engaging the shoulder, and screws attaching the plate to the bottom wearing portion, the stud having a cavity completely enclosed in the stud and located substantially in alignment with the plate.

2,074,332
TRANSPARENT FLEXIBLE FILM
Donald W. Hansen, Decatur, Ill., assignor, by mesne assignments, to Prolamine Products Incorporated, Dover, Del., a corporation of Delaware
No Drawing. Application February 29, 1932
Serial No. 595,960
4 Claims. (Cl. 18—57)

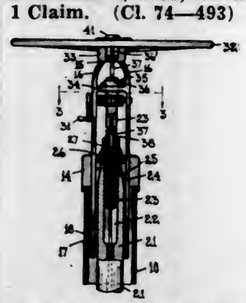
1. A transparent flexible film adapted for the wrapping of packages and for other uses, which comprises a fixed prolamin and di-butyl phthalate as a plastizer, and a transparentizing quantity of tri-ethanolamine.

2,074,333
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 2, 1933, Serial No. 700,646
18 Claims. (Cl. 197—25)



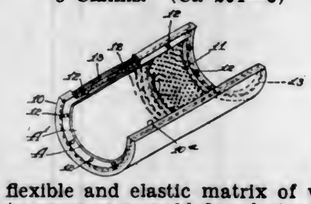
13. A front-strike typewriter of the noiseless class having a row of type-bars mounted to move rearwardly to print upon the front of a revoluble platen, the platen being in rear of and about level with the type-bars, the type-bars forming a unit which is dropped about an axis in rear of the impression point, whereby the type-impressions upon the platen fall on a line which is just below the horizontal plane of the axis thereof; the type-bars being normally below the line of vision from the operative's eye to the typed line on the platen.

2,074,334
ADJUSTABLE STEERING WHEEL
John T. Hughes, Chicago, Ill.
Application December 4, 1935, Serial No. 52,867
1 Claim. (Cl. 74—493)



A steering device for vehicles comprising a stationary hollow mast, a cap journalled on one end thereof and provided with oppositely disposed apertures, a column within the mast secured to said cap, said column provided with a bore, a threaded shaft operatively engaged with the cap and extending into said bore, a bifurcated member provided with a steering wheel, the legs of said member slidably extending through the apertures of the cap for communicating corresponding movements of said wheel to said column, means for communicating steering movements of said column to the wheels of the vehicle, and a worm gear carried by said member and having a driving connection with said shaft for selectively positioning said steering wheel with respect to said cap.

2,074,335
METHOD AND APPARATUS FOR PRODUCING ELECTROTYPE PLATES AND SHELLS
Robert L. Kelley, Sr., Chicago, Ill., assignor, by mesne assignments, to Vulcan Proofing Company, Inc., a corporation of New York
Application June 13, 1931, Serial No. 544,171
Renewed May 28, 1936
5 Claims. (Cl. 204—6)

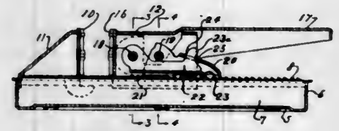


1. A flexible and elastic matrix of vulcanized rubber to serve as a mold for electrodeposition, bearing in one face the reversed impression of a desired printing face with the bottom areas of said impression lying substantially in a common plane, said matrix, due to its elasticity, being adapted to have electrolytic deposits made upon its said face repeatedly and stripped therefrom without injury to the matrix or to the electrotype shells thus formed.

2,074,336
CELLULOSIC PELLICLE AND METHOD FOR PREPARING SAME
Frederick C. King, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 18, 1934, Serial No. 740,525
12 Claims. (Cl. 18—57)

1. In a method for the production of transparent, flexible, durable pellicles the steps comprising forming a thin pellicle from an aqueous alkaline cellulosic dispersion and coagulating the same in an acid coagulating bath, and treating said pellicle with a solution containing, as a softener for said pellicle, a water-soluble amide which is solid at room temperature and a substance taken from the group consisting of glycerol, ethylene glycol, diethylene glycol and triethylene glycol.

2,074,337
NUTCRACKER
Grace M. Krag, Chicago, Ill.
Application August 5, 1935, Serial No. 34,783
1 Claim. (Cl. 146—16)



A nut cracker comprising a support, a jaw fixed adjacent one end of the support, a second jaw slidably mounted on the support, a handle pivoted with reference to the second jaw, a rack fixed with reference to the support and paralleled therewith, a first pawl pivoted with reference to the handle and adapted to coact with the rack when the handle is lowered, the pawl having an opening therethrough, means for moving the pawl from coaction with the rack when the handle is raised, a second pawl pivoted with reference to the handle and coacting with the rack when the handle is lowered, a finger fixed to the second pawl and projecting through the opening and adjacent the edge of the opening, whereby when the first pawl is raised the finger will strike the said edge and will be elevated thus elevating the second pawl away from the rack.

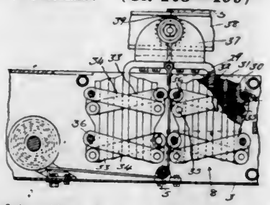
2,074,338
LUBRICATING OILS
Bert H. Lincoln, and Alfred Henriksen, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application May 12, 1932, Serial No. 610,988
12 Claims. (Cl. 87—9)

1. A lubricant comprising in combination a mineral oil and a small percentage of a halogenated higher fatty acid of the aliphatic series.

2,074,339
PREPARATION OF CELLULOSIC MATERIAL
George W. Miles, Boston, Mass., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 13, 1934, Serial No. 715,302
7 Claims. (Cl. 92—9)

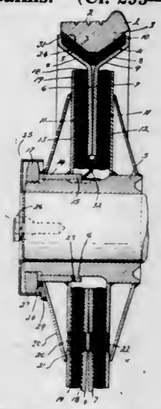
1. Process for the manufacture of cellulose from natural cellulosic materials, which comprises converting the noncellulosic constituents of the materials into compounds soluble in a dilute alkali solution by heating with nitric acid of concentration less than 10% to a temperature below the boiling point of the acid and removing the said compounds by solution in a hot dilute solution of an alkaline hypochlorite.

2,074,340
VEHICLE SPRINGING SYSTEM
Emil H. Piron, Highland Park, Mich., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y., a corporation of New York
Application April 17, 1933, Serial No. 666,607
7 Claims. (Cl. 105—199)



1. In combination in a rail vehicle, a truck, a body for said truck, a springing system for said body comprising a resilient center support and side springs, said side springs comprising rubber and means for transmitting the loading of the car body to said rubber partially in shear and partially in compression, and means for predeterminately proportioning the amount of said loading borne in shear to that borne in compression to impart a substantially constant period of rolling oscillation to said body irrespective of the variation in static loading thereon.

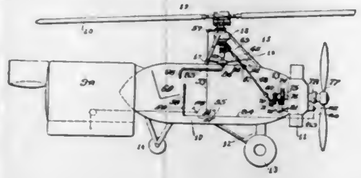
2,074,341
WHEEL
Emil H. Piron, Detroit, Mich., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y., a corporation of New York
Application April 9, 1934, Serial No. 719,759
11 Claims. (Cl. 295—11)



1. In a wheel for rail vehicles, a rim of U or V shape in cross section, a metallic tire on said rim, a resilient cushioning material between said tire and said rim adapted to receive the loading of said rim largely in compression, said material being installed under initial compression, and yielding means for maintaining said material under substantial continuous compression.

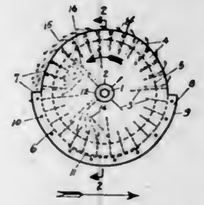
2,074,342
AIRCRAFT
Haviland H. Platt, New York, N. Y., assignor to Frederick W. Wilkening, Philadelphia, Pa.
Application September 20, 1933, Serial No. 690,212
6 Claims. (Cl. 244—17)

1. In an aircraft, in combination with a fuselage, a rotor having variable pitch blades; said rotor being adapted to be tilted in relation to the fuselage, a source of power, means for engaging and disengaging said rotor and said source of power at the will of the operator, and an anti-



torque surface carried by the fuselage adapted to be acted upon by the slip-stream of the rotor, and means for varying the effectiveness of said anti-torque surface.

2,074,343
ATMOSPHERIC PRESSURE DE-EQUALIZER OR MECHANICAL BALLOON FOR USE IN GIVING BUOYANCY TO AIR VEHICLES
Otto Karl Quast, Spokane, Wash.
Application March 2, 1935, Serial No. 9,102
6 Claims. (Cl. 170—141)

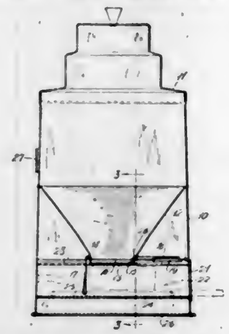


1. A propeller comprising a stationary housing composed of a semi-annular bottom, two disk-like side walls attached to said semi-annular bottom, bearings disposed centrally in said walls of said stationary housing, and comprising a rotatable air-eliminator that functions in said stationary housing and is made up of a drive shaft and a hub, and of two blade holders that in diameter are less than the diameter of said stationary housing and one of which thereof is attached to each end of said hub, and of blades disposed radially and properly spaced between said blade holders with part of said blades extending beyond the outer rim of said blade holders so as to make a close contact between said blades and said walls of said stationary housing and the outer ends thereof with the upper surface of said semi-annular bottom of said stationary housing.

2,074,344
DISPENSER FOR TOOTH POWDER AND THE LIKE
Maurice H. Sacharow, Cleveland Heights, Ohio
Application December 17, 1934, Serial No. 757,803
Renewed June 11, 1936
8 Claims. (Cl. 221—114)

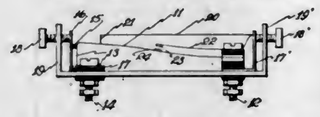
8. In a dispensing device for tooth powder and the like, a container having a portion adapted to receive a quantity of powder, a shelf at the bottom of said portion, a scraper movable thereover, a passageway extending from the exterior of the container beneath the shelf, a member connected to the scraper and extending therefrom

into the passageway and engageable by a brush as it is inserted in the passageway, and means



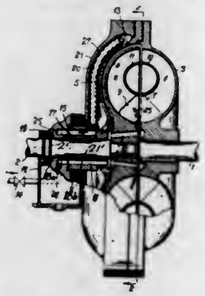
for automatically restoring the scraper to its former position when the brush is retracted.

2,074,345
SWITCH
Joseph Schmidinger, Long Island City, N. Y.
Application February 9, 1934, Serial No. 710,408
Renewed June 11, 1936
22 Claims. (Cl. 200—113)



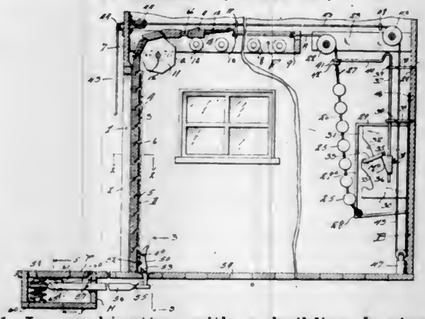
1. In a device of the character described, the combination comprising constrained means arranged to assume oppositely bowed positions of equilibrium and adapted for normally being in one predetermined position of equilibrium and when stressed for moving into the other equilibrium position, thermo-responsive means directly secured to said constrained means and adapted under certain conditions for stressing said constrained means, and means adapted for altering the temperature of said thermo-responsive means whereby said constrained means constantly moves from one position of equilibrium to another.

2,074,346
HYDRAULIC COUPLING
Harold Sinclair, Surbiton Hill, England
Application October 1, 1932, Serial No. 635,795
In Great Britain October 6, 1931
21 Claims. (Cl. 60—54)



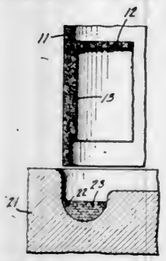
1. A hydraulic coupling of the kinetic type, comprising an annular hydraulic working circuit having a boundary following smooth-flowing lines, and having a liquid inlet, a liquid outlet, and means for effecting a substantial reduction in the quantity of liquid in the coupling at will while the coupling is operating, said smooth boundary having a discontinuity adapted to impede the circulation of a shallow high velocity liquid vortex in said circuit when the coupling is partially filled, but offer a relatively slight obstruction to the normal circulation of the liquid vortex when the coupling is substantially filled.

2,074,347
OVERHEAD GARAGE DOOR
Albert Steiner, Eureka, Mont.
Application January 9, 1936, Serial No. 58,391
10 Claims. (Cl. 20—20)



1. In combination with a building having a door opening in a wall thereof, a door for said opening, means for supporting the door for movement into open or closed position, a series of flexibly connected weights operatively engaged with the door for moving the door into open position, means for selectively suspending at different heights the outer portion of the flexibly connected weights independently of their connection with the door after the door is in open position to reduce the pull of the weights on the door to facilitate the moving of the door into closed position, and means for freeing the weights from said suspending means before the door reaches fully closed position.

2,074,348
METHOD OF TREATING FIBER CAN PARTS
Charles Waldo Stewart, River Forest, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 14, 1935, Serial No. 36,240
10 Claims. (Cl. 93—36.5)

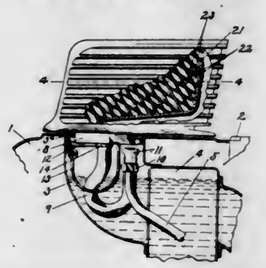


1. The method of producing a fiberboard liquid proof reinforced container, which comprises immersing the partially formed fiberboard container in a liquid proofing material, and simultaneously shaping the impregnated fiberboard while it is immersed in said material.

2,074,349
CELLULOSIC PELLICLES AND METHOD FOR PREPARING SAME
William Frederick Underwood, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 18, 1934, Serial No. 740,531
14 Claims. (Cl. 18—57)

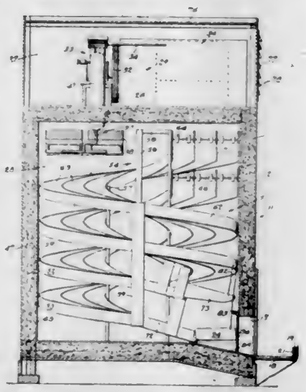
1. A cellulosic pellicle capable of being produced from an aqueous alkaline cellulosic dispersion coagulated in an acid coagulating bath containing a water-soluble amide which is solid at room temperature as a softener therefor.

2,074,350
VAPOR CONDENSING DEVICE
Everett N. Wood, Mason City, Iowa
Application March 22, 1935, Serial No. 12,427
9 Claims. (Cl. 257—25)



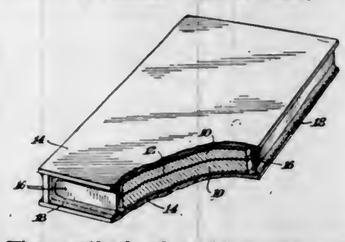
1. A vapor condensing device comprising a body provided with a series of criss-crossing baffling elements to produce a tortuous passage for the movement therein of the vapors to be condensed, and cooling means on the body for absorbing heat.

2,074,351
ICE VENDING MACHINE
Maxwell T. Zeigler, Huntington Park, Calif., assignor, by mesne assignments, to Zeigler Packaged Ice Machinery Corporation, Huntington Park, Calif., a corporation of California
Application April 10, 1931, Serial No. 529,105
Renewed February 20, 1934
24 Claims. (Cl. 312—35)



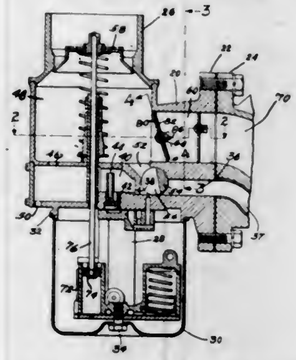
16. In a dispensing mechanism, a housing having an egress opening common to a plurality of chutes, a plurality of inclined chutes in the housing upon which a plurality of articles to be dispensed are adapted to be stored, motor driven escapement means for releasing articles one at a time from the chutes to be passed through the opening, and means engageable by an article passing from a chute through the opening for causing the motor driven means to stop.

2,074,352
METHOD OF MAKING COMPOSITE METAL ARTICLES
Percy A. E. Armstrong, Westport, Conn.
Application July 11, 1936, Serial No. 90,103
4 Claims. (Cl. 29—189)



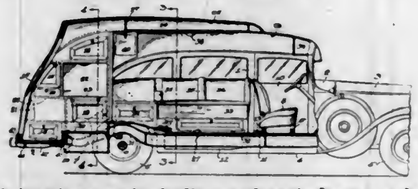
1. The method of making composite metal articles which comprises attaching together two metal plates with a layer of separating material between them, enclosing such assembly in a casing of ferrous metal which substantially entirely surrounds such assembly and encloses the same but is not substantially attached to the assembly members, arranging such casing in an ingot mold, pouring ferrous metal around the same, whereby the casing members are heated rapidly while the enclosed assembly is withdrawing relatively little heat from the casing by conduction, and thereafter subjecting the ingot to hot working, trimming and separating.

2,074,353
CHARGE FORMING DEVICE
Fred E. Aseltine, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 9, 1931, Serial No. 549,644
12 Claims. (Cl. 277—4)



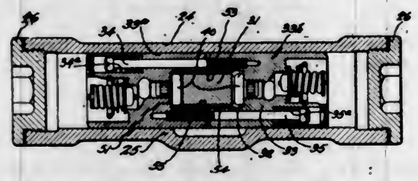
1. In a carburetor, a throttle valve comprising a rotatably mounted valve supporting shaft, a slot in said shaft, a plurality of disks received within said slot and adjustable relatively to the shaft, whereby the throttling effect of said valve for any given position of said shaft may be varied.

2,074,354
TOURING CAR
Charles S. Ash, Birmingham, Mich.
Application August 12, 1933, Serial No. 684,804
1 Claim. (Cl. 296—23)



A touring car including a chassis frame, a body of reduced overall height and dropped rear section mounted upon said frame and formed with a rear entrance and an aisle extending forwardly from said rear entrance in said rear portion of said body, a floor for said aisle having a raised portion extending over said axle and a movable portion forming the movable tread of a step leading to said raised portion, the distance between said movable portion and the roof of said aisle being insufficient for erect posture by an adult occupant, a well beneath the movable portion of said floor and the bottom of which is below the plane of said floor rearwardly of said axle, whereby head room is provided for a person standing in said well.

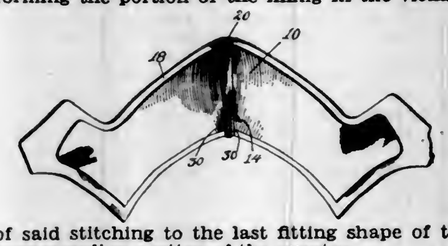
2,074,355
SHOCK ABSORBER
Ralph I. Bates, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 15, 1936, Serial No. 85,289
5 Claims. (Cl. 188—88)



1. In a shock absorber having a casing providing a cylinder, the combination with an operating cam oscillatably supported in the casing, of a piston in said cylinder, having a recess into which said operating cam extends, said piston being adapted to be reciprocated by said cam; and yieldable means interposed between and engaging the cam and piston for resisting rotation of the piston.

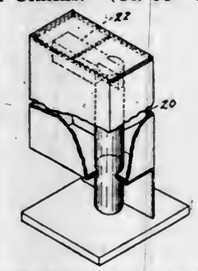
2,074,356
MANUFACTURE OF SHOE UPPERS
Charles A. Bearce, North Adams, and Harold L. Sawyer, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 31, 1934, Serial No. 759,892
7 Claims. (Cl. 12—146)

1. That improvement in methods of making shoe upper quarters of that type wherein the quarter comprises two members the rear edge portions of which are convexly curved and united by a back seam so that the seamed portion of the quarter is shaped to fit the heightwise curve at the back of a last, which consists in stitching a one-piece quarter lining to said quarter along parallel lines located at opposite sides of and in close proximity to said back seam thereby conforming the portion of the lining in the vicinity



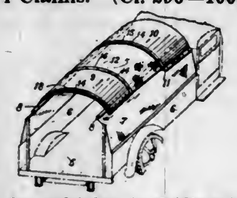
of said stitching to the last fitting shape of the corresponding portion of the quarter.

2,074,357
CARTON AND METHOD OF MANUFACTURING SAME
Samuel Bergstein, Cincinnati, Ohio
Application April 7, 1933, Serial No. 664,948
11 Claims. (Cl. 93—3)



1. The method of preparing a carton with the contents therein which consists in providing a carton having some of the end closure flaps thereof provided with an opening, said flaps being adapted to be folded over and sealed to form an imperforate barrier with the exception of the opening, said carton having a closure flap at the end noted having the opening, which is imperforate, forming up and sealing the first noted flaps having the opening on an internal support, then inverting the carton and inserting an internal support through the opening, and sealing closure flaps at the other end of the carton on said support, then reinverting the carton and inserting the goods to be packaged therein through the opening, and subsequently folding down and sealing the second noted closure flap.

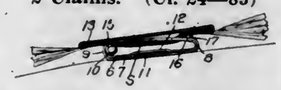
2,074,358
VEHICLE COVER
Edward Carl Bixel, West Orange, and Temple Clifford Smith, Westfield, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application December 10, 1935, Serial No. 53,776
4 Claims. (Cl. 296—100)



1. A cover for vehicles, including two rigid sections of similar curvilinear formation, one of which is movable and the other fixed, a flexible

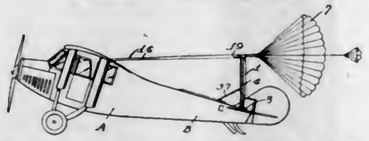
section interconnecting the adjacent edges of said rigid sections, a guide rail extending longitudinally on each side of the vehicle, said movable section being movable along said guide rails into two positions, one of which is telescoped with respect to the fixed section, and the other extended from said fixed section, said flexible section being of the same curvilinear formation when said rigid sections are in the extended position and being of the same curvilinear formation, when said flexible section is lying between the adjacent faces of the two rigid sections in telescoped position with its surfaces reversed.

2,074,359
LINGERIE PIN
Bernice L. Blake, Oak Park, Ill.
Application June 24, 1935, Serial No. 28,165
2 Claims. (Cl. 24—85)



1. An article of the character described comprising a flat metallic strip folded upon itself to provide a pair of clasp portions with an elongated space therebetween for slidably holding a garment supporting strap, the free ends of said clasp portions being similarly bent to engage with each other and provide a securing device for holding said portions in clasped relation, a fastening pin formed continuous with one of said clasp members, and the folded parts of both clasp portions being bent to provide a detent and guard for the point of the pin, substantially as set forth.

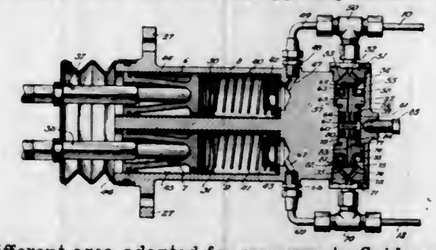
2,074,360
BRAKE FOR AIRPLANES
Overton M. Bounds, Oklahoma City, Okla.
Application August 25, 1930, Serial No. 477,543
Renewed November 27, 1934
9 Claims. (Cl. 244—113)



1. An airplane, a mast carried by the tail structure of the airplane, a parachute carried by the mast, a connection between a wing of said airplane and said mast, whereby stresses incident to operation of the parachute will be carried by said wing, said mast being pivoted to the tail structure, and means for raising and lowering the mast.

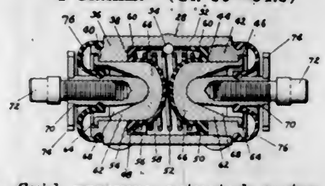
2,074,361
EQUALIZED HYDRAULIC BRAKE
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application January 14, 1932, Serial No. 586,474
12 Claims. (Cl. 60—54.5)

1. In a hydraulic brake system of the class described, the combination of a compression cylinder, a motor cylinder, a conduit connecting said cylinders, a second compression cylinder, a second motor cylinder, a second conduit connecting said second cylinders, said compression cylinders being operable to create fluid pressure in said conduits and motor cylinders, an equalizing mechanism connecting said conduits for fluid communication therebetween, said mechanism including a pair of valves controlling communication between said conduits, each valve having opposing surfaces of



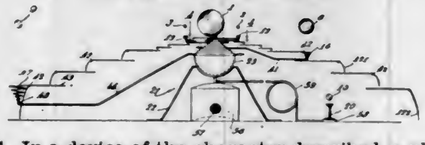
different area adapted for exposure to fluid pressure, and fluid supply means for said compression cylinders.

2,074,362
FLUID PRESSURE ACTUATED MOTOR
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application December 14, 1935, Serial No. 54,524
4 Claims. (Cl. 60—54.6)



1. A fluid pressure actuated motor comprising a cylinder having an internal shoulder, a flexible cup seated on the shoulder having a central dome and a marginal flange providing a continuous groove, a spring seated in the groove for retaining the cup against displacement, and a piston reciprocable in the cylinder having its head seated in the dome.

2,074,363
ASTRONOMICAL TOY
Richard J. Burke, Altadena, Calif.
Application May 17, 1933, Serial No. 671,487
Renewed January 2, 1937
22 Claims. (Cl. 35—45)



1. In a device of the character described, a plurality of supporting members revolubly mounted for rotation about a common axis, an arm extending from each of said supporting members, a nozzle carried by each of said arms and adapted to direct its jet upwards, a body adapted to be supported in each of said jets, means on each of said bodies identifying it as a representation of a celestial object, and means for supplying said nozzles with gas under pressure.

2,074,364
CURLING IRON
Elias Clein, Brooklyn, N. Y.
Application March 15, 1935, Serial No. 11,185
4 Claims. (Cl. 132—37)

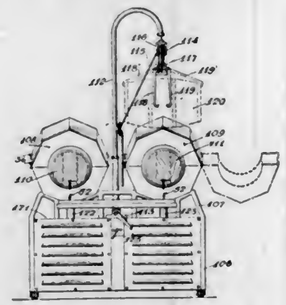
1. In a curling iron, the combination of a straight solid metal mandrel having a groove

disposed in its surface and a handle at one end, an angular hair clamping member pivoted on and movable to and from the mandrel, and a spring



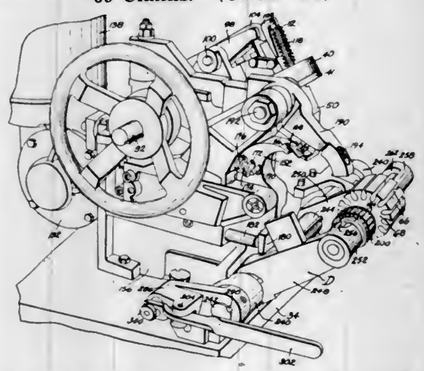
arranged in the groove and disposed under tension to engage and hold the clamping member into engagement with the mandrel.

2,074,365
COOLING AND DISPENSING APPARATUS FOR KEGS
Edward C. Clifford, Sand Lake, N. Y.
Application August 11, 1934, Serial No. 739,459
12 Claims. (Cl. 225—40)



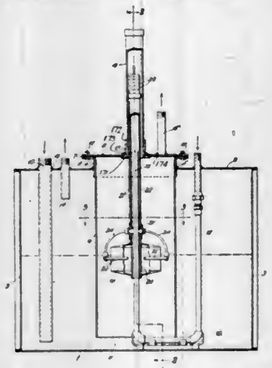
9. A self-contained supporting and cooling device for barrels comprising, in combination, two casings each adapted to receive and surround partially at least, the peripheral surface of a barrel, a network of conduits within each casing, adjacent the surface of a barrel housed therein, the two networks of conduits being interconnected, means within said structure for circulating cooling medium, connections between said circulating means and said networks of conduits, a carbon dioxide container associated with said structure, a tubular discharge outlet therefor, valve means, inserted in said connections and discharge outlet, for selectively determining the sequence of flow of said cooling medium through said two networks of conduits, and for connecting said discharge outlet to the barrel housed within the casing through the network of conduits of which the cooling medium is caused to flow first, and means, mounted on said structure for hoisting and handling barrels to be placed within said casings, or removed therefrom.

2,074,366
ARMATURE ASSEMBLING MACHINE
Edward W. Collins, Lora E. Poole, and Charles A. Nichols, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 15, 1934, Serial No. 744,152
69 Claims. (Cl. 29—84)



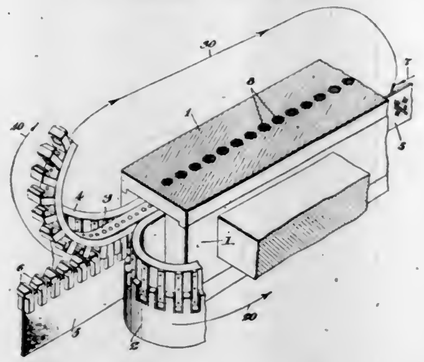
1. In a coil positioning machine, the combination of a support for an armature assembly including a slotted core and a commutator; and a movable member for receiving and angularly displacing the linearly emerging lead of a coil side in a core slot into alignment with a commutator segment to be connected thereto.

2,074,367
CARBURETOR
John H. Cordes, St. Louis, Mo., assignor to Adelia M. Cordes, St. Louis, Mo.
Application February 10, 1934, Serial No. 710,624
6 Claims. (Cl. 261—120)



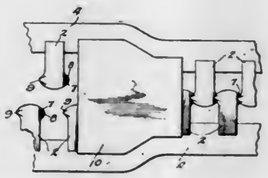
1. A carburetor comprising a tank adapted to contain a volatile fluid, a shell extending downwardly into said tank and having its lower end open to admit fluid from said tank into said shell, a float device mounted in said shell for vertical operation by the fluid therein, an air spray device supported by said float device below the level of the fluid that will support said float device, a pipe extending upwardly into said shell for discharging air into said shell, and a vent tube extending downwardly into said tank below the upper end of said pipe and constituting a guard or gage to prevent fluid from rising in said tank and in said shell above a predetermined point on said pipe.

2,074,368
APPARATUS FOR MAKING SLIDE FASTENERS
George H. C. Corner, Birmingham, England, assignor to Hookless Fastener Company, a corporation of Pennsylvania
Application December 5, 1932, Serial No. 645,740
In Great Britain December 9, 1931
2 Claims. (Cl. 18—42)



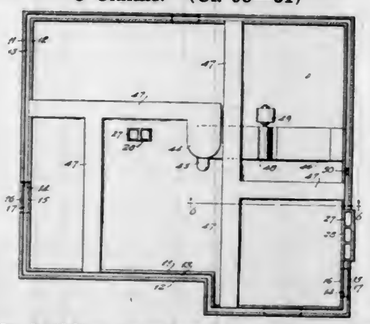
1. Apparatus for making fastener stringers of the kind having fastener elements secured in uniformly spaced relation on the edge of a flexible tape, comprising a die holder having a guideway, continuous series of flexibly connected die sections slidably mounted in said guideway and having cavities shaped to receive a flexible tape and to define mold chambers around the flexible tape for fastener elements, means for supplying moldable material to said mold cavities, and means for connecting the sections of each series to maintain them in uniformly spaced relation.

2,074,369
FLEXIBLE FASTENER
Sverre Quisling, Madison, Wis., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application March 12, 1934, Serial No. 715,210
3 Claims. (Cl. 24—205)



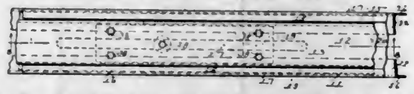
1. A separable fastener of the class described comprising a pair of flexible stringers, cooperating series of interlocking members arranged on said stringers in staggered relation, said interlocking members each comprising a generally flat piece of rigid material formed at one end to provide attachment means for securing it to the stringer, said piece of rigid material lying in a plane parallel to the stringer and projecting outwardly from the edge of the stringer, the projecting end having an eye formed on one side edge adapted to receive a projecting hook of an adjacent member and a projecting hook formed on the other side edge adapted to enter in the eye of an adjacent member.

2,074,370
AIR CONDITIONING AND VENTILATION OF HOUSES
William C. Coulton, Medford, Mass., assignor, by mesne assignments, of one-eighth to Albert A. Stearns, Brooklyn, N. Y., and Benjamin Lichterman, New York, N. Y.
Application April 16, 1935, Serial No. 16,727
5 Claims. (Cl. 98—31)



1. In building construction, a double outside wall including an outer wall, an inner wall composed at least in part of moisture absorptive material on the side facing said outer wall, the remainder of said inner wall being impervious to moisture, said inner wall being spaced from the outer wall to provide an air circulation space between the walls, means to admit atmospheric air to the lower part of the space between said walls, means to permit air to pass from said space into the interior of the building, means to draw air from said circulation space, and means to heat the drawn off air and return it to the air space between said walls.

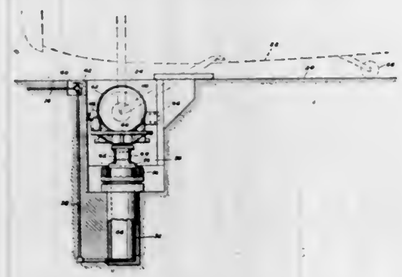
2,074,371
DRAWER GUIDE
James Cummings, Muskegon Heights, and Edgar H. Sheldon, Muskegon, Mich., assignors to E. H. Sheldon and Company, Muskegon, Mich., a corporation of Michigan
Application September 9, 1935, Serial No. 39,718
2 Claims. (Cl. 45—77)



1. In a structure including a frame and a drawer, a drawer guide comprising: a pair of members mounted on the frame and on the bottom of the drawer respectively each having a flat medial portion, the member which is mounted on the drawer having opposite lateral portions each extending vertically downwardly to space said medial portions apart and then extending horizontally outwardly and the member which is mounted on the frame having opposite lateral portions each extending vertically upwardly at the edge of the adjacent horizontally extending portion of the member mounted on the drawer and then extending horizontally inwardly thereover to connect said members in sliding relation and to hold their medial portions in vertically spaced relation; and a third member extending in the space between the first mentioned and the second mentioned members, parallelly therewith, comprising connected upper and lower plates with spaced portions having pairs of holes therethrough the holes of each pair being adjacent the lateral edges respectively

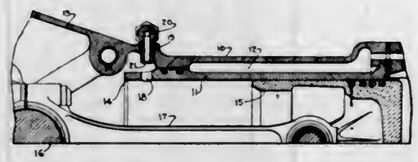
of said third member, and balls held between said spaced portions of the third member bearing in the holes and extending outwardly therefrom into rolling contact with said flat medial portions respectively.

2,074,372
TESTING APPARATUS
Marion M. Cunningham, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 9, 1934, Serial No. 734,396
9 Claims. (Cl. 265—25)



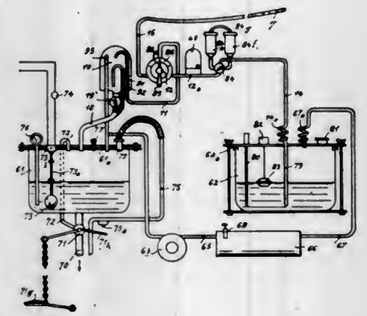
1. A brake testing device comprising a drum adapted to receive therein a vehicle wheel, said drum being of a diameter only slightly in excess of the wheel diameter, roller supporting means for said drum contacting the outer surface thereof, means independent of the vehicle wheel and the supporting means to rotate the drum against the resistance of a brake applied to said vehicle wheel, and means for measuring the turning torque.

2,074,373
LUBRICATING SYSTEM
Frederick E. Dayes, Philadelphia, Pa., assignor to American Car and Foundry Motors Company, New York, N. Y., a corporation of Delaware
Application August 9, 1933, Serial No. 684,336
6 Claims. (Cl. 184—18)



3. In an internal combustion engine, a crank case, a cylinder block secured to the crank case, a cylinder sleeve within the cylinder block having one end portion extended into the crank case and provided with an opening therethrough arranged substantially at the juncture of the crank case and cylinder block, a piston having piston rings and reciprocable in said sleeve to a point where the rear portion thereof extends within the crank case and beyond the end portion of the sleeve, and means for supplying lubricant directly to the piston portions remote from the rings and between the piston and sleeve comprising a lubricant fitting extending through the cylinder block in alinement with the opening in said sleeve, said fitting being connected with a relatively high pressure source of lubricant supply, the fitting having the end thereof spaced from said opening and in direct communication with the crank case so as to permit the feeding of lubricant to the piston at substantially atmospheric pressure.

2,074,374
APPARATUS FOR INTESTINAL IRRIGATIONS
Fernand François Dominique Suarez de Mendoza, Paris, France
Application November 21, 1934, Serial No. 754,159
In France November 21, 1933
11 Claims. (Cl. 128—227)

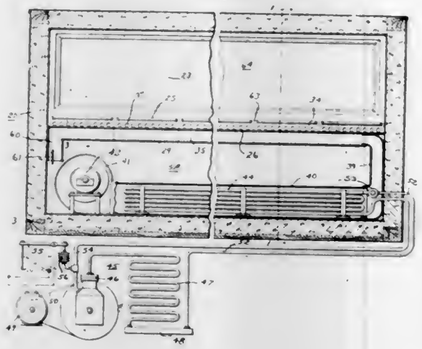


2. In apparatus for intestinal irrigation, a liquid supply reservoir, a receiving reservoir, a liquid transferring conduit connecting said reservoirs, a second conduit connecting said reservoirs above the liquid levels therein, means in said second conduit for establishing a positive pressure within said supply reservoir and a negative pressure in said receiving reservoir, a three-way cock in said liquid transferring conduit, a probe connected to said three-way cock to be set by said cock into communication with either said liquid supply reservoir or said receiving reservoir as desired, and a distributor of vaccine or medicamental solution, preceding the three-way cock and comprising two ampullas attached to two vertical nozzles of a four-way cock connected with its other two nozzles to the receptacle under pressure and to the three-way cock, said ampullas being air-tight and being connected together by means of a tube passing through their covers, said four-way cock serving to permit using the liquid under pressure for chasing air from the first said ampulla and to act by this air under pressure upon the medicamental solution contained in the second ampulla in order to expel this solution towards the three-way cock and the probe, to permit the injection of a medicament at any moment of the treatment without mixing it with the washing water.

2,074,375
REFRIGERATING APPARATUS
Herman J. Dick, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application March 23, 1932, Serial No. 600,799
Renewed May 18, 1934
18 Claims. (Cl. 62—89.5)

1. An insulated refrigerator display cabinet including duct means having a horizontal portion within the cabinet intermediate the top and bottom thereof dividing said cabinet into an upper and a lower compartment, means for withdrawing air from the lower compartment and supply-

ing air to said duct means, refrigerating means for cooling said air, said duct means having a plurality of distributed apertures therein from end to end of its horizontal portion for discharging the cooled air into the upper compartment, said duct means also having means for discharg-



ing the cooled air into said lower compartment and being spaced from one wall of the cabinet to provide a restricted circulation between the compartments, and means for controlling the discharge of the cooled air into said upper and lower compartments to vary the temperature and circulation of the air within said compartments.

2,074,376

METHOD OF DECORATING EGGS

Frances Dorcey, Milwaukee, Wis.

Application April 29, 1935, Serial No. 18,912

4 Claims. (Cl. 41—26)



1. The method of decorating eggs, which comprises, applying a layer of differently colored wax chips to the egg shell in the presence of sufficient heat to cause the chips to adhere to the shell and to provide a mottled continuous coating of substantial thickness.

2,074,377

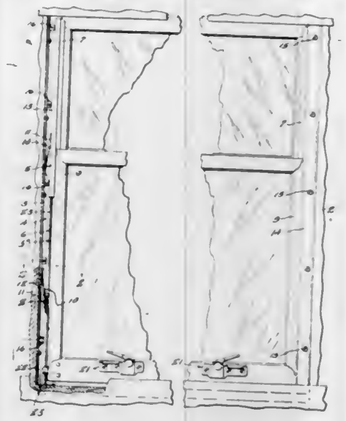
WINDOW AND SASH CONSTRUCTION

Oliver M. Edwards, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York

Application April 10, 1935, Serial No. 15,649

3 Claims. (Cl. 189—73)

2. In a window sash construction, a frame formed with a channel on one side thereof and including a strip forming one side of the channel, a sash guide member carried by the frame and having a base portion in the channel, the guide member being adjustable edgewise in the channel, means for automatically adjusting the guide member including a spring pivoted to the guide member and arranged to be shifted on its pivot from a position out of the channel into the channel when the strip is removed, and means for



clamping the strip in position against the guide member and holding it in its adjusted position.

2,074,378

COSMETIC MAKE-UP DEVICE

Julia Elkins, New York, N. Y.

Application August 16, 1934, Serial No. 740,116

3 Claims. (Cl. 88—97)



1. A device comprising a frame for encompassing the rear, side and front edge portions of a glass mirror, the edge portions of the frame adapted to be out of contact with the glass and converging toward the front to form a hollow space between said edge portions of the frame and the edge portions of the glass, a support for the frame consisting of a hollow base section flaring outwardly toward the frame and having forward edge portions bent convergently in a direction toward the front of the frame and in contiguous relation to the edge portions of said frame in such a manner that the frame is retained in fixed relation with respect to the base section, while maintaining the spacing between the edge portions of the glass and its frame, one of said edge portions and a portion on said hollow base section spaced from said edge portion forming points of contact for said frame with a horizontal surface upon which said frame is placed with the face of the mirror in tilted position, one of the end walls of the support being apertured, a holder for a stabilizing medium seated within said aperture and in the hollow space of the support and contacting with the rear surface of the frame, and at least partially maintained by such contact in proper position within the support, said holder being so located relative to the points of contact that when a stabilizing medium is inserted in said holder the center of gravity of the device is located in a vertical plane between the two points of contact, whereby the device is prevented from tilting.

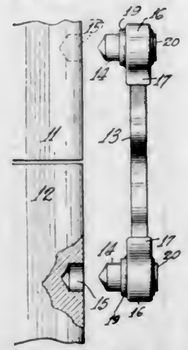
2,074,379

ELECTRIC RAIL BOND

Edward A. Everett, Long Island City, N. Y.

Application November 7, 1932, Serial No. 641,596

18 Claims. (Cl. 173—280)



1. In combination, a rail having a bottomed hole, a bond comprising a conductor, a terminal having a socket for said conductor and having an eye of the same diameter as the rail hole and a plug substantially larger in diameter than the depth of the rail hole driven through said eye with a driving fit into the rail hole.

2,074,380

ANTIFOAMING AGENTS

Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application March 8, 1935, Serial No. 10,033

18 Claims. (Cl. 8—6)

1. The method of inhibiting the foaming of an aqueous liquid having a tendency to foam, which comprises incorporating therewith a small quantity of a liquid amine substantially insoluble in water and having the following general formula

$$R_1-N(R_2)-R_3$$

wherein R_1 represents an alkyl, aryl, or aralkyl group, and R_2 and R_3 each represents hydrogen, an alkyl group, or an aralkyl group.

2,074,381

BROMINATED PYRANTHRONES AND METHOD OF MAKING

Maurice H. Fleysher and James Ogilvie, Buffalo, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application October 24, 1934, Serial No. 749,824

10 Claims. (Cl. 260—61)

6. The method of brominating a member of the group consisting of pyranthrone and lower brompyranthrones, which comprises subjecting the pyranthrone to the action of bromine in a reaction medium comprising chlorsulfonic acid, sulfuric acid, iodine, and an anhydrous boron compound dissolved therein.

9. A brompyranthrone containing from about 35% to about 44% bromine and from about 0.3% to about 1.5% chlorine, being obtainable by the process of claim 6, and being a dark brown powder of metallic lustre soluble in aqueous alkaline hydrosulfite to yield a clear solution.

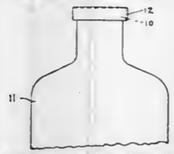
2,074,382

METHOD FOR TREATING POURING ORIFICES FOR DRIP-FREE CONTAINERS

Robert E. Ford, Minneapolis, Minn., assignor to Luther Ford & Company, a co-partnership, composed of Allyn K. Ford and Robert E. Ford, Minneapolis, Minn.

Application July 15, 1933, Serial No. 680,598

7 Claims. (Cl. 91—70)



1. A process of preparing liquid containers having pouring orifices so as to render them non-dripping, which consists in melting and heating a liquid-repellant material having capability of solidifying on a surface in extremely thin and strongly adherent films, introducing the edges of the pouring orifice into said heated liquid-repellant material, retaining said edges in said liquid-repellant material until adjacent parts of the container are heated to a temperature above the melting point of said heated material, subsequently withdrawing said edges from the melted material, causing excess of said material to be removed therefrom, and cooling the material on the top and outside of said rim until it forms a hard, stable film.

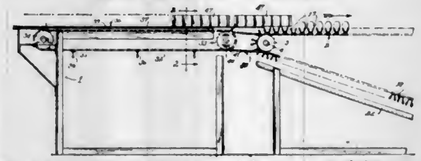
2,074,383

EGG HANDLING MACHINE

Frederick G. Funk, Chicago, Ill., assignor to Globe Egg Stabilizing Company, Chicago, Ill., a corporation of Illinois

Application June 22, 1934, Serial No. 731,815

4 Claims. (Cl. 214—1.1)



3. An egg handling machine comprising a stationary support for filled egg crate fillers, means for moving consecutive fillers to extend beyond the edge of said support whereby one or more rows of eggs will drop therefrom, means for moving consecutive transverse rows of egg seats under the overhanging fillers and at substantially the same speed whereby the eggs will drop row by row into said seats, said seats being so related to said support that one or more of the first rows dropped into said seats will cause the filler to continue its movement from said support whereby the remaining rows of eggs in said filler will drop into successively positioned rows of seats.

2,074,384

PRECISION BALANCE

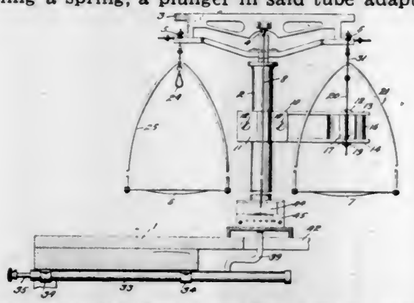
John Gattoni, Union City, N. J., assignor to Seederer-Kohlbusch, Inc., Jersey City, N. J., a corporation of New Jersey

Original application August 24, 1932, Serial No. 630,229, now Patent No. 1,997,636. Divided and this application April 13, 1935, Serial No. 16,222

3 Claims. (Cl. 265—54)

1. In a balance, a pivoted beam, an indicator carried by said beam, a scale cooperating with

said indicator, a second scale cooperating with said first scale and said indicator, a tube containing a spring, a plunger in said tube adapted



to move against the action of said spring, means for supporting said second scale on said plunger, and means for actuating said plunger.

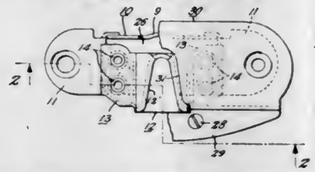
2,074,385

DOOR STOP FOR AUTOMOBILE DOORS

Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 3, 1934, Serial No. 738,176

5 Claims. (Cl. 16—86)



1. A door stop for automobile doors comprising a keeper assembly fixed to the door jamb for receiving a projection fixed to the door, said keeper assembly comprising: a fixed base, and a metal keeper resiliently supported upon said base by resilient rubber and having a relatively restricted vertical movement which is opposed by a direct compression on the supporting rubber and a relatively free door-closing movement relative to said base which is opposed by shear in said supporting rubber.

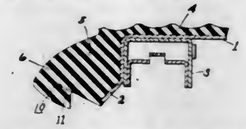
2,074,386

RADIO ANTENNA LOCATED IN OUTER EDGE OF RUNNING BOARD

Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 9, 1935, Serial No. 49,002

4 Claims. (Cl. 250—33)



1. In combination, a running board for an automotive vehicle comprising an outer marginal reinforcing structural member of metal, a longitudinal resilient rubber marginal guard supported by said structural member and projecting laterally outwardly materially beyond all structural metal members of the board, and a radio antenna element embedded within said resilient rubber guard adjacent its outer marginal edge and insulated and supported thereby in such a position laterally outwardly spaced beyond all structural metal portions of the board as to substantially avoid harmful radio shielding effects of said metal portions of the board.

2,074,387

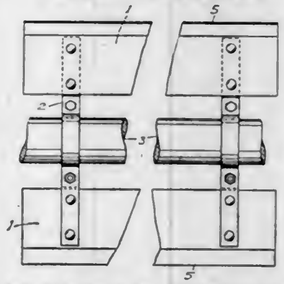
MEANS FOR CIRCULATING AIR

Arthur Gill, Dunedin Otago, New Zealand

Application March 27, 1936, Serial No. 71,286

In New Zealand February 17, 1936

1 Claim. (Cl. 170—141)



Means for inducing air circulation when combined with a line shaft including at least two supports, each involving metal strips of substantially uniform width formed adjacent one end with a semicircular offset portion of a diameter corresponding to that of the shaft, each strip extending beyond the semicircular portion in one direction as a short arm and in the opposite direction as a long arm, removable connectors fixing the short arm of one strip to the long arm of the other strip with the semicircular portions of the strips embracing the shaft and the connectors serving to fix the strips with respect to the shaft, and blades secured to the long arms of spaced supports to dispose the blades in spaced parallel relation with and parallel to the shaft.

2,074,388

GASKET

John F. Gordon, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 28, 1934, Serial No. 732,761

4 Claims. (Cl. 288—1)



1. A sealing gasket of the type adapted to be clamped between the cylinder block and cylinder head of an internal combustion engine and comprising a resilient fibrous layer and outer thin sheet metal layers substantially covering and permanently fixed to said fibrous layer and forming a unitary complete gasket, said gasket having an additional dry non-metallic seal coating applied upon and permanently adhering to the exposed surfaces of said sheet metal layers, said seal coating comprising pyroxylin and finely divided graphite in the proportion of 1 part of pyroxylin to 2 to 5 parts of graphite.

2,074,389

SNOWMOBILE

Arthur Grey Grant, New Liskeard, Ontario, Canada

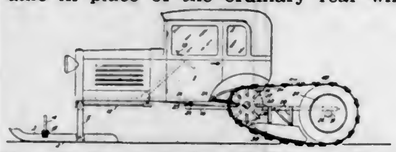
Application February 21, 1935, Serial No. 7,566

In Canada March 5, 1934

1 Claim. (Cl. 180—5)

A traction attachment for automobiles comprising, in combination with the rear driving axle

of the automobile, beams extending longitudinally of the automobile, and rearwardly of said driving axle, a supplementary axle mounted adjacent the rear ends of said beams and in substantially the same plane as said driving axle, wheels forming the sole supporting means for the rear of the automobile journalled on said supplementary axle, driving gears of smaller diameter than said wheels mounted on said driving axle in place of the ordinary rear wheels,



traction chains circumferentially engaging said gears and wheels and having a normal line of travel between said gears and wheels governed only thereby whereby the lower normal line of travel between the gears and wheels is in an inclined direction, and traction chain contacting members suspended from said beams and adapted to prevent distortion of said chains from their lower normal line of travel between said gears and wheels.

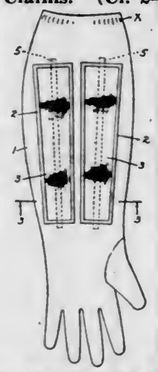
2,074,390

APIARIST'S GLOVE AND GARMENT

Elisha Cole Green, Preston, Calif.

Application August 12, 1936, Serial No. 95,582

7 Claims. (Cl. 2—161)



1. A glove for apiarists having a body wall of sting-proof material with an opening formed therethrough, said opening covered with a layer of flexible screen material, the mesh of which is too fine to permit substantial entry of a bee, and spacing means provided within the glove arranged to hold the screen material spaced from the flesh of a wearer beyond the length of the stingers of the bees.

2,074,391

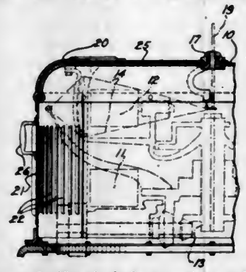
APPARATUS FOR CONDITIONING MATERIALS

George E. Henning, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application September 15, 1934, Serial No. 744,186

7 Claims. (Cl. 96—2)

1. A braider ventilating apparatus comprising a hood for covering rotatable elements of a high speed braider, a door constituting a portion of the hood having an inlet port adjacent the axis of the rotating elements, and an aperture adjacent the periphery of the rotating element so that a fan-like action created by the rotation of the elements will cause a suction of air into the



housing through the intake ports and a forcing of the air through the exhaust port.

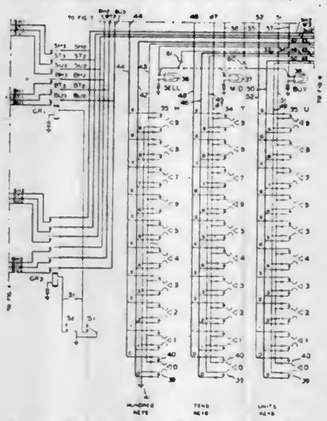
2,074,392

NUMERICAL COMPARATOR

John A. Herbst, Rivervale, N. J., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware

Application May 27, 1933, Serial No. 673,191

14 Claims. (Cl. 177—311)



1. In a numerical comparator system for comparing a plurality of items, a source of operating potential therefor, a plurality of groups of storage devices, each group having means individual to different values of an item and selectively operable to set up given values of said item, and means including electromagnetic devices and contact elements therefor operable in accordance with the instant value of the item and comprising an electrical operating circuit and a source of actuating potential therefor invariably equal to said operating potential, for indicating whether the instant value of said item has equaled or passed the higher of said first values, has equaled or passed below the lower thereof, or is intermediate said values.

2,074,393

CONNECTER FOR ELECTRIC CABLES AND THE LIKE

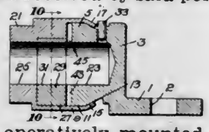
Alfred J. Hixon, Braintree, Mass.

Application March 5, 1934, Serial No. 714,046

6 Claims. (Cl. 173—353)

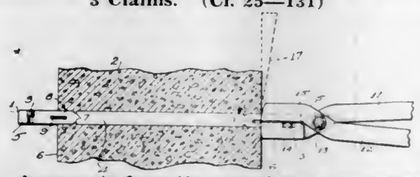
1. A device of the character described having, in combination, a pair of relatively rotatable members one of which is mounted on a cylindrical bearing surface formed on the other so formed as

to enable said members to be assembled by sliding one axially over the other without relative rotation between them, means for restraining said members against substantial movement axially of each other when relatively rotated and when at rest, at least one of said members being formed with a perforation extending in the direction of the axis of relative rotation thereof, a cable gripper formed with an opening for receiving a portion of the cable received by said perforation, said



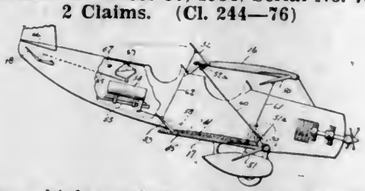
gripper being operatively mounted upon one of said members for rotation on an axis eccentric to the axis of relative rotation of said members, and means comprising interengaging abutments operatively carried by the other of said members and gripper, respectively, for enforcing operation of said gripper about its eccentric axis relative to said member upon which it is operatively mounted when said members are rotated relative to each other to move the opening of said gripper transversely relative to said perforation.

2,074,394
FORM TIE
George W. Hoffer, Chicago, Ill., assignor to Universal Form Clamp Company, Chicago, Ill., a corporation of Illinois
Application October 16, 1935, Serial No. 45,286
3 Claims. (Cl. 25—131)



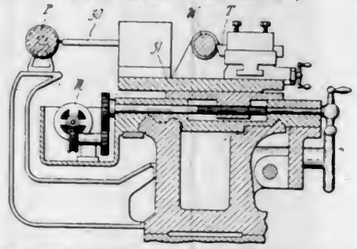
1. A concrete form tie comprising a metal band having a body portion adapted to be embedded in the concrete and an end portion adapted to project beyond the surface of the concrete for attachment to the form, said body portion having a weakened section located inwardly of said concrete surface to facilitate breakage by flexing at said weakened section, and said band having a longitudinal slot extending from a point beyond said weakened section across said surface and into said end portion.

2,074,395
AEROPLANE
Jakob Hojnowski, Nekoosa, Wis.
Application November 30, 1934, Serial No. 755,475
2 Claims. (Cl. 244—76)



1. In a biplane of the character described, a fuselage, wings on the fuselage, ailerons carried by the leading and trailing edges of the wings for bringing the aeroplane out of a nose dive, link connections respectively between the ailerons at the leading and trailing edges of the wings, diagonal link connections between an aileron at the leading edge of a wing and an aileron at the trailing edge of the other wing, and a weight slidable longitudinally of the fuselage and having link and arm connections with the ailerons at the trailing edge of one wing for simultaneous operation of the ailerons.

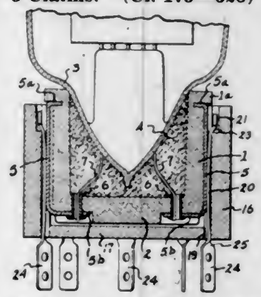
2,074,396
IMPEDANCE VARIATION AMPLIFIER
Wilfred H. Howe, Winchester, Mass., assignor, by mesne assignments, to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application March 11, 1933, Serial No. 660,429
22 Claims. (Cl. 82—14)



1. In combination, three reactances at least one of which is inductive, at least one of which is capacitive, and at least one of which is variable, said reactances being in series parallel arrangement in a circuit and of relative values such that small variations in said one variable reactance cause impedance of the circuit as a whole to pass between conditions of parallel and series resonance, thereby producing a large variation in impedance of the circuit as a whole as the result of such small variations in said variable reactance.

10. In combination, a series-parallel circuit consisting of three reactive impedances, at least one of which is capacitive, at least one of which is inductive, and at least one of which is variable, a measuring device of which said one variable impedance forms a part and the value of which is responsive to that of the variable being measured, a source of substantially constant frequency and potential alternating current power, means including a coupling impedance connecting said source to said circuit, and an indicator responsive to electrical conditions of said circuit.

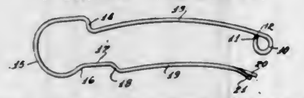
2,074,397
BASE AND SOCKET FOR RADIO TUBES
Dorman D. Israel, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application April 5, 1934, Serial No. 719,168
5 Claims. (Cl. 173—328)



1. A tube socket comprising a casing of insulaing material having a central cylindrical ori-

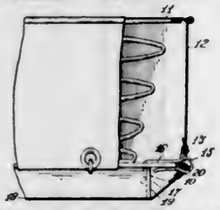
fice, said casing having longitudinally disposed grooves in the interior surface of said orifice, displaced interconnecting wider grooves near the top thereof, and T-shaped contact strips longitudinally disposed in said orifice, the heads of said contact strips entering said wider displaced grooves, for the purpose described.

2,074,398
DOOR CHECK
Rex C. Jacobs, Detroit, Mich., assignor to Shelving and Parts Manufacturing Corporation, Detroit, Mich., a corporation of Michigan
Application July 29, 1935, Serial No. 33,636
7 Claims. (Cl. 16—85)



1. A door check comprised of a spring metal blank having a pin receiving loop at one end, the said blank extending continuously from said loop to respectively form a bowed run, a shoulder at the termination point of said bowed run, a spring loop portion, a run extending in the direction of said receiving loop and connected therewith, and a shoulder between said last named run and said spring loop portion.

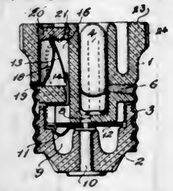
2,074,399
BEDSPRING AND COVER RETAINING CLIP THEREFOR
Charles D. Karr, Holland, Mich.
Application June 25, 1934, Serial No. 732,199
2 Claims. (Cl. 5—354)



2. In combination, a bed spring assembly having a rigid bottom frame comprising a horizontal bar, a fabric casing for the assembly comprising panels for covering both faces thereof and a skirt depending from the upper panel, the skirt and lower panel having registering eyelets, and forked securing clips the arms of which pass through mating eyelets and straddle the bar, one arm being bent to hook over the inner margin of the bar.

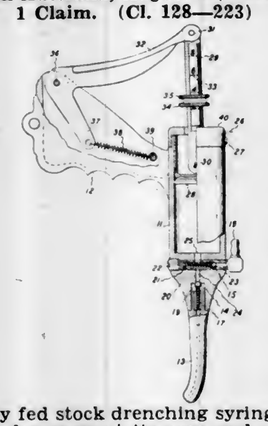
2,074,400
DUAL FUSE WITH INDICATOR
Leroy A. Kauffman, Washington, D. C., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C., a corporation of Delaware
Application April 24, 1935, Serial No. 18,040
8 Claims. (Cl. 200—121)

1. A fuse comprising a body, a center contact, a shell constituting a side contact, a thermo-responsive switch housed in said body and having a stationary section and a movable section, a fuse link connecting the stationary section with the center contact, a thermo-responsive strip extending longitudinally of the movable section and having one end secured to an end of the movable section and being normally bowed in one direction to support the movable section in position to engage the stationary section, means for electrically connecting the other end of the thermo-responsive strip with said shell, the strip when bowed in an opposite direction in response to change in thermal conditions supporting the movable section out of contact with the stationary section, a pocket being formed in said body and open at one end, a glow lamp indicator in said



pocket visible through the open end thereof, a resistor connected in series with said lamp, and means for connecting said glow lamp and the resistor in series with the center contact and the side contact but in parallel with said thermo-responsive switch and the fuse link whereby the inoperative position of the thermo-responsive switch or the fuse link may be visibly indicated.

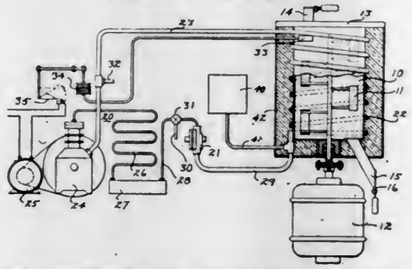
2,074,401
DRENCH SYRINGE FOR VETERINARY USE
Gabriel Peter Kauzal, Sydney, Australia, assignor to Ject-In Limited, Sydney, New South Wales, Australia, a corporation of New South Wales
Application August 16, 1934, Serial No. 740,192
In Australia, August 21, 1933
1 Claim. (Cl. 128—223)



A gravity fed stock drenching syringe comprising a cylinder open at its rear end, a nozzle at its fore end, inlet and delivery valves fitted in the butt of the nozzle, a piston slidable in the cylinder, a piston rod gudgeoned to the piston and extending through the open rear end of the cylinder; a variable check mounted directly on said rod and adapted for axial movement therealong for regulating its range of movement, a bracket depending from one side of the cylinder body formed as a fingergrip, a bell crank fulcrumed near its center point in said bracket and having one arm articulated to the back end of the piston rod, and a spring shielded by the bracket and acting on the free end of the other arm of the bell crank and adapted for moving the bell crank to retract the piston rod, said articulated arm being disposed in alignment with said bracket, on the opposite side of said finger grip bracket from the nozzle, and adapted to be displaced by the palm of the hand in substantially the direction of movement of the piston rod, to apply

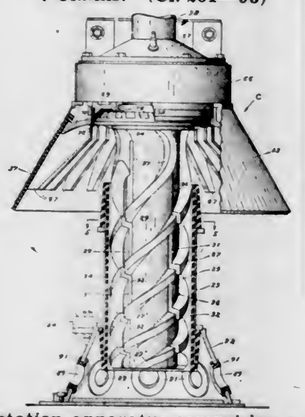
forward, substantially rectilinear movement to the latter, with substantially no loss through lateral components of force.

2,074,402
REFRIGERATION
James R. Killen, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application January 14, 1933, Serial No. 651,770
4 Claims. (Cl. 62—4)



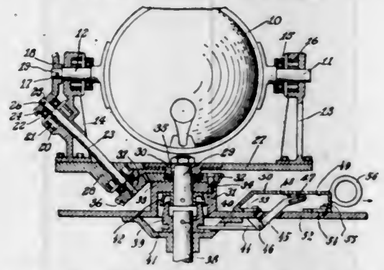
4. A refrigerating apparatus comprising a compressor, condenser and evaporator in refrigerant flow relationship, an automatic expansion valve between said condenser and evaporator, said expansion valve automatically closing as the pressure of the refrigerant in said evaporator rises above a predetermined limit, an electric motor driving said compressor, a thermostat in thermal contact with said evaporator adjacent its outlet end, said thermostat automatically starting said motor when the temperature rises above a predetermined limit and stopping said motor below a predetermined limit, a closed refrigerant reservoir away from the cooling environment of said evaporator and connected to the lower end of said evaporator, whereby said motor and compressor automatically continue to operate, said valve automatically closes and said evaporator automatically empties into said reservoir when said evaporator is heated abnormally.

2,074,403
FLOTATION APPARATUS
Max Kraut, San Francisco, Calif., assignor to Pan-American Engineering Corporation, Ltd., Berkeley, Calif., a corporation of California
Application September 17, 1935, Serial No. 40,897
In Canada October 1, 1934
7 Claims. (Cl. 261—93)



1. A flotation apparatus comprising a cylindrical stator, a cylindrically-shaped rotor rotatable within said stator and forming an annular passageway therebetween, said passageway having an inlet and an outlet for the flow of pulp, screw flights on said rotor of increasing pitch from adjacent said inlet to adjacent said outlet, a ported shroud adjacent said inlet, and a conically-shaped deflector adjacent said outlet.

2,074,404
DIRIGIBLE SEARCHLIGHT
Josef Kolb, Brooklyn, N. Y.
Application October 30, 1935, Serial No. 47,398
2 Claims. (Cl. 240—61.1)

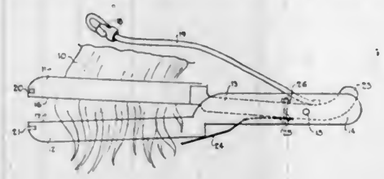


2. In a device of the class described, a parabolically formed body of a search light, spindles diametrically disposed upon the latter, standards adapted to have said spindles journaled therein, a reduced shank continuing from the end of one of said spindles and being positioned adjacent the standard supporting said latter spindle, a pin securing a beveled gear to said reduced shank, a journal having a roller bearing inserted therein and being positioned intermediary the height of said latter standard and beneath said beveled gear, a shaft extending diagonally thru said latter standard and having a thrust bearing mounted thereon, a beveled gear at the upper end of said shaft, an annular table, the diagonally positioned shaft extending through said annular table, a lug upon the underside of the table and having said diagonally positioned shaft journaled therein, a short shaft made with a tapered end portion, a flanged collar upon the table, said collar being mounted axially upon the tapered end portion of said shaft, an inverted cup-like member adapted to receive rotatably therein said shaft, a beveled gear disposed on the roof of said cup-like member and being provided with an annular recess therein, a thrust bearing mounted in said recess, said latter beveled gear meshing with another gear, the latter gear being mounted upon a lower reduced end portion of the said diagonally positioned shaft, a drive shaft positioned co-axially with the tapered short shaft, said drive shaft being slidable and having a cone mounted upon the upper end thereof, said cone being provided with an annular channel, and a cone shell cooperating with said cone, whereby upon said cooperation the short tapered shaft and all the beveled gears connected therewith will rotate the spindles, a reflector and the table.

2,074,405
HAIR CURLING DEVICE
Alexander Lasity, New York, N. Y.
Application November 19, 1935, Serial No. 50,510
5 Claims. (Cl. 132—41)

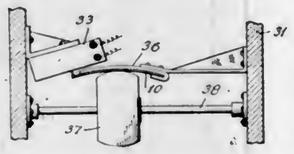
1. In a device of the class described, a hair curling apparatus, comprising two members pivotally hinged together, said members being in part formed with flat inner surfaces for engaging

the hair, one of said members being made with a bifurcated end portion adapted to receive therein the corresponding end portion of the other member, a spring secured to the first mem-



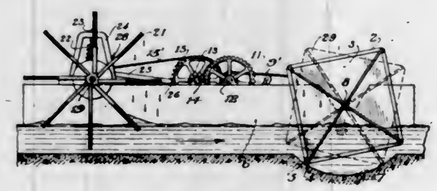
ber and extending below the second member, whereby automatically to impart a gripping effect to the flat portions of said members, and means for securing the latter tightly together during operation.

2,074,406
METHOD AND APPARATUS FOR RECORDING AND REPRODUCING SOUND
Peter Lohn, New York, N. Y., and Alfonso Cortella, Leonia, N. J.
Application July 26, 1933, Serial No. 682,292
2 Claims. (Cl. 274—11)



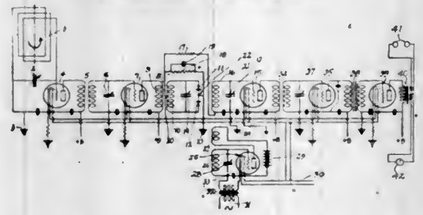
1. Sound reproducing apparatus, comprising, in combination, a pick-up device, a film having a sound record in one surface thereof, means to move said film and said device relative to each other with the stylus of the latter in engage- with said sound record, and means to bow said film transversely so that the surface thereof containing the sound record will be in the convex arc of curvature of the film.

2,074,407
FISH SCREEN
Nolan D. Lowe, Preston, Idaho, assignor of one-half to Lester D. Lowe, Preston, Idaho
Application February 17, 1936, Serial No. 64,371
5 Claims. (Cl. 210—174)



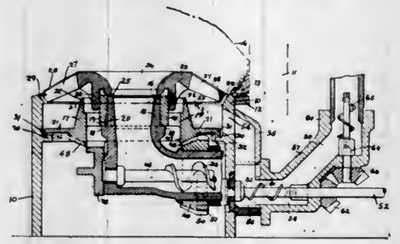
1. In a device of the type set forth, a sluice having a curved depressed portion disposed in the plane of its bottom, a fish screen and debris remover rotatably carried by the sluice and composed of a shaft having substantially square plate-like end members, series of closely spaced bars radiating from the shaft and disposed between the end members and having outer ends terminating adjacent the respective ends of the end members, paddle members connected to the outer ends of the bars and movable through the depressed portion of the sluice, a rotatable paddle wheel carried by the sluice and operable by the current flowing therethrough, and means actuated by the paddle wheel to rotate the screen in a direction opposite to that of the flow of the current.

2,074,408
DIRECTION FINDING SYSTEM
Percival D. Lowell, Chevy Chase, Md., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 8, 1933, Serial No. 674,909
10 Claims. (Cl. 250—11)



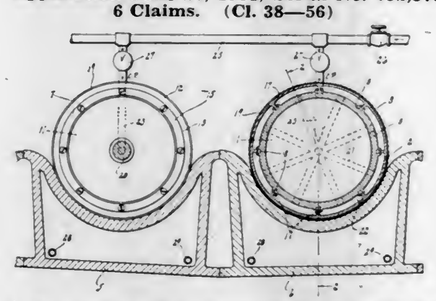
1. A radio compass system comprising an angularly adjustable coil antenna, a signal receiving circuit connected with said coil antenna and including a high frequency amplifier, a rectifying system connected with the output of said high frequency amplifier, an intermediate frequency amplifier connected with the output of said rectifying system, a detector system connected with the output of said intermediate frequency amplifier, and a signal indicator connected in circuit with the output of said detector system, a high frequency oscillator coupled with said intermediate frequency amplifier, means for modulating said oscillator at an audible frequency, and means controlled by said rectifying system for rendering said intermediate frequency amplifier responsive to energy delivered by said oscillator in inverse proportion to the amplitude of the signal energy intercepted by said angularly adjustable coil antenna.

2,074,409
STOKER
James Gunnell Malone, Tottenville, Staten Island, N. Y.
Application December 27, 1933, Serial No. 704,211
20 Claims. (Cl. 110—45)



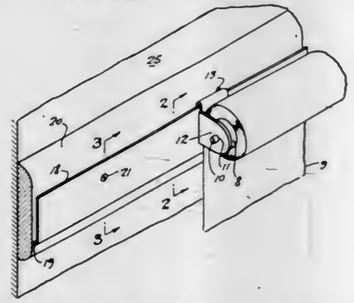
1. In a stoker, a vertical member having a spherical seat, a grate having a complementary spherical seat coacting with said first-named spherical seat for supporting said grate, and means coacting with said grate for circumferentially progressively tilting said grate on said spherical seat.

2,074,410
PRESSING AND IRONING MACHINE
Albert Matthews, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application June 27, 1934, Serial No. 732,578
6 Claims. (Cl. 38—56)



1. An ironing roll, comprising an inner rigid member having a substantially cylindrical body portion and circular end heads, an expansible fluid tight substantially cylindrical outer casing member having a fluid tight connection with said heads and surrounding and spaced from said inner member, means for supplying fluid under pressure to the space between said members, and driving means connecting the inner and outer members and lying in the space between them.

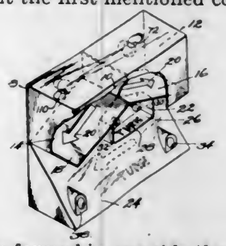
2,074,411
ADJUSTABLE BRACKET CONSTRUCTION
Mary B. McDougall, Pasadena, Calif.
Application May 24, 1935, Serial No. 23,281
2 Claims. (Cl. 248—257)



1. In a device of the character described, a supporting trough open at the top and having spaced apertures in the bottom of the trough in combination with a sheet metal bracket comprising a folded U-shaped portion, the legs of said U-shaped portion being adapted to straddle one side of the trough, the inner leg being adapted to extend into any one of said trough apertures, said bracket also having an object supporting member extending perpendicularly to the plane of the U-shaped portion.

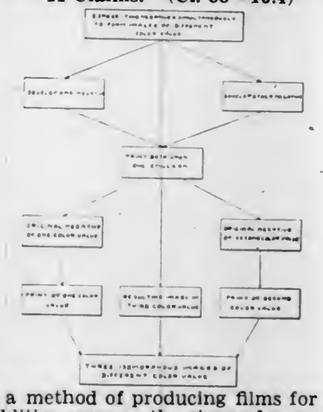
2,074,412
SIGNAL
Karl J. Mislin, Kansas City, Mo.
Application June 10, 1935, Serial No. 25,841
4 Claims. (Cl. 177—339)

2. In a signal of the character described having a reflector a housing having a partition dividing the same into two compartments; inclined panels forming the sides of a triangle and each having indicia therein closing the lower sides of the compartments; a supplemental compartment adjacent the first mentioned compartments



having indicia formed in one side thereof; whereby the images of the respective indicia may all be cast upon the reflector; and an electric lamp in each compartment respectively.

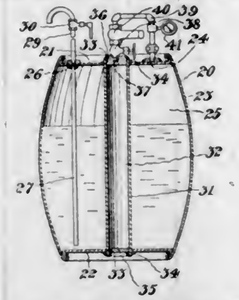
2,074,413
COLOR CINEMATOGRAPHY
Gabriel Garcia Moreno, Los Angeles, Calif., assignor to C M C Corporation, New York, N. Y., a corporation of Delaware
Application September 1, 1934, Serial No. 742,398
11 Claims. (Cl. 88—16.4)



1. In a method of producing films for a three-color additive process, the steps of recording two consecutive series of images on two strips of film, pairs of images being recorded simultaneously, one on each film, one of said series preferentially recording the red color values, the other series of images preferentially recording the blue and green color values; printing a third series of images from the latter series with a printing light of intensity sufficient to form images in which yellow portions are substantially transparent; printing every other pair of isomorphous images from each of said three series upon a single film in sequential lineal alignment thereon to form triads, images of one color value being spaced by images of other color value, the isomorphous images of each triad occupying a length of film normally occupied by two standard size images.

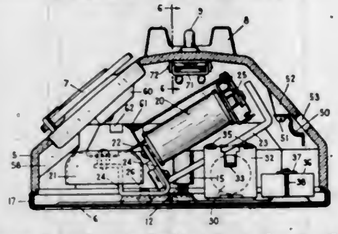
2,074,414
BEVERAGE CONTAINER
Patrick J. Murphy, Chicago, Ill., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application November 2, 1933, Serial No. 696,328
3 Claims. (Cl. 225—18)

1. A container for beverages, heads for the container having apertures therein, a tube in the container and the apertures and being permanently secured to the heads to effect a seal between the tube and the heads, a guide surface in one end of the tube, a casing for a beverage im-



pellent within the tube and being guided at one end by the guide surface, a flange on the other end of the casing, and bolts extending through the flange for securing the casing to the container.

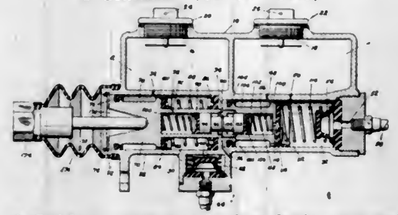
2,074,415
DESK TELEPHONE
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 21, 1934, Serial No. 758,577
4 Claims. (Cl. 179—100)



1. In a telephone desk set, a base plate, an induction coil supported on said base, a condenser supported on said base adjacent to said induction coil, signalling apparatus including ringer coils and gongs, an angle-shaped bracket for supporting said ringer gongs and said ringer coils, said bracket secured to said base in such a manner as to support said ringer coils at an angle from said base plate and in a position directly above said induction coil and condenser and supporting said gongs below the ringer and adjacent to the base plate, and a cover for said base fitting over said apparatus without coming into contact with the same.

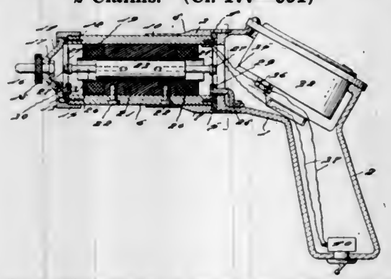
4. In a cradle-type telephone, a cover and a base, a calling device and a hand telephone operated switching mechanism mounted on the cover, switching springs mounted directly on the underside of the cover and operated by said mechanism, terminals on the cover connected to the calling device and switching springs, an induction coil and a condenser mounted on the back of the base, a bracket having two arms bent to an acute angle, one arm secured to the base, ringer gongs mounted on said one arm at the front of the base under the calling device, a pair of ringer coils mounted on the other arm and extending backward from the gongs and up over the induction coil and the condenser, terminals on the base connected to the parts mounted thereon, and cable connections for interconnecting the terminals on the base and cover.

2,074,416
DUPLEX FLUID BRAKING SYSTEM
Wallace F. Oliver, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application December 28, 1935, Serial No. 56,489
9 Claims. (Cl. 60—54.5)



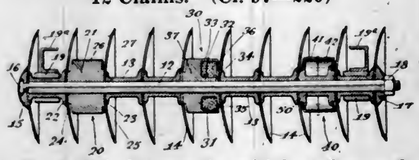
1. A fluid pressure producing device comprising a pair of cylinders arranged concentrically to one another, a piston reciprocable in each of the cylinders, a single actuating means for both of the pistons, and cooperative devices carried by the pistons for equalizing pressure in the cylinders.

2,074,417
VIBROMETER
Thorsten Y. Olsen, Philadelphia, Pa.
Application August 1, 1933, Serial No. 683,107
2 Claims. (Cl. 177—351)



1. In a vibrometer, a frame, a casing rotatably carried by the frame, coils within the casing, an armature within the coils, a helical spring having one end fixed to the casing and its other end to the armature, means carried by the frame to vary the effective length of the spring on the rotation of the casing, a second helical spring having one end fixed to the casing and the other end secured to said armature, and a member rotatable on the casing and cooperating with said second spring to vary its effective length on relative rotation of the member and casing.

2,074,418
SPACING BALANCE WHEEL FOR DISK HARROWS AND DISK PLOWS
Charles Opolo, Culver City, Calif.
Application April 13, 1936, Serial No. 74,138
12 Claims. (Cl. 97—220)



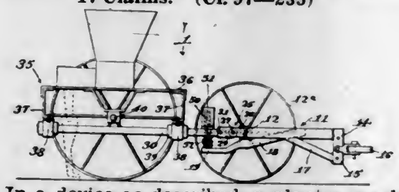
1. In a disk harrow in which a frame forms a mounting for an axle having harrowing disks mounted on the axle with a spacing means for the disks combined with weighting wheels forming

part of the spacing means, certain of said wheels being substantially solid to give a considerable weight to increase the cut of the disks adjacent the solid wheel and other wheels being substantially hollow, the periphery of the wheels being operative to limit the depth of the cut of the disks.

2,074,419

PLANTER MACHINE HITCH TO TRACTORS

Charles Opolo, Culver City, Calif.
Application June 9, 1936, Serial No. 84,281
17 Claims. (Cl. 97—235)



1. In a device as described, a planter machine having a frame with wheels, a longitudinally extending tow-bar between the wheels, a pivoting connection between the tow-bar and the frame whereby the frame may tilt laterally on the tow-bar during a transverse inclination of the frame, a towing device, a connection between the forward end of the tow-bar and the towing device having a transverse hinge whereby the planter machine may lift and lower relative to the towing device.

2,074,420

DISPLAY DEVICE

Arthur Frederic Otis, Glen Ellyn, Ill., assignor, by mesne assignments, to The Albert Kircher Company, Chicago, Ill., a corporation of Illinois
Application June 3, 1935, Serial No. 24,639
3 Claims. (Cl. 40—126)



1. A display device, comprising a base sheet of flexible material, and a plurality of figures cut from said sheet along a portion of their several outlines and folded along the uncut portions of their outlines to displace them out of the plane of said base sheet into positions at substantially right angles thereto, said figures being interlocked with each other to maintain them in such displaced positions with the main portion of said sheet acting as a supporting base therefor.

2,074,421

SPRAYING DEVICE

Charley T. Patterson, Springfield, Mo.
Application December 11, 1935, Serial No. 53,864
4 Claims. (Cl. 299—103)

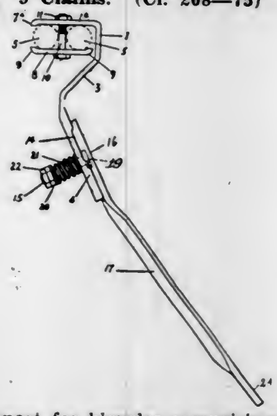
4. A spraying device including a container for holding spray material, a rigid, outwardly extending handle member attached to said container whereby said container may be swung in an arc, said container having a discharge opening in its outer extremity adjacent its forward side as it is swung in an arc, said container having its outer wall inclined inwardly from said discharge opening at such an angle that material in said container will not be discharged while being swung in an arc, but will be discharged upon suddenly arresting the arcuate movement of said container, said container having air intake means in cooperative relation with said forward side and located inwardly of said discharge opening whereby air may be admitted to replace the spray material as it is discharged from the container.



2,074,422

SUPPORT FOR BICYCLES

Ewald F. Pawsat, Maysville, Ky., assignor to Wald Manufacturing Company, Incorporated, a corporation of Kentucky
Application June 26, 1935, Serial No. 28,503
9 Claims. (Cl. 208—75)



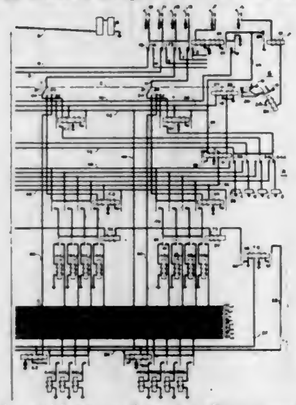
1. A support for bicycles comprising a bracket having a horizontal section arranged to fit over a portion of the frame of said bicycle, a clamping plate arranged to cooperate with said horizontal section to secure said bracket, a head on the lower portion of said bracket, a standard, said standard being provided with a series of perforations in its upper end, means for pivotally securing said standard through either of said perforations to said head, and means for maintaining frictional pressure between said standard and head.

2,074,423

SELECTING SYSTEM

William C. Peterman, Rutherford, N. J., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 8, 1930, Serial No. 450,706
8 Claims. (Cl. 177—353)

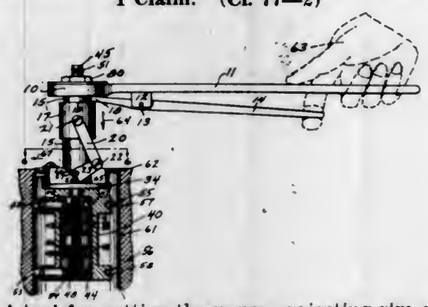
1. In a selecting system, the combination comprising a plurality of consecutively arranged groups of electromagnets, a common circuit for conditioning said electromagnets for operation, a first and a second group of contacts, a selector variably operable in response to character signals for selectively controlling said contacts, means responsive to a number of closures of any of the contacts in said first group for extending said common circuit to a predetermined electromagnet in each of an equal number of said consecutive groups, means responsive to each of said closures except the first for disconnecting said common circuit from the electromagnet to which said circuit had been extended by the preceding closure, and means responsive to the closure of a contact in said second group for operating the electromagnet ultimately conditioned for operation.



2,074,424

PISTON RING RIDGE REMOVER

Carl C. Petersen, Wayne, Nebr.
Application October 29, 1934, Serial No. 750,403
1 Claim. (Cl. 77—2)



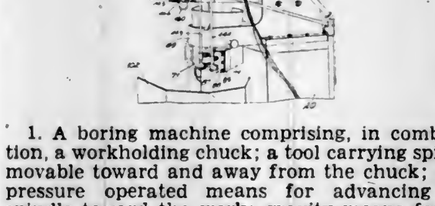
A tool for cutting the upper projecting rim of a cylinder comprising centering means, a rotatable tool mounted thereon including an extending rigid hand member, a retractable lever pivoted to the said hand member, a hollow shaft attached to the hand member and rotated thereby, a slidable collar receiving said shaft, a link pivoted to the collar, a forcing member pivoted to the link, a cutting member adapted to be fed horizontally toward the said rim by the said forcing member when the retractable lever is compressed, means for resiliently holding the said cutting member including an arcuate member receiving the said hollow shaft and having a cavity including a compression spring, a plunger within the spring adapted to be pressed against the shaft, said extending rigid hand member providing means for rotating said hollow shaft and said cutting member circumferentially within the cylinder.

2,074,425

CONNECTION FOR FLEXIBLE HOSE

Wilfred B. Pickard, Watertown, and James C. G. Maxwell, Waterbury, Conn., assignors to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
Application September 19, 1934, Serial No. 744,646
1 Claim. (Cl. 285—72)

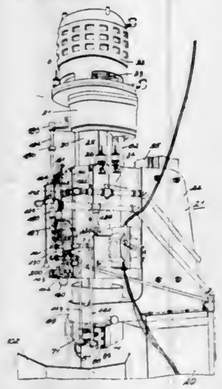
A coupling for connecting a spirally wound metal hose with a pipe comprising a sleeve having at one end an internally screw threaded socket, said socket being so threaded that one end of the hose may be screwed into it, an inwardly projecting annular shoulder at the inner end of the socket, said sleeve being internally screw threaded in its opposite end for the reception of a threaded end of a pipe, and an externally tapered ring in said socket of sufficient outside diameter to abut said shoulder and having an internal diameter less than the smaller diameter of the shoulder so as to be engaged by the end of the pipe for forcing the ring into the end of a hose in said socket by threading home of said pipe whereby the hose end is deformed against the inner surface of the socket in the sleeve.



2,074,426

BORING MACHINE

Lora E. Poole, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 20, 1930, Serial No. 437,478
15 Claims. (Cl. 77—4)

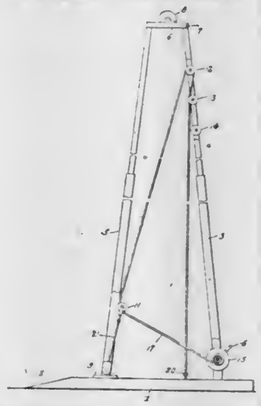


1. A boring machine comprising, in combination, a workholding chuck; a tool carrying spindle movable toward and away from the chuck; fluid pressure operated means for advancing the spindle toward the work; gravity means for retracting the spindle; a supply of fluid pressure; a first control means normally urged into a position in which to intercept communication between the fluid supply and the spindle advancing means; manually operable means for shifting the control means into communicating position; means for arresting the control means in communicating position; power means for causing the chuck to grip the work; a second control means operated by the movement of the first control means into communicating position for rendering the power means effective; means adjustably carried by the spindle for disengaging the arresting means from the first control means upon engagement with the same; and means for oper-

ating the second control means so as to render the power means ineffective.

11. In material working apparatus, a multisided reciprocable sleeve for internally supporting a spindle, a rotatable spindle in said sleeve, means for rotating said spindle, a hydraulic actuator including a piston and cylinder construction for imparting reciprocation to said sleeve, and a unitary mounting for maintaining the alinement of said hydraulic actuator and said sleeve during the longitudinal translation thereof, said mounting forming a portion at least of the cylinder structure of the actuator whereby to present a compact, rigid unitary construction.

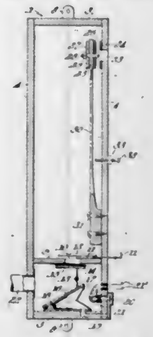
2,074,427
DERRICK
James O. Presley and John A. Presley, Wichita Falls, Tex.
Application April 15, 1936, Serial No. 74,528
1 Claim. (Cl. 189—16)



A derrick comprising, in combination, a base including an inclined end portion, a frame pivotally connected at one end to said base, a drum mounted on the base, a second frame, angularly extending members fixed on one end of the second-named frame and pivotally connected to the other end of the first-named frame, pivotally mounted ground engaging shoes on the other end of the second-named frame, a plurality of pulleys journaled on the first-named frame adjacent the said other end thereof, a pulley journaled on the second-named frame adjacent said other end thereof, a gin pole, a pulley journaled on the upper end of said gin pole, and a cable having one end anchored to the base and its other end secured to the drum for winding thereon, said cable being trained over the pulleys for drawing said other end of the second-named frame toward said one end of the first-named frame for elevating the pivotally connected inner ends of the frames when said cable is wound on the drum, the second-named frame resting on the base when in substantially vertical position.

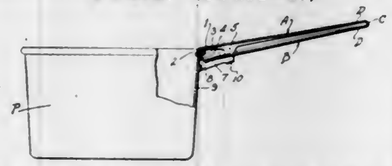
2,074,428
ORGAN TREMOLO
George M. Quave, West Asheville, N. C.
Application May 19, 1936, Serial No. 80,639
6 Claims. (Cl. 84—348)

1. In an organ tremolo, a tremolo casing and a valve-controlled conduit for placing the same in communication with the system supplying air for sounding the pipes, a vent opening through a wall of said casing, a valve cooperating with said vent opening, a resilient clapper arm within and having one end secured to said tremolo casing, said valve being carried at the other end of said clapper arm, and an abutment positioned in the path of movement of an intermediate portion of said clapper



arm when the latter is flexed as the air escaping through said vent opening moves the valve to closed position, whereby the clapper arm is bent over said abutment to produce a restoring force operative to open said valve against the pressure within said tremolo casing.

2,074,429
POT LIFTER
Guy P. Randolph, Pasadena, Calif., assignor to Randolph Tool Company, Inc., Burbank, Calif., a corporation of California
Application October 30, 1935, Serial No. 47,444
1 Claim. (Cl. 294—33)

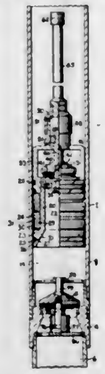


In a pot lifter, opposed tensioned arms joined at certain ends and free at their other ends, lips at said free ends being bent in the direction of each other and adapted to engage upper and lower portions of the rim of a pot, extensions formed on opposite sides of one of said arms and extended downwardly alongside and beyond the edges of the other arm, toes extending forwardly from the extensions and adapted to engage the exterior surface of a pot below the rim thereof and beneath both said arms, and portions extending inwardly from the lower ends of said extensions and underlying the second named arm.

2,074,430
PUMP AND VALVE ASSEMBLY
Dempson H. Reed, Houston, Tex.
Application August 19, 1932, Serial No. 629,439
1 Claim. (Cl. 103—229)

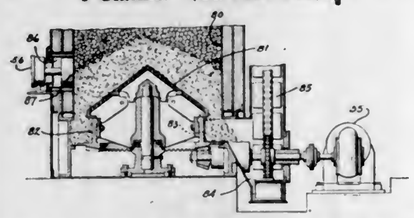
A standing valve construction for wells comprising a pipe, a valve seat therein, a valve arranged to engage said seat, a stem extending from said valve, a guide for said stem comprising a perforated plate through which the fluid flows, a cylinder carried by said plate, a stem having a piston thereon, said stem extending below said valve, said piston being disposed in said cylinder, ports in said cylinder adjacent the base thereof

to restrict the inflow and outflow whereby a dashpot effect is obtained by the movement of said



piston and the movement of said valve is damped to avoid pounding of the valve on said seat.

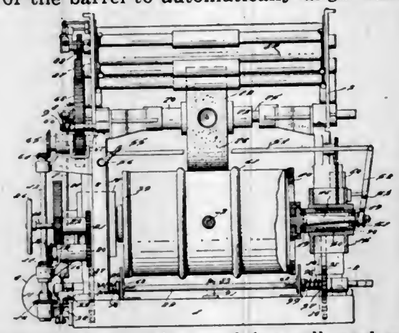
2,074,431
ASH REMOVING APPARATUS
John G. Reid, Jr., Pottsville, Pa., assignor to The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 28, 1933, Serial No. 687,173
9 Claims. (Cl. 110—165)



1. In a furnace, a combustion chamber, a grate for supporting a fuel bed in said chamber, means including said grate for removing ashes from said chamber, a motor for operating said ash removing means, a thermostat positioned to be responsive to temperature conditions in said combustion chamber, contacts controlled by said thermostat, a power circuit for said motor, a relay energized when said contacts are closed and deenergized when said contacts are open, said relay being operable to alternately close and open said circuit through said motor for a plurality of time periods while said contacts are closed, and means for throwing said relay out of action after a predetermined number of said time periods should said contacts remain closed.

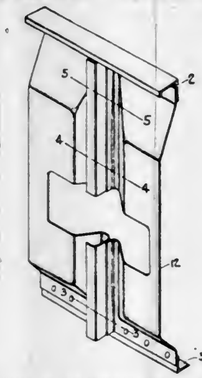
2,074,432
BARREL PAINTING MACHINE
Ernest John Rollings, Philadelphia, Pa., assignor to Wiedemann Machine Company, Philadelphia, Pa., a company of Pennsylvania
Application May 15, 1934, Serial No. 725,705
8 Claims. (Cl. 91—50)

1. In a barrel painting machine, a color applying roll having a removable portion in its periphery to provide clearance for the bung of the barrel, means to feed a desired color to said roll, clamping mechanism for the barrels, means to raise said clamping mechanism to bring a clamped barrel into cooperation with said roller, said raising means including devices to cause the periphery of the barrel to automatically align with the



periphery of the color applying roll, and means to revolve said roll and said clamping mechanism.

2,074,433
WALL FOR RAILWAY CARS
Edgar E. Schlesinger, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware
Application November 4, 1935, Serial No. 48,095
4 Claims. (Cl. 105—409)

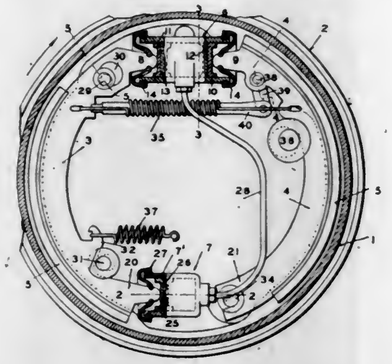


1. A wall for a railway car comprising spaced apart frame members, a pair of wall sheets secured to said frame members to form a load retaining means therebetween, each of said sheets bent on a radius to form a flange, each of said sheets formed with an outwardly projecting panel with portions thereof merging into the sheet adjacent the radial portions of the sheets whereby the flanges and said portions form stiffeners between the frame members, the radius of one of said flanges being relatively small adjacent said frame members and relatively large therebetween for the purpose specified.

2,074,434
BRAKING MECHANISM
Steve Schnell, Overland, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 1, 1934, Serial No. 742,363
1 Claim. (Cl. 188—106)

In braking mechanism, the combination of a support, a rotatable brake drum, a pair of brake shoes within the drum and positioned in end to end relation, actuating means for expanding a pair of adjacent ends of the shoes into engagement with the drum, means operable simultane-

ously with said expanding means for actuating the other end of one of said shoes into engagement with the drum, means carried by the support for anchoring the unactuated end of the other shoe and the diametrically opposite end of the first named shoe when the drum is rotating



in one direction and the brake is applied, means carried by the support for anchoring the other end of the first named shoe when the drum is rotating in the opposite direction and the brake is applied, and auxiliary means for expanding the said pair of adjacent ends of the shoes.

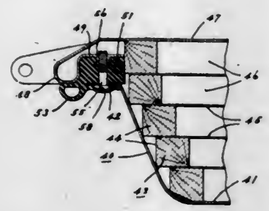
2,074,435

REFRIGERATING APPARATUS

Edmund F. Schweller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Original application November 26, 1932, Serial No. 644,473. Divided and this application September 25, 1935, Serial No. 42,084

10 Claims. (Cl. 20—35)



1. A refrigerator door construction including an outer sheet metal member having a curled-in edge, said edge portion being curled 180° and having a fastening portion extending inwardly therefrom, a thick rubber gasket member mounted upon the fastening portion, said fastening portion being recessed with respect to the curled portion to form a ledge to accommodate the thick gasket member, a deep pan-shaped inner sheet metal member having a flanged edge, insulation between the inner and outer sheet metal members, the flanged edge of the inner sheet metal member resting against the thick rubber gasket member and being insulated from the outer sheet metal member by the thick gasket member, and fastening means for fastening the flanged edge of the inner member to the fastening portion of the outer member.

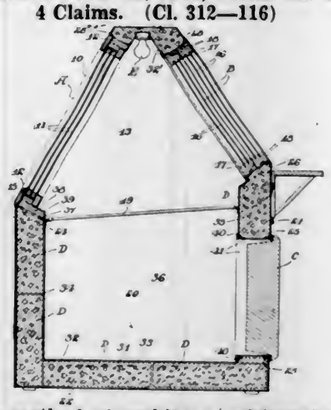
2,074,436

REFRIGERATOR BODY CONSTRUCTION

Gustave R. Seeger, St. Paul, Minn., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota

Application October 26, 1933, Serial No. 695,335

4 Claims. (Cl. 312—116)



1. The method of making a refrigerator consisting in first forming a two part outer shell of thin sheet metal bent to the desired shape, each part being maintained as a separate unit, then covering the inner surface of each part of the same with an adhesive plastic insulating material, then laying sheet or blocks of insulating material thereon, then covering the insulating blocks or material with a coating of adhesive plastic insulating material, then applying a two part inner casing which is formed of sheet material over the insulating material, then connecting the parts of each casing together and then placing a heat or cold insulating frame around the display or door openings.

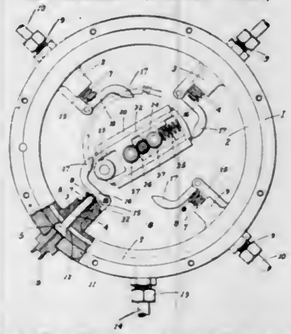
2,074,437

FUEL DISTRIBUTOR FOR DIESEL ENGINES

Arlin A. Snyder, Manteca, Calif.

Application February 25, 1936, Serial No. 65,583

15 Claims. (Cl. 137—145)



1. A fuel distributor comprising a supporting shell, a rotary distributor arm in the shell, a fuel feed passage in the shell, a plurality of fuel outlets from the shell, normally closed valves interposed between the fuel feed passage and the different outlets, stems projecting from the valves radially of and toward the arm, the valves opening with outward radial movement of the stems, stem actuating levers extending across and engaging the inner ends of the stems, means pivoting the levers at one end, the opposite end of the

levers extending inwardly toward the arm at a forward angle relative to the direction of rotation of the arm, and an element on the arm to successively engage the levers adjacent said opposite end thereof and turn the levers about their pivots to cause them to depress the valve stems and open the valves.

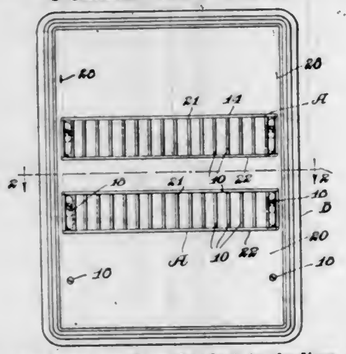
2,074,438

REFRIGERATOR DOOR BASKET

Enoch Swedman, St. Paul, Minn., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota

Application April 14, 1934, Serial No. 720,577

3 Claims. (Cl. 312—173)



1. A refrigerator door basket including, a body portion formed of a wire frame, bracket ends adapted to lie closely adjacent the inner surface of a refrigerator door, bracket attaching means carried by said ends, an upper wire rail on said bracket ends spaced approximately parallel from the door to which the basket is adapted to be attached, a lower rail on said bracket ends spaced at a lesser distance than said upper rail from and extending parallel to the inner surface of a refrigerator door, and a series of bar members spaced apart and having their ends secured to said rails to provide the basket body portion of the same.

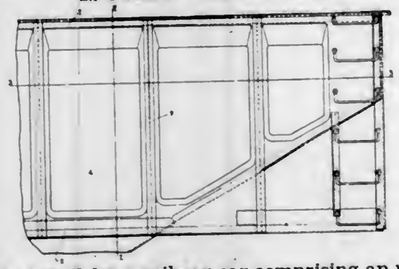
2,074,439

WALL FOR RAILWAY CARS

William J. Tangerman, Hammond, Ind., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware

Application March 13, 1935, Serial No. 10,865

12 Claims. (Cl. 105—409)



1. A wall for a railway car comprising an upper chord, a lower chord, wall sheets, each of said sheets having horizontally and vertically extending marginal parts and a central portion spaced outwardly from said marginal parts so as to increase the cubical capacity of the car, the vertically extending marginal parts of adjacent sheets being secured together with the horizontally extending part secured to one of said chords and a T-section stake provided with a base and a stem with the extremities of said base being secured to said upper and lower chords, respectively, said stem being secured to the marginal part of one of said wall sheets.

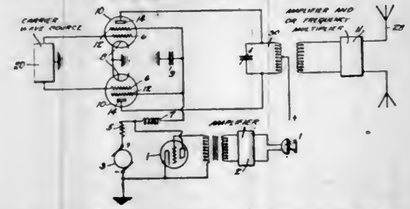
2,074,440

MODULATOR

George Lindley Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 21, 1931, Serial No. 524,247

2 Claims. (Cl. 179—171)



1. Means for modulating electrical waves derived from a source of undulatory energy by means of electrical waves of another frequency from a signal source and for substantially suppressing energy of a frequency equal to the frequency of one of said waves in the energy resulting from the modulation comprising, a pair of thermionic tubes, each having a cathode, an anode, a control grid electrode, and a screen grid electrode, a resistance and a source of potential in series connected to said screen grid electrodes for maintaining said screen grid electrodes at a positive potential with respect to said cathodes, a circuit for applying oscillations from one of said sources to the terminals of said series resistance and source, a second circuit for applying electrical waves from the other of said sources in phase opposition to the control grid electrodes in said tubes, and an output circuit connecting said anodes in push-pull relation.

2,074,441

PROCESS OF EXTRACTING CHLOROPLASTS

Robert H. Van Sant, Detroit, Mich., assignor, by mesne assignments, to American Chlorophyll, Inc., a corporation of Delaware

No Drawing. Application June 8, 1933, Serial No. 674,824

5 Claims. (Cl. 87—28)

1. The process of extracting chloroplasts from starch-containing vegetation which comprises comminuting leaves containing chloroplasts, mixing the comminuted mass with water at approximately blood temperature, adding amylaceous enzymes for converting the starch of said enzymes into sugar, washing out the soluble matter with water, macerating the residue, treating said residue with a chloroplast solvent, removing the liquid content from the mass, and finally evaporating the solvent from said liquid content.

2,074,442

BUILDING STRUCTURE

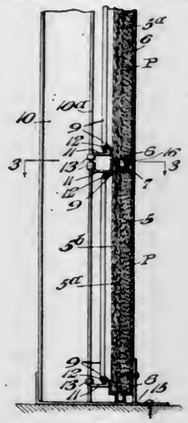
Frederick M. Venzie, Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware

Application February 1, 1933, Serial No. 654,688

17 Claims. (Cl. 72—46)

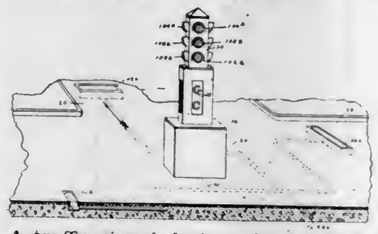
1. A building structure comprising a plurality of tongued and grooved panels having a tongue

on one panel fitting a groove on an adjacent panel; supporting means; and clips holding said



panels to said supporting means, said clips being entirely on the support side of said panels.

2,074,443
SELF-ACTUATED TRAFFIC SIGNAL SYSTEM
Benjamin M. Walpole, Providence, R. I.
Application December 9, 1930, Serial No. 501,084
19 Claims. (Cl. 177—337)



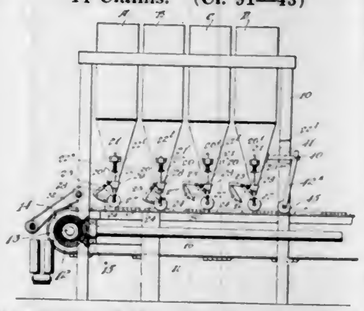
13. A traffic signal device adapted to be disposed at the intersection of two or more thoroughfares having in combination, a signal having illuminating means, a circuit containing certain of said illuminating means for causing said signal to direct traffic to go on one thoroughfare and stop on another thoroughfare when said circuit is closed, a second circuit containing certain other of said illuminating means for causing said signal to direct traffic to stop on said first mentioned thoroughfare and go on the other when said second circuit is closed, means constantly operative to close one of said circuits and open the other, and vice versa, a traffic operated device in one of said thoroughfares capable of receiving energy from a unit of traffic actuating it and transferring it, means entirely operated by said supplied and transmitted energy by operation of said device for causing said last mentioned means to close said first circuit and open said second circuit, a traffic operated device in the other thoroughfare capable of receiving energy from a unit of traffic actuating it and transferring it, means entirely operated by said supplied and transmitted energy by operation of said last mentioned device for causing said first mentioned means to close said second circuit and open said first circuit, means also entirely operated by said supplied and transmitted energy actuated by operation of said first mentioned traffic operated device in so closing said first circuit and in a plurality of subsequent operations thereof while said first circuit is still closed for preventing said first mentioned means from closing said second circuit for a definite period of time, and means also entirely operated by said supplied and transmitted energy whereby said means actuated by operation of said last mentioned traffic operated device will close said second circuit as soon as said period of time has elapsed, to direct traffic to proceed on said thoroughfare in which said last mentioned traffic operated device is located.

2,074,444
INSOLE AND METHOD OF MAKING SAME
Harold Warren, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 20, 1935, Serial No. 22,368
8 Claims. (Cl. 12—146)



5. That improvement in methods of making insoles for shoes which consists in forming the body portion of an insole of inner and outer layers of fibrous material plus a latex binding agent, reinforcing said layers with a layer of fabric material located between them, securing said fibrous and fabric layers together with latex cement, turning up the marginal portions of said outer layer and the fabric layer to form a lasting rib, and compressing the material of said outer layer by localized pressure applied progressively along the base of the rib to form a groove for receiving the stitches which are to form the inseam in the finished shoe.

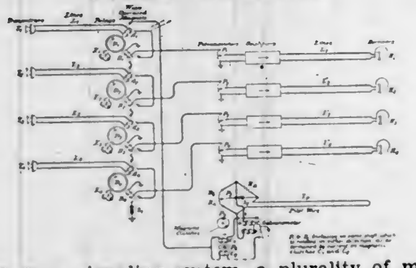
2,074,445
APPARATUS FOR SURFACING ROOFING
Jules L. Wettlaufer, Belmont, Mass., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass., a corporation of Massachusetts
Application July 31, 1929, Serial No. 382,534
14 Claims. (Cl. 91—43)



6. Apparatus of the character described, comprising a plurality of hoppers for maintaining separate supplies of differently colored mineral granules, a carrier for conveying roofing elements to be surfaced in succession beneath said hoppers, means for discharging the granules from said hoppers, and means on said carrier to actuate said discharge means, said actuating means being adjustable on the carrier whereby to actuate said discharge means at predetermined variable intervals.

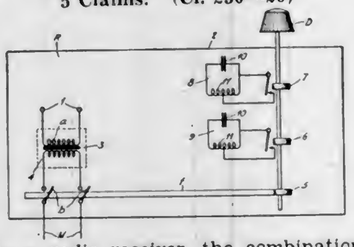
10. Apparatus of the character described, comprising a plurality of hoppers for maintaining separate supplies of differently colored mineral granules, said hoppers having discharge means to release the granules therefrom, a conveyor for progressively moving roofing elements in succession beneath said hoppers, and a series of longitudinal rows of spaced actuating members on the conveyor for actuating selected ones of said discharge means at predetermined intervals.

2,074,446
TRANSMISSION REGULATION
Sumner Bisbee Wright, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 7, 1936, Serial No. 67,723
8 Claims. (Cl. 178—44)



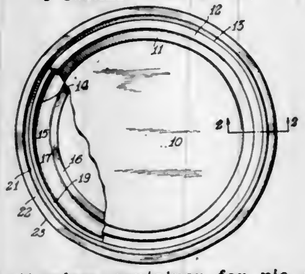
2. In a signaling system, a plurality of more than two transmission channels, means to restore the transmission level of each of said channels to normal when the transmission level is abnormal, and means operating when signals are being transmitted over any of the channels to prevent the operation of said restoring means with respect to all of the channels.

2,074,447
CONTROL DEVICE FOR RADIO RECEIVERS
Hans Wünning, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany
Application May 25, 1934, Serial No. 727,380
In Germany May 30, 1933
5 Claims. (Cl. 250—20)



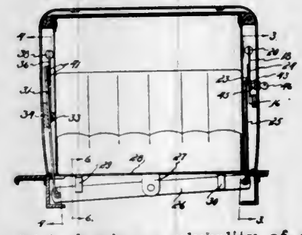
1. In a radio receiver, the combination of a power supply transformer, a switch arranged to connect the primary of said transformer to power supply mains, a control shaft, a cam secured to said shaft, operating connections between said switch and said cam, at least one resonant circuit, a second switch having its terminals connected to spaced apart points of said circuit, and a second cam secured to said shaft and arranged to actuate said second named switch said transformer being located at such a remote distance from said second switch as to prevent energy transfer thereto when said transformer is energized.

2,074,448
CONTAINER FOR PIEPANS
Maude M. Young, Portland, Oreg.
Application February 12, 1936, Serial No. 63,618
6 Claims. (Cl. 53—6)



1. A bottomless container for pie pans including a means for supporting a pie pan above an oven bottom and means for preventing the juices from the pie from overrunning the sides of the pie pan.

2,074,449
LOCKING MECHANISM
Peter Ziomek and Thomas Kowalski, Detroit, Mich.
Application December 29, 1933, Serial No. 704,494
1 Claim. (Cl. 292—45)

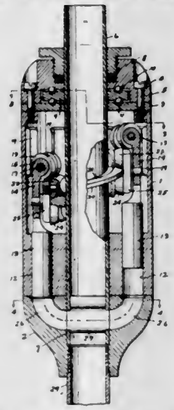


In a vehicle having a plurality of swingable, oppositely disposed doors, a pair of spaced arms, each swingably mounted at one of its ends between a pair of doors; a lock bolt portion projecting outwardly from the free end of each of said arms and swingable into position for locking one of said doors; a longitudinally movable arm; a pair of toggle links connecting said longitudinally movable arm to each of said swingable arms, intermediate the ends of said swingable arms, and adapted upon longitudinal movement of said longitudinally movable arm for swinging said swingable arms into position for effecting movement of the lock bolt portions into operative and inoperative positions.

2,074,450
PUMP
Thomas R. Alley, Alleyton, Tex., assignor of thirty-nine and five tenths per cent to Winnie Poole, Colorado County, Tex., and thirty and five-tenths per cent to Jack Rhoades, ten per cent to K. C. Barkley, two and five-tenths per cent to E. C. Terrell, and eight and five-tenths per cent to W. D. Estlinbaum
Application October 23, 1934, Serial No. 749,513
2 Claims. (Cl. 103—155)

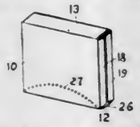
1. In an apparatus of the character described, a casing, a head attached to the lower end of

the casing, a plurality of cylinders in the casing, a plunger slidably mounted in each cylinder, an arm upstanding from each plunger, a rotatably mounted tube within and extending below the casing and terminating within the head, ports in the head forming passageways between the cylinders and that portion of the tubing extending below the casing, an oblique ring mounted on the upper portion of the said tubing, a yoke on each arm, rollers on the yokes operatively connecting the yokes to said ring, tracks in the casing, anti-friction rollers mounted on the arms above the yokes and movable along the said tracks, each track being arranged to accommodate one roller of each of the yokes between which such track is located, a partition in the



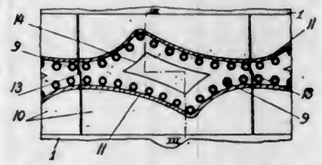
lower portion of the said tubing, said partition being effective to divide the tubing into discharge and intake passageways, said partition being formed to wipe the ports in the head as the tubing is rotated, and so positioned in the said tubing as to temporarily close the opposing port in the head, as the corresponding opposite plungers reach the top and bottom, respectively, of the stroke, and to direct the discharge from each cylinder above the partition as the corresponding plunger is moved toward the head, and direct the intake of each cylinder from below the said partition upon the stroke of each plunger from the head, the operative connections between the tube and plungers being effective to cause each plunger to complete a suction and discharge stroke upon each revolution of the tubing.

2,074,451
BOX
Levon Martin Berberian, Union City, N. J.
Application April 6, 1936, Serial No. 72,947
2 Claims. (Cl. 229—27)



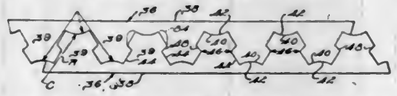
1. A box made from a single blank folded to form two narrow compartments one above the other with open upper ends when the box is fully opened, the lower end of the upper compartment and the upper end of the lower compartment having a connecting web with a middle fold line the width of the web being equal to the combined thickness of the compartments, the blank consisting of the back sections of the compartments the connecting web and the side wings folded over to form the front sections of the compartments, and having a weakened line along the back section of the upper compartment which is spaced from the middle fold line by the amount required for a clasp flap to permit the tearing apart and discarding of the upper compartment and the use of the lower compartment with the web and the portion below the tear-apart line serving as a clasp flap for the lower compartment.

2,074,452
HEATING ELEMENT FOR DRYING APPARATUS
Auguste Bergmann, Reims, France
Application December 13, 1934, Serial No. 757,258
In France December 14, 1933
4 Claims. (Cl. 257—248)



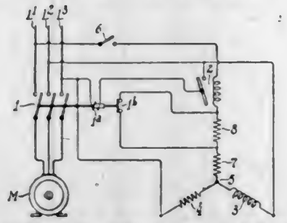
1. A heating unit for drying chambers of the type described comprising a plurality of metal plates spaced apart and arranged in parallel relation, each plate having a row of openings extending therethrough, longitudinally of the plate on each side of the longitudinal axis of the plates, the corresponding holes in the several plates being alined, a series of tubes, one extending through each of the alined holes of the several plates, the tubes extending transversely of the heater unit and being of a length greater than the width of the unit, and a strip of metal in each of the spaces between the plates contacting with the tubes and joined to the plates.

2,074,453
METHOD OF MAKING WHEELS
Tracy F. Brackett, Detroit, Mich.
Application June 30, 1934, Serial No. 733,176
17 Claims. (Cl. 29—159.03)



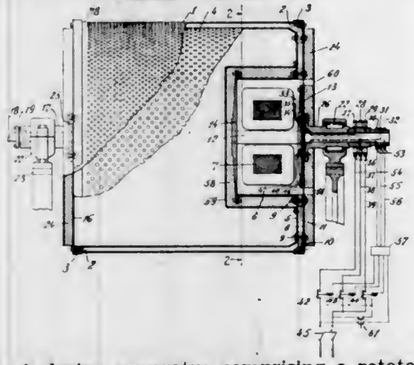
12. In the manufacture of vehicle wheels having tapered thickness spokes of minimum section thickness in the area adjoining a rim flange, the steps of making these wheels including punching out a pair of blanks from a metal plate, said blanks having areas, to be formed into spokes, in the form of projections attached at one end to a band of metal to be formed into a flange for attaching a rim, the projections of one of a pair of blanks interlocking with the second of the pair of blanks so that a common shear line serves as a means of separation between said blanks in said plate, subjecting the constituent metal of each blank to pressure working causing the width of the blank to increase and the section thickness of the spoke projections to assume a tapered form, turning a rim flange on the ends of the spoke projections opposite the hub end, swinging the spoke projections so that the hub areas approach and finally abut, and permanently joining the abutting edges of the hub areas to form one hub area in the finished wheel.

2,074,454
LOW VOLTAGE, PHASE FAILURE, AND PHASE REVERSAL PROTECTIVE MEANS
Glendon C. Brown and Edwin W. Seeger, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application June 8, 1936, Serial No. 84,122
7 Claims. (Cl. 175—294)



1. In protective means for polyphase circuits, the combination with a relay having a control winding, of impedances, a star connection for said relay winding and said impedances and resistance permanently in series with said relay winding to render said relay responsive to a decrease in line voltage when simultaneously the frequency decreases.

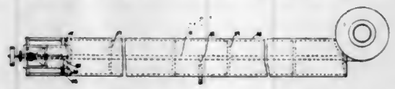
2,074,455
ELECTRIC HEATING AND DRYING ROLL
Robert A. Carleton, Brooklyn, N. Y., assignor to National Electric Heating Company, Inc., New York, N. Y., a corporation of New Jersey
Application February 5, 1932, Serial No. 591,203
2 Claims. (Cl. 34—4)



1. A drying apparatus comprising a rotatable cylinder having a perforated heating surface of high resistance metal adapted to support a material to be dried, a second perforated cylinder concentric with the first cylinder and electrically connected at one end thereto, means for causing an alternating heating current to pass uniformly through said cylinders in opposite directions to heat the surface of the first cylinder, and means for circulating a current of air through the perforations in said surfaces.

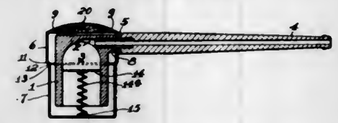
2,074,456
METHOD OF REVIVIFYING CLAY
Robert A. Carleton, Brooklyn, N. Y., assignor to National Electric Heating Co., Inc., New York, N. Y., a corporation of New Jersey
Application April 16, 1932, Serial No. 605,704
2 Claims. (Cl. 252—2)

1. The method of continuously purifying comminuted filter clay contaminated with carbonaceous material, which comprises suspending the material in a gaseous medium which is substantially non-oxidizing at operating temperatures, flowing the suspended material in a closely confined stream, subjecting each increment of the said stream to the influence of radiant heat for



a period of less than a few seconds, subjecting said stream to the influence of a gaseous medium introduced to pass in the direction of flow to cause oxidation of the carbonaceous material at operating temperature, removing the said stream from the heating influence and separating the solid from the volatile products of said reaction.

2,074,457
SMOKING PIPE
Clarence L. Carter, Pittsburgh, Pa.
Application February 12, 1935, Serial No. 6,159
9 Claims. (Cl. 131—12)

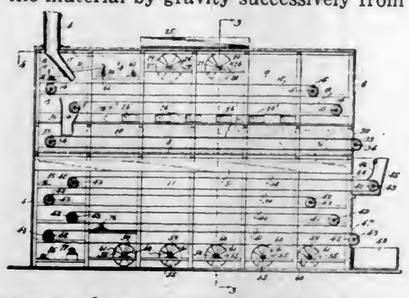


2. A smoking pipe comprising an inverted bowl, a hollow stem provided with a mouth-piece mounted to communicate directly with the inner end of and directly attached to a wall of said bowl, a shankless casing substantially totally enclosing said bowl except for a draft vent in the end thereof opposite the lighting end of the bowl and mounted in spaced relation to the walls thereof, the bowl being held in place in said casing solely by said hollow stem.

2,074,458
APPARATUS FOR DRYING SHORT ALIMENTARY PASTE
Nicholas J. Cavagnaro, Richmond Hill, N. Y., assignor to Consolidated Macaroni Machinery Corporation, Brooklyn, N. Y., a corporation of New York
Application January 29, 1935, Serial No. 3,925
4 Claims. (Cl. 34—12)

1. In an apparatus of the kind described, means to provide a series of superimposed segregated enclosed chambers to provide in successive order from top to bottom a preliminary drying chamber having means to circulate air therein, an intermediate chamber to contain relatively still air, and a final drying chamber having means to circulate air therein; a plurality of traveling mesh screen belts within said preliminary chamber over which the material treated is successively passed, said belts being of such number as to determine a relatively long period of submission of said material to the circulating air within said preliminary chamber; a single traveling belt within said intermediate chamber over which the material is passed for a relatively short period of submission to the still air of said intermediate chamber; a plurality of traveling mesh screen belts within said final chamber over which the material is successively passed, said belts exceeding in number those of said preliminary drying chamber so as to determine a period of submission of the material treated to the circulating air within said final chamber longer than that in said

preliminary drying chamber; and means to transfer the material by gravity successively from the



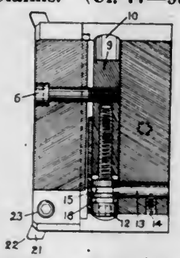
belt means of one chamber to that of a succeeding chamber.

2,074,459

BORING AND FACING TOOL HEAD

Charles B. Cole, Berwyn, and Otto L. Lewis, Chicago, Ill.

Application May 17, 1934, Serial No. 726,058
8 Claims. (Cl. 77—58)



8. A boring and facing head construction comprising a rotatable collar having a coaxial opening to receive a boring bar and having a cylindrical bore therethrough lying to one side of the axial opening, the axis of said cylindrical bore lying in a plane transverse to the axis of said head, a cylindrical nut fitting slidably in said cylindrical bore and lying within the cylindrical surface of the bore, a tool-carrying slide spaced from said nut said supporting head and tool-carrying slide having cooperating guide means for guiding the slide to move parallel to the axis of said cylindrical bore, screw-threaded means for drawing said nut and slide toward each other, said head having portions clamped between the nut and slide as the screw-threaded means are tightened, means for adjusting the nut and tool slide comprising means for moving the nut longitudinally in its bore, said head having a second cylindrical bore parallel to said first cylindrical bore extending from the periphery of the collar to said axial opening, a second cylindrical nut fitting and slidable in said second cylindrical bore and lying within the cylindrical surface of the bore and spaced from said slide, and a second screw-threaded means for drawing said second nut and slide toward each other, said head having portions clamped between said second nut and the slide as the screw-threaded means are tightened.

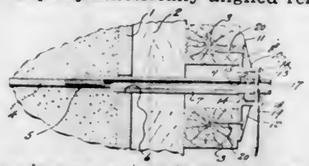
2,074,460

FORM RETAINING MEANS

Samuel S. Colt, Orange, N. J.

Application December 26, 1935, Serial No. 56,254
4 Claims. (Cl. 25—131)

2. Releasable form holding means for cooperation with a threaded interior tie-rod, comprising a holding bar to extend through a form wall and having an internally threaded inner end portion to engage said tie-rod, a perforate bearing plate to abut the exterior of the form wall structure and through which the exterior end portion of said holding bar extends, an outwardly open socket-member integral with said bearing plate, said socket-member being of polygonal cross-sectional shape symmetrically aligned relative to



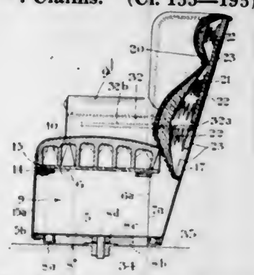
the holding bar as passed through said bearing plate, said holding bar being externally screw threaded, a nut screwed onto said holding bar, said nut being seated in and embraced by said socket member, opposite side walls of said socket member having inwardly indented notches, said holding bar having a transverse opening alignable with said notches, and a lock pin engaged through said notches and opening.

2,074,461

COMBINED SEAT AND LUGGAGE COMPARTMENT FOR RAILWAY PARLOR CARS

William Ferguson Connal, Montreal, Quebec, Canada

Application November 11, 1935, Serial No. 49,191
7 Claims. (Cl. 155—195)



6. A chair of the character described comprising a sheet metal plate bent to provide a bottom member and integral side members extending upwardly from opposite edges of the bottom member, a sheet metal back member having its side and bottom edges secured to said side and bottom members, a seat member supported between the sheet metal side members in spaced relation to the bottom member, said seat member being also positioned a substantial distance below the upper edges of the side and back members, and a U-shaped reinforcing member having its bight portion secured to the inner surface of the back member and its side arms secured to the inner surfaces of the side members, said reinforcing member being attached to the side and back members at a point between the seat member and the upper edges of the side members.

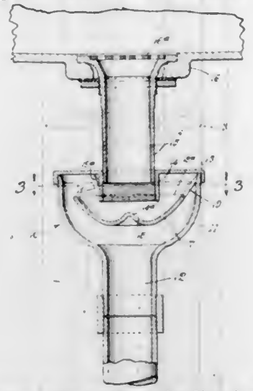
2,074,462

DRAIN TRAP

Charles Vance Dame, Lanark, Ill.

Application December 9, 1935, Serial No. 53,507
1 Claim. (Cl. 182—7)

A drain trap comprising a casing having an inlet at the lower end and a removable cover at the upper end, said cover being provided with a depending inlet member, and an overflow basin in said casing into which said member extends, said



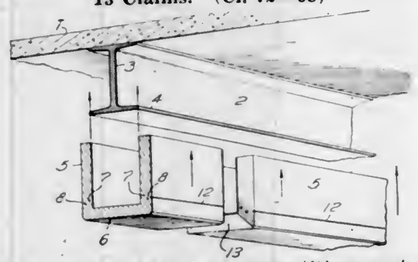
basin having side walls so inclined as to preclude the possibility of cracking the basin upon the freezing of water therein.

2,074,463

FIREPROOFING SLAB

Clarke F. Davis, Short Hills, N. J., assignor by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware

Application February 8, 1933, Serial No. 655,723
13 Claims. (Cl. 72—68)



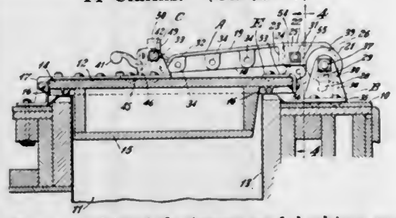
4. A precast slab of set cementitious material of substantially U-shape in lateral cross-section, two reinforcing rods embedded in each wall of the U above the bottom thereof, one rod of each pair being nearer one wall of the slab than the other rods.

2,074,464

HATCH COVER FASTENER AND LOCK

William M. Dwyer, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application May 3, 1934, Serial No. 723,677
14 Claims. (Cl. 98—7)



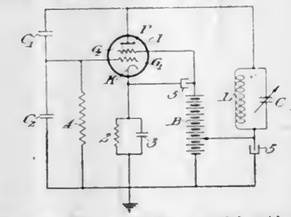
1. In a combined fastener and locking means for hinged hatch covers of refrigerator cars, the combination with an abutment on the cover adjacent to its free edge; of an arm swingingly mounted on a fixed support adjacent to said cover, said arm being pivoted on an axis parallel to the axis of swinging movement of the cover and foldable against the cover into engagement with said abutment to force the cover tightly closed; and latch means on the cover, including a weighted finger pivoted between its ends for rotary movement about its pivot, said finger having a locking projection at one side of the pivot thereof engageable over the outer end of said arm to lock the latter in folded position, said projection having a cam face thereon adapted to be engaged by said arm while being folded against said cover to rock said latch means on its pivot to swing the locking projection free of the end of said arm.

2,074,465

DYNATRON OSCILLATOR

Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application March 5, 1932, Serial No. 597,076
2 Claims. (Cl. 250—36)



1. In an oscillator; the combination with a vacuum tube having elements including a cathode cooperating with a control grid, an auxiliary cold electrode, and a plate; means for impressing on said auxiliary electrode a higher positive potential than on the plate for producing a negative internal plate-cathode impedance; a tuned load in the plate circuit; means for adjusting the oscillating frequency of said tube; an external non-resonant capacity load between said control grid and said cathode; and an external capacity coupling between the plate and control grid of the tube.

2,074,466

STUB EJECTOR MEANS FOR CIGARETTE AND CIGAR HOLDERS

Ferdinand L. Feuerbach, Richmond Hill, N. Y., assignor to S. M. Frank & Co., Inc., New York, N. Y., a corporation of New York

Application January 29, 1936, Serial No. 61,271
3 Claims. (Cl. 131—10)

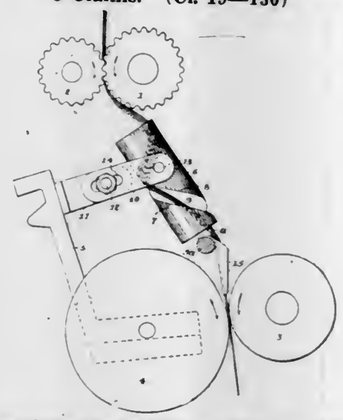


1. In a device of the kind described, a tubular body, a slide plate longitudinally movable along the side of the bore of said body, a push-piece extending transversely from said slide plate across the bore of said body and movable with said slide plate to and from the mouth of said body bore, a spindle transversely journaled in the wall of said body, a pinion on the inner end of said spindle, said slide plate having toothed rack means engaged by said pinion, and a finger wheel on the outer end of said spindle exposed upon the exterior side of said body subject to manipulation for actuating said pinion.

2,074,467
LOW BOILING HYDROCARBON OILS
Carlos L. Gutzeit, Ithaca, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 8, 1931, Serial No. 507,525
5 Claims. (Cl. 44—9)

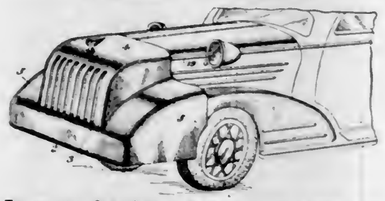
1. A low-boiling hydrocarbon oil normally tending to deteriorate and form gum during storage, containing a small amount of an amino phenol in which at least one of the amino hydrogens has been substituted by an alkyl radical and the substituted amino group contains at least five carbon atoms, said gum inhibitor having solubility and inhibiting power of the order of those of an amylated amino phenol, in quantity sufficient to retard such gum formation.

2,074,468
MANUFACTURE OF YARN
Malcolm Hain, Montclair, N. J.
Application September 1, 1936, Serial No. 98,875
9 Claims. (Cl. 19—130)



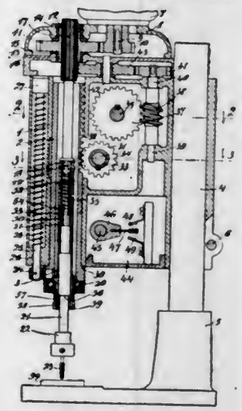
1. A machine for treating a sliver including, in combination, drawing rolls and retaining rolls coactive with the drawing rolls to draw the sliver, supporting structure, and controlling means including an element disposed on said structure between the two sets of rolls and relatively to which the sliver being treated is to travel from the retaining to the drawing rolls and around which it is to be held in the form of a helix.

2,074,469
COLLISION ABSORBER
Glenn J. Haynes, Quantico, Va.
Application July 6, 1936, Serial No. 89,223
6 Claims. (Cl. 293—54)



1. In a mechanism of the class described, the combination with a support, of cylinders carried by said support, braces extending laterally from said cylinders, a shield provided with plungers extending into said cylinders, said shield also provided with rearwardly-extending portions for overhanging wheels, and means slidably connecting said rearwardly-extending portions directly to said braces.

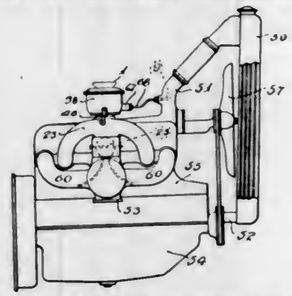
2,074,470
SCREW CUTTING MACHINE
Richard Herrmann, Stuttgart, Germany
Application June 26, 1936, Serial No. 87,493
In Germany February 27, 1936
11 Claims. (Cl. 10—105)



1. A screw cutting machine comprising in combination, a frame, a casing on said frame, a bushing guided in said casing for longitudinal feed and return motion, a feed-spindle guided for reversible rotation relatively to, and for feed and return motion in conformity to, said bushing, means arranged to reverse both the direction of the longitudinal motion of said bushing and the direction of the rotation of said feed-spindle at two positions of their stroke, a chuck-spindle adapted to accommodate a chuck for a screw tap and guided by said feed-spindle to rotate in conformity to the same and free for longitudinal motion relative to said feed-spindle, stop-means adapted to limit this latter longitudinal motion and disengageably arranged to transmit to said chuck-spindle the feed motion of said feed-spindle in the direction towards the screw tap chuck, and means adapted to positively feed in this direction said bushing with said feed-spindle while said spindle rotates in one of the two directions.

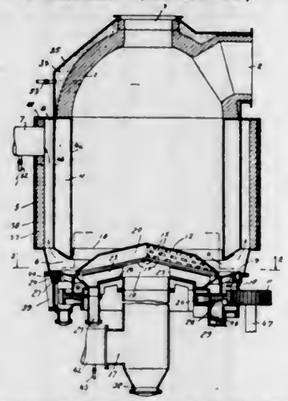
2,074,471
THERMOSTATIC CONTROL OF AUTOMOBILE ENGINE FUEL
George M. Holley and Claude S. Kegerreis, Detroit, Mich., assignors to Geo. M. and Earl Holley Engineering, Detroit, Mich.
Application June 9, 1932, Serial No. 616,278
Renewed September 18, 1935
7 Claims. (Cl. 123—119)

1. In a carburetor for internal combustion engine having the usual mixing chamber, a main fuel nozzle, mixture outlet and throttle valve therein, a thermostatically controlled means for introducing an additional rich mixture into the mixture outlet only during the starting period until the engine fires, similar thermostatic means for controlling the admission of a rich mixture into the mixture outlet after the engine has fired during the initial opening of the throttle but only until such time as the engine shall have warmed up, and additional thermostatic means



for controlling the flow through the main fuel nozzle during normal operation of the engine.

2,074,472
MECHANICAL GENERATOR FOR WATER GAS MACHINES
Charles H. Hughes, Glen Ridge, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York
Application December 22, 1931, Serial No. 582,555
6 Claims. (Cl. 48—68)



5. In a water gas generator, a fuel chamber, an annular boiler, the inner wall of said boiler constituting the wall of said fuel chamber, an additional wall surrounding said boiler and spaced therefrom, thereby providing an annular passage exteriorly of the outer boiler wall and in contact therewith, said annular passage communicating with said fuel bed, a port for removing gases from said annular passage, a rotatable ash pan in said fuel chamber, arms rotatably fixed to the upper surface of said ash pan and having apertures therein, a gas chamber defined in part by an ash receiving plate positioned beneath said ash pan, and a plurality of downwardly extending flanges on the bottom of said ash pan, said flanges extending into said gas chamber and cooperating with said ash receiving plate to remove ashes therefrom upon rotation of said ash pan.

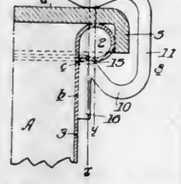
2,074,473
PROCESS OF REMOVING COLORING MATTER FROM WOOD PULP
Georg Jayme, Hawkesbury, Ontario, Canada, assignor to Canadian International Paper Company, Hawkesbury, Ontario, Canada
No Drawing. Application July 16, 1934, Serial No. 735,438
11 Claims. (Cl. 92—9)

1. A method of refining wood pulp which comprises treating the pulp at low density and at ordinary temperature with a liquor containing an emulsifying agent and an alkali, thickening the pulp to high density, retaining the thickened pulp at a raised temperature to dissolve or disperse impurities and washing the pulp.

2,074,474
TUNGSTEN BASE ALLOY FOR POINTS OF GOLD NIBS
Alfred Jedele, Hanau-on-the-Main, Germany, assignor to W. C. Heraeus Gesellschaft mit beschrankter Haftung, Hanau-on-the-Main, Germany, a German company
No Drawing. Original application January 2, 1935, Serial No. 105. Divided and this application September 26, 1936, Serial No. 102,817
5 Claims. (Cl. 75—176)

4. An alloy for points of gold nibs consisting of from 65% to 80% of tungsten, from 5% to 20% of a metal of the iron group, from 8% to 20% of palladium and from 2% to 10% of a hard metal of the class composed of osmium, ruthenium, rhodium and iridium, the amount of palladium being greater than the amount of the metal of the class of hard metals.

2,074,475
SPRING CLIP
Albert E. Jesser, Vandergrift, Pa., assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 12, 1933, Serial No. 670,719
5 Claims. (Cl. 220—55)

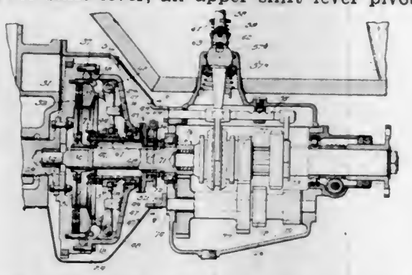


5. The combination with a drum having a circumferential rounded bead, said bead having a lower inwardly extending free edge portion, of a removable head therefor, a spring clip for securing the head to the bead, said clip having a lower terminal engaging the free edge portion of the bead inwardly beyond the largest diameter of said bead, a spaced upper terminal engaging the drum head, said clip also having a depending tail piece engaging the drum below the rim thereof.

2,074,476
AUTOMOBILE DRIVE SYSTEM
Hans F. Kolb, Chicago, Ill.
Application June 30, 1932, Serial No. 620,154
15 Claims. (Cl. 192—3.5)

1. In an automobile drive mechanism, the combination with a driving clutch plate, driven clutch plate, and driven shaft on which the driven clutch plate is splined, of a pressure ring adapted to engage the driven clutch plate, a rotatable sleeve surrounding the driven shaft, a nut threaded on the sleeve, a coil spring having one end connected with the sleeve and the opposite end connected with the nut, connections between said nut and pressure ring whereby movement of the nut in one direction will operate the pressure ring to force the driven clutch plate against the

driving clutch plate, means for rotating the nut with the driving clutch plate, an auxiliary shiftable clutch plate between the sleeve and driven shaft, including means for operating said auxiliary shiftable clutch plate, said means including a lower shift lever, an upper shift lever pivoted



on the lower shift lever, a cam carried by the upper shift lever, an arm pivoted to the lower shift lever and having one end adapted to be moved about its pivot with respect to the lower shift lever, and means for transmitting motion of said arm to one of the auxiliary clutch members.

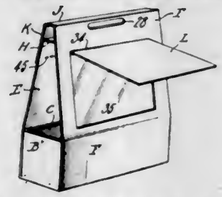
2,074,477

CARTON AND BLANK FOR FORMING THE SAME

Henry Kondolf, New York, N. Y., assignor to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware

Application September 1, 1932, Serial No. 631,334

27 Claims. (Cl. 229—52)



25. A bottle case comprising a tray having compartments each adapted to receive the large end of a bottle, and side walls tapering upwardly to snugly embrace said tray and bottles held therein.

27. A bottle case comprising a tray having bottle-receiving compartments, members extending above said tray for holding said bottles against vertical displacement, and means carried by at least one of said members for holding the upper portions of said bottles against relative movement laterally of said case.

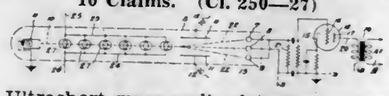
2,074,478

SHORT WAVE DETECTOR

Ernest G. Linder, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1935, Serial No. 56,940

10 Claims. (Cl. 250—27)



1. Ultrashort wave radio detector comprising, in combination, means for producing an electron beam, a plurality of anode electrodes for receiving said electron beam and deflections thereof, and means responsive to a received carrier wave for changing the axial speed of flow of said electrons and the transverse deflection of the beam, whereby differing anode electrodes are traversed by said beam.

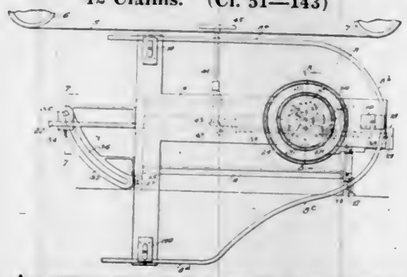
2,074,479

SANDING AND POLISHING MACHINE

Joseph T. Lindsey, Rochester, N. Y.

Application August 31, 1935, Serial No. 38,796

12 Claims. (Cl. 51—143)



1. An arrangement for sanding or polishing a large irregularly shaped article such as the rim of a grand piano, comprising in combination a strip moving along a normal path of travel and having a polishing surface, said strip including a portion mounted so that it can be moved with respect to the remainder thereof out of the normal path of travel, a carriage, a support adjacent said strip for the article to be polished, said support being mounted for translatory movement and rotary movement through an arc of at least one hundred eighty degrees on said carriage to position various portions of the surface of said article in operative relation to the mentioned portion of said strip, and means for effecting the several movements of said support on said carriage.

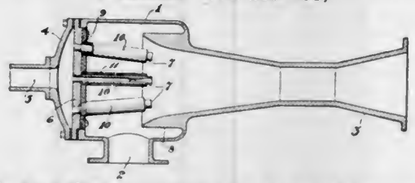
2,074,480

THERMOCOMPRESSOR

John A. MacLean, Hampton, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application March 18, 1936, Serial No. 69,425

3 Claims. (Cl. 230—95)



1. In a thermo-compressor, a casing having an inlet and an outlet, one or more nozzles in line with the outlet, heat insulating covers of rigid material for the nozzles, and a plate of like material mounted in the casing to shield a part thereof, said covers being fixed to the plate to hold them in fixed position.

2,074,481

SCALP CLEANSING DEVICE

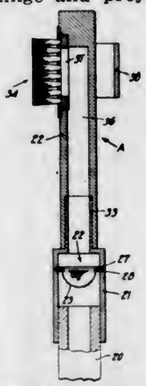
Edward Allan Macmullen and Frances Ann Macmullen, Jackson Heights, N. Y.

Application April 28, 1934, Serial No. 722,861

1 Claim. (Cl. 183—74)

A coupling for a hair cleaning brush and a source of suction in a scalp-cleansing device of the class described, said coupling comprising com-

plemental endwise abutting tubular members, a hinge connecting said members, one of said members having a recess on its outer face, a spring carried by the other of said members at a point opposite said hinge and projecting beyond the



end of said member, said spring having a protuberance in its free end for engagement with said recess, and a removable cup-shaped strainer disposed within said coupling and held therein between the abutting ends of said tubular members.

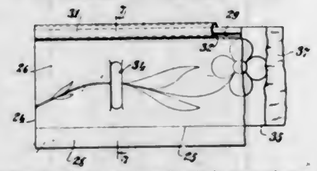
2,074,482

VENETIAN BLIND

Ernest J. Martens, St. Louis, Mo.

Application January 15, 1935, Serial No. 1,866

17 Claims. (Cl. 156—17)



3. A blind slat of material pervious to light having associated therewith means for intercepting light passing through said slat.

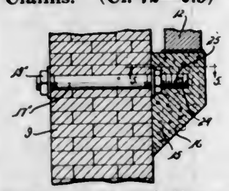
2,074,483

VENEERING CONSTRUCTION

Edward J. Mason and Henry W. Mason, Detroit, Mich.

Application May 25, 1935, Serial No. 23,419

5 Claims. (Cl. 72—0.5)



1. In combination, a foundation wall; a ledge of plastic material engaging the outer surface of the foundation wall and terminating with its upper face substantially flush with the grade line and having its lower face tapered inwardly toward said wall; a layer of brick veneering supported on said ledge; a plurality of bolts projected through said wall and penetrating, at their outer ends, said ledge for securing the same to said wall and accessible at one end from the inner side of said wall; and separate anchoring means carried on the penetrating end each of said bolts.

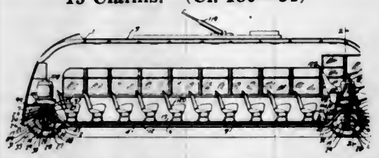
2,074,484

VEHICLE

Edward S. Meehan, Kansas City, Mo.

Application July 26, 1935, Serial No. 33,300

15 Claims. (Cl. 180—54)



1. In a vehicle of the character described, a frame having a dropped central portion and upwardly offset ends, front and rear axles extending transversely of said offset ends, wheels supporting the ends of said axles, means pivotally connecting said axles with the upwardly offset ends of the frame, and means mounted on said offset ends for driving said wheels.

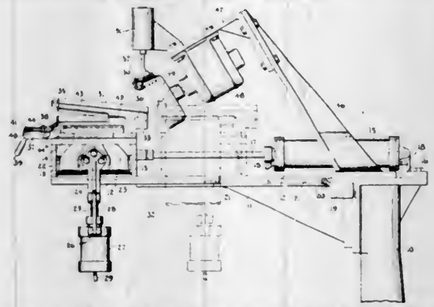
2,074,485

TUBE SPLICING METHOD

George B. Nichols, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application March 28, 1931, Serial No. 526,020

1 Claim. (Cl. 154—14)



The method of splicing portions of unvulcanized hollow rubber articles which comprises bringing opposite walls of said portions into contact with each other by flattening said portions, removing surface layers from said portions by cutting said flattened portions transversely from one lateral edge thereof progressively toward the other lateral edge to expose clean surfaces therebeneath, the cutting edge being substantially perpendicular to the flattened tube portions, and then bringing said clean surfaces forcibly into face-to-face engagement.

2,074,486

MULTIPLE TUBE PUMP

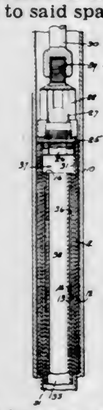
Clifford M. Peters, El Dorado, Ark.

Application May 1, 1936, Serial No. 77,368

4 Claims. (Cl. 103—179)

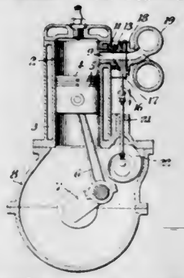
1. In a pump having a discharge pipe with an annular seat adjacent its lower end, a cylinder assembly and a plunger assembly reciprocably cooperating; said cylinder assembly including an annular head adapted to be removably supported by said seat, said head including a standing valve discharging upwardly, two spaced and concentric standing tubes secured to said head and extending upwardly therefrom, an annular spacer secured and sealed around the upper end of the inner of said tubes and a shorter standing tube disposed intermediate said two standing tubes, secured and

sealed to said spacer and depending therefrom; said plunger comprising an annular head, carrying a travelling valve discharging upwardly, a travelling tube secured to said head and depending therefrom, between and having a working fit with the outer and intermediate ones of said standing tubes, an annular spacer secured within and sealed to said travelling tube at the lower end thereof, and a shorter travelling tube secured within and sealed to said spacer, said shorter tube



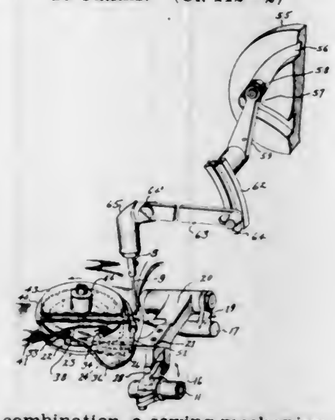
extending upward between said inner and intermediate standing tubes and having a working fit with both thereof, the lower end of said two travelling tubes and the spacer therebetween forming an annular plunger in the annular chamber between the said inner and the outer of said standing tubes, said inner standing tube having openings establishing free communication from said chamber into the bore of said inner standing tube.

2,074,487
VALVE AND VALVE GEAR FOR INTERNAL COMBUSTION ENGINES
Winfield P. Porter, Greene, Maine
Application May 25, 1934, Serial No. 727,408
1 Claim. (Cl. 123—188)



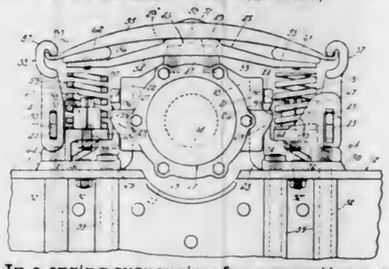
In a valve mechanism for internal combustion engines, the combination of a cylinder having a port therein, a moveable plate-valve supported by said cylinder and having a port therein, said cylinder having a surface fitting said plate-valve, a packing element moveable toward and from and fitting said plate-valve and having a port therein and a cylindrical hub on said packing element with a port therethrough, for which hub the said last mentioned moveable packing element forms a flange, the width of that portion of said flange over which the port of the said valve-plate slides being greater than the diameter of said last mentioned port, the said hub being located in a recess formed in the wall of the engine perpendicular to the axis of the said cylinder, said hub having an exterior annular groove, a split ring located in said groove and bearing against the inner surface of the said recess in said cylinder wall, and a spring directly pressing the said flange against the said plate-valve.

2,074,488
SEWING MACHINE
Emil Prazak, Elizabeth, N. J.
Application April 30, 1935, Serial No. 18,986
10 Claims. (Cl. 112—2)



1. In combination, a sewing mechanism including a vertically reciprocable sewing needle, intermittently rotatable material feeding means operative to turn said material under said needle while the latter is raised, whereby regular stitches are produced in said material extending along a circular path, means for supplying an edging adjacent the periphery of said material, and intermittently operable means for moving said needle transversely outwardly over said edging while the needle is raised and for moving said needle transversely inwardly against said edging while the needle is lowered to thereby press said edging against the periphery of said material, whereby said edging is secured to and indented against the periphery of said material at intervals separated by groups of regular stitches in the material.

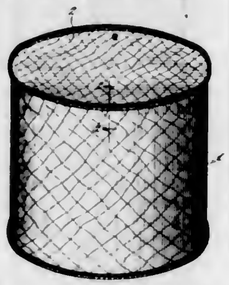
2,074,489
SPRING SUSPENSION
Charles De Los Rice, West Hartford, Conn.
Application May 14, 1934, Serial No. 725,434
10 Claims. (Cl. 105—222)



1. In a spring suspension for supporting a truck frame upon the wheeled axle of the truck of a railway car, a journal box on said axle, a relatively wide spring supported at its central portion upon said journal box and having upturned

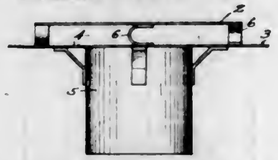
ends, brackets fixed to said frame below the respective ends of said spring and each having a hook portion, a link between each end of said spring and the respective bracket, each link having a downturned upper end fulcrumed on a line extending transversely of the associated end of said spring whereby the link may pivot on the spring longitudinally of the spring and the end of the spring is twisted when the lower end of the link associated therewith moves transversely, said twisting movement of the spring tending to resist and cushion the truck frame against sidesway movement, and means connecting said links to said brackets to permit movement of said truck frame relative to said axle transversely of said frame.

2,074,490
TAMPERPROOF CONTAINER
Sol Schwartz, Chicago, Ill.
Application June 9, 1934, Serial No. 729,781
3 Claims. (Cl. 220—1)



1. A tamper-proof container for the purpose described comprising a sheet metal can having a tubular portion and disc-like ends seamed to said tubular portion, all accessible surface of the outside of said ends being covered with a close meshed pattern lithographed thereon with lithographing material sensitive to disfigurement by heat approximating the fusing point of soft solder.

2,074,491
WIND BAFFLE COWL FOR HEATER STACKS
John R. Smith, Los Angeles, Calif.
Application August 12, 1936, Serial No. 95,614
4 Claims. (Cl. 98—83)



1. A vent pipe cowl comprising a pair of parallel discs having plane annular portions fixed in spaced relation and the lower disc having a centric, circular opening, and a fume outlet part fixed concentrically in the plane of and of smaller diameter than the said opening whereby to form an annular air flow space between the opening edge of the lower disc and the said part; the lower disc being of materially greater diameter than the upper disc; said perforate larger disc acting as a baffle to air currents about the rim of the smaller, upper disc and providing for flow of air upwardly or downwardly, externally about the coplanar end of the said outlet part to thwart the creation of undesired upward draft therein.

2,074,492
MEDICINAL COMPOUND
Wilbur Willis Swingle and Joseph John Pfiffner, Princeton, N. J., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application August 28, 1930
Serial No. 478,558
7 Claims. (Cl. 167—77)

3. The process for obtaining an extract of the cortical hormone from the suprarenal glands comprising treating suprarenal cortex tissue with an organic lipoid solvent of the class consisting of benzol, sulphuric ether, petroleum ether and carbon tetrachloride, removing said solvent leaving a residue, treating said residue with acetone to precipitate lipoids, removing said acetone leaving a residue and subjecting the last mentioned residue to a fractional distribution between aqueous alcohol and petroleum ether, thereby obtaining the cortical hormone in the aqueous alcohol.

2,074,493
PROCESS OF PURIFICATION OF GLAND EXTRACTS
Wilbur Willis Swingle and Joseph John Pfiffner, Princeton, N. J., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application September 4, 1930, Serial No. 479,802. Renewed May 17, 1935
3 Claims. (Cl. 167—77)

1. The method of purifying an extract of the suprarenal gland containing the cortical hormone comprising dissolving material from the cortical portion of the suprarenal gland in a solvent capable of preserving the activity thereof, separating therefrom proteins, inert material, epinephrine, phospholipids, neutral fat and cholesterol, dissolving the cortical hormone obtained from the previous steps in 70% alcoholic solution, distilling said solution in partial vacuo to remove solvents and water, dissolving the residue in 95% ethyl alcohol, and filtering said alcoholic solution through permutit thereby obtaining the entire activity of the cortical hormone free from epinephrine.

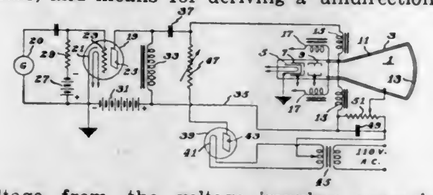
2,074,494
METHOD OF CONCENTRATING LATEX
Douglas Frank Twiss, Wylde Green, Birmingham, and Eric William Bower Owen, Erdington, Birmingham, England, assignors to Dunlop Rubber Company Limited, London, England, a British Company
No Drawing. Application May 19, 1934, Serial No. 726,570. In Great Britain May 20, 1933
6 Claims. (Cl. 106—23)

1. The method of concentrating latex which comprises raising the temperature above 45° C., and centrifugally separating the latex into cream and skim while at a temperature above 45° C.

2,074,495
CIRCUITS FOR CATHODE-RAY TUBES
Arthur W. Vance, Philadelphia, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 29, 1934, Serial No. 746,096
8 Claims. (Cl. 250—27)

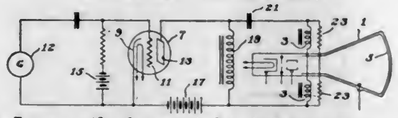
1. In cathode-ray tube apparatus, a cathode-ray tube having deflecting coils, means for producing a flow of saw-tooth current through said

coils whereby voltage impulses appear thereacross, and means for deriving a unidirectional



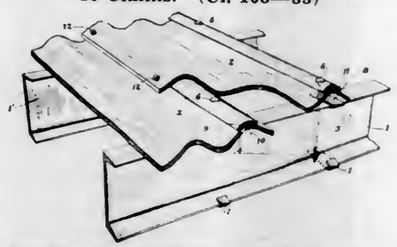
voltage from the voltage impulses appearing across said coils.

2,074,496
TELEVISION DEFLECTING CIRCUITS
Arthur W. Vance, Philadelphia, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 24, 1934. Serial No. 741,230
6 Claims. (Cl. 250—27)



1. In a cathode-ray tube deflecting circuit in which a deflecting coil is connected to be supplied with energy through an electric discharge tube and in which a resistive path is associated with said coil, the method which comprises supplying said coil with energy through said tube and periodically biasing said electric discharge tube substantially beyond the cut-off point and simultaneously discharging the energy stored in said coil through said resistive path.

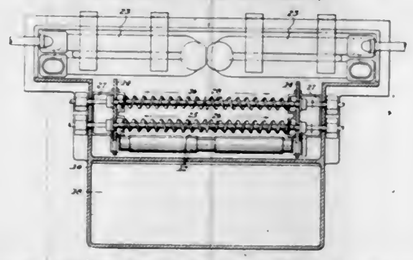
2,074,497
STRUCTURAL ASSEMBLY
Paul A. Voigt, Woodhaven, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application March 30, 1935, Serial No. 13,819
10 Claims. (Cl. 108—33)



1. An assembly including a substructure, corrugated sheets supported thereupon and overlapping at their side portions to form lapped joints extending between adjacent sheets, in direction parallel to the length of the corrugations, and springy concavo-convex reenforcing and flashing strips extending continuously between the overlapping portions of adjacent sheets, the curvature of the said strips being normally greater than the curvature of the overlapping portions of the sheets, whereby resilient close contact between the side edges of the reenforcing and flashing strips and the said overlapping portions is obtained.

10. A reenforcing and vibration-damping member adapted for use as one of the flashing strips in the assembly described in claim 6, the said member comprising a narrow metal strip of concavo-convex cross section and yieldable vibration-damping and flashing material applied to opposite faces thereof.

2,074,498
METHOD AND APPARATUS FOR COATING
Raymond J. Wean, Warren, Ohio, assignor to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio
Application December 21, 1935, Serial No. 55,597
1 Claim. (Cl. 91—12.7)

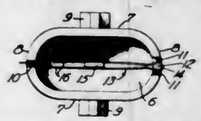


In a coating apparatus including a container for a fluid coating material, means for removing floating accumulations from the surface of said material comprising a screw conveyor having its axis substantially parallel to said surface and helical flights extending into said surface, and a scruff box adjacent one end of the conveyor, the conveyor being effective to feed said accumulations into said scruff box.

2,074,499
COLORING MATERIAL
Davidson C. Wysor, Ridgewood, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Original application June 13, 1931, Serial No. 544,292. Divided and this application June 21, 1933, Serial No. 676,921
9 Claims. (Cl. 134—58)

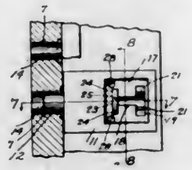
4. The method of preparing coloring material which comprises heating mica containing iron at temperatures of substantially 750° C. to develop a golden to bronze color in the mica.

2,074,500
MOLD FOR FROZEN CONFECTIONS
Bertrand L. York, Piedmont, Calif.
Application May 22, 1936, Serial No. 81,185
1 Claim. (Cl. 107—19)



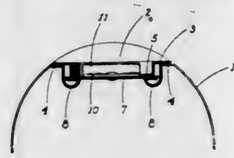
The combination of a mold body having integral side and end walls to provide a recess having a bordering rim, said rim having a notch therein, a lug positioned on said rim at a point opposite said notch, and means for engaging and supporting an object within said recess, said means comprising a strip of flexible material doubled upon itself to provide a member having a loop at one end thereof adapted to encircle and frictionally engage said lug, and at its other end to frictionally engage said mold body within said notch.

2,074,501
WINDOW SASH LOCK
Bertram F. Cline, Los Angeles, Calif.
Application October 23, 1935, Serial No. 46,307
2 Claims. (Cl. 292—60)



1. A window sash lock comprising a plate formed with a depression therein and a sleeve-bearing at the rear of said depression opening at its front side into said depression, and said plate being bent at one end to form an end flange, said flange being formed with a bearing in alignment with said sleeve-bearing, a slide bolt mounted to slide in said sleeve-bearing and through said flange-bearing, and an arm on said bolt projecting through said open side of said sleeve bearing into said depression.

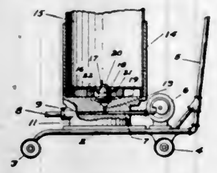
2,074,502
SHEET METAL GATE FOR IRRIGATION PIPES
Henry F. Congable, Oakland, Calif.
Application December 14, 1934, Serial No. 757,490
1 Claim. (Cl. 251—56)



A gate for irrigation pipes comprising an open frame adapted to be seated in the periphery of an opening in a pipe, the outer edge of said frame being provided with a radially extended peripheral supporting flange, and the inner edge of said frame being provided with a second flange extended radially inward, relatively spaced inwardly extended guide members having walls parallel with the side wall of said frame and provided with resilient portions terminating in flat flanges which are disposed opposite to portions of said inner flange and in positions nearer the longitudinal median line of the frame than said supporting flange, a gate slidably mounted between the inner flange and the flanges of said resilient members, and having frictional engagement therewith, and a handle projecting outwardly from said gate into the space surrounded by said frame and movable within a space lying between the planes of said flanges.

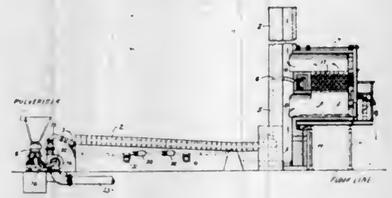
2,074,503
LUBRICATING DEVICE
Adiel Y. Dodge, South Bend, Ind., assignor to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware
Application February 1, 1932, Serial No. 590,049
10 Claims. (Cl. 221—47.1)

1. In a lubrication device, a container for lubricant, a closure for the lower end of said container formed with a frangible seal, the relationship between the rupturing pressure of said seal and the weight of said container being such as to cause said seal to rupture under a force in pounds less than the weight of said container, a support for said container including a lubricant conducting stud so arranged on said support as to extend



through the frangible seal of said closure under the force of gravity acting upon the container when the container is in place thereupon and to cooperate with the wall of said closure to provide a lubricant tight seal therebetween.

2,074,504
POWDERED COAL FURNACE
William H. Fitch, Plainfield, N. J.
Application June 12, 1933, Serial No. 675,402
4 Claims. (Cl. 110—104)

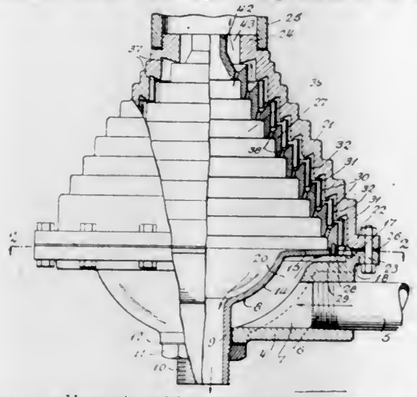


1. A fuel economizer for powdered coal furnaces comprising a combustion chamber, a stack that is closely connected to the outlet of the combustion chamber, a recuperator chamber built on the side of the stack and connected thereto by means of an opening from the stack situated above the combustion chamber and passing into the lower part of the recuperator chamber and also by means of an opening from the upper part of the recuperator chamber into the stack, a baffle placed in the stack at a height intermediate of the heights of said lower opening and said upper opening, two opposite walls of the recuperator chamber being provided with openings, a plurality of non-metallic recuperator tubes communicating at their ends with said openings, an insulated conduit communicating with the openings in one of said walls, said recuperator tubes being composed of a material having a thermal conductivity substantially greater than that of fire-clay, a fan having its intake communicating with said insulated conduit, powdered coal burners connected to the outlet of said fan and to said combustion chamber, a coal pulverizer adjacent said burners and communicating with said fan, and a short by-pass connection from said insulated conduit to said pulverizer for passing a portion of the preheated air into the pulverizer to improve the drying and pulverization of the coal prior to its injection into the burners.

2,074,505
STEAM PURIFYING DEVICE
Julius Goldstein, Brooklyn, N. Y.
Application October 12, 1935, Serial No. 44,659
4 Claims. (Cl. 183—79)

4. A steam purifying device, comprising means forming a zig-zag passage extending slantingly

upward, and plates situated within said zig-zag passage, outlet openings being formed in said



means adjacent said plates to remove a fluid passing through said zig-zag passage.

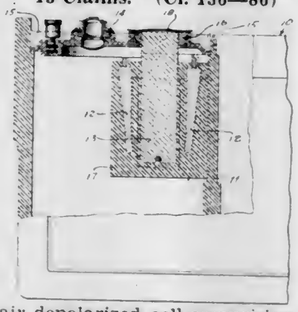
2,074,506

CLOSURE FOR BATTERIES

George W. Heise, North Olmsted, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application September 18, 1931, Serial No. 563,629

13 Claims. (Cl. 136—86)



4. An air depolarized cell comprising a casing; a cathode having an exposed moisture pervious portion outside of said casing; a thermoplastic compound around the exposed portion of said cathode; a component of said battery within said casing which is adversely affected by normal atmosphere; and a thin sheet of material impervious to moisture covering the exposed portion of said cathode and adhering to said compound.

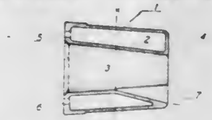
2,074,507

BLAST FURNACE TUYÈRE

John B. Henry, Aspinwall, Pa.

Application November 30, 1935, Serial No. 52,370

4 Claims. (Cl. 266—41)



1. A blast furnace tuyère comprising a body having a main passage of gradually reducing cross-section toward the nose of the tuyère for the transmission of air and a joining divergent groove communicating with said main passage progressively reducing in cross-sectional area from the nose of the tuyère to the rear thereof so that the combined area of the main passage and divergent groove will be no greater at the outlet end of the passage than at any point between inlet and outlet.

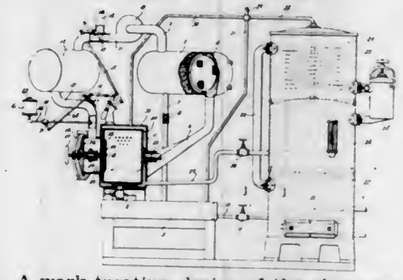
2,074,508

DRY CLEANING APPARATUS

Russell A. Hetzer, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio

Application May 19, 1934, Serial No. 726,460

10 Claims. (Cl. 68—38)



1. A work treating device of the character described comprising a stationary casing having an opening, a drum rotatable therein having an opening substantially concentric with its axis of rotation, a seat disposed around the opening in said drum, a closure for the opening in said casing and a closure for the opening in said drum, said closures being mounted to move as a unit between open and closed position, the closure for said drum being rotatable and yieldingly mounted with respect to the casing closure, whereby when the unit is closed the drum door will be forced into engagement with the drum seat and will rotate therewith.

6. A work treating device of the character described, including a stationary casing, a cylindrical foraminous drum rotatable therein on a horizontal axis, a closure unit therefor including casing and drum door members of circular form mounted to move together as a unit between open and closed positions and which in closed position are substantially concentric with the drum axis, said two door members being spaced from each other, a conduit connected to the space between said doors, and a conduit connected to the casing wall, for circulation of air from conduit to conduit and thereby through the work and rotatable drum.

2,074,509

PROCESS FOR THE MANUFACTURE OF ARTIFICIAL RESINS

Herbert Hönel, Vienna, Austria, assignor to Beck, Koller & Company, Inc., Detroit, Mich., a corporation of Delaware

No Drawing. Application July 5, 1934, Serial No. 733,895. In Austria July 14, 1933

6 Claims. (Cl. 260—8)

1. A process for the manufacture of an artificial resin which comprises slowly heating phthalic anhydride, glycerine and castor oil up to temperatures not substantially below 260° C. nor substantially above 270° C. and maintaining the temperature within this range for a sufficiently prolonged period to obtain a reaction product which is readily soluble in benzene hydrocarbons and which has a distinct drying capacity.

2,074,510

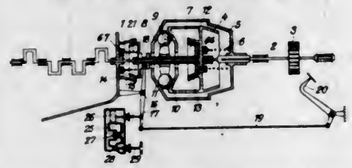
CENTRIFUGAL FRICTION-CLUTCHING DEVICE

Hugo Junkers, Dessau, Germany, assignor, by mesne assignments, to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany

Application November 30, 1931, Serial No. 577,916

In Germany December 10, 1930

11 Claims. (Cl. 192—103)



1. A centrifugal friction-clutching device comprising a main clutch including a driving and a driven part, friction faces on both parts, centrifugal elements adapted to connect said friction faces for torque transmission, a holder for said centrifugal elements which is arranged to move independently of said driving and driven parts, an auxiliary clutch adapted to connect said holder to said driving part, and means adapted to be operated independently of the operating condition of the main clutch for throwing in and out said auxiliary clutch.

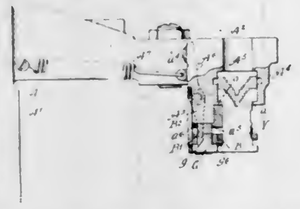
2,074,511

TYPOGRAPHICAL CASTING MACHINE

George P. Kingsbury, Hollis, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York

Application December 12, 1935, Serial No. 54,034

22 Claims. (Cl. 199—49)



1. In or for a typographical casting machine adapted to be equipped with a set of regular two-letter matrices having characters of a given range in size or with a set of special two-letter matrices having characters of a greater range in size, a line transporter provided with means for supporting composed lines of either regular or special matrices at a common lower level to locate their upper characters in casting position, and with adjustable means common to the matrices of both sets for supporting them at relatively different upper levels to locate their lower characters in casting position.

2,074,512

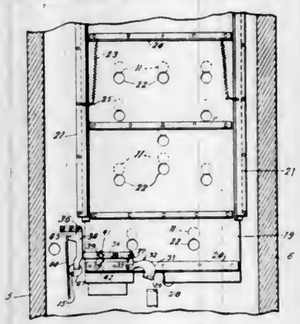
BALL STOP MECHANISM FOR PIN GAME APPARATUS

Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois

Application August 7, 1935, Serial No. 35,147

6 Claims. (Cl. 273—121)

1. In a pin ball game, the combination with a playing board having openings therein through which a ball may pass, a projector on the board, and means for returning a played ball to the board in position to be struck by the projector, said means including a gate member movably supported beneath the board and normally held in position to prevent passage of a ball therethrough, and manually operable means for moving said gate member to ball releasing position, of means operated by said gate member moving means and including a ball obstructing element movable by said last mentioned means into the path of the ball on the board for holding a ball, which has been returned to the board, away from the projector while said gate member is in ball releasing position.



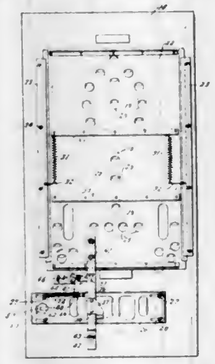
2,074,513

BALL ELEVATOR LATCH FOR PIN GAME APPARATUS

Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois

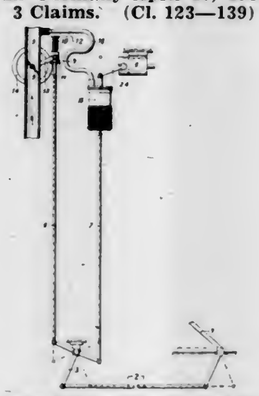
Application August 7, 1935, Serial No. 35,148

5 Claims. (Cl. 273—121)



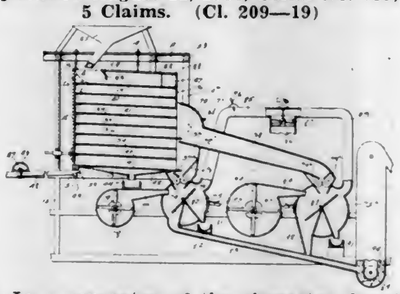
1. In a pin ball game, the combination of a playing board having openings therein through which a ball may pass, a projector, a gate member movably supported beneath the board and normally positioned to prevent passage of a ball therethrough, manually operable means for moving said gate member to ball releasing position, and an elevator for lifting a ball from beneath the board into position to be struck by the projector, means for operating the elevator while the gate member is in normal position, means operated by said gate member moving means for latching the elevator to prevent operation thereof while said gate member is in ball releasing position.

2,074,514
CONTROL OF INTERNAL COMBUSTION ENGINES
Eugen Ludwig Müller, Berlin, Germany
Application March 18, 1936, Serial No. 69,581
In Germany April 17, 1935
3 Claims. (Cl. 123—139)



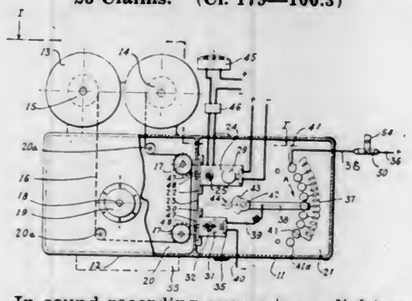
1. In an internal combustion engine in which air and fuel are admitted prior to or during the compression stroke, the combination of a fuel pump driven by the engine, means governed by the operator for regulating simultaneously the air and the quantity of fuel delivered by said pump, including a pump control rod, and means for varying the length of said rod automatically in dependance on the suction in the induction pipe to modify the setting of the pump control determined by the operator.

2,074,515
SEPARATOR
Valdis M. Pyatt, Great Falls, Mont.
Application August 11, 1934, Serial No. 739,483
5 Claims. (Cl. 209—19)



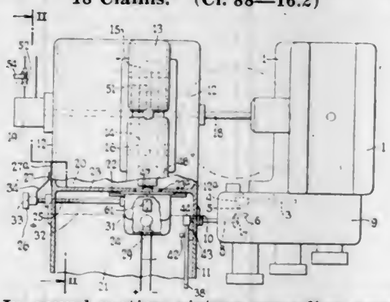
3. In a separator of the character described, a casing, a plurality of screens therein successively decreasing in mesh downwardly, the casing at its forward end above certain of the uppermost screens having lateral discharge openings, the screen below the said uppermost screens having forwardly discharging openings, means for suspending the casing for free swinging movement in all directions, means for giving a rotatory movement to the casing, riffled troughs receiving the discharge from the uppermost screens, an air trunk receiving material discharged from the lower screens, force feed rollers disposed at the entrance end of said air trunk causing the discharge of materials thereinto but preventing the discharge of air therefrom, a deflector upon which the materials are received, a blower having a nozzle discharging into the air trunk across the upper end of the deflector, the air trunk having a discharge opening beyond the deflector, and means for receiving the fine material that is discharged therefrom, the trunk on that side of the deflector adjacent the fan having a discharge opening for the coarse materials, and a dust pipe leading from the air trunk and having therein a suction fan.

2,074,516
SOUND RECORDING APPARATUS
Oscar A. Ross, New York, N. Y.
Application June 10, 1936, Serial No. 84,594
25 Claims. (Cl. 179—100.3)



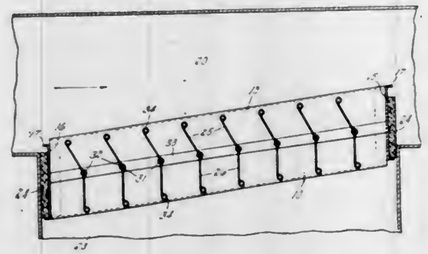
1. In sound recording apparatus, a light sensitive film, means for advancing said film uniformly, means including a microphone and an energized circuit for producing modulated energy corresponding to sound directed into said microphone, means including a light valve actuated in response to said modulated energy for projecting modulated light corresponding to said sound onto a portion of said film for photographically recording a record of said sound thereonto, means including a fogging beam of light projected onto the same portion of said film onto which said modulated light is projected for light fogging said sound record portion, and means for varying the amount of light in said light fogging beam for selectively varying the degree of light fogging of said sound record portion.

2,074,517
SYSTEM FOR SYNCHRONOUSLY RECORDING ACTION AND SOUND
Oscar A. Ross, New York, N. Y.
Application September 2, 1936, Serial No. 99,177
18 Claims. (Cl. 88—16.2)



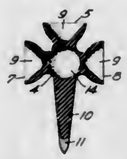
1. In sound motion picture recording apparatus, means for recording scene, means for recording sound, means for effecting synchronous operation of the scene and sound recording means, means for fading the scene record during the recording thereof, means for fading the sound record independently of the recording of the sound by said sound recording means, and means for effecting synchronous operation of the scene and sound fading means.

2,074,518
AIR DISTRIBUTION APPARATUS
Henry C. Sandberg, Wethersfield, Conn.
Application November 8, 1935, Serial No. 48,818
6 Claims. (Cl. 98—110)



1. An air distribution apparatus comprising a supply duct having a current of air flowing therethrough, a branch duct communicating at one end with the supply duct and at the other end with a room, means positioned at the junction of said ducts and arranged to control the flow of air therebetween, said means including a plurality of individually adjustable vanes each of which is arranged to deflect a predetermined amount of air from the supply duct into the branch duct, a second set of individually adjustable vanes cooperable with said first mentioned vanes and means individually securing each vane in adjusted position whereby the deflected air currents may be regulated to flow as desired into the room.

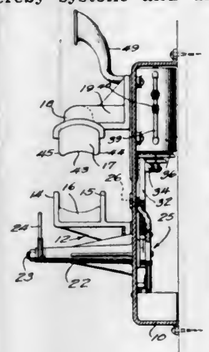
2,074,519
GOLF TEE
Edward A. Shephard, Oakland, Calif.
Application September 27, 1935, Serial No. 42,475
2 Claims. (Cl. 273—33)



1. A golf tee comprising a resilient chambered body having a normally closed duct therein and provided with a ground engaging stem and with a portion having a recess therein, and said duct being in communication at one end with the chamber in said body and at the other end opening into said recess.

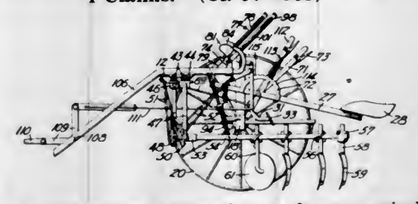
2,074,520
BLOOD PRESSURE TESTING APPARATUS
George Albert Snyder, West Hollywood, Calif.
Application January 9, 1934, Serial No. 705,901
14 Claims. (Cl. 73—44)

14. A blood pressure testing apparatus comprising two pressure pads relatively movable toward and away from each other, one of said pads having a hermetically sealed flexible inflated portion, manually set means for moving one of the pads toward the other for creating a desired pressure against an arm disposed between said pads, means acting to gradually separate the pads to relieve the pressure against the arm of a patient, a pressure guage in communication with the hermetically sealed inflated portion of the pad, and a sound pickup associated with one of the pads whereby systolic and diastolic blood



pressure readings may be made in conjunction with the guage.

2,074,521
CULTIVATOR
George Souza and Edward Souza, Irvington, Calif.
Application April 28, 1936, Serial No. 76,744
4 Claims. (Cl. 97—155)

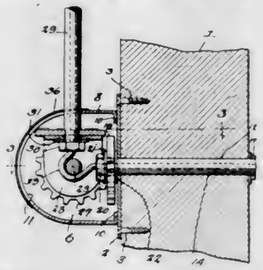


1. A cultivator comprising a frame, spindles pivotally mounted on said frame, wheels rotatably mounted on said spindles, arms secured to and extending from said spindles, a tie rod connecting said arms for movement together, a pair of shafts mounted on said frame for relative axial movement, a plurality of bars pivotally connected with each of said shafts, alternate bars being carried by the respective shafts, cultivator plows carried by said bars, a pair of foot operated levers mounted on said frame, means for connecting said levers with said tie bar whereby said tie bar is moved axially when said foot operated levers are depressed to move said wheels relatively to said frame to steer the cultivator in lateral directions, means for connecting said tie bar and said shafts together whereby said shafts are moved axially with said tie bar when the latter is moved, and means for moving said shafts axially of each other in opposite directions independently of said tie bar to move said plow bars toward and away from each other, said means comprising a lever pivotally carried by said tie bar, links pivotally connecting opposite ends of said lever with the respective shafts, an arm extending from said lever, an operating lever pivotally mounted on said frame, and a rod connecting said lever arm and said operating lever for movement together.

2,074,522
AUTOMOBILE SEMAPHORE
William B. Summerall, Atlanta, Ga.
Application January 4, 1935, Serial No. 443
1 Claim. (Cl. 116—51)

In a signal for autos, a casing having an opening, an operating shaft journaled in the casing,

a second shaft journaled in the casing and located at right angles to the operating shaft, a yoke secured to the second shaft, within the casing, a signal arm journaled in the yoke and disposed approximately at right angles to the second shaft, the signal arm being movable transversely in the opening of the casing, intermeshing gear members secured to the shafts, the gear



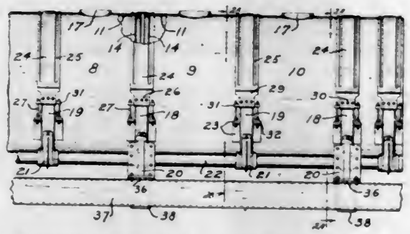
member of the second shaft being located between one side portion of the yoke and one side portion of the casing, a third gear member secured to the signal arm, and a fixed rack means with which the third member meshes, the said rack means being disposed between the opposite side portion of the yoke and the corresponding side portion of the casing.

2,074,523

TANK ASSEMBLAGE

Frederick G. Thwaits, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin

Application November 5, 1934, Serial No. 751,529
5 Claims. (Cl. 280—5)



1. A tank assemblage, comprising, alined tank compartments having peripherally recessed adjacent ends, a saddle coacting with the lower portion of said compartment ends and terminating near the medial opposite side portions of said compartments, members projecting outwardly from said saddle below the ends thereof, a strap coacting with the top and side portions of said compartment ends and recesses and having depending ends provided with laterally extending projections, clamping blocks engaging said projections and secured to said strap ends, and adjustable means connecting said blocks and said members.

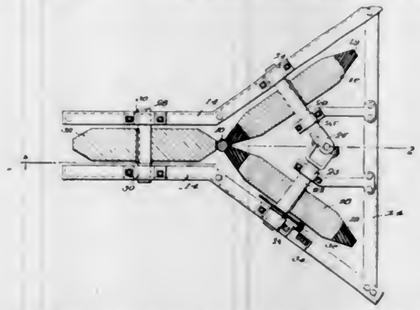
2,074,524

MEASURING DEVICE

Daniel W. Uber, Kane, Pa.

Application April 16, 1936, Serial No. 74,770
2 Claims. (Cl. 33—134)

1. A measuring device for ascertaining the length of cables or the like comprising a frame, a pair of measuring rollers mounted upon shafts journaled in said frame the longitudinal axes of which occupy a common plane and are inclined at an acute angle towards each other, the adjacent ends of said shafts being connected together by a flexible coupling whereby said rollers are compelled to rotate in unison, said rollers being adapted to derive rotational movement by trac-



tion of their peripheries with the surface of said cable, a pressure roller for maintaining said cable in tractional contact with the peripheries of said measuring rollers, and an indicating device operable from one of said shafts.

2,074,525

WATCH

Richard H. Whitehead, New Haven, Conn., assignor to The New Haven Clock Company, New Haven, Conn., a corporation of Connecticut

Application November 24, 1936, Serial No. 112,482
3 Claims. (Cl. 58—88)



2. A watch structure comprising: a center-band having a front-edge surface surrounding a front opening; a movement-unit having front and rear movement-plates secured together in spaced relation and adapted to be inserted through said front opening into assembled position; a dial-plate engaging against said front-edge surface of the center-band, said dial-plate being secured to and carrying said movement-unit and having an annular shoulder; and a bezel-ring engaging the annular shoulder of said dial-plate and said center-band and clamping the dial-plate against said front-edge surface of the center-band.

2,074,526

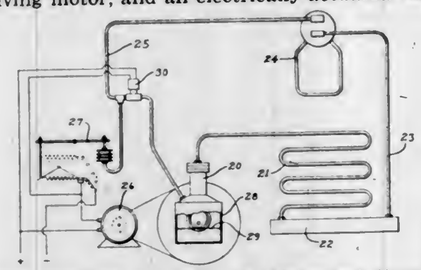
REFRIGERATING APPARATUS

Harry M. Williams, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application April 30, 1934, Serial No. 723,144
7 Claims. (Cl. 62—4)

1. Refrigerating apparatus including a refrigerant evaporating means and a refrigerant liquefying means for supplying liquid refrigerant thereto and for withdrawing evaporated refrigerant therefrom, said refrigerant liquefying means having a compressor and an electric motor for driving the compressor, said compressor having a refrigerant inlet, a refrigerant outlet and a lubricant reservoir containing a lubricant miscible with the refrigerant, an electric switch for

controlling the operation of the compressor driving motor, and an electrically actuated valve



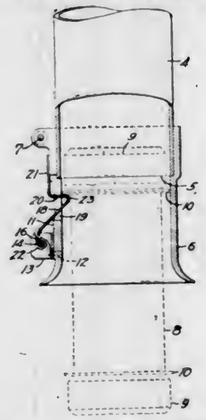
for controlling the flow of refrigerant through said compressor inlet.

2,074,527

PNEUMATIC CONVEYER

James Edgar Woodruff, Oakland, Calif.

Application November 30, 1935, Serial No. 52,383
2 Claims. (Cl. 243—19)



1. The combination, in a pneumatic conveyer system comprising a conduit through which objects may be dispatched, said conduit having an open end, of a latch disposed adjacent said open end for permitting passage of objects in one direction through said opening and for preventing passage of objects in the other direction through said opening, said latch comprising a pivot mounted externally of said conduit adjacent said opening, a strip of substantially inflexible material having one end journaled on said pivot, a portion directed inwardly into said opening and disposed at an angle with the axis of said conduit, an outwardly directed portion lying at substantially right angles with said axis and a manually engageable portion extending from said conduit, and means for resiliently urging said strip into said opening.

2,074,528

PURIFICATION OF CAPRYL ALCOHOL

Chester E. Andrews, Overbrook, and Lloyd W. Covert, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application February 6, 1935, Serial No. 5,244
5 Claims. (Cl. 260—156)

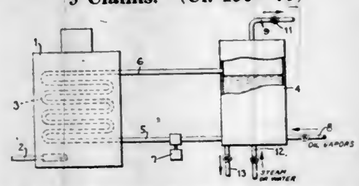
1. The process of preparing substantially pure capryl alcohol from mixtures containing capryl alcohol and methyl hexyl ketone, comprising the conversion of the methyl hexyl ketone contained in the mixture to capryl alcohol by catalytic hydrogenation at pressures of from 125 to 3,000 lbs. per square inch and temperatures of from 150° to 200° C.

2,074,529

METHOD OF UTILIZATION OF MOLTEN MATERIAL AS HEAT TRANSFERRING MEDIUM

Maurice H. Arveson, Highland, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill., a corporation of Indiana

Application January 3, 1935, Serial No. 305
9 Claims. (Cl. 196—70)



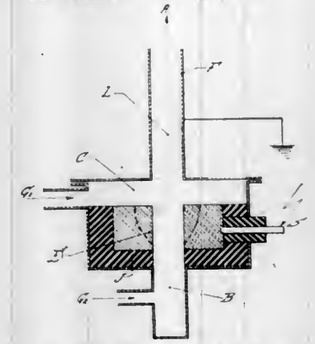
1. In an operation wherein hydrocarbon fluid is raised to an elevated temperature by passing it in heat exchange relation with a normally solid molten material maintained at an elevated temperature by applying heat thereto during the passage of hydrocarbon fluid in heat exchange relation therewith, the improvement in shutting down the operation that comprises discontinuing the application of heat to and the passage of hydrocarbon fluid in heat exchange relation with the molten material and thereafter continuously introducing an aqueous solution capable of lowering the melting point of the molten material at decreasing temperatures into contact with the molten material to thereby progressively decrease the temperature thereof and maintain it in molten condition throughout the drop in temperature and at substantially atmospheric conditions.

2,074,530

WORKING UP GASES CONTAINING HYDROCARBONS IN ELECTRIC ARCS

Paul Baumann, Ludwigshafen-on-the-Rhine, Robert Stadler, Ziegelhausen, and Heinrich Schilling, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany

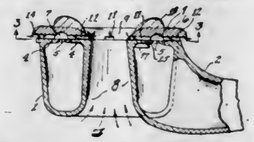
Application July 30, 1932, Serial No. 626,472
In Germany August 4, 1931
13 Claims. (Cl. 204—31)



1. In the production of acetylene by treatment of a gaseous hydrocarbon in the electric arc

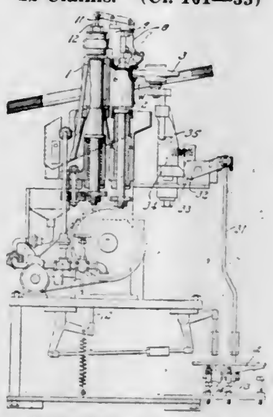
the step of continuously causing the striking points of the electric arc to rapidly move on the surfaces of both electrodes to or from different points on each electrode.

2,074,531
GAS BURNER
Joseph Becvar, Wickliffe, Ohio, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio, a corporation of Ohio
Application October 27, 1934, Serial No. 750,347
6 Claims. (Cl. 158—116)



2. A gas burner comprising a body member having a mixing tube communicating with the interior thereof and having an annular gas discharge passage, and a plurality of circumferentially spaced elements within said passage, said elements being gradually reduced in section laterally in the direction of flow of gases from the body through said passage whereby the stream of gases issuing from the passage between adjacent elements is directed for merging its margins with the margins of adjacent streams.

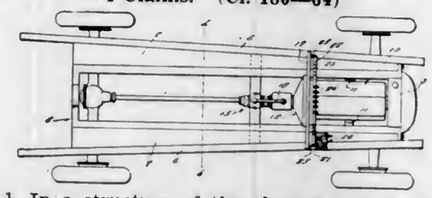
2,074,532
GRAINING
Walter G. Bihler and Howard J. Schuldt, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 27, 1936, Serial No. 87,691
12 Claims. (Cl. 101—35)



1. The method of printing on contoured surfaces with an elastic roll having the elastic material overhanging at the end of the roll which comprises the forcing of the overhanging end of the elastic material into a contour approximating the contour of the surface to be printed upon and into contact with such surface.

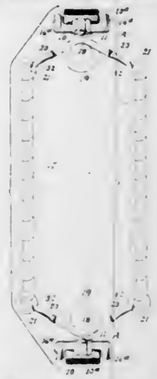
5. An apparatus for graining or printing on contoured work, the combination of an etched roll, an elastic transfer roll in contact with the etched roll and having a recess at the end of the elastic material on the roll to provide a flexible overhanging end portion and means for turning the overhanging elastic portion of the roll outwardly over the contour of the work.

2,074,533
MOTOR VEHICLE CHASSIS CONSTRUCTION
George M. Bicusa, West Melrose Park, Ill.
Application September 28, 1936, Serial No. 103,044
4 Claims. (Cl. 180—64)



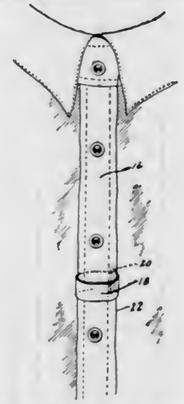
1. In a structure of the class described, relatively stationary chassis bars, track bars carried thereby, an auxiliary frame including track members slidable in said track bars, a radiator on the frontal portion of said auxiliary frame, a motor pivotally mounted intermediate its ends inwardly of the radiator and between the side bars of said auxiliary frame, transmission means associated with the motor and including a power supply shaft, said power supply shaft having a polygonal coupling portion adapted for separable connection with a universal joint, a storage battery on the chassis frame, a dashboard, a metal conductor strap mounted on said dashboard and electrically connected with the storage battery and provided with accessories to facilitate attachment of conducting wires therewith.

2,074,534
SKID CHAIN
George L. Briggs, Oneida, N. Y.
Application July 30, 1936, Serial No. 93,359
9 Claims. (Cl. 152—14)



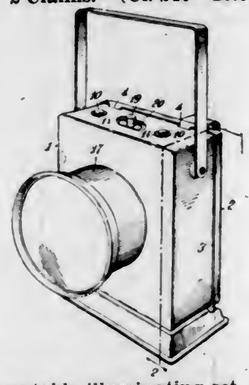
1. In a skid chain device for automotive vehicle wheels, having compressible resilient tires, the combination, with a plurality of chains, and two yoke devices connected to the respective opposite ends of the chains, each yoke device having an enlarged central portion with flat sides, and two arms extending therefrom, the respective chains being connected to the ends of the corresponding arms of the yoke device, of a pair of hook-carrying members, each provided with a hook having a flat inclined inside wall arranged to engage a flat side of the central enlarged portion to hold the latter at an angle to keep the chains away from the corresponding side wall of the tire when the skid chain device is mounted on a wheel, said hook-carrying member comprising a part arranged to engage the inner peripheral surface of the rim, a part arranged to engage the outer peripheral surface of the rim and a part arranged to engage the edge of the rim to determine the positions of the other two parts relative to the rim, each hook facing toward the center of the wheel when mounted thereon.

2,074,535
NECKTIE RETAINER
Gertrude E. Brokering, Dayton, Ohio
Application July 2, 1936, Serial No. 88,609
2 Claims. (Cl. 2—115)



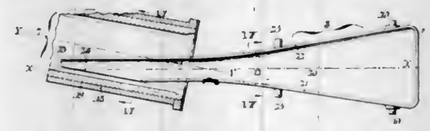
1. In a combination of a shirt and a four-in-hand necktie including a pair of loops, one of said loops passing through an opening in the bosom of the shirt and linking the hem-like member extending downwardly along the hem of the shirt so as to be carried solely by the shirt, the other loop being attached to the rear side of the large and forward end of the necktie, characterized by the smaller end of the necktie being interlaced through the loop on the rear of the larger end of the necktie and the loop on the shirt so as to hold the larger end of the necktie in fixed relation with respect to the loop linking the hem-like member of the shirt.

2,074,536
PORTABLE ELECTRIC LAMP CASING
Le Roy O. Brown, Chicago, Ill., assignor to Just-rite Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 2, 1935, Serial No. 34,422
2 Claims. (Cl. 240—10.6)



1. In a portable illuminating set, a battery cell casing comprising two separable members, one thereof being equipped with a circuit controlling switch, an insulating plate mounted in the other of said members, a plurality of sets of battery engaging and supporting members secured to said plate, means on said plate for electrically connecting said cell supporting members for determining the voltage of the current generated by the battery cells, means for securing said plate to said last-mentioned member whereby one terminal of the battery cell circuit is grounded on the casing, a lamp circuit terminal grounded to the first-mentioned member, a lamp circuit terminal connected with the switch and insulated from the casing, one of the switch terminals being grounded to the casing, said battery cell carriers and switch being arranged relatively to each other to cause the battery cell circuit to be disposed for control by the switch as said members are inter-engaged with each other.

2,074,537
POURING SPOUT ADAPTED FOR USE WITH CENTRIFUGAL CASTING MACHINES
Louis A. Camerota, Burlington, N. J., assignor to Florence Pipe Foundry & Machine Company, Florence, N. J., a corporation of New Jersey
Application July 20, 1935, Serial No. 32,320
2 Claims. (Cl. 22—79)



1. In combination, a horizontal rotary mold, and a pouring spout adapted to be maintained in fixed relation to the mold while discharging metal therein to form a centrifugal casing, said spout, as viewed from above, defining a substantially straight channel entering one end of the mold at an angle to the longitudinal axis thereof, and terminating near said end of the mold in a pouring edge so formed as to cause a ribbon of metal to be laid tangentially upon the inner surface of the mold and to cause said ribbon of metal to travel forwardly therein with spiral convolutions, and said spout, as viewed in side elevation, being inclined sharply downward toward the end of the mold with the portion of the spout within the mold disposed in a substantially horizontal plane.

2,074,538
FUSE
Nicholas J. Conrad, Winnetka, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application May 23, 1931, Serial No. 539,436
37 Claims. (Cl. 200—120)

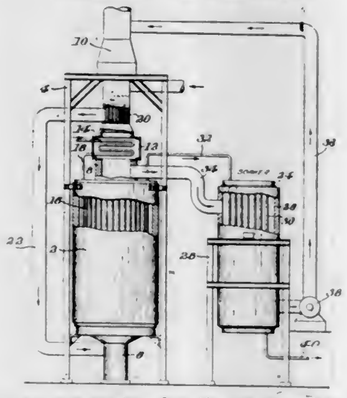
1. A fuse comprising a tubular member having contact ferrules at the opposite ends thereof and a fuse wire maintaining an electric connection between them, spring means normally under tension and released upon blowing of the fuse to produce an extended gap in the circuit between the ferrules, a bath of insulating arc quenching liquid within the tubular member for quenching any arc that may form during the drawing of said gap, and a vent cap closing the top of the upper ferrule and adapted to be blown outwardly upon the violent blowing of the fuse, said vent cap comprising a diaphragm mechanically clamped along its entire periphery tightly against the ferrule by means including a nut threaded to the ferrule and a wedge held in position by the nut, said

clamped diaphragm providing a seal against outward creepage of the liquid within the tube which



seal is free of self setting plastic sealing compounds.

2,074,539
TREATMENT OF HYDROCARBON OILS
Luis de Florez, Pomfret, Conn., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application July 25, 1931, Serial No. 553,025
2 Claims. (Cl. 196—116)



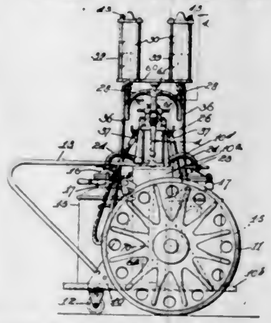
2. In an apparatus for the conversion of hydrocarbon oils, a vertical tube heater disposed within a furnace, means for producing hot combustion gases for heating said vertical tube heater substantially entirely by radiant heat, a vertical tube soaker outside and adjacent the furnace, a preheating chamber connected to said combustion chamber and having heat-absorbing tubes therein for preheating the fluid, means for circulating a regulated portion of flue gases directly from the furnace, after passing in radiative heat exchange relation with said vertical tube heater and before passing through the preheating chamber, in contact with the soaker section to heat the same substantially entirely by convection, means for conducting the remaining portion of the gases, after passing in radiative heat exchange relation with said vertical tube heater, directly from said furnace into the preheating chamber without coming in contact with said soaker section, an air preheater preheated by waste gases, means for conducting preheated air to said combustion chamber, a conduit for removing gases from said soaker section and a fan in said conduit to regulate the amount of gases circulated directly from the furnace to said soaker section.

2,074,540
BAIT HOLDER
Benjamin L. Dorsey, Los Angeles, Calif.
Application August 23, 1935, Serial No. 37,539
3 Claims. (Cl. 43—40)



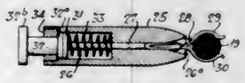
1. A bait holder including a hook having an eyelet, pairs of crossed clasping arms detachably connected to the eyelet of said hook, and barbs integral with the ends of said arms arranged to hold a live bait so a fish hook is carried on its back.

2,074,541
LIQUID DISPENSING APPARATUS
Charles M. Drinkwater, Chicago, Ill.
Application March 16, 1931, Serial No. 522,834
Renewed February 14, 1936
9 Claims. (Cl. 221—100)



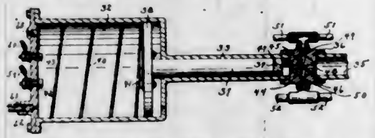
1. A liquid dispensing apparatus comprising a dispensing receptacle which is normally sealed at substantially atmospheric pressure, a bulk storage container for the liquid, a conduit connecting said receptacle and said container, and means interposed in the conduit for withdrawing the liquid from the storage container and forcibly discharging it into the receptacle and thus compressing the volume of air therein and creating substantial potential energy, the receptacle having a discharge opening for dispensing the liquid under pressure of said compressed air, said connection of the conduit to the receptacle being adjacent the bottom and including an extension projecting upwardly into said receptacle and terminating adjacent the upper end thereof.

2,074,542
CIGARETTE HOLDER
Moffett W. Eldridge, Charlotte, N. C.
Application June 1, 1934, Serial No. 728,580
1 Claim. (Cl. 131—51)



A cigarette holder comprising a cylindrical member having a longitudinal bore therein extending for a portion of the length of said member, the other portion of said member having a second longitudinal bore which is much larger than the first bore, the said bores being concentric and the proximate ends communicating with each other, a pin having a forked end mounted for sliding movement in said first and smaller bore, the forked end being resilient and tending to spread to open position, the outer end of the first bore flaring outwardly to serve as cam faces for moving the forked end to clamping position on a cigarette when the pin is moved in one direction, an intermediate portion of said pin having an enlargement thereon, and a compression spring disposed around said pin between the inner end of the smaller bore and said enlargement and serving to move the pin in a direction to close said jaws.

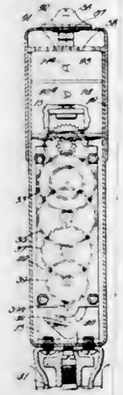
2,074,543
HIGH PRESSURE GAS COMPRESSOR
John H. Feaster, Des Moines, Iowa, assignor of one-half to Clarence H. Pritchard, Des Moines, Iowa
Application March 27, 1935, Serial No. 13,251
3 Claims. (Cl. 230—49)



1. In a device of the class described, in combination, two cylinders, a four-way rotatable valve having a rotatable portion with two passageways extending completely through it, and a fixed portion having four branch passageways; said valve designed to have one of its branch passageways in communication with a source of fluid under pressure, one of its branch passageways acting as an escape passageway and having its two remaining branch passageways communicating with the inside end of each of said two cylinders respectively, a fluid cylinder adjacent each of said two cylinders, a piston element in each of said two cylinders, a piston element in each of said fluid cylinders operatively connected to the piston element in the cylinder adjacent to it, a spring means in each of said fluid cylinders for returning each of said pistons in said fluid cylinders to one direction of their throw at times, a means for permitting a fluid to enter each of said fluid cylinders at times, a conduit leading from each of said fluid cylinders, a means for preventing fluid from entering said cylinders through said conduits, and a means for actuating the rotatable portion of said valve each time each of said piston elements in said fluid cylinders reaches approximately its extreme movement in one direction for alternately connecting said two cylinders each alternately to said branch passageway communicating with a fluid under pressure and said branch passageway acting as an escape passageway.

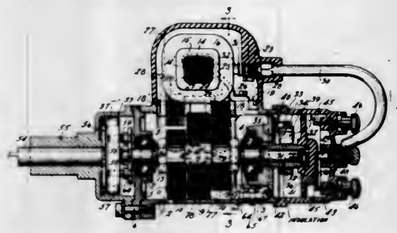
2,074,544
RAZOR
Eric Birger Fernberg, Pinnerwood Park, England
Application August 14, 1936, Serial No. 95,952
In Great Britain July 29, 1935
8 Claims. (Cl. 30—44)

4. A self-contained power driven safety razor having the razor body casing enclosing the driving mechanism and a razor head secured to one end of said body and adapted to carry a razor blade in fixed relation to said head, the driving mechanism being adapted to produce rapid oscillation of the razor head in the lengthwise direction of the edge of the blade and including a rotating device disposed adjacent the head but having no direct connection with the razor



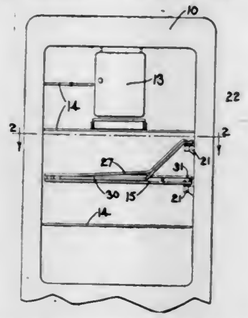
blade per se and mounted to rotate in a plane generally parallel to the lengthwise direction of the edge of the blade, a motor and a train of gears between said motor and said rotating device for rotating the latter at a high rate of speed.

2,074,545
MAGNETO
Kenneth A. Harmon, Longmeadow, and Terrence G. Louis, West Springfield, Mass., assignors to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Original application June 15, 1935, Serial No. 26,726. Divided and this application October 11, 1935, Serial No. 44,567. Renewed August 27, 1936
3 Claims. (Cl. 171—252)



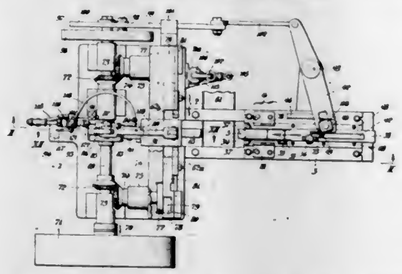
1. An ignition apparatus, comprising, a magnet coil, a shaft extending axially through said coil and magnetizable thereby when said coil is energized, means for energizing said coil, flux distributers fixed to said shaft one on each side of said coil and each comprising a plurality of angularly-spaced radially-extending arms, a pair of pole pieces for each distributer, the pole pieces of each such pair being angularly spaced adjacent the circular path of travel of the arms of its distributer, a pair of bridges each magnetically connecting one pole piece of one pair to the corresponding pole piece of the other pair, a core interconnecting the two bridges, primary and secondary coils mounted on the core, and breaker point mechanism in circuit with the primary coil and operated by said shaft.

2,074,546
REFRIGERATOR TRAY
Charles M. Hartman, Grand Rapids, Mich., assignor of forty per cent to E. M. Jenkins, Grand Rapids, Mich.
Application November 23, 1935, Serial No. 51,196
3 Claims. (Cl. 312—184)



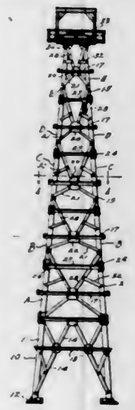
1. A pivotally mounted shelf of the class described, comprising, a substantially rectangular frame formed of a single rod of material, bent to rectangular form, a second rod of substantially U-shape extending in parallelism along the longer side of the rectangular frame, then across one end and then along the other longer side and upwardly to its terminal, a third extending in parallelism and adjacent to the last mentioned portion of the second rod and then extending downwardly to the initial end of the second mentioned rod and being welded thereto and a bearing located at the side of the third mentioned rod and adjacent the terminal end of the second mentioned rod and a second bearing located on the frame immediately below the first bearing for the purpose described.

2,074,547
TRIMMING MACHINE
Hermann M. Hessenbruch, Wynnewood, Pa., assignor to Philadelphia Lawn Mower and Mfg. Co., Philadelphia, Pa., a corporation of Pennsylvania
Application July 23, 1935, Serial No. 32,744
13 Claims. (Cl. 164—48)



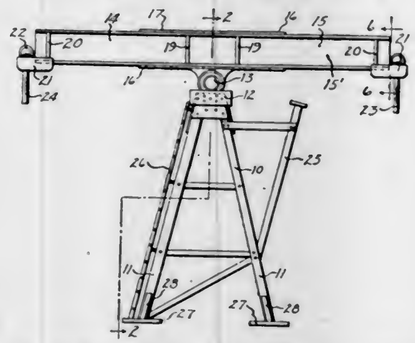
1. In a trimming machine of the character described, a mandrel for receiving a cup-shaped article, reciprocating cutting means for trimming the edges of the article, while on said mandrel, means for guidedly conveying the articles towards said mandrel and feeding them singly thereto in timed relation to the operation of said cutting means, and means for withdrawing the articles from said mandrel and casting them clear of the articles approaching said mandrel.

2,074,548
DERRICK
Dee E. Humphrey, Dallas, Tex., assignor to Welded Tank and Steel Company, Dallas, Tex.
Application November 5, 1934, Serial No. 751,559
10 Claims. (Cl. 189—13)



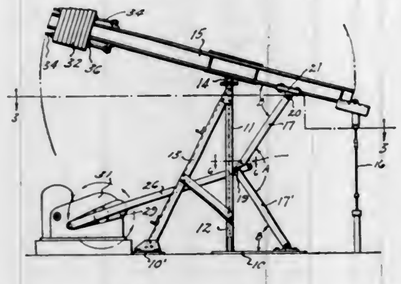
4. A derrick structure comprising, a base, elongated leg members forming the corners of the structure, equally spaced girts connecting and bracing the legs, and inclined brace members extending upwardly from one girt beyond the next girt thereabove and secured to the legs above said girt and below the next above girt, each member also being fastened to the girt past which it extends.

2,074,549
HANGER FOR WALKING BEAMS
Dee E. Humphrey, Dallas, Tex., assignor to Welded Tank and Steel Company, Inc., Dallas, Tex., a corporation of Texas
Application December 26, 1934, Serial No. 759,194
13 Claims. (Cl. 74—41)



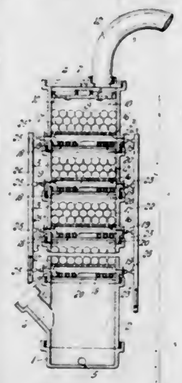
1. A walking beam comprising, a swinging member having upper and lower horizontal flanges connected by a vertical web and arranged to be mounted on a Sampson post, longitudinal plates disposed along the top and bottom of said member for reinforcing the central portion thereof and having openings therein, the openings of the plates being in alinement with the web of the member when the plates are in position on said member, and means inserted in the openings of said plates and secured to the member, whereby the plates are rigidly secured to said member.

2,074,550
PUMPING JACK
Dee E. Humphrey, Dallas, Tex., assignor to Welded Tank and Steel Company, Inc., Dallas, Tex., a corporation of Texas
Application December 31, 1934, Serial No. 759,913
5 Claims. (Cl. 74—41)



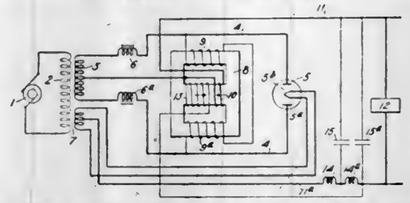
1. A pump jack comprising, a vertical support having a vertically slotted opening therethrough, a walking beam fulcrumed on the support, a pair of toggle links positioned in the same longitudinal plane with the support and having the upper end portion of its upper member adjustably pivoted to said beam forwardly of its fulcrum, and a pitman pivoted to the toggle links at their pivotal connection to positively push and pull said links to rock the beam, said pitman extending through the vertically slotted opening in the support, whereby the pitman is guided during its reciprocation in direct alinement in a vertical plane with said links.

2,074,551
COOLING AND ABSORPTION TOWER
Maurice A. Knight, Akron, Ohio, and Frederick M. Klein, New York, N. Y.
Application January 29, 1936, Serial No. 61,370
2 Claims. (Cl. 23—283)



1. As a unit of manufacture, a tower section having portions thereof adapted to interfit with other sections for incorporation in an absorption tower for the treatment of gases, said tower section comprising a vertical ceramic pipe, a hollow spiral cooling coil of a single continuous piece of stoneware extending transversely of the lower portion of the pipe and having inlet and outlet ends integral with openings in the wall of said pipe.

2,074,552
VOLTAGE REGULATOR
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application May 20, 1933, Serial No. 671,985
17 Claims. (Cl. 175—363)



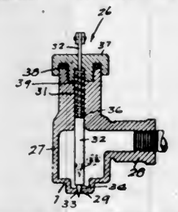
1. The combination of an alternating current supply circuit, a consumption circuit, a rectifier connected between said circuits, a reactive device in series in the circuit of each anode of the rectifier, a reactor core, a winding on said core connected from a point between one of said reactive devices and its corresponding anode to a point between another of said reactive devices and its corresponding anode, and a second winding on said core connected in series in the consumption circuit.

2,074,553
EXPLOSIVE CARTRIDGE AND METHOD OF MAKING THE SAME
Don B. McCloud, Carbondale, Ill.
Application June 9, 1934, Serial No. 729,740
3 Claims. (Cl. 102—6)



1. A liquid oxygen cartridge comprising an open end casing of material impervious to liquid oxygen, an outer cloth covering for said casing, a filler of carbonaceous material in said casing and partially extruded therefrom into said covering at one end, and means for closing said covering to retain the carbonaceous material within said casing and covering after same has been filled, said carbonaceous material adapted to be saturated with liquid oxygen through said extruded end.

2,074,554
LIQUID DISPENSER
William P. Myron, San Francisco, Calif.
Application August 19, 1933, Serial No. 685,830
1 Claim. (Cl. 221—94)



In a soap dispenser a conduit adapted to conduct flow of liquid soap therethrough, and a dispenser valve on the conduit comprising, a valve body having a lateral inlet connected to the conduit so as to support the valve on the conduit, said valve body having a chamber therein in direct

communication with said lateral inlet, said valve body having a substantially frusto conical outlet orifice on its bottom for gravity outflow of liquid soap directly from said chamber, a valve stem extended through said chamber to the top of the valve casing, a conical needle valve on the end of the valve stem fitting into said outlet so as to extend beyond and outside of said outlet orifice when the valve is closed, and means connected to said valve stem for actuating the same to move said needle valve into open and closed position in said chamber relatively to said outlet orifice.

2,074,555

TEXTILE FIBER SPRAYING OIL

Roy F. Nelson, Nederland, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application December 21, 1934, Serial No. 758,608

12 Claims. (Cl. 87—9)

12. A textile fiber spraying oil consisting essentially of a light lubricating oil and a relatively small proportion of the acetyl ricinoleic acid ester of an aliphatic alcohol containing from 1 to 5 carbon atoms.

2,074,556

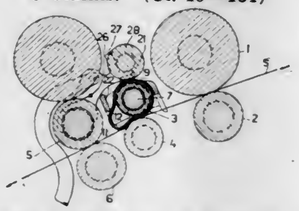
DRAWING MECHANISM OF SPINNING MACHINES

Josef Pilz, Pottendorf, Lower Austria

Application March 8, 1934, Serial No. 714,547

In Austria March 11, 1933

8 Claims. (Cl. 19—131)



1. Drawing mechanism of spinning machines, comprising a pair of rollers the upper roller of which being mounted on a stationary shaft, a belt passing around the upper roller and resting on a portion of the surface of the lower roller of said pair of rollers, a frame with guide members for the belt, and means provided on the frame and on the shaft and adapted to guide the frame in a direction transversely to the shaft, a bridge-like member integral with the frame, and a saddle loaded by weights and adapted to bear against the bridge-like member.

6. Drawing mechanism of spinning machines, comprising a pair of rollers, a belt passing around the upper roller of the said pair of rollers, and resting on a portion of the surface of the lower roller of the said pair of rollers, the belt being spaced apart from the surface of the upper roller by means of stiff ribs projecting inwardly from the edges of the belt.

2,074,557

FIRE APPARATUS

Peter Pirsch, Kenosha, Wis., assignor to Peter Pirsch and Sons Co., Kenosha, Wis., a firm composed of Peter Pirsch, W. R. Pirsch, and Ceila Pirsch Even

Application August 24, 1934, Serial No. 741,269

5 Claims. (Cl. 228—12)

4. Fire apparatus comprising a supporting structure, a frame mounted on said supporting structure for movement from a substantially horizontal position to an inclined raised position, said frame being formed with a pair of channels with the open sides of the channels facing one another, each channel being of a size to snugly



receive the side bar of a standard ground ladder, and the channels being so spaced apart as to accommodate said standard ground ladder and permit the extension part thereof to slide between the channels.

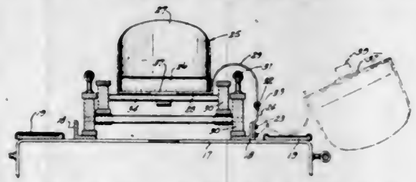
2,074,558

TILLERMAN'S SEAT FOR LADDER TRUCK TRAILERS

Peter Pirsch, Kenosha, Wis., assignor to Peter Pirsch and Sons Co., Kenosha, Wis., a firm composed of Peter Pirsch, W. R. Pirsch, and Ceila Pirsch Even

Application June 10, 1936, Serial No. 84,431

7 Claims. (Cl. 280—4)



2. In a fire vehicle having ladders extending longitudinally thereof in a horizontal position, a tillerman's seat normally positionable on the rungs of the uppermost ladder, U-shaped supporting means extending laterally from said seat and forming an arch spanning the side beam of said uppermost ladder when the seat is in normal position, and means for hingedly connecting said U-shaped supporting means to the vehicle at one side of the ladders to provide for swinging movement of the seat from said normal position to an inverted position at one side of said ladders.

2,074,559

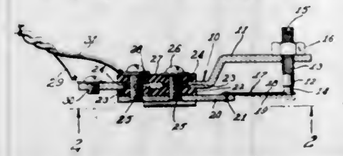
TEMPERATURE RESPONSIVE SWITCH

Bruno Radtke, Chicago, Ill., assignor to Exhibit Supply Company, Chicago, Ill., a corporation of Illinois

Application September 12, 1935, Serial No. 40,199

2 Claims. (Cl. 200—113)

1. A thermostatic switch for use with game apparatus and comprising a substantially elongated arm having a pair of oppositely directed orificed side wings extended from its sides intermediate its longitudinal extremities, said wings being bowed adjacent the juncture with said elongated arm to raise the latter above the plane of the wings, an elongated bi-metallic contactor extended from and secured to one of the longitudinal extremities of said arm, a second elongated contact arm insulated from and secured to said first arm, said second arm having an angled end portion overlying said bi-metallic member, an



adjustable contact member threaded through said angled end portion adjacent the outermost extremity thereof and threadable toward and away from said bi-metallic member, together with means including a member threadable onto said adjustable contact member and against said last-mentioned arm to lock said adjustable contactor in position.

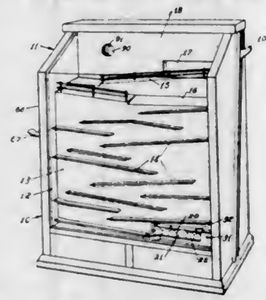
2,074,560

GAME APPARATUS

Bruno Radtke, Chicago, Ill., assignor to Exhibit Supply Company, Chicago, Ill., a corporation of Illinois

Application March 30, 1936, Serial No. 71,607

11 Claims. (Cl. 273—138)



7. In an amusement apparatus, a cabinet including a ball playing surface provided with a ball seat, an instrumentality in the said cabinet for operation by the playing of balls, a plurality of balls in the said cabinet and adapted to be played upon the said ball-playing surface, one of the said balls having a diameter or size different from that of the others of said balls, and means including a ball-operated electric switch effective to operate said instrumentality if and when the said one of said balls is disposed upon said ball seat in a predetermined position relative to the others of said balls.

2,074,561

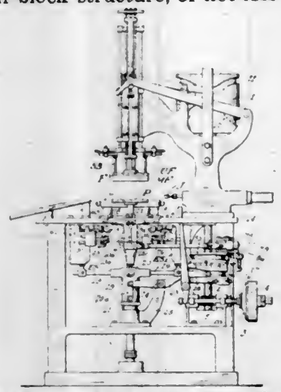
BOX MACHINE

Ernest G. Rider and Walter T. Bailey, Philadelphia, Pa., assignors to Stokes and Smith Company, Summerdale, Pa., a corporation of Pennsylvania

Application October 16, 1935, Serial No. 45,247

8 Claims. (Cl. 93—54.2)

1. A box machine adapted to repeat its cycle continuously at high speed comprising reciprocating form-block structure, corner-lap tools, mechanism for operating said tools while said form-block structure is in motion, and mechanism including cam structure for operating said form-block structure providing, in the cycle of the machine, a period of dwell or slow motion of said form-block structure, of not less than about



40° of said cycle, for application of a box structure thereto.

2,074,562

COIN CARD AND METHOD OF MAKING SAME

Theodore F. Roemele, Louisville, Ky.

Application March 31, 1932, Serial No. 602,272

4 Claims. (Cl. 93—1)



1. The method of producing a composite card composed of two similar webs having substantially parallel edges, with coins disposed between said webs with a portion of same extending beyond one of said edges, said card being made from webs of indeterminate length, which consists of simultaneously advancing said webs of indeterminate length, placing coins between same and subsequently uniting said webs to secure said coins and thereby complete said composite card.

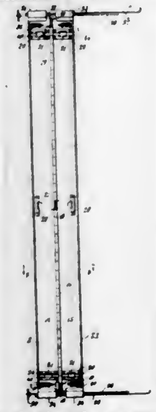
2,074,563

LEVEL AND PLUMB INDICATING DEVICE

Herman Schuettinger, New York, N. Y.

Application August 20, 1935, Serial No. 36,966

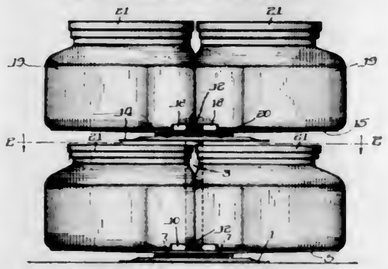
18 Claims. (Cl. 72—128)



1. In a plumb device for corner beads of metal lath, a pair of levels pivotally connected at one

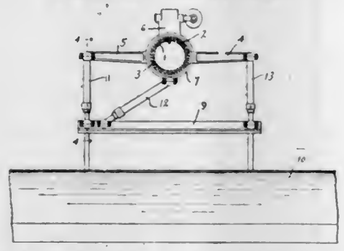
longitudinal edge adapted to be yieldably positioned to extend in the same plane and arranged with a pair of jaws at the pivotal connection adapted to grip and position the levels parallelly of the bead when the levels are adjusted to position in angular relation to each other.

2,074,564
FOOD CONTAINER UNIT
Lewis H. Scurlock, Chicago, Ill.
Application July 11, 1935, Serial No. 30,863
4 Claims. (Cl. 211—77)



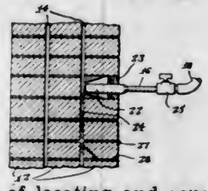
1. In a double rotary food container unit, the combination of a lower stationary base adapted to rest upon a table or other object, a rotary support on said base, adapted to receive a lower group of containers, a lower screw inserted upwardly through said base and support, forming the axis of rotation of the latter, an upper stationary base spaced a distance above said support, a rotary support on said upper base, adapted to receive an upper group of containers, an upper screw inserted downwardly through said upper support and its base, and a post screwed onto the threaded portions of said screws to rigidly and detachably couple the upper base to the lower base, while permitting each support to rotate independently of the other.

2,074,565
ROAD GRADER
George D. Shaeffer, Bucyrus, Ohio, assignor, by mesne assignments, to W. A. Riddell Corporation, Bucyrus, Ohio, a corporation of Ohio
Application April 21, 1933, Serial No. 667,161
6 Claims. (Cl. 37—156)



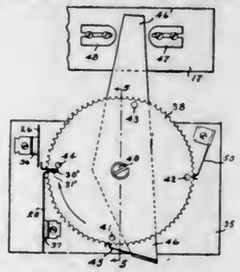
5. In a road grader, the combination with a main frame and an implement carrying frame below said main frame, of means for supporting said implement carrying frame on said main frame comprising lifting arms movably and coaxially supported on and extending laterally in opposite directions from said main frame, extensible links interconnecting the outwardly extending ends of said arms and said implement carrying frame and a diagonal extensible bracing link pivotally connected at its opposite ends to said frames.

2,074,566
REPAIRING DEFECTIVE MASONRY WALLS
William J. Sheils, Roxbury, Mass.
Application January 23, 1935, Serial No. 3,079
3 Claims. (Cl. 72—0.5)



1. A method of locating and repairing defective joints in old walls of brick and the like, consisting of projecting a nozzle into an opening through an exposed face of the wall, forcing grout through the nozzle and into the wall and along the inner surfaces thereof, whereupon the grout is flowed under confined pressure outwardly through and exposes the defective joints, and surface pointing the defective joints at said exposed face by applying plastic pointing material thereto and in contact with the grout therein.

2,074,567
SIGNAL MEANS FOR THE COIN SLIDE OF A COIN CONTROLLED APPARATUS
Kenneth C. Shyvers, Seattle, Wash.
Application January 24, 1934, Serial No. 708,089
9 Claims. (Cl. 273—118)

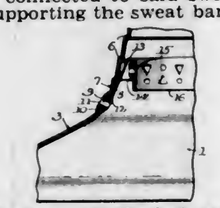


1. The combination, with a game apparatus of the type having an apertured ball playing surface and a slidable ball releasing panel therebelow, of signal means comprising a switch mechanism cyclically operable in steps by movement of said ball releasing panel to close a first signal circuit, and thereafter to close a second signal circuit corresponding to the end of the cycle of operation of said switch mechanism.

9. In combination with a game apparatus having a game operating mechanism, signal means comprising an electrically operated signal, means for operating said signal including a relatively stationary contact, a member slidable relative to and past said contact and having two spaced projections thereon engageable, at different times, with said contact, and means for moving said slidable member in a step by step movement relative to and past said contact so as to move the said projections thereon successively into engagement with said contact and thus successively actuate said signal.

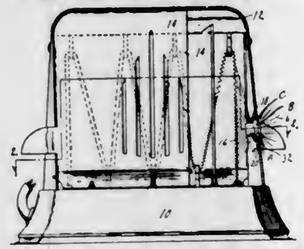
2,074,568
ADJUSTABLE SWEAT BAND
Edward C. Sloan, Geneva, Ill., assignor to Jesse B. Hawley, Geneva, Ill.
Application February 4, 1935, Serial No. 4,863
3 Claims. (Cl. 2—183)

1. A hat provided with a sweat band device comprising a sweat band having free end portions, adjusting means associated with said free end portions for varying the size of said sweat band, means connected to said sweat band and the hat for supporting the sweat band within the



hat in spaced relation to the hat, said connecting means comprising strips having one end pivotally connected to the hat and having a hole at the other end, and a flanged eyelet on the sweat band and adapted to be pivotally engaged in said hole.

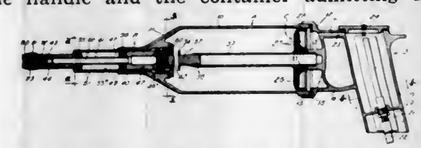
2,074,569
SIGNAL DEVICE FOR ELECTRIC APPLIANCES
Howard Smith, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application June 12, 1935, Serial No. 26,219
1 Claim. (Cl. 177—311)



In combination with an electric appliance having a sheet metal casing and a heating element enclosed in said casing, a signal device comprising a transparent element having a head including a convex outer end and having a reduced diameter elongated cylindrical inner end and means for mounting said transparent element in a sheet metal wall of said casing including a retainer ring having a flange surrounding said head and a flange overlying the peripheral edge of said convex outer end, said sheet metal wall having a depressed socket-like portion alined with said heating element, the bottom of said socket-like portion being perforated, said reduced diameter, elongated cylindrical inner end extending through the perforation thereof, the back of said head being seated against the bottom of said socket and the first flange of said retainer ring being frictionally received in said socket-like portion to retain said head in such position.

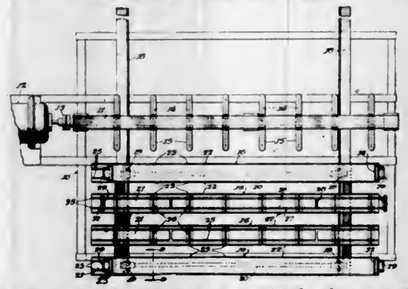
2,074,570
GREASE GUN
Neil V. Smith and Carl W. Stoll, Los Angeles, Calif., assignors to Smith-Johnson Corporation, Los Angeles, Calif., a corporation of California
Application August 23, 1935, Serial No. 37,567
7 Claims. (Cl. 221—47.4)

1. A lubricant gun of the character described including, an elongate lubricant container, a follower in the container, an ejector at the forward end of the container for handling lubricant from the container, a removable cap closing the rear end of the container, and a handle integral with the cap, the handle being hollow and closed to form a reservoir for fluid under pressure, there being a fluid passage connecting the interior of the handle and the container admitting fluid



under pressure to the container to act on the follower, and means for admitting fluid under pressure into the handle.

2,074,571
PREPARING MATERIAL FOR PACKAGING
Oscar T. Thompson, Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application April 19, 1935, Serial No. 17,214
9 Claims. (Cl. 164—61)

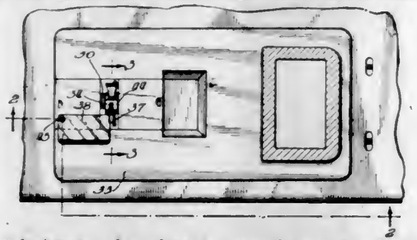


1. In combination, a receptacle for receiving and holding an article, cutting means adapted to traverse the article in the receptacle to sever the same into shorter sections, a work table for receiving the sections, and means for facilitating the transfer of the sections from said receptacle to said table, said transferring means comprising a tray of less width than the width of the article, said tray being positioned in said receptacle so as to be removable therefrom to remove said sections from the receptacle, said table having an opening therein of sufficient width to permit said tray to pass therethrough, but of less width than the width of said sections so that marginal portions of the sections which project from the tray engage marginal portions of the table adjacent said opening to thereby strip the sections from the tray as an incident to passage of the tray through said opening.

2,074,572
WORK GUIDE FOR SEWING MACHINES
Earl V. Tolen and Charles B. Harbstreit, Bedford, Ind., assignors to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 18, 1933, Serial No. 661,479
4 Claims. (Cl. 112—153)

1. The combination with a sewing machine having stitching apparatus, including a needle and a presser foot and feed mechanism for moving the work rearwardly, of a work guide comprising an omega-shaped guide forwardly of the needle and constructed and arranged to present upper and lower abutments spaced to the left of the needle in the line of travel of the work and facing to the right, and a left facing intermediate abutment between the upper and lower abutments and spaced to the right of the line of travel through the needle, the upper and lower abut-

ments being constructed and arranged to receive and guide the left edges of superposed upper and lower plies of a neck band and the intermediate abutment being constructed and arranged to receive and guide the right edge of a fabric inter-



posed between the plies in over-lapping relation therewith, and means for pivotally mounting the guide on the left of the line of travel through the needle, whereby the guide may be swung into and out of operative position, and knee operated means for swinging the guide.

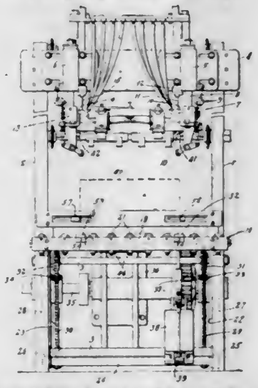
2,074,573

NAILING TABLE FOR BOX LIDDING MACHINES

Herbert E. Twomley, Riverside, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware

Application October 7, 1935, Serial No. 43,904

2 Claims. (Cl. 1—10)



1. In a machine for applying lids to boxes including mechanism for pressing covers into contact with the ends of the box, a box supporting table including a frame, a plurality of rollers mounted upon axes extending transversely of said frame to the direction of movement of boxes into and out of said machine, individual bearing members for each of said rollers, means mounting said bearing members for vertical yielding movement relative to said frame under pressure exerted upon a box resting upon said rollers, means adjustably securing said bearing mounting means upon said frame for movement along said frame in the direction of movement of boxes over said box supporting table, and rigid means extending transversely of said table below the surface of said rollers to engage boxes on said table when said rollers yield under pressure exerted upon said box.

2,074,574

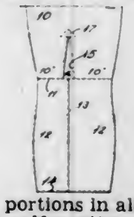
BREECHES CONSTRUCTION

Glenn O. Van Bebber, Denver, Colo.

Application March 26, 1935, Serial No. 13,053

1 Claim. (Cl. 2—228)

In breeches having a leg portion terminating in a fitted knee portion and a calf portion formed with a vertical rear seam and stitched to and in depending relation with the lower end of said knee portion, means to accommodate knee flexure of a wearer, said means comprising a slit opening rising from the seam interconnecting



said calf and knee portions in alignment with the rear seam of said calf portion to intersect said knee portion, means closing the upper end of said slit opening, and folded material interiorly of said knee portion marginally cooperating with said slit opening to form a box plait in covering relation with said opening.

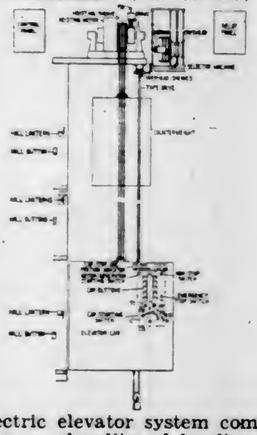
2,074,575

ELEVATOR SYSTEM

Harold Waters, Hohokus, N. J., and William Frank Glaser, Eastchester, N. Y., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application November 9, 1934, Serial No. 752,241

81 Claims. (Cl. 187—29)



9. An electric elevator system comprising; an elevator car; a plurality of landings served by the car; car actuating and stopping mechanism; a plurality of controls, one for each of said landings; means responsive to the operation of said controls for causing said mechanism, during car travel in a certain direction, to slow down and stop the car at each of the landings for which controls are operated; means operable from within the car to cause said mechanism to start the car after each stop; means for causing said mechanism, during car travel in said certain direction, to bring the car to and stop it at a selected one of said landings after a stop has been made at the farthest landing for which a control has been operated, provided the selected landing is beyond said farthest landing and in the event said farthest landing is beyond said selected landing, for causing said mechanism to operate the car past said selected landing without stopping it thereat unless the control for said selected landing has been operated; and means for automatically reversing the direction

in which said mechanism starts the car from said selected landing in response to said starting means when the car, during its travel in said certain direction, is brought to a stop at said selected landing under conditions where neither the control for said selected landing nor a control for any landing beyond is operated.

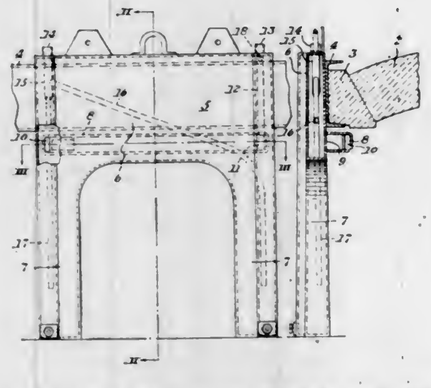
2,074,576

WATER COOLER FOR FURNACES

Willard P. Chandler, Jr., Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey

Application August 15, 1936, Serial No. 96,207

6 Claims. (Cl. 122—499)



1. A hollow water-cooled furnace door frame and skew-back channel cooler, comprising a body portion forming the top of the frame, legs forming the sides of the frame, a hollow horizontal offset separated from the main body of the frame by a wall and adapted to project into the furnace chamber beneath the skew-back channel and forming a nose portion, and connections for causing flow of water initially through the legs of the frame and thereafter through the nose thereof and for discharging the water from the frame directly from the nose portion.

2,074,577

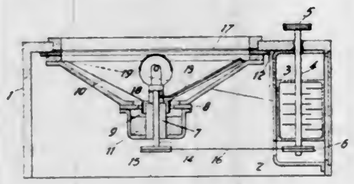
RADIO DIAL CONSTRUCTION

Jean Dreyfus, Paris, France

Application December 26, 1935, Serial No. 56,206

In France January 16, 1935

11 Claims. (Cl. 250—14)



1. In combination with a radio receiver a loud speaker having a diaphragm, the sound emitting portion of said diaphragm carrying tuning indicia, and index means operated by a variable tuning element of said receiver co-operating therewith to indicate the transmitting station to which said receiver is tuned.

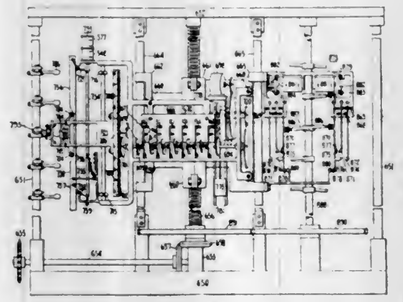
2,074,578

ELEVATOR CONTROL

Edward Lee Dunn, Livingston, N. J., and David Carl Larson, Yonkers, N. Y., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application December 21, 1934, Serial No. 758,548

55 Claims. (Cl. 187—29)



1. In combination; an elevator car movable in a hatchway to serve a plurality of landings; a plurality of circuit controlling means, one for each of said landings; means common to said circuit controlling means and adapted upon relative movement with respect thereto to cooperate therewith individually in succession; means for causing relative movement of said common means and said circuit controlling means in accordance with movement of the car; and means for causing advance relative movement of said common means and said circuit controlling means in effecting the starting of the car prior to said relative movement thereof in accordance with car movement, said relative movement thereof in accordance with car movement being effected with said common means and said circuit controlling means in their relatively advanced condition.

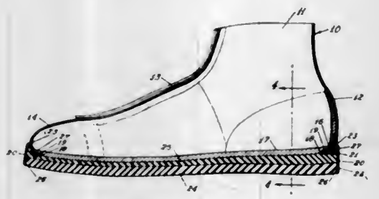
2,074,579

SHOE STRUCTURE

Albert Fesl, Chicago, Ill.

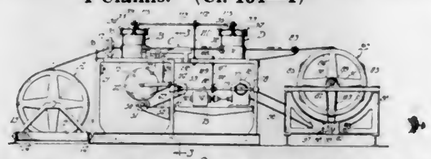
Application May 20, 1936, Serial No. 80,681

9 Claims. (Cl. 36—14)



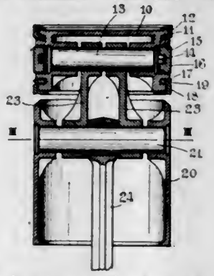
6. A shoe structure comprising an insole having grooves formed on the outer side thereof, an outer sole, and an elastic member between and secured to the inner and outer sole with portions thereof wedged into said grooves, the said elastic member substantially covering the entire area of the insole and being of a greater thickness at the heel portion of the insole than at the toe portion thereof.

2,074,580
CORD COATING AND WRAPPING MACHINE
Charles A. Fourness, Appleton, and John M. Graef, Neenah, Wis., assignors, by mesne assignments, to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application October 16, 1935, Serial No. 45,364
4 Claims. (Cl. 154—1)



1. In a cord coating and wrapping apparatus of the character described, the combination with a cord dispensing drum and a cord receiving reel, of means for applying a coating solution to the cord, means for wrapping a covering sheet around the cord, and means for applying a second coating solution to the surface of said sheet; said several means being located in the order named between said drum and reel.

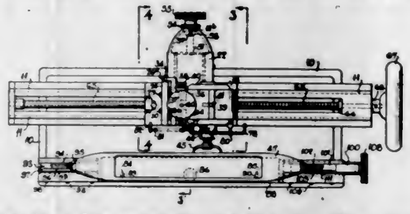
2,074,581
PISTON FOR ENGINES
Robert G. Frye, Norwich Township, Franklin County, Ohio
Application January 6, 1934, Serial No. 705,563
2 Claims. (Cl. 309—15)



1. A piston having at the top of its head portion an annularly and upwardly and outwardly flared lip, said lip bounding an annular groove below said lip and groove, said lip and groove each having parallel faces and a piston ring of generally U-form in cross section having parallel legs fitting and sliding on both sides of said lip and in said groove.

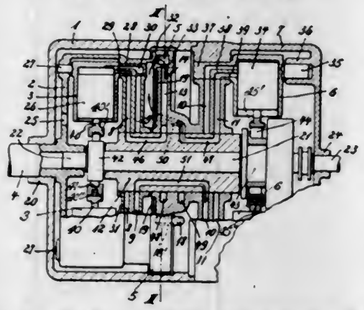
2,074,582
SHUTTLE TRUING MACHINE
Francis O. Gibbs, Kernersville, N. C., assignor to Southern Silk Mills, Inc., Kernersville, N. C., a corporation of North Carolina
Application October 24, 1935, Serial No. 46,557
2 Claims. (Cl. 144—2)

2. In a shuttle truing machine, a base member, a trackway disposed longitudinally of the base member, a motor mounted for travel along said trackway and having a shaft disposed at approximately right angles to the trackway, a cutting tool mounted on said shaft, an upstanding portion disposed in parallel relation to the trackway, a table pivotally mounted intermediate its ends on said upstanding portion, a pair of converging members having their proximate faces grooved, means for fixedly securing the lower end of one of the converging members to said table, means for adjustably securing the lower end of the other converging member to said table, a collar insertable over one of the converging members and having an off-set groove



in its face for reception of the tip of a shuttle having an end which is off-set from its center line.

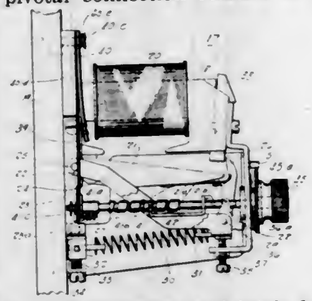
2,074,583
HYDRAULIC POWER TRANSMITTING MECHANISM
Emil Gölz, Stuttgart-Degerloch, Germany
Application August 8, 1934, Serial No. 738,908
In Germany September 4, 1933
10 Claims. (Cl. 60—53)



1. In a hydraulic power transmitting mechanism, a casing, a driving pump unit and a driven motor unit, and a rotary centrifugal reservoir for separating included gas from the liquid circulating in the mechanism, and for admitting the liquid from which the gas has been separated, to the suction side of said pump unit under the static pressure resulting from the centrifugal action on the liquid, means provided on the circumference of said reservoir for discharging gas into said pump unit, and valveless means for discharging gas therefrom into said casing.

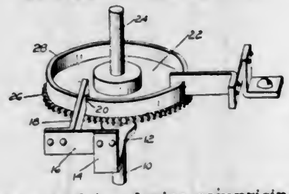
2,074,584
ELECTRORESPONSIVE DEVICE
Herbert C. Graves, Jr., East Bradford Township, Chester County, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Application April 6, 1934, Serial No. 719,327
32 Claims. (Cl. 200—88)

1. An electroresponsive device comprising an electromagnet, an armature member therefor pivoted at one end and biased to a normal position and movable to an operative position in response to predetermined energization of said electromagnet, a movable member for additionally biasing said armature member to its normal position, a latch pivotally connected adjacent one end of one of said members and normally in latching engagement with the corresponding end of the other of said members and mechanically locking said members together, pivot means mounting opposite ends of said members in juxtaposition, and means for rotating said latch about its pivotal connection relative to one of



said members to disengage said latch from the other of said members.

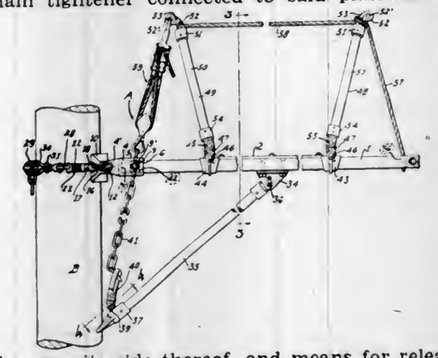
2,074,585
DRIVE MECHANISM
George W. Grisdale, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application January 21, 1935, Serial No. 2,649
11 Claims. (Cl. 192—12)



1. A one-way drive device comprising an oscillating driving member, a lever connected thereto to be driven thereby, a driven member to be rotated in one direction only, a leaf spring secured at one end to said lever and extending therefrom, a member secured to said spring at its other end and engaging said driven member and so constructed and arranged as to grip said driven member when the lever is moved in one direction but not when the lever is moved in the other direction, said gripping member engaging solely said leaf spring and said driven member whereby the spring flexes to permit the gripping member to grip and to release the driven member, and means secured to a stationary part and engaging said driven member to prevent rotation thereof in one direction but to permit rotation thereof in the other direction.

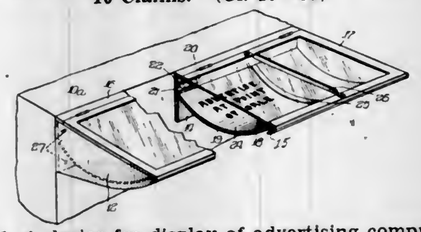
2,074,586
SAFETY STAGING
Walter A. Heinrich and Charles Adin Fox, St. Louis, and Elon J. De Right, Kansas City, Mo., assignors to James A. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application June 19, 1935, Serial No. 27,304
10 Claims. (Cl. 304—28)

1. A staging structure comprising a support-embracing assembly, a platform movably associated with said support-embracing assembly, and a truss adapted for arrangement between said platform and a support with which the staging structure is associated for maintaining said platform in a horizontal position, said support-embracing assembly including a saddle element adapted for contact with a support and pivotally connected to the platform, a length of chain connected to said platform at one side thereof and adapted for arrangement about a support, a chain tightener connected to said platform at



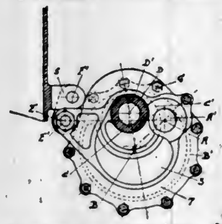
the opposite side thereof, and means for releasably connecting said length of chain to said chain tightener.

2,074,587
ADVERTISING DISPLAY
Herbert C. Illium, Wilmette, Ill.
Application May 4, 1936, Serial No. 77,681
10 Claims. (Cl. 40—64)



1. A device for display of advertising comprising, in combination, a counter having an approximately horizontal work surface, brackets secured to said counter and extending forwardly therefrom in spaced relation to each other, a transparent pane supported by said brackets in horizontal position at a level approximately flush with the counter work surface, and means for supporting a display sheet below said pane in position where it is visible therethrough.

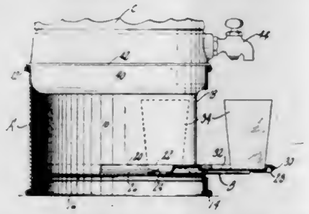
2,074,588
DRIVING MECHANISM FOR CONTROL VALVES OF INTERNAL COMBUSTION ENGINES
Paul Fritz Kipfer, Boitsfort, Brussels, Belgium
Application May 23, 1935, Serial No. 23,044
In Germany May 24, 1934
5 Claims. (Cl. 74—45)



1. In a driving mechanism for the control valves of an internal combustion engine, the combination comprising a rotatably mounted eccentric section, an annular eccentric surrounding

said rotatably mounted eccentric section and means for transmitting the reciprocating movement of the annular eccentric to the control valves of an internal combustion engine.

2,074,589
JUG AND DRINKING RECEPTACLE SUPPORT
Andrew S. Knapp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application May 27, 1935, Serial No. 23,722
4 Claims. (Cl. 225—40)



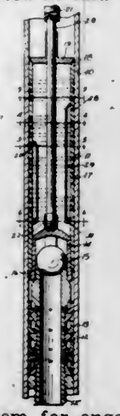
1. In combination a spigot jug having a flange therearound at a point spaced above the bottom thereof, a cylindrical member of suitable size to receive the base of said spigot jug in the upper end thereof, said flange resting on the upper end of said cylindrical member, said cylindrical member having an opening in the side thereof, a bottom member secured in said cylindrical member adjacent the bottom of said opening, guideway elements on said bottom member, a cup supporting member slidable in said guideway elements, and a depression therein adapted to position a cup relative thereto in a position beneath the spigot of said jug, when said cup supporting member is in one position of its sliding movement.

2,074,590
PRODUCTION OF WOOD WOOL
Maximilian Lederer, Split, Yugoslavia, assignor to Alexander Singer, Vienna, Austria
No Drawing. Application December 4, 1935, Serial No. 52,822
In Yugoslavia May 3, 1935
4 Claims. (Cl. 92—6)

1. In the production of wood wool adapted for use in the manufacture of wall products formed of a mixture of wood wool and cement the step of pretreating the wood, before it is converted into wood wool, with steam under a pressure slightly above normal pressure.

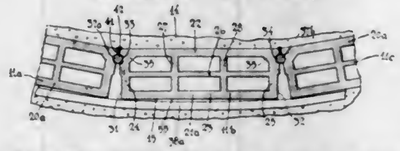
2,074,591
PUMP PLUNGER
Walter H. Rood, Dallas, Tex., assignor of nine-twentieths to F. C. Crane
Application February 18, 1935, Serial No. 7,022
3 Claims. (Cl. 103—225)

1. A reciprocating pump plunger for an oil well pump arranged to move vertically in a working barrel and including, a tubular plunger body having a valve seat at its upper end and provided with separated groups of spiral grooves in its outer wall, said body having inclined openings extending through its wall from the bottom of each group of grooves, conductors on the inside of the body connecting the openings, check valves unseated by gravity in the lower ends of said conductors, a stem extending into the plunger body, a valve cage carried by said stem and fastened in the plunger body below the conductors, a valve mounted in said cage, and a valve



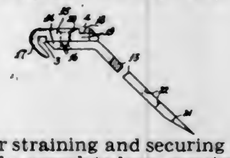
slidable on said stem for engaging the seat at the upper end of said body.

2,074,592
SILO
Frank F. Rowell, St. Paul, Minn.
Application January 17, 1936, Serial No. 59,536
10 Claims. (Cl. 72—6)



1. In a silo circular in cross section, a number of building blocks in the form of a hexahedron having substantially rectangular lateral surfaces, said blocks being arranged one upon the other to form staves and with the lateral surfaces of the blocks in each stave disposed in juxtaposition with respect to the lateral surfaces of the blocks in adjoining staves, said juxtaposed surfaces due to the circular arrangement of the stave forming reentrant angles with one another, said juxtaposed surfaces being constructed with facing vertical grooves, the grooves in the corresponding lateral surfaces of the blocks of each stave registering with and lying in continuation of one another, said grooves being disposed near the vertexes of said reentrant angles, cushioning strips in said grooves, and means for drawing the staves toward one another and into engagement with said strips.

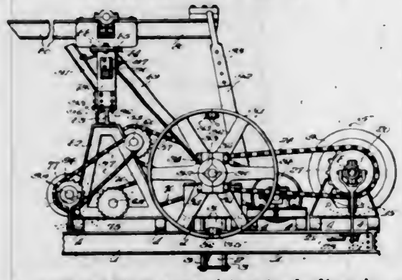
2,074,593
MEANS FOR FIXING WIRE CLAMPS AROUND HOSE AND SIMILAR PIPES
Louis Stephanus Saaiman and Norris Barker, Johannesburg, Transvaal, Union of South Africa
Application April 17, 1935, Serial No. 16,852
In Union of South Africa January 15, 1935
4 Claims. (Cl. 81—9.3)



1. A tool for straining and securing wire clamps in the form of a complete loop, constructed in the form of a lever bent at one end and shaped at the

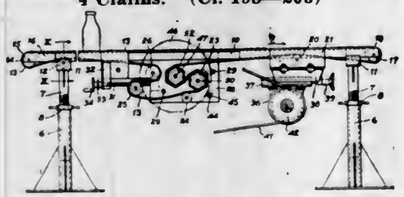
extremity of the bent end portion on the one side in the form of a hook, and fashioned near the bend with lateral projections, and having a transverse groove in said bent end portion on the side opposite the hook, which groove is continued across the projections, as set forth.

2,074,594
COMBINATION WELL DRILLING RIG
Garlin E. Seals, Monahans, Tex.
Application March 12, 1936, Serial No. 68,498
6 Claims. (Cl. 255—3)



1. A well drilling apparatus including in combination with a derrick, a base in sections, and a sub-base supporting said sections, one of said base sections supporting said derrick, said other section being arranged for movement toward and away from said first section, a rotary draw-works disposed forwardly of said movable base section, a plurality of cable drums spaced on said movable base section, skids secured to and supporting said rotary draw-works and cable drums on said movable base section, a walking beam, means for mounting said walking beam rotatably on said draw-works and means for controlling the operation of said draw-works and cable drums at a point adjacent said draw-works.

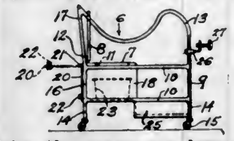
2,074,595
CONVEYER
Orie Shackelford, Fairmont, W. Va.
Application August 23, 1935, Serial No. 37,513
4 Claims. (Cl. 198—203)



1. The combination with an endless conveyer belt and guide members therefor, of a pair of polygonally faced driving pulleys mounted in approximately side-by-side relation, but with their axes relatively offset vertically a distance not substantially greater than the radius of one of the pulleys, the belt extending from an upper plane downwardly around the higher pulley and thence upwardly between the pulleys and downwardly around the lower pulley, each angle on the face of one pulley passing out of engagement with the belt as an angle on the face of the other pulley engages the belt.

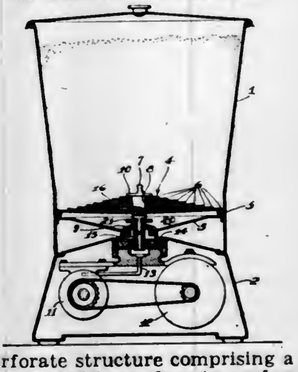
2,074,596
BEDSIDE SAFETY TOILET CHAIR
Martha Pontius Short, Pomona, Calif.
Application April 28, 1934, Serial No. 722,947
2 Claims. (Cl. 155—31)

1. A bedside safety toilet chair provided with high forward upright posts, arms projecting rearwardly from the upper end of said posts, clamps adjustable as to height carried by each of said forward upright posts and provided with means to engage the side rail of a bed to hold said toilet chair facing the bed; said arms and forward upright posts providing a person a firm grasp and



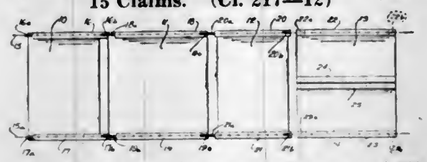
affording him the necessary leverage in pulling himself forward from the side of the bed so that he may turn and be seated in the chair, said arms and said posts also forming an enclosure and safe guard from danger of falling when moving from the bed onto the chair and vice versa.

2,074,597
AERATING APPARATUS
Rawson E. Stark, Pittsburgh, Pa., assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application July 24, 1933, Serial No. 681,972
In Germany December 9, 1932
23 Claims. (Cl. 261—121)



1. A perforate structure comprising a plurality of plates arranged in surface-to-surface contact, each plate having an opening in its interior communicating with that of the next adjacent plate, and a portion of its surface adjacent said opening cut away to form a manifold chamber with the next adjacent plate, and a series of angularly spaced grooves extending in radial relation from said manifold chamber to an annular groove radially spaced from said opening and a second series of grooves extending in radial fashion from said annular groove to the outer edge of the plate.

2,074,598
FRUIT OR VEGETABLE CRATE
Frank D. Thompson, Jr., Cleveland, Ohio, assignor to Wooden Containers Inc., Cleveland, Ohio, a corporation of Ohio
Application April 13, 1936, Serial No. 74,003
15 Claims. (Cl. 217—12)



1. A knockdown box comprising a bottom panel, an end panel connected to each end thereof, and side panels connected to the outer end of

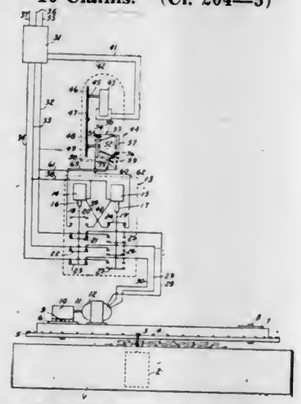
one of the end panels, the connections between the respective panels being sufficiently flexible to permit the end panels to be swung up in opposed relation and the side panels to be swung into position between the end panels, when the box is set up.

2,074,599

CONVEYER DRIVING CONTROL

Guerin Todd, Matawan, N. J., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey

Application May 20, 1935, Serial No. 22,329
10 Claims. (Cl. 204—5)



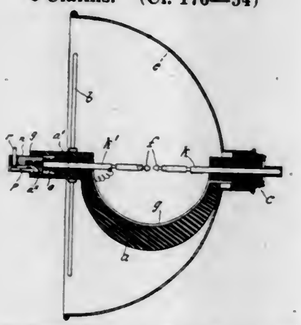
1. In an electro-processing machine, an endless work-conveying chain having means associated therewith for supporting work-pieces, a tank arranged to receive said work-pieces, a motor for driving said chain, reversing means for reversing the direction of motion of said chain, electrical means for operating said reverser, and a movable current distributor arranged to distribute current alternately to operate said reverser to move said chain for longer periods in one direction than in the other direction.

2,074,600

ARC LAMP FOR IRRADIATING PURPOSES

Max Volmer, Neubabelsberg-Steinstucken, Germany

Application May 15, 1935, Serial No. 21,602
In Germany May 26, 1934
6 Claims. (Cl. 176—54)



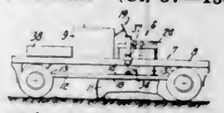
1. An arc-lamp for irradiating purposes, comprising a reflector, electrodes, therein, an electrode-holder connected with said reflector at the centre-portion thereof, and a protective grating attached to the electrode-holder at the front of the reflector, and covering practically the entire opening of the same.

2,074,601

ROAD-GRADER MOLDBOARD CONTROL MEANS

Ira M. Wells, Oakland, Calif.

Application November 23, 1934, Serial No. 754,502
4 Claims. (Cl. 37—156)



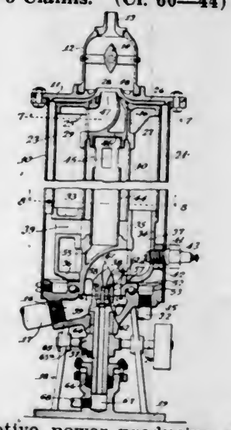
4. A road grader comprising, a frame supported for movement over a road, a circle support mounted on said frame for rotation in a substantially horizontal plane, a moldboard slidably mounted for endwise displacement on said circle support, and means providing a continuous uniform endwise displacement of said moldboard generally across the line of movement of said frame and during the course of movement thereof to produce a continuous and uniform diagonal movement of said moldboard relative to the line of movement of the grader.

2,074,602

MOTIVE POWER PRODUCING APPARATUS

Alfred Wilstam, Altadena, Calif.

Application January 25, 1935, Serial No. 3,436
5 Claims. (Cl. 60—44)



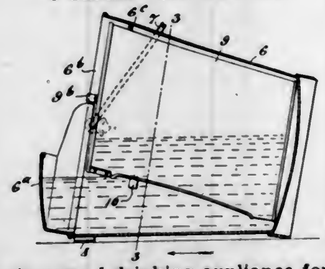
1. In a motive power producing apparatus, a stationary housing divided into a plurality of chambers, valve seats located within said housing adjacent its ends, said valve seats being provided with ports that communicate respectively with the chambers in said housing, a member arranged for rotation within said housing between said chambers, valves carried by said rotating member and occupying said valve seats, each valve being provided with ports that register with the ports in the valve seats as the valve carrying member is rotated, means for delivering fuel charges to one of said valve seats, means for igniting the fuel charges in the chambers in said housing, a chamber for receiving the products of combustion and air from said chambers, said last mentioned chamber having an outlet, means for imparting rotary motion to said rotatably mounted valve carrying member, a shell enclosing and spaced apart from said housing, means for delivering air to the chamber between said shell and housing and means whereby a portion of the air delivered into the chamber between the shell and housing is caused to circulate around and through a part of the valve carrying member and to pass successively into the chambers within said housing for cooling and scavenging purposes.

2,074,603

DRINKING APPLIANCE FOR POULTRY AND THE LIKE

Francis Stanley Wright, Earlswood, England, assignor to Stocal Enamels Limited, Birmingham, England

Application July 8, 1935, Serial No. 30,213
In Great Britain July 11, 1934
5 Claims. (Cl. 119—77)



1. An improved drinking appliance for poultry and the like comprising a primary container, a hood-like part provided at one end of said primary container and a subsidiary container adapted to be introduced into and removed from the primary container, said subsidiary container being shaped so that when installed in a primary container which is charged with water and turned therewith to a substantially horizontal position it co-operates with the primary container to function after the manner of a barometric fountain.

2,074,604

ALLOY

John W. Bolton, Cincinnati, and Oscar E. Harder, Columbus, Ohio, assignors to The Lunkenheimer Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application December 28, 1934, Serial No. 759,536
1 Claim. (Cl. 75—159)

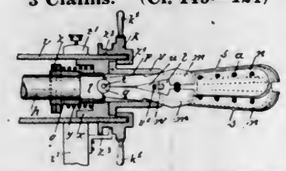
In a heat resisting, permanently ductile alloy free from embrittlement, having the following elements only: copper ranging from 80 to 92 per cent; nickel from 5 to 15 per cent; iron from 1 to 3 per cent; and manganese from ¼ to 3 per cent, the total content of the iron and manganese in the alloy being not less than 1¼ per cent nor more than approximately 5.5 per cent.

2,074,605

BORING TOOL

Johannes Eggemann, Holm, Germany

Application November 6, 1935, Serial No. 48,465
3 Claims. (Cl. 145—124)



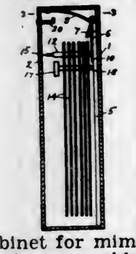
1. A boring tool of the character described comprising a holder, a spindle longitudinally slidable and rotatable in the holder, a sleeve in the holder, said sleeve and spindle being connected for sliding and rotating movements together and to allow a limited sliding movement of the spindle with respect to the sleeve, spreadable cutter blades having shanks pivoted to the spindle and slidably movable therewith in the sleeve, said shanks being held from spreading movement by the sleeve during longitudinal travel of the spindle and sleeve together and adapted to be released for spreading movement by independent forward sliding movement of the spindle in the sleeve, said spindle and sleeve having a predetermined degree of forward travel together short of the full range of forward travel of the spindle to cause the cutter blades to cut a bore of determined diameter, and means coacting with the sleeve for limiting its forward sliding travel with the spindle and for action on the shanks in a continued forward sliding travel of the spindle independent of the sleeve to spread the cutters to enlarge the diameter of the bore.

2,074,606

FILING CABINET FOR MIMEOGRAPH STENCILS

Henry W. Elliot, New York, N. Y.

Application January 28, 1936, Serial No. 61,151
1 Claim. (Cl. 45—2)



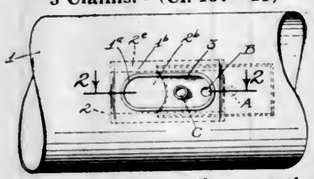
In a filing cabinet for mimeograph stencils, a board adapted to be removably placed against the rear wall in the cabinet and having pins for stencils, a resilient member attached to the front portion of the cabinet and extending rearwardly into the cabinet with its free end extending gradually away from the wall, the free end of the member being adapted to engage the edge portion of the board thereby retaining the same against the wall of the cabinet, and being adapted to be manually released for removing the board from the cabinet.

2,074,607

GATE FOR IRRIGATION PIPES AND THE LIKE

Sigmund Frey, Los Angeles, Calif.

Application July 31, 1931, Serial No. 554,256
5 Claims. (Cl. 137—13)



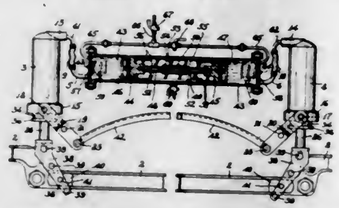
4. In a gate structure for round irrigation pipes, the combination with a pipe wall having an elongated fluid opening with the edge surrounding said opening turned inwardly forming a straight inner surface longitudinally of said pipe, of a supporting member positioned at the inner side of and clinched around the inturned edge of said wall around said opening forming a straight seat longitudinally of said pipe at the inner side of the edge of said opening and provided with guides at the opposite sides of the opening extending inwardly of said pipe, and a gate slidably mounted at its opposite edges between said guides and the seat formed by the clinched portion of said supporting member.

2,074,608
APPARATUS FOR PRODUCING WELLS
James E. Gosline, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application March 16, 1936, Serial No. 69,024
10 Claims. (Cl. 166—2)



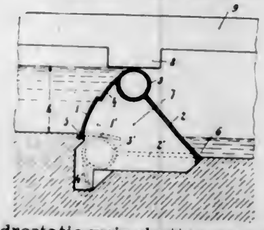
1. In an oil well including a casing and spaced perforation zones in said casing adapted to admit fluid from a plurality of spaced productive formations, the combination of a tubing string extending from the top of said casing to a point adjacent one of said perforation zones, a packer carried by said tubing for sealing said casing above said last named perforation zone to separate fluid therein from that entering said casing above said zone, and valve means in said tubing string above said packer adapted to be controlled from the top of said tubing for admitting fluid from an upper perforated zone into said tubing string.

2,074,609
SUSPENSION MEANS FOR ROAD VEHICLES
Leslie Richard Hooper, Johannesburg, Transvaal, Union of South Africa
Application November 20, 1935, Serial No. 50,734
4 Claims. (Cl. 280—124)



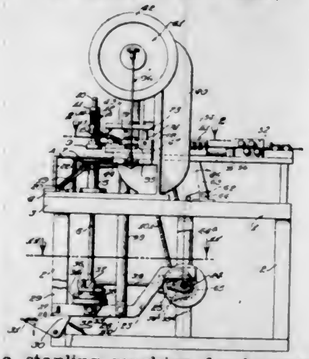
1. A suspension means for road vehicles, including for each of a plurality of the wheels of the vehicle a liquid-containing cylinder and a co-operating piston, a flexible tubular connection placing said cylinders in communication, and cushioning means interposed in the tubular connection between the cylinders, each cylinder and its piston being connected the one to the underframe of the vehicle and the other to the part by which its wheel is carried, said cushioning means including a cylinder, two pistons arranged in said cylinder, a telescopic connection between the pistons, and a spring between the pistons, as set forth.

2,074,610
HYDROSTATIC WEIR SHUTTER
František Jermář, Opava, Czechoslovakia
Application July 22, 1935, Serial No. 32,540
In Czechoslovakia May 20, 1935
3 Claims. (Cl. 61—27)



1. A hydrostatic weir shutter comprising a substructure having a well, a leaf hinged horizontally to the substructure at the low water side of the well, a cylinder carried at the free end of the leaf and radially aligned therewith, an arcuate shield projecting from the cylinder through an extent greater than the diameter thereof and facing the high water, said shield being tangential to the cylinder and concentric with the hinge, and a second leaf hinged horizontally to the substructure at the high water side of the well and adapted to slide with its free end on the shield across the cylinder.

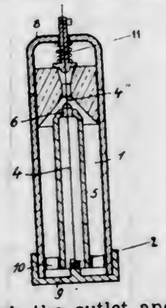
2,074,611
STAPLING MACHINE
Henry M. Kinslow, Santa Ana, Calif., assignor to San Diego Fruit and Produce Company, San Diego, Calif., a corporation of California
Application July 22, 1935, Serial No. 32,521
13 Claims. (Cl. 1—13.6)



1. In a stapling machine for hamper lids; a staple forming mechanism including means for cutting a staple blank and means for forming a double ended staple therefrom, means for converging the ends thereof; a staple blank driving mechanism; a clinching means therefor engageable with one end only of said staple; and means for feeding said staples individually from said forming mechanism to said driving mechanism.

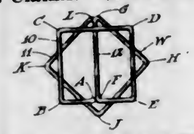
2,074,612
ARC RUPTURING DEVICE FOR ELECTRIC SAFETY FUSES
Emil Lange, Berlin-Zehlendorf, Germany
Application December 10, 1935, Serial No. 53,750
In Germany January 14, 1935
3 Claims. (Cl. 200—120)

2. An electric safety fuse of the character described comprising an insulating casing containing a fluid and having at one end a narrow outlet for said fluid, a contact member at each end of the casing, a bell of insulating material supported within the casing with the crown turned towards the outlet, a conducting member fitted in the crown of the bell, and fuse wires connecting said conducting member with one



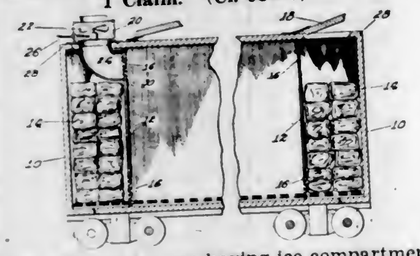
contact through the outlet and with the other contact through the bell so that, on fusing of the wires, arcs will be formed at the outlet as well as within the bell, the latter being arranged so that the fluid pressure within it caused by the arc will cause the fluid outside it to be ejected through the outlet for rupturing the arc at the latter.

2,074,613
CLIP
Einar Laursen, Minneapolis, Minn.
Application March 23, 1936, Serial No. 70,456
8 Claims. (Cl. 24—261)



1. A paper clip comprising a resilient wire bent to form a pair of loops disposed closely adjacent each other about a common axis normal to the planes thereof and a connecting element extending across said clip substantially through said axis from a point on one of said loops to a point on the other of said loops.

2,074,614
PRECOOLING REFRIGERATION SYSTEM
Lael Charles Lee, Los Angeles, Calif.
Application November 26, 1934, Serial No. 754,722
1 Claim. (Cl. 98—7)



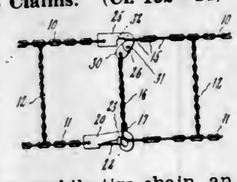
In a refrigerator car having ice compartments, ice hatchways and drain openings, means for drawing outside air into the car through the drain openings at the bottom of the ice compartments and expelling the warm air from said car, said means comprising a removable fan mounted in one of the ice hatchways, and a tube associated with the fan for removing warm humid air through said hatchway, but preventing loss of any cooled air which has contacted the ice in the compartment, said tubes leading over the ice and opening into the upper portion of the car, thereby setting up a circulation of air in the car and over the ice and over the other contents of the car.

2,074,615
HAT AND COAT HANGER FOR AUTOMOBILES
Robert C. Look, Escondido, Calif.
Application September 11, 1935, Serial No. 40,161
5 Claims. (Cl. 211—31)



1. In a hat and coat hanger for automobiles, a base plate provided with a groove extending therein across the middle and provided with a central hole communicating with said groove intermediate its ends, a clamp plate secured thereto over said groove and the whole secured to the vehicle top, and a pair of opposed spring wire loop members with extended ends adapted to fit in said groove and with right angle turns fitting in said hole.

2,074,616
AUTOMOBILE TIRE CHAIN
Edgar J. Martel, Laconia, N. H.
Application June 28, 1934, Serial No. 732,877
5 Claims. (Cl. 152—14)

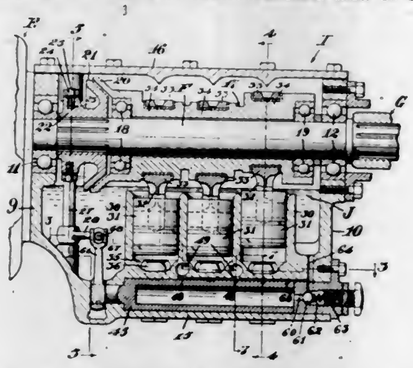


1. In an automobile tire chain, an eye, a flexible member slidable through said eye, a detent device connected in said member and adapted to form a substantially closed loop linked with said eye to prevent sliding of said member through said eye when the portions of the member attached to said device lead off in directions at right angles to each other, and means operable by changing the angle between said directions to open said loop.

2,074,617
HYDRAULIC TRANSMISSION FOR VEHICLE BRAKES
Eugene M. Morehouse, Tujunga, Calif., assignor to Clyde A. Roeder, Omaha, Nebr.
Application July 25, 1935, Serial No. 33,011
5 Claims. (Cl. 188—2)

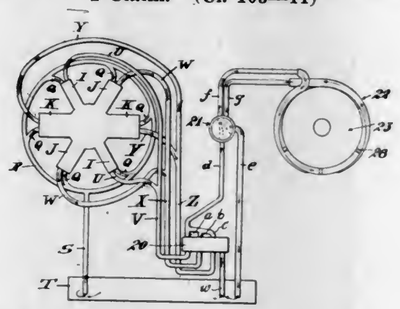
1. In a brake applicator, an engine driven shaft, a liquid containing housing, a pump for circulating the liquid in said housing, brake operating mechanism controlled by liquid pressure developed by said pump, means for relieving pump pressure on the latter reaching a predetermined amount, a valve for controlling circulation of the liquid and for placing said brake operating mechanism in and out of operative relation to said pump, means for placing said pump in and

out of operative relation to said shaft, and manually operated means for collectively effecting operation of said last named means and of said



valve including means for placing said pump in operative relation to said shaft in advance of operation of said valve to effect actuation of said brake operating mechanism.

2,074,618
PUMPING SYSTEM
Clyde A. Roeder, Omaha, Nebr.
Application August 1, 1934, Serial No. 737,903
1 Claim. (Cl. 103—11)

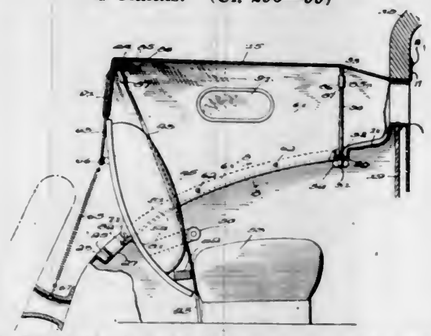


In a pumping apparatus, a pump, a conduit leading from the discharge side of said pump, a valve housing having a space therein with which said conduit communicates, a discharge conduit leading from said space in continuation of said first named conduit, a reciprocable valve in said housing one end of which is exposed at all times to liquid flowing through said space, means for limiting movement of said valve toward said space comprising a flange, spring means normally holding said valve against said flange, a plurality of pumps associated with said first named pump, conduits leading from the discharge outlets of said plurality of pumps, spaced ports in said housing with which said last named conduits communicate, passages in said valve opening to said ports when said valve is in a forwardmost position against said flange, and conduits leading from said valve housing to said discharge conduit communicating with the passages in said valve; said valve being movable away from said flange in opposition to said spring under the urge of fluid pressure in said space, and the passages in said valve being arranged to successively close the conduits leading to the discharge conduit by movement of said valve in opposition to said spring.

2,074,619
A PROCESS OF PREPARING ACETALDEHYDE FROM ACETYLENE
Paul Roth, Heinrich Elvert, and Franz Steinberger, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application February 27, 1934, Serial No. 713,160. In Germany November 26, 1932
2 Claims. (Cl. 260—139)

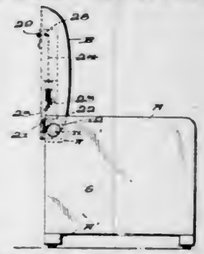
1. The process of preparing acetaldehyde, which comprises conducting acetylene into a dilute acid containing metallic mercury and an oxidizing agent while maintaining the temperature between 92° C. and the boiling point of the reaction liquid.

2,074,620
AUXILIARY TOP FOR AUTOMOBILES
Antonio Sa Couto, Fall River, Mass., assignor of one-half to Joseph F. Souza
Application October 29, 1935, Serial No. 47,322
4 Claims. (Cl. 296—99)



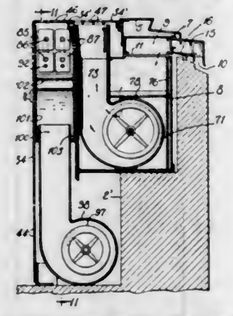
1. In a vehicle body having a cab and a rear deck providing a rumble seat pit, a seat in said pit, a closure for said pit and providing a backrest for said seat, pivot means at the sides of said pit for swingably supporting said closure; the combination of a removable top for said rumble seat, and supporting means for said top including rods having a length sufficient to permit their being inserted downwardly into each side of said pit rearwardly of said pivot means and seat, and the lower edge of said closure when in backrest defining position providing a sustaining support for said rods whereby to hold them adjacent said seat.

2,074,621
ADJUSTABLE CHAIR BACK
Irving Salomon, Michigan City, Ind.
Application June 26, 1934, Serial No. 732,497
1 Claim. (Cl. 155—160)



An adjustable back chair comprising a main chair body, a stationary shaft extending transversely of and secured to the chair body at the rear thereof, an adjustable chair back supported at its lower end on the stationary shaft and mounted to swing on the shaft, a pair of spaced upstanding supports in the central part of the chair back rigidly secured to the frame of the back and embracing the stationary shaft, a stationary ratchet wheel interposed between the spaced supports and rigidly secured to the supporting shaft, a locking pawl normally engageable with the ratchet wheel pivoted to the spaced supports, a slotted arm connected to the pawl, a spring pressed rod slidably mounted in the chair back having one end disposed in the slotted arm and adapted to release the locking pawl from engagement with the ratchet wheel for adjustment of the chair back.

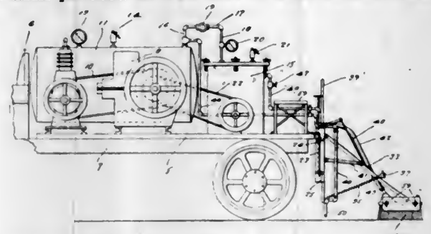
2,074,622
VENTILATING AND AIR TREATING PROVISION
Allston Sargent, Bronxville, N. Y., and Addison C. Armstrong, Baltimore, Md., assignors to Campbell Metal Window Corporation, New York, N. Y., a corporation of Maryland
Application June 3, 1933, Serial No. 674,188
23 Claims. (Cl. 257—137)



1. The combination with the wall of a room having a window casing therein and a recess space beneath and in front of said casing, of casing parts uniting with said wall to enclose a space including said recess and adapted to receive ventilating and air treating means, said casing parts including members in fixed and rigid relation with said wall and comprising vertical corner posts adjacent the room side ends of the end walls of said space extending upward from the floor level to the level of the lower portion of the window casing and horizontal parts extending from the upper ends of said corner posts to the corresponding ends of the lower portion of said window casing and connected to the latter, a vertical cover plate portion engaging and supported by said corner posts and a horizontal cover plate portion engaging and supported by said horizontal parts.

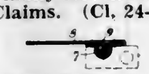
2,074,623
HIGHWAY STRIPER
Elmer T. Schroth, Carrolltown, Pa.
Application April 22, 1936, Serial No. 75,850
8 Claims. (Cl. 91—39)

1. In combination with a vehicular body, laterally spaced brackets secured to said body at the rear end thereof, a rack bar supported horizontally between said brackets, a member slidably supported by said rack bar and movable therealong, a shaft carried by said member and provided with a pinion engaging the teeth of the rack bar for effecting an adjustment of said member transversely relative to the truck body, an arm pivoted at one end to said member, and



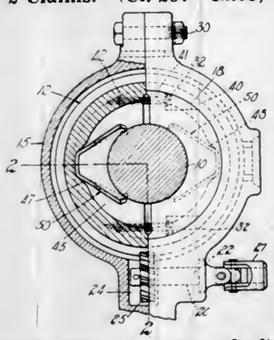
a road engaging brush pivoted to the free end of said arm.

2,074,624
SLIDING CLASP FASTENER
Arthur Schweinburg, Prague, and Fritz Waschiczeck, Reichenberg, Czechoslovakia, assignors to firm Waldes & spol., Prague, Czechoslovakia
Application November 16, 1934, Serial No. 753,388
In Germany November 25, 1933
2 Claims. (Cl. 24—205)



1. A sliding clasp fastener, comprising a pair of carrying bands each consisting structurally of a single layer in one plane, a bead extending along one side of each of the carrying bands, a row of fastening members secured side by side to each of the beads in a plane parallel to the plane of the carrying bands, the fastening members being bifurcated to form locking limbs which grip the beads, and the beads being at such a distance behind the edges of the carrying bands that when the fastening is closed the free margins of the two carrying bands completely cover the interlocking portions of the fastening members.

2,074,625
LOCK DEVICE
Harvey L. Spaunburg, Bristol, Conn., assignor to Veeder-Root, Incorporated, Hartford, Conn., a corporation of Connecticut
Application February 26, 1934, Serial No. 712,880
2 Claims. (Cl. 287—52.05)



1. In combination, a power shaft, a power transferring member adapted to be mounted on said shaft and having an internal recess, a lock member interposed between said shaft and power transferring member and comprising a relatively stiff U-shaped member having an intermediate connecting portion fitting in and directly abutting against the bottom wall of said recess to prevent said connecting portion from

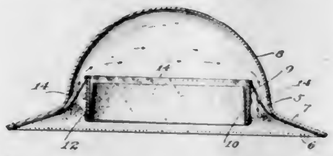
moving relative to the power transferring member, a pair of arms respectively extending outwardly from the opposite outer ends of said intermediate connecting portion, the free ends of said arms having teeth adapted to engage and bite into the surface of said shaft, said teeth serving as the sole supporting means for the outer ends of the arms which are substantially free and unsupported between their ends at all times the arms having sufficient rigidity so that they will not appreciably flex under the longitudinal thrusts exerted thereon when the shaft is driven.

2,074,626
ANTIDAZZLE DEVICE FOR VEHICLE HEAD LAMPS
Andrew Lumisden Strange, Hove, England
Application November 15, 1935, Serial No. 50,014
In Great Britain November 20, 1934
2 Claims. (Cl. 240—41.35)



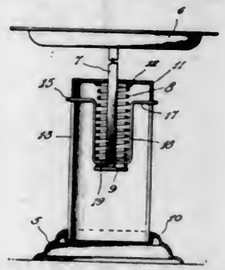
1. A headlamp including a light source having its reflector formed of two parts united to produce a single element at a vertical plane at right angles to the axis of the lamp and containing the focal points of the two parts, the part to the rear of said vertical plane being so related to the source of light that said source is located in the plane containing the focal point of the rear part but is spaced a slight distance above said focal point, while the front reflector part is so related to the source of light that the latter is substantially in the horizontal plane containing the focal point of such front part but is located unilaterally relative to the focal point of such front part, said two reflector parts having their axes parallel.

2,074,627
SAFETY HAT OR CAP
Albert A. Strauss, Pittsburgh, Pa.
Application April 28, 1936, Serial No. 76,843
1 Claim. (Cl. 2—3)



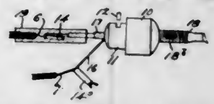
A safety headgear to protect the head from blows and shocks of falling objects comprising integrally molded rigid crown and brim portions in combination with a frusto-conical member centrally positioned within said crown and secured throughout the extent of its basal perimeter to the under side of said rigid brim and a flexible head-band having its inner marginal edge secured throughout its extent to the top marginal edge of said frusto-conical member, said head-band depending freely from said top marginal edge, whereby the top edge of the head-band is substantially rigidly held in spaced relation with respect to the crown while the bottom free edge of the head-band may conform to the shape of the wearer's head.

2,074,628
SPRING SCALE
Robert S. Tatum, East Orange, N. J.
Application September 27, 1935, Serial No. 42,503
2 Claims. (Cl. 265—63)



1. In a weighing scale, a stationary casing having oppositely disposed vertical guide slots and provided with a plurality of spaced graduated scales on the exterior wall thereof, a coiled spring disposed within the casing, a pan operatively connected with the spring, an indicating annulus entirely surrounding the exterior of the casing and movable over the graduated scales, and a depending U-shaped yoke of less width than the diameter of the annulus disposed within the casing and extending between adjacent convolutions of the spring, said yoke forming a seat for the spring and having its upper ends provided with laterally extending arms slidably mounted within the guide slots and rigidly connected with the indicating annulus.

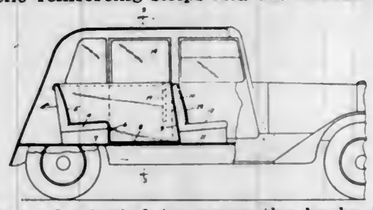
2,074,629
ADAPTABLE ELECTRIC HAND TOOL
Harry A. Ungar, Los Angeles, Calif.
Application June 26, 1935, Serial No. 28,534
3 Claims. (Cl. 219—21)



1. An electric hand tool including a heating coil assembly which includes a bushing and a core tube extending from one end thereof, a resistance coil cemented on the tube and in the bushing, coil terminals one of which extends through the tube and the other free outside thereof, service wires connected to the terminals and a refractory tubular shield telescoped on one of the connections and telescoping over the extended core end.

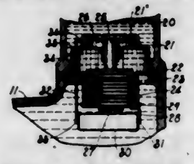
2,074,630
AUTO-SEAT COVER
Thomas G. Ware, Newnan, Ga.
Application December 12, 1935, Serial No. 54,127
1 Claim. (Cl. 296—1)

As a new article of manufacture, the covering described for the upholstered rear interior of an automobile, comprising essentially a sheet-like covering of fabric including sides, ends and a bottom, said sides and one of said ends having hems at their upper edges, metallic reinforcing strips in said hems of said sides, said reinforcing strips having inwardly directed end portions extending into the ends of the hems of said one end member, vertically disposed elongated pockets on said sides of the cover, hooks arranged to engage the edges of automobile windows to support the cover and having shanks extending downwardly in said pockets, and means connecting the reinforcing strips and the shanks of the



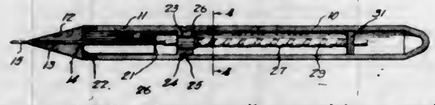
hooks and adapted to secure the hooks in the pockets.

2,074,631
ENGINE COOLING SYSTEM
Harold S. White, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application April 1, 1936, Serial No. 72,133
4 Claims. (Cl. 123—178)



1. In an engine fluid cooling system, a thermostatically controlled valve therein, a float operative by the fluid in said system, and a valve movable by said float to permit the escape of air from above the fluid level in said engine and to thereby permit substantially the complete filling of the fluid space in said engine with fluid.

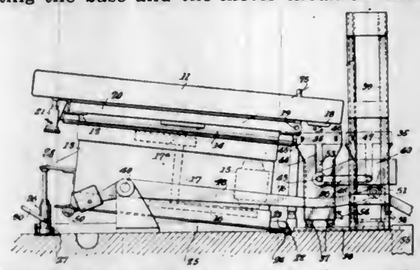
2,074,632
PENCIL
Edgar B. Whitney, Sierra Madre, Calif.
Application May 13, 1935, Serial No. 21,170
3 Claims. (Cl. 120—18)



3. A self-filling lead pencil comprising a main barrel closed at one end, an auxiliary barrel having a point at one end and the other end being telescoped within the open end of the main barrel, said auxiliary barrel being held in relation to the main barrel by means of a knurled joint portion of the main barrel, a magazine within the auxiliary barrel having a V-shaped trough therein, a central passageway at the apex of said trough, said trough being adapted to carry a plurality of leads successively falling by gravity into said passageway when the pencil is in a lateral position and the proceeding lead has been forced out of said passageway and means operated by relative rotation of the barrel sections to forward said lead.

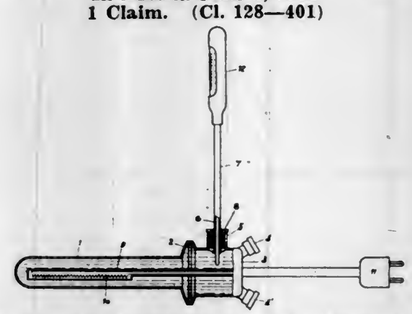
2,074,633
GRAINING MACHINE
Charles Zarkin, New York, N. Y.
Application December 18, 1934, Serial No. 758,025
17 Claims. (Cl. 51—6)

2. In a plate graining machine, the combination of a base, a graining tub directly supported on said base, a motor in the base for imparting graining movements to said tub and means for tilting the base and the motor mounted therein



without changing the supported relation of the graining tub on the base.

2,074,634
TUBULAR HEATING DEVICE FOR GYNECOLOGICAL PURPOSES
Henri Ackermann, Strasbourg, France
Application May 27, 1935, Serial No. 23,735
In Austria June 2, 1934
1 Claim. (Cl. 128—401)



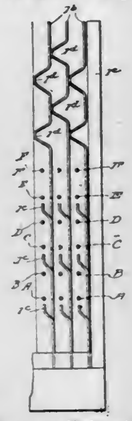
An electrically heated, liquid filled heating device for gynecological purposes comprising an elongated tubular casing closed at one end, and adapted to contain a liquid, said casing having a shoulder at its other end for limiting the insertion of the casing, a chamber of enlarged diameter beyond the shoulder in prolongation of and in communication with the tubular casing, an electrical heating device within the tubular casing and surrounded by the liquid therein, a filling opening in said chamber, a second opening in said chamber at right angles to the axis of the casing and a thermometer in said second opening having the bulb end thereof in the liquid in said chamber and the other end thereof projecting substantially at right angles to the casing.

2,074,635
LEASE FORMING REED
Simpson James Adams, Greenville, S. C.
Application April 13, 1935, Serial No. 16,250
14 Claims. (Cl. 28—40)

1. A leasing reed comprising a plurality of splits supported in parallel spaced relation, and a plurality of hook elements supported on each split in spaced relation along the length thereof, said hook elements being positioned to engage warp ends lying to one side of the center of the reed space but to allow warp ends to freely pass around the hooks on the other side of the center of the reed space.

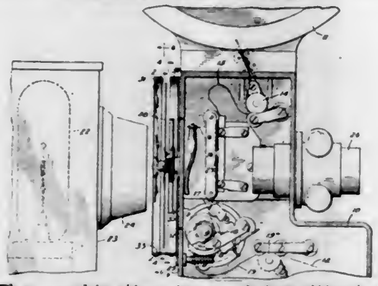
14. A reed comprising a back bar supporting a plurality of equally spaced splits, and a plurality of hook elements supported on each split in

spaced relation along the length thereof, said hook elements being arranged in a plurality of parallel



rows substantially parallel with said back bar, each split being provided with a hook element located in each parallel row of hooks.

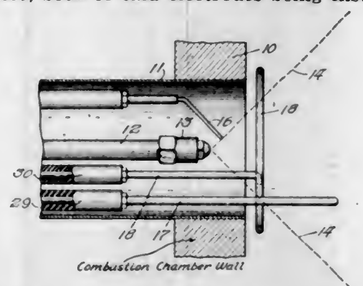
2,074,636
PROJECTION SHUTTER
Lloyd J. Andres, Grand Rapids, Mich., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application November 8, 1933, Serial No. 697,167
7 Claims. (Cl. 88—19.3)



1. The combination in an intermittent light interceptor of a positively driven apertured shutter, an auxiliary shutter rotatably mounted in coaxial relation with said shutter, a rotatably mounted connection disc interposed between the two shutters, projecting means mounted on the disc and the positively driven shutter for limiting the relative movement therebetween, a traction spring urging the disc forwardly from the shutter, the disc having a lug for driving the auxiliary shutter, and a cushioning spring urging the auxiliary shutter forwardly into contact with the driving lug, the auxiliary shutter having radial vanes mounted thereon so that the wind resistance retards the auxiliary shutter to the limit of its motion rearwardly when the positively driven shutter is in motion.

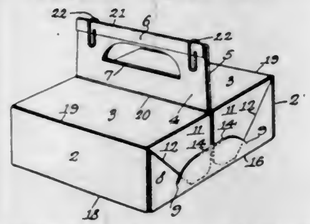
2,074,637
FLAME FAILURE INDICATOR
Earle W. Ballentine, Chicago, Ill., assignor to Solar Industries, Inc., Chicago, Ill., a corporation of Illinois
Application June 1, 1936, Serial No. 82,957
4 Claims. (Cl. 177—311)

1. Apparatus controlled by the flame in a combustion chamber, including: an electrode having an appreciable portion thereof in said flame heated to incandescence thereby; a second electrode adjacent said flame but sufficiently spaced therefrom to remain at a temperature below incandescence, both of said electrodes being insulated



from ground and each other; means for maintaining a voltage differential of at least about 500 volts between said electrodes, whereby a current flows therebetween while said portion in said flame is heated thereby; and current responsive means in series with said electrodes.

2,074,638
COLLAPSIBLE BOX
Edith Mae Black, Chicago, Ill.
Application November 20, 1934, Serial No. 753,939
4 Claims. (Cl. 229—52)

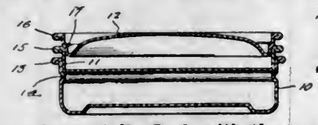


4. A collapsible box comprising a bottom, vertical side walls and end walls hinged thereto, top members hinged to the upper edges of said side walls and extending inwardly toward each other, the top members having upstanding contacting strips constituting handle means, the end walls having each a pair of slits extending upwardly and toward each other, the top members having depending wings overlapping the major intermediate portions of the end walls and being provided with laterally extending notches in the adjacent edge portions producing tongue portions which extend thru said slits, said notches receiving said end walls while a pair of tongue portions on an end wall extend toward each other and are forced securely in said slits by any load in the box, whereby the end walls and therewith the bottom are fully and securely supported on the top members and the handle means.

2,074,639
COMPARTMENT BOX
Ralph V. Burdick, Albany, N. Y.
Application July 12, 1934, Serial No. 734,827
1 Claim. (Cl. 220—20)

A shoe polish box having superimposed compartments, and including a body unit having an annular bead projecting inwardly from the wall thereof a definite distance from its upper edge, and a flange projecting outwardly from said edge, an intermediate removable box-like unit

partly and frictionally fitted within the body unit and reposing on said rib to define a lower compartment between the bottoms of said units, a flange projecting outwardly from the upper edge of the intermediate unit and spaced from the flange of the body unit whereby said units may be readily separated, and a removable friction cover unit including an annular side wall partly and frictionally fitted in said intermediate unit and having a convex top wall curved upwardly from the lower edge of its side wall and lying



in a plane substantially flush with the upper edge of said cover unit, the side wall of said cover unit having an outwardly projecting annular shoulder reposing on the upper edge of the intermediate unit to limit the insertion of the cover unit and thereby define a compartment between these adjacent units and a flange projecting from the upper edge of the cover unit and spaced from the flange of the intermediate unit, whereby any of said units can be selectively separated from the adjacent unit to permit access to any particular compartment.

2,074,640
POCKETKNIFE
Russ J. Christy, New Smyrna, Fla., assignor to The Christy Company, Fremont, Ohio, a corporation of Ohio
Application September 20, 1935, Serial No. 41,471
13 Claims. (Cl. 30—10)



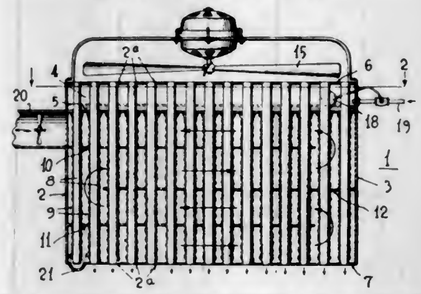
9. A handle for a knife of the type having a blade longitudinally slidable and adapted to be projected beyond the end of the handle comprising a single piece of metal of suitable cross section formed into a rigid closed loop having two parallel side track members and connecting end members, one of said end members having a passage therethrough for the blade.

2,074,641
MEASUREMENT OF HIGH TEMPERATURES
William Jasper Clark, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application September 30, 1936, Serial No. 103,469
In Great Britain May 23, 1934
7 Claims. (Cl. 73—32)



1. A pyrometer set-up comprising a photo-electric cell of the type which transforms radiant energy into electrical energy without the use of any auxiliary power source, means for concentrating radiant energy on the photo-electric cell, said cell being in circuit with means for measuring a very small maximum current output of the cell when exposed to radiation, the total resistance of the said circuit external to the said cell being chosen in relation to the maximum current output so that the latter is substantially independent of the temperature of the surroundings.

2,074,642
COOLING APPARATUS
George C. Coverston, Fallon, Nev.
Application May 15, 1935, Serial No. 21,652
5 Claims. (Cl. 62—139)



1. A cooling device comprising an evaporation chamber, a liquid compartment within the evaporation chamber, air conduits partly covered with porous material extending through the evaporation chamber and liquid compartment and means to deflect a portion of the air emerging from the conduits through the evaporation chamber and around the air conduits for ejection to the atmosphere.

2,074,643
DEVICE FOR HOLDING ORNAMENTS, ILLUMINATION DEVICES, AND SO FORTH
Mauriz Domenego, Vienna, Austria
Application October 14, 1935, Serial No. 44,945
In Austria March 16, 1935
6 Claims. (Cl. 24—3)

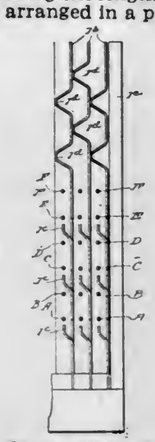


1. Device for holding ornaments, illumination devices and other articles on tube-like garments, stockings and the like, comprising in combination, an annular inner member, an outer clamping member adapted to be removably clamped to said inner member and consisting of curved clamping parts connected so as to be movable with respect to one another, a flexible member co-operating with said clamping parts and having the tendency to force said parts towards each other, and means on said outer member for attaching said article.

2,074,644
PROCESS OF EXTRACTING AND RECOVERING VOLATILE HYDROCARBONS FROM GASES
Harry E. Drennan, Whittenburg, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 11, 1935, Serial No. 44,610
5 Claims. (Cl. 183—114)

1. The process of extracting volatile hydrocarbons from gases containing such hydrocarbons which comprises passing the gases successively

spaced relation along the length thereof, said hook elements being arranged in a plurality of parallel



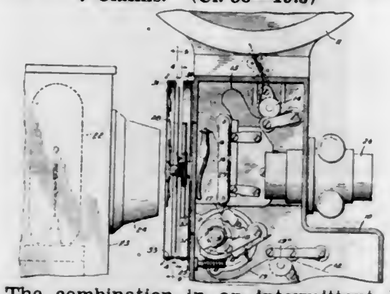
rows substantially parallel with said back bar, each split being provided with a hook element located in each parallel row of hooks.

2,074,636

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1. The combination in an intermittent light interceptor of a positively driven apertured shutter, an auxiliary shutter rotatably mounted in coaxial relation with said shutter, a rotatably mounted connection disc interposed between the two shutters, projecting means mounted on the disc and the positively driven shutter for limiting the relative movement therebetween, a traction spring urging the disc forwardly from the shutter, the disc having a lug for driving the auxiliary shutter, and a cushioning spring urging the auxiliary shutter forwardly into contact with the driving lug, the auxiliary shutter having radial vanes mounted thereon so that the wind resistance retards the auxiliary shutter to the limit of its motion rearwardly when the positively driven shutter is in motion.

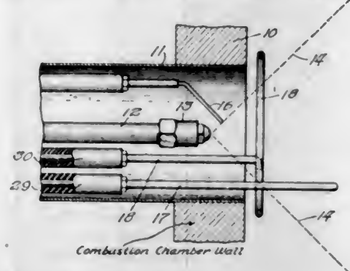
2,074,637

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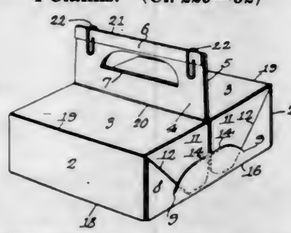
from ground and each other; means for maintaining a voltage differential of at least about 500 volts between said electrodes, whereby a current flows therebetween while said portion in said flame is heated thereby; and current responsive means in series with said electrodes.

2,074,638

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Edith Mae Black, Chicago, Ill.

Application November 20, 1934, Serial No. 753,939
4 Claims. (Cl. 229—52)



4. A collapsible box comprising a bottom, vertical side walls and end walls hinged thereto, top members hinged to the upper edges of said side walls and extending inwardly toward each other, the top members having upstanding contacting strips constituting handle means, the end walls having each a pair of slits extending upwardly and toward each other, the top members having depending wings overlapping the major intermediate portions of the end walls and being provided with laterally extending notches in the adjacent edge portions producing tongue portions which extend thru said slits, said notches receiving said end walls while a pair of tongue portions on an end wall extend toward each other and are forced securely in said slits by any load in the box, whereby the end walls and therewith the bottom are fully and securely supported on the top members and the handle means.

2,074,639

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Application July 12, 1934, Serial No. 734,827
1 Claim. (Cl. 220—20)

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partly and frictionally fitted within the body unit and reposing on said rib to define a lower compartment between the bottoms of said units, a flange projecting outwardly from the upper edge of the intermediate unit and spaced from the flange of the body unit whereby said units may be readily separated, and a removable friction cover unit including an annular side wall partly and frictionally fitted in said intermediate unit and having a convex top wall curved upwardly from the lower edge of its side wall and lying



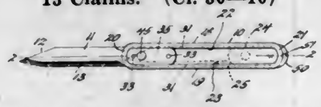
in a plane substantially flush with the upper edge of said cover unit, the side wall of said cover unit having an outwardly projecting annular shoulder reposing on the upper edge of the intermediate unit to limit the insertion of the cover unit and thereby define a compartment between these adjacent units and a flange projecting from the upper edge of the cover unit and spaced from the flange of the intermediate unit, whereby any of said units can be selectively separated from the adjacent unit to permit access to any particular compartment.

2,074,640

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13 Claims. (Cl. 30—10)



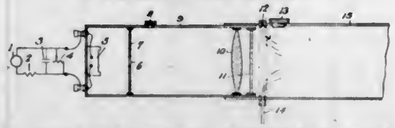
9. A handle for a knife of the type having a blade longitudinally slidable and adapted to be projected beyond the end of the handle comprising a single piece of metal of suitable cross section formed into a rigid closed loop having two parallel side track members and connecting end members, one of said end members having a passage therethrough for the blade.

2,074,641

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7 Claims. (Cl. 73—32)



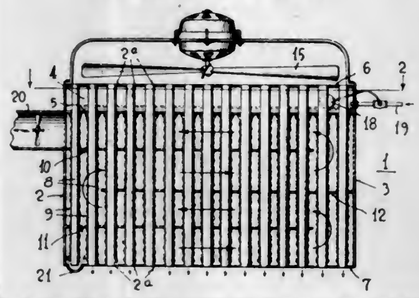
1. A pyrometer set-up comprising a photo-electric cell of the type which transforms radiant energy into electrical energy without the use of any auxiliary power source, means for concentrating radiant energy on the photo-electric cell, said cell being in circuit with means for measuring a very small maximum current output of the cell when exposed to radiation, the total resistance of the said circuit external to the said cell being chosen in relation to the maximum current output so that the latter is substantially independent of the temperature of the surroundings.

2,074,642

COOLING APPARATUS

George C. Coverston, Fallon, Nev.

Application May 15, 1935, Serial No. 21,652
5 Claims. (Cl. 62—139)



1. A cooling device comprising an evaporation chamber, a liquid compartment within the evaporation chamber, air conduits partly covered with porous material extending through the evaporation chamber and liquid compartment and means to deflect a portion of the air emerging from the conduits through the evaporation chamber and around the air conduits for ejection to the atmosphere.

2,074,643

DEVICE FOR HOLDING ORNAMENTS, ILLUMINATION DEVICES, AND SO FORTH

Mauriz Domenego, Vienna, Austria

Application October 14, 1935, Serial No. 44,945
In Austria March 16, 1935
6 Claims. (Cl. 24—3)



1. Device for holding ornaments, illumination devices and other articles on tube-like garments, stockings and the like, comprising in combination, an annular inner member, an outer clamping member adapted to be removably clamped to said inner member and consisting of curved clamping parts connected so as to be movable with respect to one another, a flexible member co-operating with said clamping parts and having the tendency to force said parts towards each other, and means on said outer member for attaching said article.

2,074,644

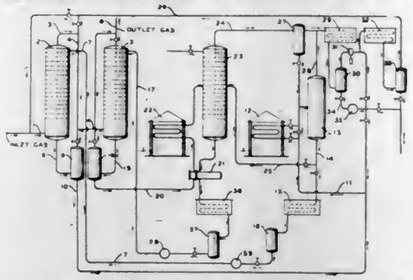
PROCESS OF EXTRACTING AND RECOVERING VOLATILE HYDROCARBONS FROM GASES

Harry E. Drennan, Whittenburg, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware

Application October 11, 1935, Serial No. 44,610
5 Claims. (Cl. 183—114)

1. The process of extracting volatile hydrocarbons from gases containing such hydrocarbons which comprises passing the gases successively

through two absorbers, contacting them in the first absorber with an oil which is partly volatile under the conditions of contact, and in the second absorber with an oil which is substantially non-volatile under the conditions of contact, maintaining superatmospheric pressure in both absorbers, and circulating oil to both absorbers at such rates that at least twice as many gallons of oil are pumped to the said first as are pumped to the said second absorber.



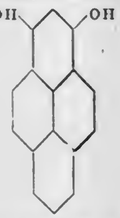
2,074,645
PYRENE COMPOUNDS

Josef Ebersberger, Leverkusen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application October 31, 1935, Serial No. 47,719. In Germany November 8, 1934

1 Claim. (Cl. 260—154)

3.5-dihydroxypyrene of the formula:



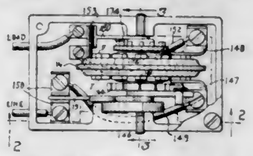
being a colorless crystalline substance insoluble in water, soluble in aqueous alkalies, and being a valuable intermediate product for the manufacture of dyestuffs.

2,074,646
AUTOMATIC REFUSING MECHANISM

William H. Frank, Joseph A. Messing, and Harrison J. L. Frank, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia

Original application April 19, 1933, Serial No. 666,786, now Patent No. 2,000,016, dated May 7, 1935. Divided and this application February 2, 1935, Serial No. 4,606

6 Claims. (Cl. 200—126)



1. In a multiple fuse device, a body having fuses thereon, means for moving the body for refusing the circuit, as fuses blow, means for limiting the number of refusing operations of the first mentioned means, and reset means manually operable to render the limiting means inoperable and restore the operability of the refusing means.

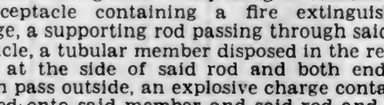
2,074,647
MANUFACTURE OF FOILS AND ARTIFICIAL PRODUCTS

Max Hagedorn and Armin Ossenbrunner, Dessau in Anhalt, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application June 27, 1933, Serial No. 677,930

In Germany July 2, 1932

6 Claims. (Cl. 95—9)



3. A moulded article comprising an electrifiable highly polymeric colloid and a compound selected from the group consisting of an alkali metal salt of a polymeric carboxylic acid, mixed polymerization products containing an alkali metal salt of a polymeric carboxylic acid, and mixed condensation products containing an alkali metal salt of a polymeric carboxylic acid.

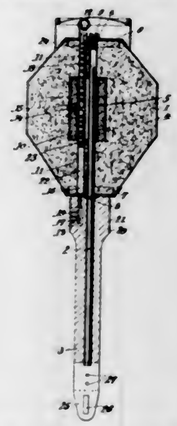
2,074,648
FIRE EXTINGUISHER

Emmerich Halmann, Atzgersdorf, Vienna, Austria, assignor of one-half to "Impa" Import- und Versand-Gesellschaft m. b. H., Stuttgart, Germany, a company of Germany

Application December 5, 1935, Serial No. 53,068

In Austria December 11, 1934

5 Claims. (Cl. 169—28)



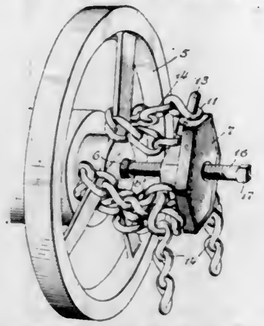
1. Fire extinguisher comprising in combination a receptacle containing a fire extinguishing charge, a supporting rod passing through said receptacle, a tubular member disposed in the receptacle at the side of said rod and both ends of which pass outside, an explosive charge container pushed onto said member and said rod and surrounded by said fire extinguishing charge, a priming cap disposed in said explosive charge, a lateral hole in said tubular member and a fuse arranged in said tubular member and passing through said hole and connected with said priming cap.

2,074,649
WHEEL PULLER

Herbert Herkimer, New York, N. Y., assignor to Servicemen Supply Company, New York, N. Y., a co-partnership composed of Herbert Herkimer and Harold Herkimer

Application March 21, 1936, Serial No. 70,095

1 Claim. (Cl. 29—85)



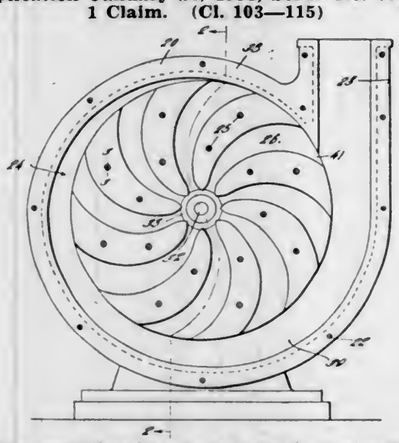
A wheel puller comprising a base plate having a central boss and lugs arranged at intervals about the perimeter thereof, a series of pins extending radially from said boss and through said lugs at equally spaced distances, with the outer ends of said pins projecting beyond said perimeter, a flexible spoke-embracing element for each pin having one end connected thereto between said boss and the lug through which the pin extends and attachable at or adjacent its other end to the projecting end of the pin to which the first-named end is joined, and a screw threaded in said boss and engageable with the shaft of a wheel to exert a pulling action upon the latter through said spoke-embracing elements when said screw is turned.

2,074,650
CENTRIFUGAL PUMP

William S. Holdaway, Los Angeles, Calif.

Application January 24, 1934, Serial No. 708,124

1 Claim. (Cl. 103—115)



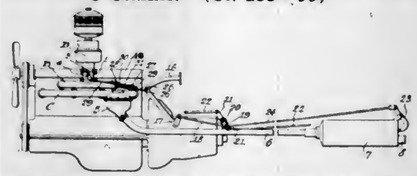
In a centrifugal pump, a rotor formed with an axial chamber having an inlet at one side, a plurality of circumferentially spaced Venturi passages in said rotor and having their radially outward ends terminating in circumferentially elongated discharge openings and their radially inward ends terminating in flaring radially inwardly facing mouths opening directly into said axial chamber, said Venturi passages having non-radial portions curving away from the direction of rotation of the rotor, said non-radial portions being located radially outwardly from said flaring mouths.

2,074,651
BRAKE

Donald M. Huffman and William F. Friend, Keyser, W. Va., assignors of one-third to John H. Massie, Jr., Edinburg, Va.

Application March 26, 1936, Serial No. 71,030

3 Claims. (Cl. 188—99)



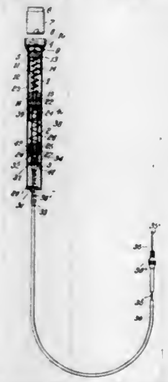
1. The combination with an internal combustion engine having an exhaust manifold and an intake manifold, of mechanical brake mechanism including an operating element, and a compression brake mechanism comprising a compression cylinder communicating with the exhaust pipe and having an outlet, a valve in the cylinder, means connected to the operating element for holding the valve open, said means being shiftable by said element to release the valve, and means for closing the valve automatically when released to prevent flow of gases from the outlet of the cylinder.

2,074,652
DEVICE FOR FIRING FLASHLIGHT CARTRIDGES

Albert Kälber, Pforzheim, Germany

Application March 2, 1936, Serial No. 66,752

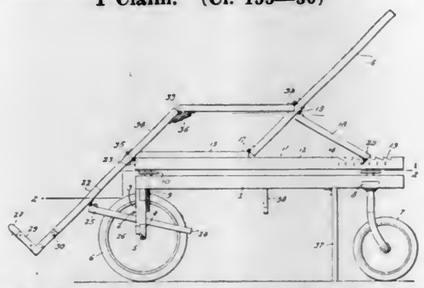
3 Claims. (Cl. 67—29)



2. In a device for firing flashlight cartridges, a cylindrical casing, two separate walls subdividing the casing into three partial casings, means for fixing the flashlight cartridge at one end of the said casing, a spring actuated slidable piston arranged in a partial casing near the said fixing means, a firing pin carried by said piston and adapted to fire the said flashlight cartridge when driven upwardly under spring actuation, means to tension the said spring and to keep it under tension and deliberately release it, a spring actuated piston in the partial casing following the said first partial casing, a rod having a connec-

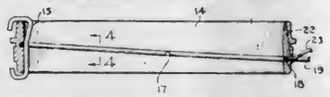
tion between the said two pistons positively influencing the said second piston with expansion of the spring actuating the first piston, a Bowden wire entering with its actuating end into the end of the cylindrical casing, and means to connect the outer shell of the Bowden wire with the said second piston.

2,074,653
WHEEL CHAIR
James Larsen, Plainville, Conn.
Application May 25, 1935, Serial No. 23,488
1 Claim. (Cl. 155—30)



A wheel chair comprising a frame, a back hingedly mounted on the frame, said back having offset longitudinal side edge extensions to provide shoulders intermediate its upper and lower edges, arm rests hingedly connected to said shoulders at the forward side of the back and an adjustable brace for the back hingedly attached at one end to the edge of said shoulder at the rear of said back.

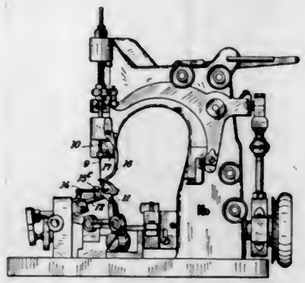
2,074,654
LUBRICATING TWISTER RING
Arthur P. Lewis, Fair Haven, Mass., assignor to Firestone Cotton Mills, New Bedford, Mass., a corporation of Massachusetts
Application June 29, 1935, Serial No. 29,020
2 Claims. (Cl. 118—59.5)



1. A twister ring having a circumferential groove formed in the inner peripheral face thereof, the edges of said groove being rounded at their juncture with said peripheral face of the ring, said groove communicating with a radial duct through the ring, a second duct extending through the ring and terminating at its inner end on the rounded top edge of the ring at a point removed from the bearing line of said top edge but in such close proximity thereto as to be subjected to suction by the passage of a traveler thereover, respective wicks in said groove and ducts, and means for supplying lubricant to said wicks.

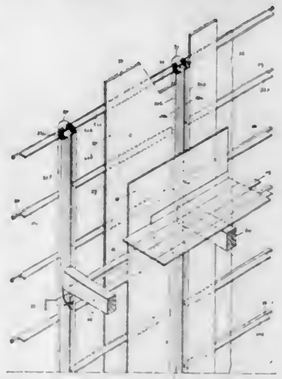
2,074,655
SEWING MACHINE FOR THE MANUFACTURE OF GLOVES
Walter Lindner, Pleissa, near Limbach, Germany, assignor to Firma Johannes Richter A.-G., Limbach, near Chemnitz, Germany
Application March 4, 1932, Serial No. 596,819
In Germany March 11, 1931
5 Claims. (Cl. 112—162)

1. A triple thread overseaming machine particularly for gloves, comprising a throat plate; an arm in the form of a guide finger for the glove; a presser foot; a cloth feeder, said foot and feeder being arranged in close proximity to the free edge of the throat plate and the throat plate having a thorn member; and a stop member mounted on the machine, said throat plate, cloth feeder, thorn member and presser foot having recesses



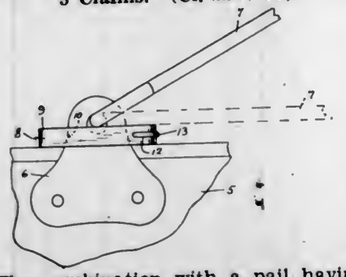
and bevelled edges to provide a working space for the seam forming members enabling them to interlock the threads closely at the outer edge of the throat plate and in close proximity to the needle opening to produce an overedge seam of relatively narrow width at the same time to provide ample space for the manipulation of the glove.

2,074,656
WALL OR ROOF CONSTRUCTION
Fritz Lühl, Herchen/Sieg, Germany
Application August 28, 1935, Serial No. 38,289
In Germany July 3, 1931
5 Claims. (Cl. 289—1)



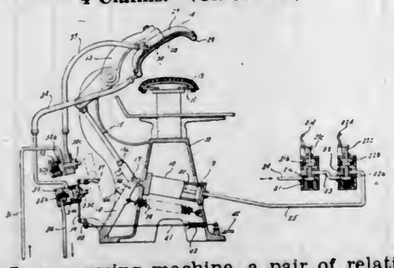
1. A wall or roof construction in which thin-walled plates are firmly clamped by means of screw bolts, so as to be insulated and sealed off, between an inner supporting element and an outer rail which covers the meeting place of the plates, characterized by the feature that the outer covering or supporting rail is convex exteriorly and has a hollow space traversing same which is open underneath and undercut in form, insulating members movably held in said space and bolts passing through said insulating members and the inner supporting element, bridge pieces in said space, having central apertures larger than said bolts, means for fixing the relative position of said bolts and said bridge pieces so that the bolts pass through said bridge pieces without contacting the same.

2,074,657
PAIL ATTACHMENT
John Malcolm MacDonald, Portland, Maine
Application May 13, 1936, Serial No. 79,597
5 Claims. (Cl. 220—85)



1. The combination with a pail having ears near its upper rim and a bail having its ends engaged with said ears, of a silencer comprising a block of resilient material provided for each of the ears, each block being adapted to rest on the rim of the pail and being provided with a slot through which the upper end of an ear extends.

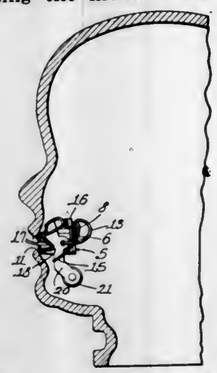
2,074,658
INFLATABLE CHEST FOR PRESSING MACHINES
Clifton S. Malott, Jr., Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application March 28, 1935, Serial No. 13,505
4 Claims. (Cl. 38—35)



1. In a pressing machine, a pair of relatively movable pressing members having coacting pressing surfaces, one of said pressing members comprising a chamber having a wall forming a pressing surface of said member, said wall being a flexible metallic sheet, means for relatively moving said pressing members to place their pressing surfaces in juxtaposition and to hold them there, and means for thereafter supplying a heated pressure fluid to said chamber whereby simultaneously to heat said sheet and to press the same into engagement with the coacting pressing surface.

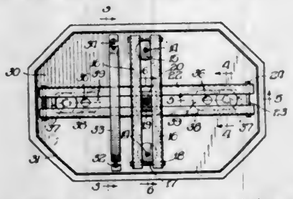
2,074,659
DOLL HEAD CONSTRUCTION
Joseph A. Manning, Pawtucket, R. I.
Application July 18, 1935, Serial No. 32,087
2 Claims. (Cl. 46—171)

1. In a doll head having a mouth opening, a supporting bar constructed of pliable material, a pair of arms formed on the bar, extensions on the outer ends of the arms, a finger between the arms, said arms adapted to be bent to positions overlying the bar, a movable member constructed of pliable material, said movable member having openings, said movable member adapted to be bent transversely, said extensions being extended into the openings of the movable member pivotally mounting the movable member, and said



finger adapted to be bent to a position within the path of travel of the movable member restricting movement of the movable member before the mouth opening.

2,074,660
SUPPORTING STRUCTURE
William J. Masoner, Chicago, Ill.
Application November 7, 1934, Serial No. 751,820
4 Claims. (Cl. 248—323)

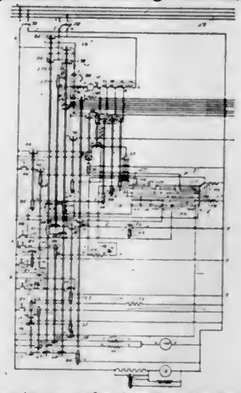


2. Supporting apparatus comprising elongated upper and lower frame members, each frame comprising spaced inwardly facing U-shaped members held in place by spacing connecting members, means adjustably connecting the two members, connecting means having portions slidable between the U-shaped members of the upper frame and having upwardly extending portions for connecting the upper frame to a supporting structure, and supporting means having portions slidable between the U-shaped members of the lower frame and having downwardly extending portions for supporting a device below the lower frame.

2,074,661
CONTROLLER FOR PRINTING PRESSES OR THE LIKE
Harold L. McCleery, Downers Grove, and Allan J. Cline, Chicago, Ill.; said McCleery assignor to said Cline
Continuation of application Serial No. 392,801, September 16, 1929. This application April 25, 1934, Serial No. 722,392
10 Claims. (Cl. 172—179)

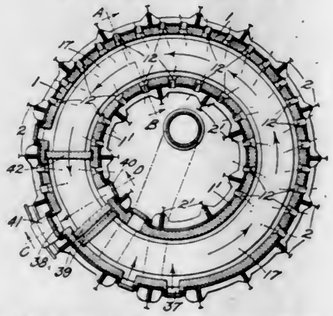
1. In a control system for printing presses or the like, a high voltage circuit for operating speeds, a low voltage circuit for slow speeds, a motor operated on said circuits, contactors for closing said high and low voltage circuits respectively, and means operative upon opening of the high voltage contactor for opposing the incoming

voltage of the low voltage circuit with the counter E. M. F. generated by the motor whereby to prevent closing of the low voltage circuit after opera-



tion of the motor on the high voltage circuit until the counter E. M. F. generated by the motor reduces to substantially the opposing E. M. F. of the low voltage line.

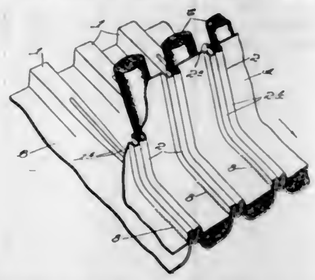
2,074,662
ROTATING HEARTH FURNACE
Gavin Smellie McLay, London, England, assignor to Wellman Seaver Rolling Mill Company, Limited, London, England, a company of Great Britain
Application September 25, 1935, Serial No. 42,104
In Great Britain October 12, 1934
13 Claims. (Cl. 263—7)



1. A rotary hearth furnace, comprising a fixedly supported roof, a side-wall supported separately from the roof, a hearth supported separately from the side-wall with an edge adjacent to the lower edge of the said wall, and means for effecting a relative adjustment as to height between the said lower edge of the side-wall and the said adjacent edge of the hearth without bodily adjustment of the roof or hearth.

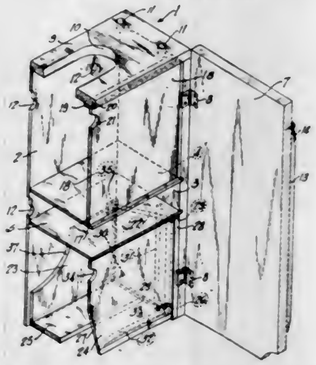
2,074,663
STUFFED PLEATED UPHOLSTERY
Allister S. Mitchell, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Original application April 17, 1935, Serial No. 16,868. Divided and this application February 28, 1936, Serial No. 66,296
4 Claims. (Cl. 155—184)

2. Upholstery comprising a finish-fabric and a lining-fabric united by a seam presenting two welts at one side of the upholstery and a single



welt disposed centrally of the seam at the other side of the upholstery.

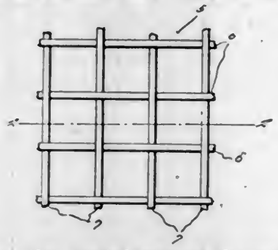
2,074,664
TOWEL CABINET
Lawrence J. Mitchell, Oklahoma City, Okla.
Application June 10, 1935, Serial No. 25,817
1 Claim. (Cl. 312—37)



In a towel dispensing cabinet, a towel supporting container, an open bottomed housing therefor, the bottom of said container being formed of front and rear towel supporting ledges with a delivery space therebetween, the forward supporting ledge being divided into two parts having between them a transversely extending space intersecting the delivery space, and a door for the front of the housing, said door having an opening registering with the transverse space when the door is closed for permitting insertion of a person's fingers for grasping the lowermost towel and accomplishing its removal downwardly through the delivery space, and through the open bottom of said housing.

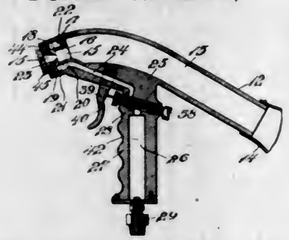
2,074,665
WOVEN WIRE SCREEN
Samuel H. Palmer, Portland, Oreg.
Application August 2, 1934, Serial No. 738,117
5 Claims. (Cl. 245—8)

1. A screen of the class described, comprising two sets of rods, one set being arranged at right angles to the other set, and each rod being composed of a plurality of uniformly curved elongated arches and relatively short and gradually formed shallow crimps connecting the arches together, the arches all curving in one direction and the crimps extending in an opposite direction, each arch of the bar having its central portion located in a crimp of a bar of the other set, the arches in all the bars being on one side of



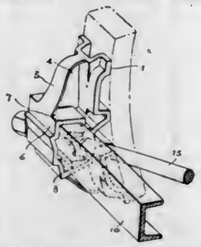
the screen, the protuberances formed by the crimps on the other side of the screen.

2,074,666
CLEANING NOZZLE
Frank Patalano, Providence, R. I.
Application August 27, 1935, Serial No. 38,054
1 Claim. (Cl. 15—15)



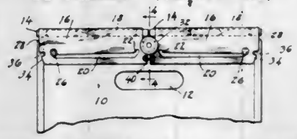
A cleaning nozzle comprising a hollow body having an inlet opening into said body and an exhaust conduit extending from said body, the end of the body including the inlet opening being formed as a removable tip, a conduit extending along both sides of the nozzle at the juncture of the tip and main portion of the body comprising a groove in the body and a groove in the tip, oppositely placed bosses projecting into said inlet opening having apertures connecting with said conduit, said apertures extending in the direction of the exhaust and affording coplanar intersecting jets, and a pressure supply conduit in said body communicating with the groove in said body.

2,074,667
BRAKE SHOE HEAD
Earle W. G. Paterson, Lindsay, Ontario, Canada, assignor of one-half to Robert W. Davis and one-half to George W. Cable, Toronto, Ontario, Canada
Application March 15, 1935, Serial No. 11,198
4 Claims. (Cl. 188—223)



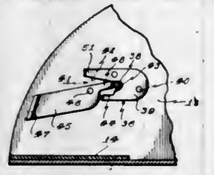
1. In a brake member, the combination with a brake beam and truss rod, of a brake shoe head having a pair of parallelly arranged recesses extending completely therethrough in intersecting relation, and adapted to receive the end of the brake beam in selective positioning contact from either side in either of two positions, and an angularly disposed recess to receive the truss rod.

2,074,668
BOX, CONTAINER, AND THE LIKE
Louis C. Rabaut, Grosse Pointe Park, Mich.
Application April 14, 1934, Serial No. 720,504
14 Claims. (Cl. 217—59)



1. In combination, a box, a cover therefor having flanges depending over opposite ends of the box, said flanges provided with slots, said box ends provided with studs extending through said slots securing the cover to the box while permitting movement thereof from a position of closure over the top of the box to an open position overhanging a side wall of the box, each end of the box provided with a second stud spaced below the first stud and adapted to cooperate with the flange on the cover to releasably lock said cover in position adjacent to the side wall of the box.

2,074,669
DUPLICATING DEVICE
Harvey J. Reardon, Chicago, Ill.
Application July 14, 1936, Serial No. 90,551
4 Claims. (Cl. 242—55)

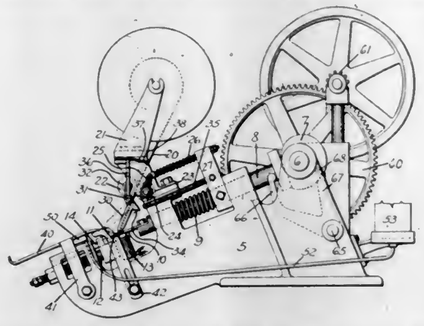


3. In a duplicating machine, a supporting frame including spaced vertically extending side walls, a roller rotatably mounted upon the said supporting frame, and between the said side walls, for moving a gelatin sheet or pad relative to and across said supporting frame, said roller having an end portion or trunnion journaled in one of said side walls, and means for preventing unintentional or accidental displacement of said roller from position of use, said means including a latch keeper plate attached to one of said side walls and having a slot or groove formed therein for the reception of the said end portion or trunnion, and a latch member pivotally mounted between its ends on the said one of said side walls, and having an end portion normally projecting into said slot or groove so as to close the latter, said latch member including a counterbalanced outer end portion or handle normally urging the said inner end portion of the said latch member, by gravity, into position to close the said groove or slot so as to prevent the withdrawal of said end portion or trunnion therethrough.

2,074,670
LACE-TIPPING MACHINE
Harold D. Regar, Reading, Pa.
Application January 16, 1936, Serial No. 59,367
8 Claims. (Cl. 18—1)

1. In combination with a lace-tipping machine comprising an intermittently fed ribbon strip of

tip-forming material, and tip-forming die members cooperatively movable with said fed strip to sever a tip-forming length from the latter, of a relatively fixed guide member having a hinged



extension for the feeding end of said strip, and means to move said guide extension away from said die members after severance of each tip-forming strip length.

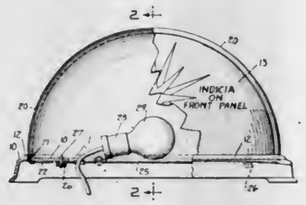
2,074,671

INTERIORLY ILLUMINATED SIGN

Ramsay G. Regester, Philadelphia, Pa., assignor to Gill Glass & Fixture Company, a corporation of Delaware

Application February 12, 1936, Serial No. 63,550

10 Claims. (Cl. 40—132)



1. An interiorly lighted sign comprising, a support, two convex members carried thereby and having their exposed edges meeting along a plane and the edges adjacent the support spaced apart, one member being translucent and having indicia adapted for interior illumination, a light source carried by the support for lighting the inside of the sign, and a single curved strap embracing the exposed edges of both of the convex members to hold them together and having its ends secured to the support.

2,074,672

OIL SEAL

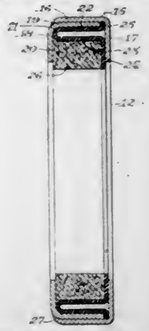
Clifford R. Rogers, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application January 14, 1935, Serial No. 1,599

Renewed June 11, 1936

13 Claims. (Cl. 288—1)

11. A sealing device comprising a casing having a cylindrical wall and spaced radially extending flanges, said casing being formed to provide a recess, an elastic oil impervious sealing element mounted in said casing, said sealing element having a cylindrical wall lying adjacent the cylindrical wall of said casing and being provided with an outwardly extending flange disposed in said recess and an inwardly extending portion adapted to form a liquid barrier, means for securing said flange in said recess, and a sealing



member disposed between said inwardly extending portion and one of the flanges of the casing.

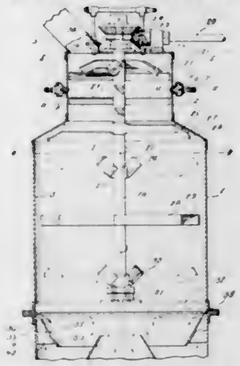
2,074,673

MIXING MACHINE

Augustus J. Sackett, Anne Arundel County, Md.

Application August 10, 1933, Serial No. 684,475

13 Claims. (Cl. 259—8)



1. The method of mixing gaseous and vaporous reagents and comminuted solid materials which consists in feeding the materials continuously to the locus of mixing which is completely enclosed but provided with a feed and discharge passage, the feed passage being at the top and the locus of mixing and the discharge passage at the bottom, so that the solid materials move downwardly due to gravity, maintaining the solid material in comminuted form in suspension in an atmosphere of the reagent and circulating the solid in contact with the reagent, and imparting an upward motion to the solid particles at certain points in said locus the general tendency of the particles being downward to the point of delivery, thus maintaining the comminuted particles in circulation in contact with the reagent for a period largely in excess of the period required to project the solid particles from the point of feeding to the point of delivery in the absence of such circulation and maintaining a continuous delivery of the mixed materials from the locus of mixing.

2,074,674

DISPENSING DEVICE FOR SLENDER ARTICLES

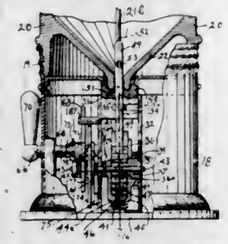
Harry Sadjian, Philadelphia, Pa.

Application March 5, 1934, Serial No. 714,032

7 Claims. (Cl. 312—78)

6. In a dispensing device adapted to hold articles vertically positioned within a magazine

member thereof, which has a hopper bottom and a hole at the apex of said bottom, elevating means for said articles, including a winding drum, means for turning said drum, a flexible elastic ribbon wound partly upon said drum, and having a part of said ribbon extending from said drum, a guide for that part of said ribbon which extends from said drum, for guiding said rib-



bon into said hole, said ribbon being adapted to normally assume a transversely curved formation after leaving said drum, whereby it takes on a self-straightened and self-stiffening alignment, to support and propel upward, one of said articles, gravitating down said hopper bottom to said hole and becoming mounted upon the upturned end of said ribbon, as said ribbon is caused to unwind from said drum.

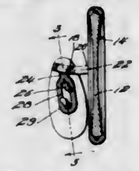
2,074,675

NOSE PAD FOR OPHTHALMIC MOUNTINGS

Nathaniel Sandberg, Attleboro, Mass.

Application February 15, 1935, Serial No. 6,701

14 Claims. (Cl. 88—48)



1. A substantially flat ophthalmic nose pad constructed of composition material having an anchor member comprising gold plated resilient wire bent into a loop embedded in said nose pad and having the resilient ends of said wire projecting outwardly from said nose pad from a side of said loop and adapted to project through substantially vertically aligned elongated hole means in an enlarged flat nose bar head, projecting substantially vertically and substantially parallel to the side of the nose, on the rear end of a nose bar having a front end adapted to be secured to the inner edge of means for holding a lens in position before an eye and projecting rearwardly from said means and then vertically, said wire ends terminating in downwardly disposed loops forming barbs projecting in opposite directions obliquely outwardly to overlap the side portions of said nose bar head to secure said nose pad thereto said ends being bendable to bring said barbs in substantially vertical alignment for insertion through said vertically aligned elongated hole means.

2,074,676

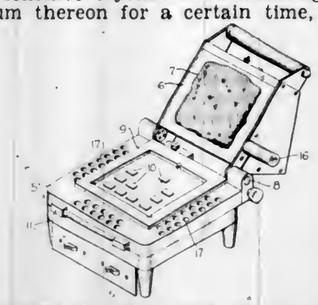
LIGHT-SENSITIVE CELL MANUFACTURE

Cyril S. Treacy, Scarsdale, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware

Application March 6, 1935, Serial No. 9,584

11 Claims. (Cl. 201—63)

1. The method of obtaining a fine grain opaque coating of selenium on separated electrodes which comprises maintaining said electrodes at an elevated temperature favorable for the formation of photo-sensitive crystals while directing vapor of selenium thereon for a certain time, removing



the material thus deposited on said electrodes, and thereafter maintaining said electrodes at said elevated temperature, while directing vapor of selenium thereon for a shorter time.

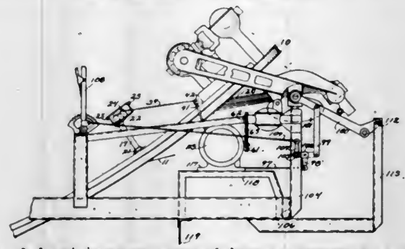
2,074,677

FRUIT OR VEGETABLE TOPPER

William E. Urschel, Valparaiso, Ind.

Application January 16, 1933, Serial No. 651,948

22 Claims. (Cl. 146—85)



1. A beet topper comprising a conveyor, a cutting means movable relatively to said conveyor, means for moving said cutting means, indexing means in the path of beets in said conveyor for controlling the position of said cutting means, and means for delaying the change in position of said cutting means until subsequent to the discharge of beets from said conveyor after their engagement with the indexing means in the path of the conveyor.

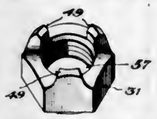
2,074,678

MEANS AND METHOD FOR MAKING NUTS

Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut

Application January 8, 1932, Serial No. 585,526

22 Claims. (Cl. 10—86)



1. The method of forming nuts of the castellated type, which includes first shaping a substantially cylindrical cold blank so that one face thereof is domed shape at spaced intervals and embryo castles project axially outwardly in the spaces therebetween and thereafter by separate tools applying pressure to said domed surfaces while in a confining area of predetermined configuration, whereby said domed surfaces will be flattened and the pressure applied thereto will cause the metal

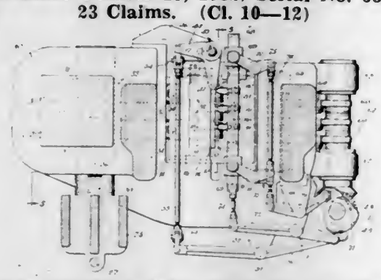
in the blank to flow outwardly to form the finished exterior of the nut and the embryo castles to be extended in height.

2,074,679

OPEN DIE UPSETTING MACHINE

Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut

Application October 19, 1932, Serial No. 638,653
23 Claims. (Cl. 10—12)



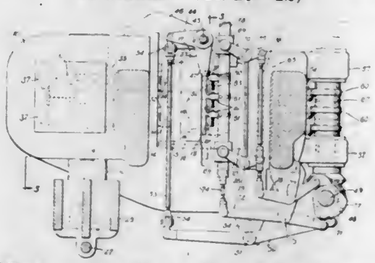
1. In a machine of the character described; a gate; fixed open dies; a fixed cut-off die; a die holder; open dies corresponding in number with the fixed dies secured in the die holder; means for imparting movement to the die holder, whereby the faces of the dies in the die holder are moved into contact with the faces of the fixed dies and away therefrom by an intermittent movement and during such into contact movement one of the dies in the die holder will cross the face of the cut-off die and sever a portion of a rod projecting therethrough, such severed portion then becoming a blank; means for partially ejecting the blanks from the dies after the movable dies have released their pressure upon the blanks, and whereby a portion of the blanks will be in front of the dies; means operating between the gate and dies for grasping that portion of the blanks in front of the dies and successively transferring them from one set of fixed and movable dies to the next succeeding set of fixed and movable dies and then returning for another series of blanks, a portion of each of the blanks, during such transfer, travelling in the open space between the said dies when separated; and punches carried by the gate co-operating with said dies for operations on said blanks when held in said dies.

2,074,680

UPSETTING MACHINE

Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut

Application May 7, 1936, Serial No. 78,363
21 Claims. (Cl. 10—12)



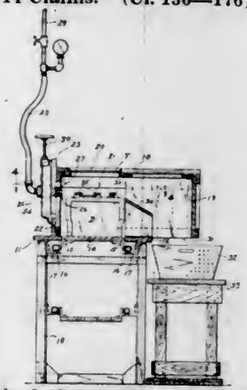
1. The combination with relatively movable upsetting dies having a plurality of die stages, of feeding rollers adapted to feed bar or rod stock endwise to said dies, means whereby said stock is cut off to form work pieces, transfer fingers adapted to grip a work piece when said dies are in their closed position and to transfer said work piece from one to another of said die stages when said dies are in their open position, and an ejector adapted to eject said work piece from said last mentioned die stage.

2,074,681

METHOD AND APPARATUS FOR REMOVING CHARGING PLUGS FROM BATTERIES

Arthur O. Codney, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland Ohio, a corporation of West Virginia

Application April 1, 1935, Serial No. 14,089
14 Claims. (Cl. 136—176)



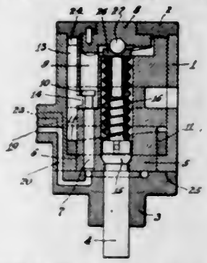
13. A method of removing charging plugs from a series of batteries, which comprises subjecting the tops of the batteries to the action of a stream of compressed air arranged at such an elevation and directed at such an angle as to lift the plugs out of the vent openings and blow them off of the batteries, and moving the air stream and the series of batteries relatively to each other for exposing new batteries progressively to the action of the air stream.

2,074,682

FORMATION OF FILAMENTS OF ARTIFICIAL SILK AND THE LIKE

Robert de Stoutz, Zurich, Switzerland

Application January 23, 1936, Serial No. 60,400
In Switzerland February 2, 1935
2 Claims. (Cl. 103—162)



1. In an apparatus of the character described, the combination of a working head having a suction channel connected to the source of supply and a pressure channel, a cylinder block having a plurality of cylinders and pistons, the working head and the cylinder block having relative movement the one with respect to the other and each cylinder being arranged for communication alternately with the suction channel and the pressure channel, and suction and pressure cams co-operating with the pistons to effect the working strokes of the pistons, the normal pressure stroke of each piston for delivery to the pressure channel beginning at normal level with a minimum pressure stroke velocity and the suction cam having a maximum lift and the pressure cam maximum drop beyond said normal level while the cylinders are in communication with the suction channel.

2,074,683

FLARE

Louis L. Driggs, Jr., Tippecanoe City, Ohio

Application June 4, 1934, Serial No. 728,830
10 Claims. (Cl. 102—24)



7. In a flare, a hermetically sealed tube, means for expelling the flare and a parachute connected thereto from the tube and simultaneously rupturing the hermetical seal, means to ignite the flare after it leaves the tube and clears the plane by travelling a predetermined distance from the plane, explosive means within the tube adapted to drive the flare and its parachute from the tube, thrust means protecting the parachute interposed between the hermetical seal of the tube and the flare, means mechanically connecting said flare to the tube adapted to initiate the ignition of the flare only after the flare has left the tube, and a delay action fuse ignited by said ignition means adapted to ignite the flare after it has left a plane to which the tube is attached an appreciable interval.

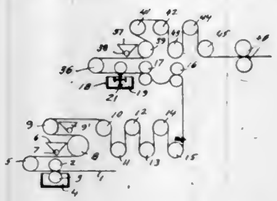
2,074,684

PROCESS OF MAKING THICK BUTT SHINGLES

Clarence R. Eckert, Englewood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey

Application November 25, 1931, Serial No. 577,193
6 Claims. (Cl. 91—68)

1. A process of making thick butt shingles which comprises coating substantially the entire surface of an unslotted flexible base with waterproofing material, applying an additional coating of waterproofing material to the coated base, said additional coating being applied in spaced transverse bands, each band consisting of spaced areas simulating individual shingles, separated by portions of the first-mentioned coating left uncovered by said additional coating, and cutting the base transversely to form thick butt shingles.

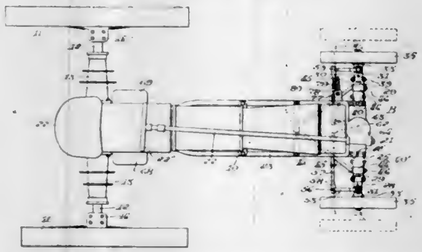


2,074,685

SUBSTITUTE FRONT TRUCK FOR TRACTORS

Gustaf W. Engstrom, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application February 11, 1935, Serial No. 5,975
13 Claims. (Cl. 180—1)



3. The combination with a tractor having a frame and a vertical bolster shaft for steering said tractor, of a wide axle type steering truck comprising means for securing said steering truck to said tractor frame having a forward and rear supporting bracket secured to said tractor frame, an axle having steering knuckles pivotally mounted thereon, wheels rotatably attached to said steering knuckles, the aforesaid axle pivotally connected to said forward supporting bracket for allowing said axle to oscillate in a vertical plane, means secured to said axle and pivoted to said rear supporting bracket for bracing said axle and permitting it to oscillate, tie rod means for aligning said wheels, and means connecting said vertical bolster shaft on said tractor to one of the aforesaid steering knuckles for steering said tractor.

2,074,686

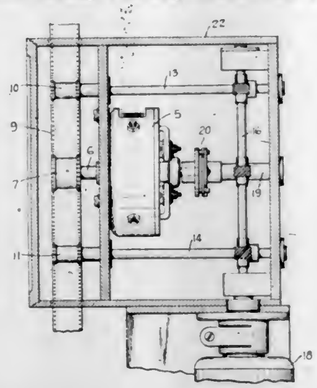
PLURAL MOTOR INTERLOCK SYSTEM

Clair L. Farrand, Larchmont, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware

Application April 18, 1935, Serial No. 17,098
7 Claims. (Cl. 271—2.3)

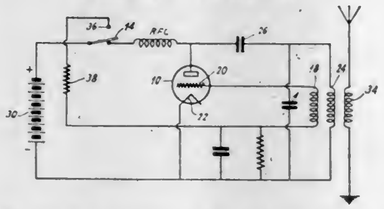
1. In a system for obtaining constant linear velocity of a record carrier, the combination of a plurality of rotating means for progressing said record carrier between two points, a synchronous motor for driving certain of said plurality of means, said plurality being subjected to variations in load, a second synchronous motor directly connected to a certain one of said rotating means, and means interconnecting said motors for permitting said motors to run independently of one

another when in synchronism and to be positively connected during running conditions when the



differential variation in speed reaches a predetermined amount.

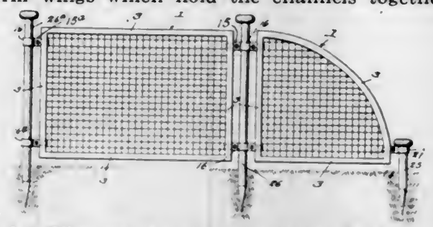
2,074,687
KEYING
Helmut Feussner, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 28, 1935, Serial No. 56,499
In Germany November 6, 1934
3 Claims. (Cl. 250—17)



1. In an arrangement for maintaining a constant load on a thermionic device having a plurality of electrodes including an anode and a cathode connected in high frequency circuits, a source of direct current potential having one terminal connected to said cathode, a key, and a contact cooperating with said key in signalling position for connecting a point on said source of potential to said anode to key said tube, an additional electrode in said tube, and a second contact cooperating with said key for connecting a point on said source to said additional electrode in said tube when said key is in non-signalling position to produce a flow of current to said additional electrode when the potential is removed from said anode.

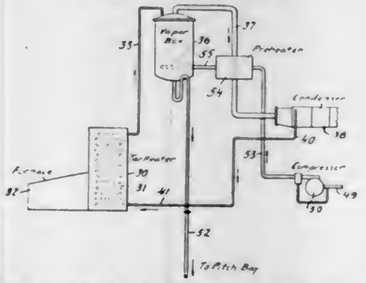
2,074,688
PORTABLE FENCE
J. Don Friend, Paterson, N. J.
Application January 4, 1936, Serial No. 57,617
2 Claims. (Cl. 256—73)

1. A panel for a portable fence, comprising a frame comprising inner and outer channels, each including a body and side flanges, the flanges of the inner channel extending in a direction opposite to the flanges of the outer channel and being received between the flanges of the outer channel, the flanges of the outer channel being overlapped on the body of the inner channel to form wings which hold the channels together,



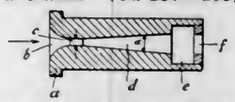
and a filler connected to the body of the inner channel, between the wings of the outer channel.

2,074,689
COMBINED INERT GAS RECIRCULATION AND TAR HEATER OPERATION
George Thomas Gambrill, Jr., Birmingham, Ala., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application November 30, 1928, Serial No. 322,843
2 Claims. (Cl. 196—76)



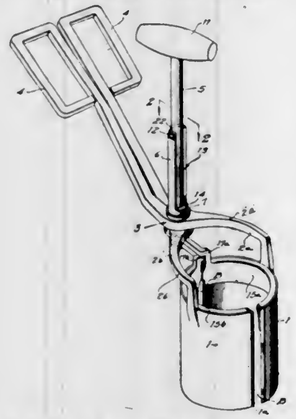
1. The method of distilling coal tar which comprises heating the tar while avoiding separation of the vapor therefrom, then releasing the vapor thus forming a pitch residue, and simultaneously blowing the pitch residue with an inert gas preheated to a temperature approximating that of the pitch, withdrawing the vapor and inert gas, cooling the mixture to separate condensable constituents, reheating the inert gas by heat exchange with the mixture of inert gas and vapors, and returning it for further contact with additional portions of the pitch residue.

2,074,690
STEAM TRAP
Gustav Friedrich Gerdts, Bremen, Germany
Application January 10, 1934, Serial No. 706,106
In Germany January 14, 1933
1 Claim. (Cl. 137—103)



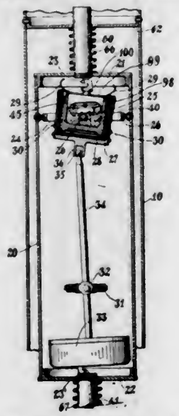
A steam trap for condensate having a nozzle comprising a relatively short funnel-shaped inlet section, a long gradually flaring main section in which the pressure of the condensate is increased, a comparatively short section of reduced cross section, one end of which merges into the inlet section and the other end merges into the main section, an outlet with a flow passage cross sectional area about equal to that of the largest cross sectional area of the flaring section, and an enlarged cylindrical section between the main section and the outlet having a diameter greater than that of either the adjacent end of the main section or the outlet; said enlarged cylindrical section forming a whirl chamber for the condensate, and said reduced short section being adapted to produce a partial vacuum by flow of the condensate therethrough.

2,074,691
GARDENING TOOL OR THE LIKE
John K. Gilkerson, Glendale, Calif.
Application July 31, 1936, Serial No. 93,634
14 Claims. (Cl. 55—68)



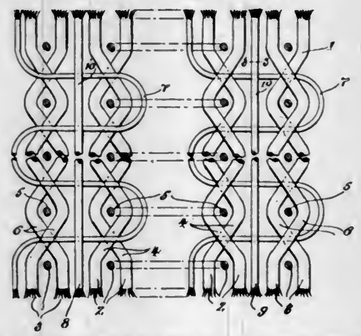
1. A gardening tool which comprises two cooperating blade members adapted for insertion into the ground along a substantially vertical line; support members secured to said blade members and extending laterally to one side thereof, said support members being pivotally intersecured and adapted for pivotal movement about an axis adjacent to and extending substantially parallel to said vertical line and said support members extending laterally beyond said point of pivotal attachment in an upwardly inclined direction and terminating in handle means adapted for manual engagement; and an operating member extending vertically upwardly from said point of pivotal attachment and terminating in a handle member adapted for manual engagement.

2,074,692
DEVIATION FINDER
Bernard Granville, Brooklyn, N. Y.
Application June 15, 1932, Serial No. 617,302
Renewed August 8, 1936
6 Claims. (Cl. 33—205.4)



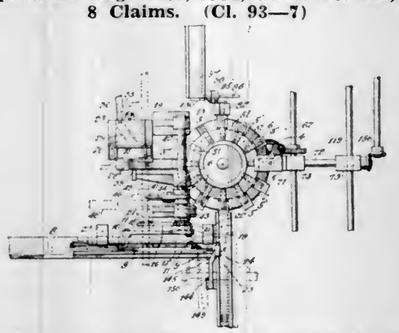
1. In a device for testing a drilling operation to determine deviation of the bore, a barrel mounted for coaxial arrangement in the bore, a pendulum universally mounted in the barrel, a container for solidifiable fluid, said container being universally mounted in the barrel, and said pendulum and container being so connected that movement of said barrel relative to the pendulum is amplified in transmission to said container.

2,074,693
WICK
James E. Hooper, Ruxton, Md., assignor to William E. Hooper & Sons Company, Baltimore, Md., a corporation of Maryland
Application August 14, 1936, Serial No. 95,991
2 Claims. (Cl. 139—388)



1. A tubular wick having an inner layer and an outer layer each composed of longitudinal warp yarns and transverse weft, the warp and weft being interwoven, binder threads securing the inner and outer layers to each other and an intermediate layer between the inner and outer layers comprising yarns extending each longitudinally of the wick, the yarns composing said intermediate layer being substantially straight and free of any transverse binding by the weft whereby the liquid is conducted freely by capillarity on a substantially straight path longitudinally of the wick.

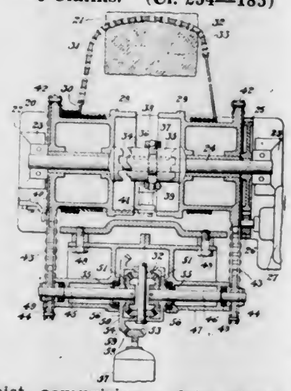
2,074,694
MACHINE FOR MAKING MATCH BOOKS
William C. Huguley, Oak Tree, N. J., assignor of one-fourth to E. F. Baerenrodt, Essex Falls, N. J.
Application August 23, 1934, Serial No. 741,057
8 Claims. (Cl. 93—7)



1. In a machine for making match books, a rotating horizontal table, means on said table for receiving and retaining match book covers, a magazine for holding a plurality of covers in a flat condition, an arcuate chute adjacent said

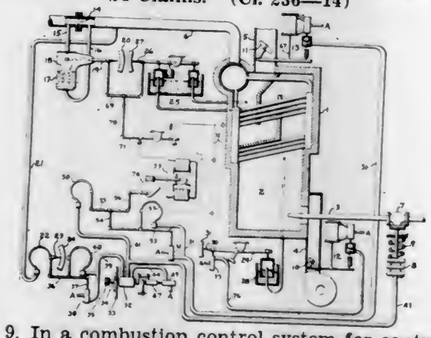
magazine and having an arcuate slot extending the length thereof, pneumatic means for placing a cover over one end of the chute, a member movable in said slot, said member engaging a cover intermediate the length thereof to fold the cover and move the cover through the chute into the receiving and retaining means on the table, and shoulders on the chute at the discharge end thereof to engage and prevent the cover from following said member after the cover has been deposited on the table.

2,074,695
HOIST
Francis A. Jimerson, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application October 10, 1934, Serial No. 747,703
6 Claims. (Cl. 254—185)



1. A hoist, comprising a drive shaft, a pair of drums, means for connecting the drums alternately to the drive shaft, a cable having its ends connected to the drums to be wound thereon, a differential gear train, driving connections between the drums and the driving gears of the train, and a motor connected to the ring gear of the train and having a direction of power rotation opposed to the direction of pull of the ring gear.

2,074,696
CONTROL SYSTEM
Clarence Johnson, Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application February 24, 1933, Serial No. 658,376
24 Claims. (Cl. 236—14)



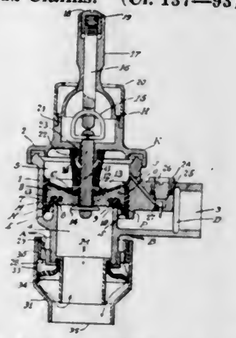
9. In a combustion control system for controlling the rate of supply of the elements of combustion to the furnace of a vapor-generator, in combination, means sensitive to the pressure of the vapor generated, means under the control of said means for establishing a first fluid pressure in accordance with the pressure of the vapor generated, a regulator for one of the elements of combustion positioned in accordance with the first fluid pressure, means for determining the ratio between the rate of vapor outflow and the rate of supply of an element of combustion, means for establishing a second fluid pressure in accordance with the magnitude of the first fluid pressure and said ratio, and a regulator for another of the elements of combustion positioned in accordance with the second fluid pressure.

2,074,697
FOOTWEAR
John Neville Kimpton, Newport, Monmouthshire, Wales
Application May 2, 1936, Serial No. 77,461
In Great Britain April 25, 1935
3 Claims. (Cl. 36—1)



1. A boot or other article of footwear embodying therein a strip of material looped substantially centrally thereof and secured adjacent the top of the upper of the boot, a resilient core within the looped portion of said strip to form a pendant outwardly projecting ridge adjacent the top of the upper exteriorly thereof and adapted to co-operate with a constricting member adjacent the bottom of a trouser leg, whereby separation of the trouser leg from the boot top is prevented, and a barrier is formed preventing the passage of snow or other material between the trouser leg and the boot.

2,074,698
FLUSH VALVE UNIT
Jesse D. Langdon, Los Angeles, Calif.
Application September 22, 1931, Serial No. 564,340
12 Claims. (Cl. 137—93)



1. For use with a combination manual non-syphonic valve, a non-syphonic unit comprising a circumferential air inlet surrounded by an external air inlet tube, including means to allow air to enter around the outlet end of said valve, and positive check valve means to prevent the egress of water through said circumferential inlet.

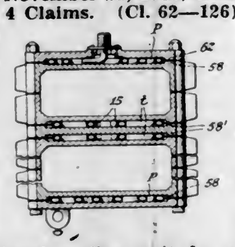
2,074,699
FLOTATION PROCESS
Samuel Lenher, Joseph Lincoln Gillson, and Charles Titus Mentzer, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 2, 1934, Serial No. 728,676
9 Claims. (Cl. 209—166)

1. A process for the froth flotation of ores which comprises frothing a suspension of ore in the presence of a flotation agent having the following general formula:

R—X—Y

wherein R represents a radical containing a hydrocarbon group of at least 8 carbon atoms, X represents a sulfonic acid or sulfuric acid group, and Y represents the residue of an organic amine.

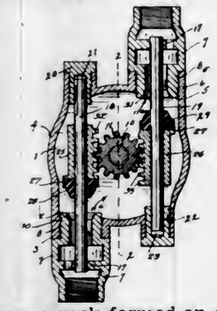
2,074,700
COOLING UNIT FOR REFRIGERATION PURPOSES
Alexander S. Limpert, Bay Shore, N. Y., assignor to Mechana Kold Corporation, Bay Shore, N. Y., a corporation of New York
Application November 21, 1932, Serial No. 643,695
4 Claims. (Cl. 62—126)



4. A sectional cooling unit for automatic refrigerating apparatus, having a sharp cooling chamber therein, the bottom of said cooling chamber being formed hollow and in sections, a refrigerant coil interposed between opposing sections of said bottom and having extended direct physical contact with the opposing sections thereof and said sharp cooling chamber having its vertical side walls out of extended direct contact with said refrigerant coils, but being indirectly metallically connected therewith, whereby intense rapid cooling of cube trays positioned in said sharp cooling chamber can be effected without causing the mean temperature of the air in the compartment of a refrigerator in which the unit is mounted to fall below the optimum operating temperature desired therein.

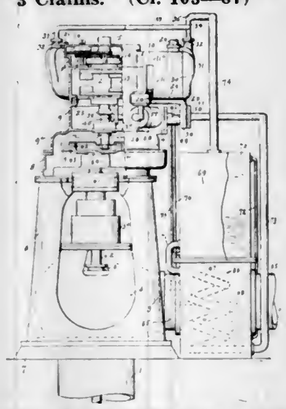
2,074,701
BALL CHECK VALVE
Edward H. Lohmolder, Salt Lake City, Utah
Application May 20, 1932, Serial No. 612,525
2 Claims. (Cl. 277—33)

1. In a silent valve of the class described, the combination of a casing having inlet and outlet fittings leading thereinto from opposite sides of the casing and leading in opposite directions from each other; a transverse shaft passed through said casing with one end extending out one side of said casing; an inlet valve on one side and an outlet valve on the opposite side of said casing spaced apart with the axes parallel and on opposite sides of said shaft and with the valve faces set in opposite directions with respect to each other; a valve seat formed at the juncture of each fitting with the casing and facing in opposite directions with respect to each other; a valve stem carried in each fitting, each of said stems carrying a valve to close each seat simultaneously in opposite directions with respect



to each other; a rack formed on each valve stem extending on the side toward the transverse shaft; a pinion on said transverse shaft to mesh with said racks on the valve stems; means to rotate said shaft to mesh with said racks on the valve stem; means to rotate said shaft to open or close both of the valves simultaneously so that the involved fluid pressure in the casing will act upon the closing outlet valve at the same time it is acting upon the inlet valve to thereby prevent water and vibration noises.

2,074,702
POWER UNIT
John W. MacClatchie, Los Angeles, Calif.
Application August 19, 1933, Serial No. 685,931
3 Claims. (Cl. 103—87)



1. In combination, a well casing, a vertical drive shaft for a rotary well pump projecting above the well casing, a support overlying the projecting end of the pump shaft, an internal combustion engine including an engine case mounted on the support with the crank shaft of the engine on a vertical axis and laterally offset relative to the pump shaft, a flexible coupling in the projecting end of the pump shaft, the upper end of the pump shaft which extends above the flexible coupling being journaled in the engine case, the crank shaft of the engine depending alongside

said upper end of the pump shaft whereby said shafts are parallel, a driving connection between the parallel shafts comprising a gear on the crank shaft meshing with a gear on the pump shaft, a coil submerged in the flow from the well casing, a water jacket for the internal combustion engine, a circulating system including the water jacket and the coil, a pump for the circulating system mounted on the internal combustion engine, and a driving connection between the crank shaft of the engine and the last-mentioned pump.

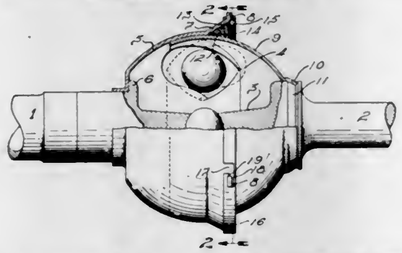
2,074,703

CASING FOR UNIVERSAL JOINTS

Victor E. Nelson, Pontiac, Mich.

Application September 15, 1934, Serial No. 744,223

5 Claims. (Cl. 64—32)



1. A casing for a universal coupling between two shaft parts comprising a pair of semi-spherical sheet metal members each attached to one of the shaft parts and extending toward the other part to beyond the center plane of the coupling, one of the said semi-spherical parts being nested within the other in a ball and socket relationship and being open ended whereby the shaft parts may assume angular relationship within the limits of the diameter of the open ends, the outer of said members having an outwardly extended flange, a packing ring of triangular construction, one face of which engages the outer surface of the inner semi-spherical member and another face engaging the said flange of the outer member, a flat metal ring engaging the third face of the ring, a metal retainer element carried by the flange of the outer member, and spring means between said element and the metal ring.

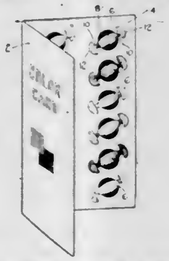
2,074,704

COLOR CARD

Glenn E. Osborne, Maplewood, N. J.

Application September 2, 1933, Serial No. 687,924

2 Claims. (Cl. 88—14)



1. A color card comprising a neutral or white card, a plurality of differently colored skeins of yarn mounted thereon, each skein of yarn being drawn inwardly at spaced points, and a circular disc of black on the card beneath the middle portion of the skein and exposed on either side of the skein, whereby the color cast may be observed against the black background at the middle of the skein and may be observed against the neutral or white background at the ends of the skein.

2,074,705

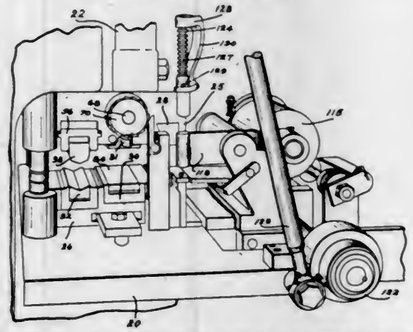
METHOD AND DEVICE FOR FORMING PAPER

Lora E. Poole, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 11, 1934, Serial No. 720,008

Renewed February 15, 1937

15 Claims. (Cl. 93—1)



1. A device for forming loosely connected strips from a supply of sheet material, each strip having a pre-assigned number of identically shaped sections comprising, in combination, means for intermittently feeding the supply material a distance substantially equal to the length of a strip section; means for forming each fed strip section into the required shape; and means operative upon a predetermined number of operations of the section forming means for partially severing the last section of a strip from the supply material before said section is formed into the required shape.

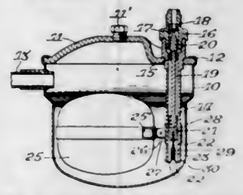
2,074,706

VALVE ASSEMBLY

Axel E. Ramclow, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application March 13, 1936, Serial No. 68,592

2 Claims. (Cl. 137—68)



1. In a float controlled valve assembly including a float chamber and in combination therewith a cylindrical valve housing extending from the top of the float chamber vertically into the chamber and terminated above the bottom thereof, a float hinged to said housing near the lower end thereof, valve actuating elements carried by the float and extending adjacent the housing, a valve actuating member pivoted to said elements on a horizontal axis, said member having a depending U-shaped center portion, a valve assembly mounted for vertical movement in said housing, spring members carried by the lower end of said assembly, said members being disengageably connected to the center portion of the valve actuating member, a removable fitting secured to the top of the valve housing, a valve seat provided in said fitting and a needle valve carried by the valve assembly at the upper end and positioned to cooperate with said valve seat.

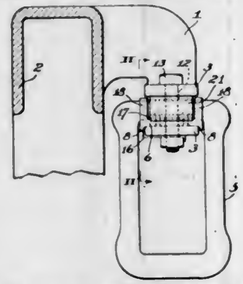
2,074,707

WEAR PLATE ASSEMBLY

Frederic Schaefer, Pittsburgh, Pa.

Application April 7, 1936, Serial No. 73,071

13 Claims. (Cl. 188—209)



1. The combination with a brake hanger bracket connected to a railway truck frame and having upper and lower walls forming a slot open on three sides, of a wearing shoe mounted in said slot with its inner portion provided with a brake hanger seat, separate resilient means associated with said bracket and biasing said shoe against said lower wall of the bracket, and means for retaining said shoe in said bracket.

2,074,708

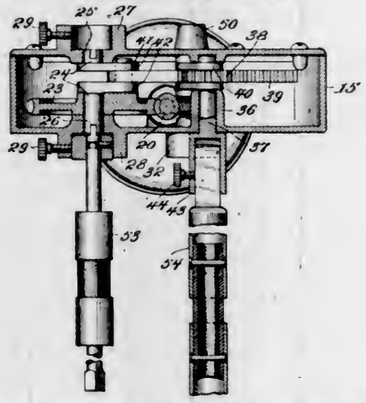
MOTOR DRIVEN MIXER

Lucius Neal Smith, Atlanta, Ga., assignor of one-half to C. R. Medley, Columbus, Ga.

Application February 27, 1934, Serial No. 713,223

Renewed September 28, 1935

2 Claims. (Cl. 74—75)



1. A machine of the character described comprising a housing supported for vertical swinging movement, a feed screw shaft journaled in said housing and having a coupling end exposed exteriorly of the housing, a motor mounted with the housing and having driving connection with said feed screw shaft, rotatable couplings exposed exteriorly of the housing at opposite sides thereof and arranged at opposite sides of the screw shaft, driven connections between the screw shaft and certain of said last-named couplings, a rack bar, a gear engaging the screw shaft, a crank operated by the gear and having connection with the rack bar, and a rack gear operating another of said last-named couplings and engaged with said rack bar for alternate rotation of said coupling.

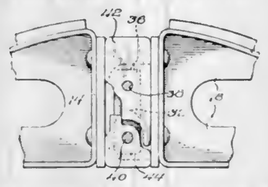
2,074,709

BRAKE

Albert Cooper Starr, Nephi, Utah, assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois

Application March 21, 1928, Serial No. 263,244

17 Claims. (Cl. 188—78)



1. A brake cam device comprising, in combination, a shaft, a head turned by said shaft, and a pair of interengaging thrust members independently eccentrically pivoted on said head at different distances from the shaft axis.

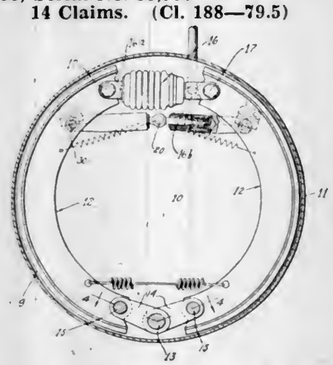
2,074,710

BRAKE

John W. Tatter, Akron, Ohio, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Refile of abandoned application Serial No. 452,388, May 14, 1930. This application June 19, 1936, Serial No. 86,067

14 Claims. (Cl. 188—79.5)



1. In a brake, the combination of a brake drum means, a brake shoe means arranged to have a predetermined clearance with respect to said brake drum means, means movably supporting one end of said brake shoe means and permitting radial movement of same relative to said brake drum means, brake shoe actuating means engaged with the other end of said brake shoe means, an automatically operated clearance take up device associated with said brake shoe means, said device comprising a pair of pivotally mounted members separated by a plurality of ball members, and means cooperating with said brake shoe supporting means for maintaining the concentric relation between the brake shoe and brake drum means for approximately all degrees of adjustment.

2,074,711
BRAKE
Cecil H. Taylor, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Original application February 28, 1929, Serial No. 343,270, now Patent No. 1,999,217, April 30, 1935. Divided and this application February 11, 1935, Serial No. 5,927
2 Claims. (Cl. 308—2)



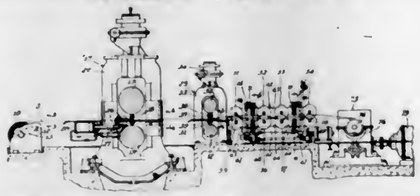
1. Brake operating connections comprising aligned bearing members having respective knife-edge contacts with a supported shaft in line with each other and which shaft is provided with a crooked portion at an intermediate bearing, the aforementioned shaft characterized by being provided with relatively shallow recesses to accommodate said bearing members.

2,074,712
METHOD OF MAKING WELDING RODS
Ernest E. Tross, Youngstown, Ohio, assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 19, 1935, Serial No. 7,194
7 Claims. (Cl. 29—160.4)



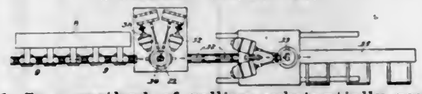
1. The method of making articles out of rim steel which comprises rolling a steel ingot lengthwise into a relatively thin flat strip or platelike blank, slitting from the side edges of said blank the portions thereof which comprise rim steel only and forming the portion slit from said edges into the articles desired.

2,074,713
MEANS AND METHOD OF MAKING WIRE AND THE LIKE
Ernest E. Tross, Youngstown, Ohio, assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 19, 1935, Serial No. 45,773
20 Claims. (Cl. 29—33)



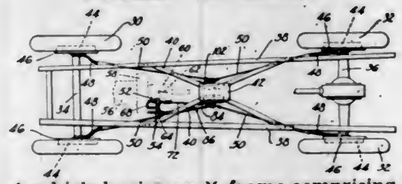
1. Apparatus for making wire or rod from metal in sheet form comprising a 4-high mill, means for supplying sheet metal to the mill under tension, work-engaging rolls in the mill for forming parallel opposed grooves on each side of the sheet spaced apart substantially the width of the wires to be formed, means for separating the sheet at the grooves to form a plurality of wire-like elements polygonal in cross section, means for rounding one half of the circumference of each element, other means spaced longitudinally of the elements from the first-named rounding means for rounding the other half of the circumference of each element, and means for pulling and coiling the elements under tension.

2,074,714
METHOD OF SIZING ROUND BARS, WIRE, TUBES, AND THE LIKE
Petter B. Abramsen, Dormont, Pa., assignor of one-half to Gustaf L. Fisk, Pittsburgh, Pa.
Application August 25, 1934, Serial No. 741,411
2 Claims. (Cl. 80—60)



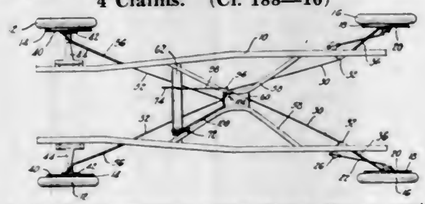
1. In a method of rolling substantially round material, the steps consisting in hot rolling bar stock approximately to size, then sizing the stock by a cold pass between cross rolls acting along a spiral whose length is more than four times its diameter, and thereafter straightening the sized stock by a cold pass between cross rolls acting along a spiral whose length is about equal to its diameter.

2,074,715
BRAKE
Harold G. Axtmann, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 25, 1934, Serial No. 708,171
8 Claims. (Cl. 188—10)



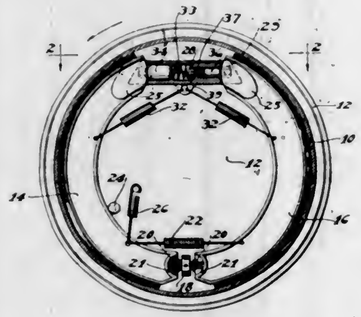
7. A vehicle having an X-frame comprising side members connected to inclined members secured together in the center of the frame and which has a support carried by the inclined members where they are secured together, vertical brake-operating levers mounted on coaxial pivots on opposite sides of the support, rigid connecting means between said levers below the support and below the inclined members, a pedal connected to the levers above said support, and an emergency lever connected to the levers below the support.

2,074,716
BRAKE
Harold G. Axtmann, Dearborn, Mich., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application August 1, 1935, Serial No. 34,235
4 Claims. (Cl. 188—10)



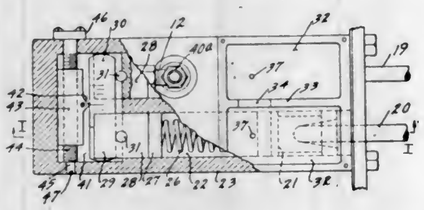
1. Brake-operating connections for a system including two front and two rear brakes comprising a horizontal lever having a fulcrum adjacent its center, a hand lever connected to one end, a pedal connected to the other end, connections to the two rear brakes between the fulcrum and the connection at one end of the lever, and connections to the two front brakes between the fulcrum and the connection at the other end of the lever.

2,074,717
BRAKE
Vincent Bendix, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application March 13, 1931, Serial No. 522,220
15 Claims. (Cl. 188—152)



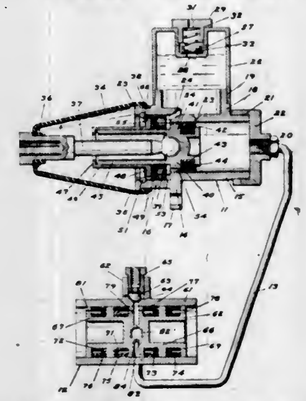
7. A brake comprising in combination a drum, a floating friction element within the drum having separable ends and arranged to anchor at one end when the drum is turning in a forward direction and to anchor at the other end when the drum is turning in a rearward direction, a cylinder adjacent to said ends, two pistons in the cylinder acting respectively on said ends, one of which has a greater diameter than the other and acts upon the end of the friction element which anchors when the drum is turning in a rearward direction.

2,074,718
DIFFERENTIAL FLUID PRESSURE CONTROL SYSTEM
Robert S. Bohannan, Birmingham, Ala.
Application May 8, 1935, Serial No. 20,338
13 Claims. (Cl. 188—152)



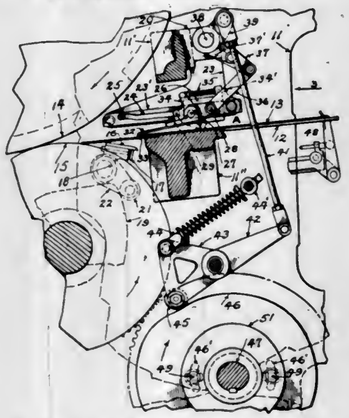
4. Means for controlling the distribution of the available braking effort to front and rear wheel brakes, comprising a fluid pressure operating system for each set of brakes, a common control means actuated by the fluid pressure in both systems and acting on the fluid pressure in each system to make a fixed percentage of available braking effort effective for each set of brakes, and means to vary the fixed percentages.

2,074,719
BRAKE
Eugene G. Carroll, Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 13, 1932, Serial No. 605,083
Renewed September 3, 1935
4 Claims. (Cl. 60—54.6)



1. In a hydraulic brake system a master cylinder having a forwardly extending portion of relatively small diameter and a rearwardly extending portion of relatively large diameter; a fixed head in said rearwardly extending portion formed with ports and provided with an inwardly opening cup valve; a movable plunger in said forwardly extending portion; means for reciprocating said plunger for increasing the size of the compartment formed between said head and said plunger; and a reservoir associated with said master cylinder, having a port connecting the reservoir with said compartment, and having a spring loaded valve opening to the atmosphere.

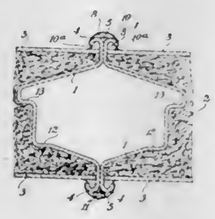
2,074,720
SHEET FEEDING MECHANISM FOR PRINTING MACHINES
William K. Eckhard, Dunellen, N. J., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application March 15, 1933, Serial No. 660,812
10 Claims. (Cl. 271—54)



1. In a sheet registering mechanism for a machine having cylinders adapted to print on rela-

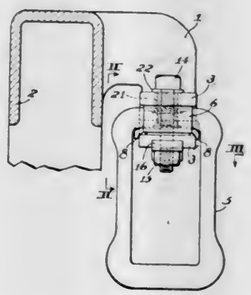
tively stiff material, means engaging the sheet on its trailing edge to urge it forward, a plurality of reciprocating abutments adapted to simultaneously engage the forward edge of the sheet and hold it parallel with the axes of the cylinders, and means for regulating the operation of the abutments so that they may engage with and be disengaged from the forward edge of the sheet at various predetermined times.

2,074,721
BUILDING ELEMENT
Konrad Erdmann, Radenthein, Carinthia, Austria
Application August 5, 1933, Serial No. 683,778
In Germany August 8, 1932
9 Claims. (Cl. 72—16)



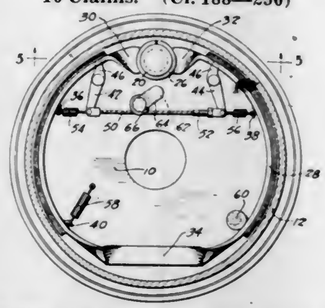
4. In a wall, panels of insulating material bordered by a peripheral steel frame and covered with a plaster, the said steel frame having a flange presenting an edge spaced from the plaster surface, the panels being disposed in edge to edge relation and welded together at the said edge spaced from the plaster surface.

2,074,722
WEAR PLATE ASSEMBLY
Willard J. Fendner, Pittsburgh, Pa., assignor to Frederic Schaefer, Pittsburgh, Pa.
Application April 4, 1936, Serial No. 72,755
6 Claims. (Cl. 188—209)



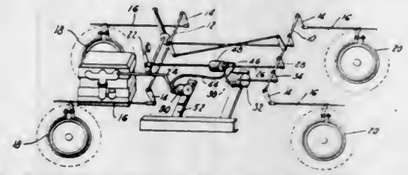
1. The combination with a brake hanger bracket connected to a railway truck frame and having upper and lower walls forming a slot open on three sides, of a wearing shoe mounted in said slot with its inner portion provided with a brake hanger seat, a coil spring associated with said bracket and constraining said shoe against said lower wall of the bracket, and means for retaining said shoe in said bracket.

2,074,723
BRAKE
Owen H. Fowler, South Bend., Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application April 29, 1931, Serial No. 533,737
10 Claims. (Cl. 188—250)



1. A friction element comprising a single band having one part of its length flexible and provided with a friction surface and another part of its length folded to provide a rigid web.

2,074,724
BRAKE MECHANISM
David L. Gallup, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application May 26, 1931, Serial No. 540,103
28 Claims. (Cl. 188—181)

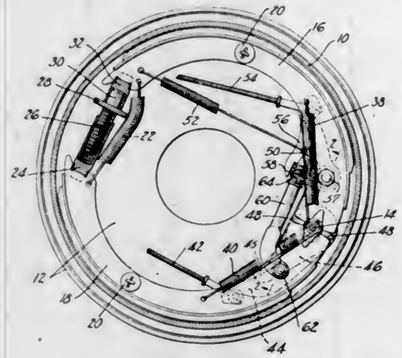


2. A braking system for an automotive vehicle comprising, in combination with a brake structure, a servo motor for operating said brake structure, valve mechanism for controlling said motor, a manually operable member connected to a part of said valve mechanism, other parts of said valve mechanism being connected by linkage with the aforementioned brake structure whereby said valve mechanism functions as a tension element in the connection between said manually operable member and the brake structure after the relative movement between said valve parts is effected to actuate the valve structure, together with means for automatically cutting off the operation of said motor while maintaining predetermined power thereof as a function of the degree of deceleration of the vehicle, said means comprising a valve.

2,074,725
BRAKE
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application December 6, 1935, Serial No. 53,192
14 Claims. (Cl. 188—106)

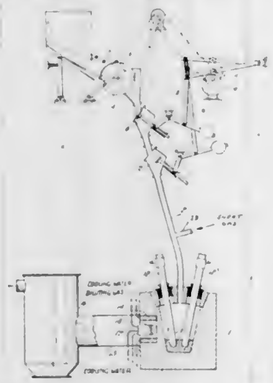
1. A shiftable-anchorage brake comprising a backing plate having mounted thereon friction means having separable ends and carrying an anchorage adjacent said ends and taking the torque of said friction means, two floating levers

acting independently of each other on said ends and both of which are mounted to shift with said ends when one or the other of them anchors on said anchorage, one of said levers being arranged in the space between the backing plate and the friction means above the anchorage and the



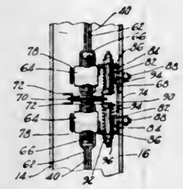
other being arranged in the space between the backing plate and the friction means below the anchorage, means at the upper part of the brake for rocking said one of said levers to apply the brake, and means at the lower part of the brake for rocking said other of said levers to apply the brake.

2,074,726
PROCESS FOR THE PRODUCTION OF METALS BY SMELTING COMPOUNDS THEREOF
Fritz Hansgirg, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
Application January 2, 1935, Serial No. 33
In Austria July 27, 1934
3 Claims. (Cl. 75—10)



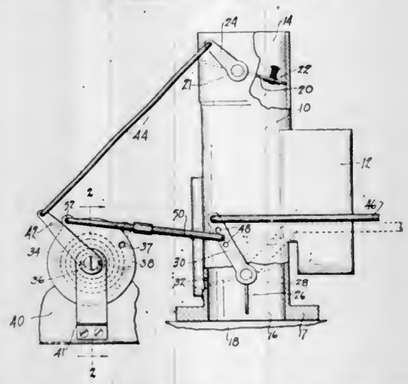
1. A process for the production of magnesium, which comprises forming into detached uniformly small compacted bodies a mixture of a reducible magnesium compound and of a solid reducing agent in an amount sufficient for effecting reduction of the magnesium compound without the use of a co-operative gaseous reducing agent, causing said detached bodies to drop one by one at regular intervals on to a body of non-metallic resistance material loosely heaped on the bottom of a closed electric furnace and directly heated to above the boiling point of magnesium, to liberate and vaporize the magnesium content of each detached body so suddenly as to avoid any substantial accumulation of the charge in the reduction chamber without the charge substantially participating in the carrying of the current; thereafter passing the evolved magnesium vapor into a condenser and cooling it to condensation point.

2,074,727
BRAKE
George H. Hunt, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 16, 1933, Serial No. 689,728
7 Claims. (Cl. 188—79.5)



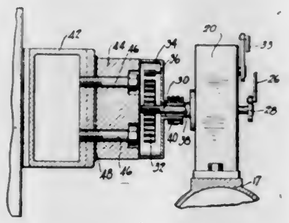
1. A brake having a pair of floating shoes having a floating connection including a threaded adjusting member extending along a chord of the brake across the space between the shoe ends, a plurality of stamped disks secured to the center of the adjusting member and the two outside ones of which have their peripheral portions offset away from each other to permit access to the rim of the center disk by an adjusting tool, and centering means acting on said offset peripheral portions.

2,074,728
CARBURETOR
Scott F. Hunt, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 22, 1932, Serial No. 648,496
9 Claims. (Cl. 123—119)



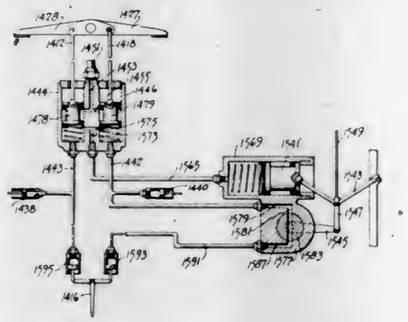
1. The combination with a plain tube internal combustion engine carburetor having a throttle and an air pressure actuated choke valve designed to become inoperative at normal operating temperatures, of temperature responsive means tensioned to bias the choke valve closed, and means associated with the throttle and temperature responsive means for increasing the force exerted on said valve by said temperature responsive means as the throttle is opened.

2,074,729
CARBURETOR
Scott F. Hunt, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 16, 1933, Serial No. 652,047
4 Claims. (Cl. 123—119)



1. The combination with an internal combustion engine equipped with an exhaust pipe, a carburetor having an induction passage, a choke valve mounted in the induction passage, thermostatic means urging the choke valve toward closed position when cold, means comprising a relatively thick metallic block positioned between the exhaust pipe and the thermostat and a heat absorbing gasket between the exhaust pipe and the block to retard the flow of heat to and from the thermostat, said means having one surface adapted to partially enclose the thermostat, and a casing cooperating with said surface to completely enclose the thermostat to prevent the escape of fluid from the space surrounding the thermostat.

2,074,730
BRAKE
Henry H. Kerr, Jr., South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 31, 1933, Serial No. 687,571
15 Claims. (Cl. 244—86)

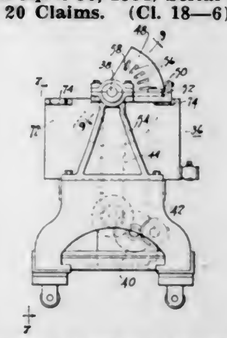


6. In a hydraulic pressure creating device for airplane brakes for an airplane, in combination means for developing hydraulic pressure comprising a pair of master cylinders, and a pair of pistons in said cylinders, a by-pass connecting said cylinders, connections for operating said pistons in opposite directions, separate means for developing substantially equal increased pressures in said cylinders, and means actuated by the operation of one or more of said pressure developing means for controlling said by-pass.

2,074,731
BITUMINOUS EMULSION AND METHOD OF PREPARING THE SAME
Claude L. McKesson, San Francisco, Calif., assignor to American Bitumuls Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 18, 1936, Serial No. 64,473
21 Claims. (Cl. 134—1)

1. A bituminous emulsion of the oil-in-water type comprising a preformed quick-breaking emulsion stabilized with water miscible blood, the pH of said emulsion being greater than approximately 9.0 and less than that at which the preformed emulsion is rendered unsatisfactory by high alkalinity.

2,074,732
MANUFACTURE OF BRAKE LINING
Nils W. Nelson, Troy, N. Y., assignor to Marshall Asbestos Corporation, Troy, N. Y., a corporation of Delaware
Application April 30, 1934, Serial No. 723,037
20 Claims. (Cl. 18—6)



1. That method of making formed brake lining which comprises extruding a strip of lining, winding the strip on a spool with metal between the successive convolutions, applying pressure radially to the spool and the strip wound thereon to prevent any increase of thickness while curing, curing said strip by heating to a vulcanizing temperature, cutting the strip into lengths, forming said lengths by rolling to size and shape while still retaining sufficient heat from the curing step to be plastic, and setting said lengths by cooling them while still held so formed.

8. That method of making formed brake lining which comprises heating and curing the lining, forming a piece of lining progressively from one end to the other under pressure while hot enough to be plastic, and cooling it progressively from one end to the other to set it while it is still held under the forming pressure.

2,074,733
SCREEN SHAKING MECHANISM
Donald C. Porter, San Diego, Calif.
Application April 11, 1934, Serial No. 720,051
2 Claims. (Cl. 209—330)

1. A screen shaking mechanism comprising, a screen supporting table, oscillatable means for supporting said table at a slight incline and arranged to impart a major movement endwise and a minor movement vertically, said oscillatable means adapted to impart a greater vertical movement to the lower end than to the upper end of the table, hinge means connecting the upper end of the table relative to the oscillatable means, and a jar imparting device including a stop connecting the lower end of the

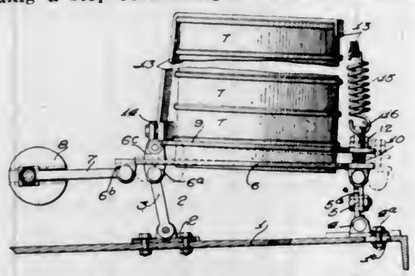
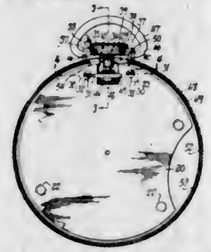


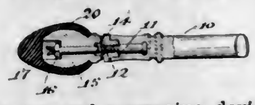
table with said oscillatable means, and a yieldable means interposed between the table and oscillatable means.

2,074,734
WATCH
James R. Putnam, Waterbury, Conn., assignor to Waterbury Clock Company, Waterbury, Conn., a corporation of Connecticut
Application September 27, 1935, Serial No. 42,402
2 Claims. (Cl. 58—95)



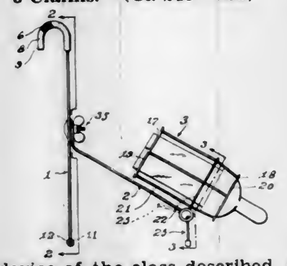
2. A watch structure including in combination: a movement-unit comprising a pair of parallel spaced-apart movement-plates, a pendant-head having a portion extending between the said movement-plates and a portion extending outwardly beyond the perimeter thereof and provided with ring-carrying means, the inner portion of the said pendant-head extending between and attached to both of the said movement-plates and serving to hold the latter in spaced relationship, and a pendant-ring carried by the ring-carrying means of the said pendant-head; and casing-means applied over the said movement-unit and including a front-case member and a back-case member, each having an offsetting flange telescopically engaging with the flange of the other case-member.

2,074,735
APPLICATOR AND MASSAGING DEVICE
John Puttcamp, La Jolla, Calif.
Application September 16, 1935, Serial No. 40,739
1 Claim. (Cl. 128—67)



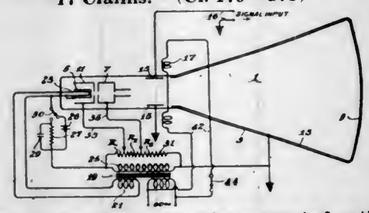
An applicator and massaging device comprising a handle, a spindle mounted on the outer end of said handle, and in axial alinement therewith said spindle having a screw threaded inner end, a freely rotatable applicator head mounted on the outer end of said spindle, and a threaded nut mounted on the threaded inner end of the spindle for engaging the inner end of said applicator head to hold the same against rotation.

2,074,736
BOTTLE HOLDER
Hal S. Whitten, Oklahoma City, Okla.
Application January 20, 1936, Serial No. 59,975
3 Claims. (Cl. 248—103)



3. In a device of the class described, a vertical support provided with bent over portions at the top forming a gooseneck, a sloping arm slidably attached to said support, a basket for holding a nursing bottle, a split ring in frictional engagement with the basket, a triangular shaped leg, the lower end of said arm and ring and the upper end of said leg each provided with eyes registering with each other, and a bolt provided with a wing nut for tightening together all of said eyes.

2,074,737
CATHODE RAY MODULATION INDICATOR
Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1933, Serial No. 678,208
17 Claims. (Cl. 179—171)



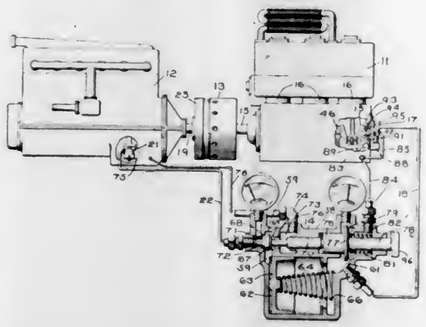
1. In combination, a highly evacuated cathode-ray tube having a cathode, an anode and a control electrode, a current path between said cathode and anode, means for applying an alternating voltage to said anode means for biasing said control electrode, and means for applying an alternating voltage to said control electrode to normally block said current path and to unblock said path when the instantaneous value of said voltage becomes greater than a predetermined positive value.

12. A modulation indicator constituted by a cathode-ray tube having means for deflecting said cathode ray, a fluorescent screen, said screen including one portion which is responsive to deflections of said cathode-ray when deflected by a modulating voltage below a certain value, and two other portions, one on each side of said one portion, which are responsive to deflections of said cathode-ray when deflected by a modulating voltage above said certain value, said one portion fluorescing in one color and said two portions fluorescing in a color differing from the color of the one portion.

2,074,738
CONTROL FOR COMPRESSORS AND THE LIKE

Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application July 30, 1932, Serial No. 626,504
Renewed August 6, 1935
45 Claims. (Cl. 230—15)



1. The combination with a motor, a pump for circulating a fluid lubricant actuated thereby, a compressor, a pump for circulating a fluid lubricant actuated by the compressor and a fluid actuated clutch for releasably connecting said motor to said compressor, of means for supplying lubricant under pressure from said pump actuated by said compressor to said clutch for maintaining said clutch in connecting position, means for subjecting said lubricant acting on said clutch to pressure of the lubricant circulated by said pump actuated by said motor, and manually operable means for controlling the last said means.

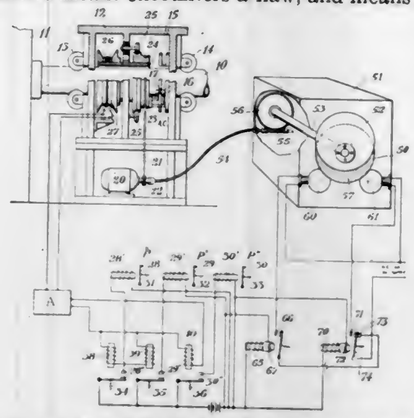
20. The combination with a driving member, a driven member and a fluid actuated clutch for releasably connecting the driving member to said driven member, said clutch being normally in release position and adapted to be actuated to connecting position when the fluid acting thereon is subjected to pressure, of means actuated by the driven member for subjecting said fluid acting on said clutch to pressure for maintaining said clutch in connecting position while the driven member is being driven.

2,074,739
INDICATING DEVICE FOR FLAW DETECTOR MECHANISM

Fred D. Braddon, Babylon, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application July 18, 1935, Serial No. 31,969
5 Claims. (Cl. 177—311)

1. In a flaw detector mechanism for tubular conductors, flaw-responsive means, means for causing said flaw-responsive means to travel around the periphery of the conductor under test, an indicator comprising a light-transmitting circular disc, a source of light and an opaque circular disc cooperating with said first disc, one of said discs being rotatably and eccentrically mounted with respect to the other of said discs on a shaft concentric with said stationary discs so that successive portions adjacent the periphery of said light-transmitting disc are uncovered as the rotatable disc rotates, means whereby said light source is rendered effective when said flaw-responsive means encounters a flaw, and means for

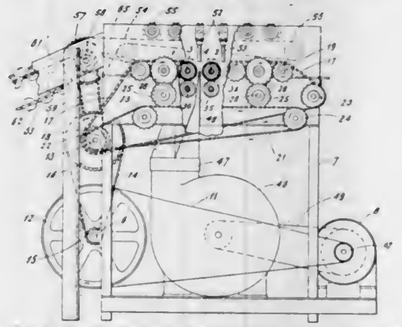


rotating said rotatable disc in synchronism with said flaw-responsive means.

2,074,740
FRUIT DRIER

Frank W. Cutler and Asa B. Cutler, Portland, Oreg., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application March 12, 1934, Serial No. 715,057
3 Claims. (Cl. 34—12)



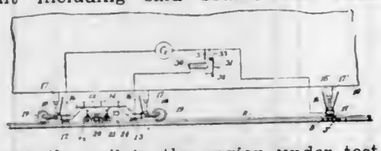
1. In a fruit drying apparatus, a series of absorbent surfaced fruit supporting rolls arranged in adjacent parallel relation transversely of the path of fruit passing thereover, and mounted for rotation about fixed axes, means for rotating said rolls in a common direction, means for imparting endwise reciprocation to certain of said rolls to change the rotative axes of pieces of fruit passing thereover, a wringer roller disposed beneath each fruit supporting roll and in operative engagement therewith to express moisture therefrom, means for supporting those wringer rollers which engage the reciprocating fruit supporting rolls for reciprocating in unison therewith, and means for restraining movement of the wringer rollers about the axes of the fruit supporting rolls.

2,074,741
RAIL FLAW DETECTOR MECHANISM

Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application March 9, 1935, Serial No. 10,143
7 Claims. (Cl. 175—183)

1. In a rail flaw detector car, a source of electrical energy, means for establishing a circuit from said source through the rail, flaw responsive means cooperating with the energized portion of the rail, a normally ineffective auxiliary circuit including said source and extending

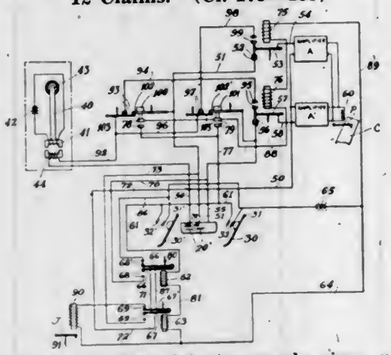


through the rail in the region under test, and means whereby said auxiliary circuit is rendered effective when the current in said first circuit drops to a predetermined degree.

2,074,742
RAIL FLAW DETECTOR MECHANISM

Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application June 26, 1936, Serial No. 87,411
12 Claims. (Cl. 175—183)



1. In a rail flaw detector mechanism, means adapted to generate impulses in response to flaws, an amplifier for amplifying said impulses, indicating means actuated by said amplified impulses, means for preventing impulses generated by said responsive means from being impressed on said amplifier while said responsive means is passing over rail joints, means for generating an impulse of predetermined magnitude, and means whereby said last-named impulse is impressed on said amplifier while said responsive means is passing over rail joints.

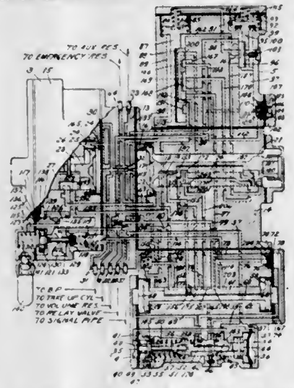
12. The method of testing rails in track which consists in passing a flaw responsive mechanism over the rails to generate impulses in the region of flaw, amplifying said impulses by a plurality of amplifiers, preventing impulses generated by said mechanism from being impressed on the amplifiers while said mechanism is passing over a rail joint, generating a plurality of impulses of predetermined magnitude, and impressing said last-named impulses on the amplifiers while said mechanism is passing over rail joints.

2,074,743
FLUID PRESSURE BRAKE

Clyde C. Farmer, Pittsburgh, and Ellis E. Hewitt, Edgewood, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 5, 1936, Serial No. 94,372
38 Claims. (Cl. 303—23)

1. In a fluid pressure brake equipment adapted to be conditioned to function for different classes of train service, in combination, a change-over valve mechanism for selectively conditioning the equipment for any one of said classes of train service, said mechanism having a plurality of change-over positions and being operative by fluid under pressure within a certain range of pressures to one of the change-over positions, means for loading the mechanism in said position to prevent the mechanism from moving to another of the change-over positions unless the pressure for actuating the mechanism is in excess of the maximum pressure of said range of pressures, said means being normally maintained in its loading position by fluid under pressure, and means operative when the mechanism is being moved to said other position to reduce the pressure of fluid acting on said means to effect the operation of said means to unload the mechanism.

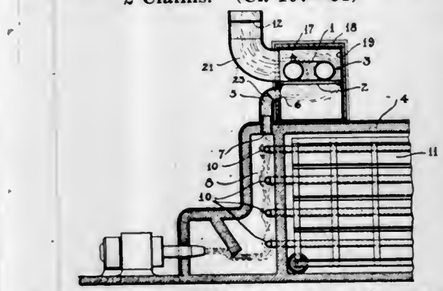


36. In a fluid pressure brake, in combination, a brake pipe, a communication through which fluid under pressure is adapted to be supplied to effect either a service or an emergency application of the brakes, a passage through which fluid under pressure is adapted to be supplied to said communication, a volume reservoir in open communication with said passage, a choke interposed in said passage intermediate said reservoir and communication, a passage by-passing said choke and through which fluid under pressure is adapted to be supplied to said communication, and a brake controlling valve device operated upon a service reduction in brake pipe pressure for supplying fluid under pressure to the choked passage and operated upon an emergency reduction in brake pipe pressure for supplying fluid under pressure to both of said passages.

2,074,744
BAKERY EQUIPMENT

Louis P. Faucher, North Grosvenor Dale, Conn.

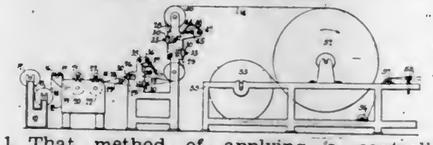
Application January 21, 1933, Serial No. 652,867
2 Claims. (Cl. 107—64)



1. A portable liquid heating device for use with

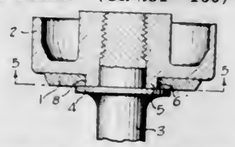
a plurality of adjacent aligned bake ovens each having separate aligned compartments containing separate heaters for heating the heat conducting units of each respective oven and each having a ceiling portion formed with a plurality of openings, comprising a heat storage chamber adapted to be positioned across the outer walls of the tops of the bake ovens and above the heater compartments, a liquid containing tank supported internally of the heat storage chamber by rod-like supports and being sealed in said chamber and conveyable therewith as a separate unit independent of the bake ovens.

2,074,745
METHOD AND MEANS FOR TREATING YARN
Ira L. Griffin, Charlotte, N. C.
Application August 24, 1936, Serial No. 97,661
20 Claims. (Cl. 28—28)



1. That method of applying a controlled amount of treating lubricant to a sheet of yarn which comprises passing the sheet of yarn through a sizing box and then applying a controlled amount of the lubricant to the yarn before the yarn is dried.

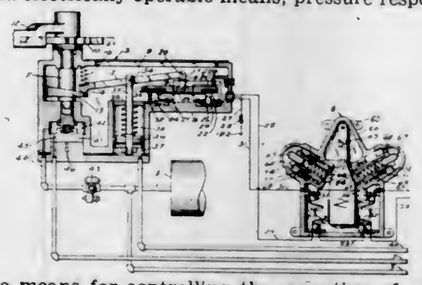
2,074,746
VALVE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 5, 1934, Serial No. 724,080
1 Claim. (Cl. 251—160)



The combination with a member having a clamping face, a projection extending outwardly from the clamping face, a compressible gasket mounted on said projection and clamped against said clamping face, and a member operative to clamp said gasket to the first mentioned member, said gasket having an opening for the reception of said projection, portions of the opening defining edge of the gasket being in the form of spaced lugs which engage the peripheral surface of the projection and the remaining portions of said edge being spaced away from said peripheral surface to provide a space for the accommodation of the gasket material which is displaced as the gasket is clamped to the first mentioned member.

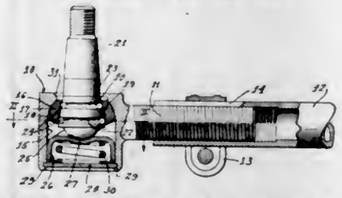
2,074,747
FLUID PRESSURE BRAKE EQUIPMENT
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 23, 1934, Serial No. 741,064
21 Claims. (Cl. 303—24)

1. In a fluid pressure brake for vehicles, the combination with a brake cylinder, of valve means operative to open communication through which fluid under pressure is supplied to the brake cylinder, and valve means operative to open communication through which fluid under pressure is released from the brake cylinder, electrically operable means for controlling said valve means to effect the application and release of the brakes, manual means for controlling the operation of said electrically operable means, pressure respon-



sive means for controlling the operation of said electrically operable means in accordance with the degree of application of the brakes, and inertia controlled means having contact members connected in circuit between said manually operable means and said electrically operable means for interrupting the energization of said electrically operable means.

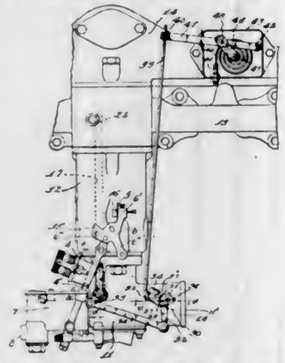
2,074,748
JOINT
George H. Hufferd and Matthew P. Graham, Detroit, Mich., assignors to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio
Application February 26, 1934, Serial No. 712,904
4 Claims. (Cl. 287—90)



1. A joint comprising a stud having a frusto-conical bearing portion and a segmental spherical end, a housing having an inner segmental spherical bearing surface, a seat member disposed between said stud and housing having an outer segmental spherical bearing surface engaging the bearing surface of said housing and an inner frusto-conical bearing surface spaced from said stud, anti-friction bearing means between said stud and said seat member, a movable member slidably mounted in the housing having a depressed segmental spherical portion for receiving the end of said stud, spring means urging said movable member against said stud end and a retaining cover for said spring means secured in said housing.

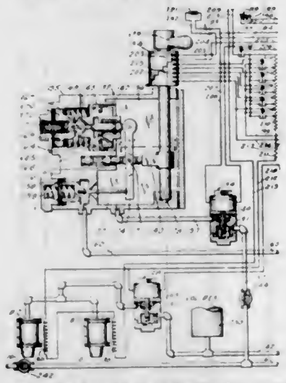
2,074,749
CARBURETOR
Charles H. Kirby, Flint, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application March 18, 1933, Serial No. 661,435
4 Claims. (Cl. 261—39)

1. In combination with a carburetor for an internal combustion engine, including a choke valve and a throttle valve for said carburetor, a bypass passage around said throttle valve location, the discharge end of said passage being subjected to the suction above the throttle while the inlet end of said passage is so positioned relative to the carburetor fuel delivery nozzles as to pick up a rich fuel and air mixture therefrom, a valve controlling said bypass passage, operating linkage connecting said valve to the choke valve



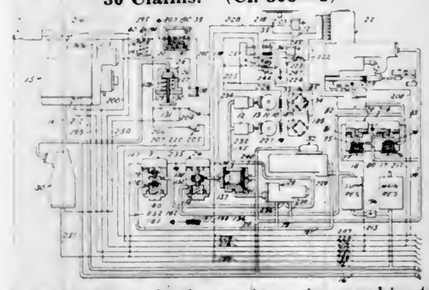
to open said valve when the choke valve is closed, thermostatic means responsive to temperature variation and operating linkage from said thermostatic means to said choke valve, the thermostatic means being arranged to close said choke valve and thereby open said bypass valve at low temperatures and to open said choke valve at normal operating temperatures.

2,074,750
TRAIN BRAKE APPARATUS
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 5, 1935, Serial No. 24,995
28 Claims. (Cl. 303—3)



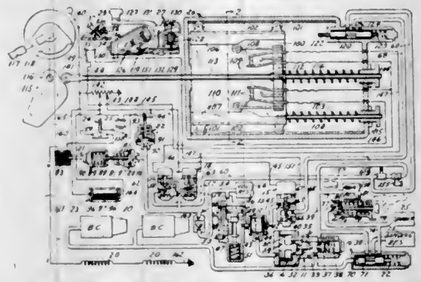
1. In a vehicle brake system, in combination, an electric brake means for producing a braking effect on the vehicle, a fluid pressure brake means for also producing a braking effect on the vehicle, means for effecting an application of the electric brake means to a chosen degree, means for simultaneously effecting an application of the fluid pressure brake means, means governed by the rate of retardation of the vehicle for limiting the degree of application of the fluid pressure brake means, and means for controlling said last means according to the degree of application of the electric brake means.

2,074,751
BRAKING SYSTEM
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 19, 1935, Serial No. 32,145
30 Claims. (Cl. 303—3)



1. In a train brake system, in combination, fluid pressure brake means and electric brake means associated with each car in the train, a pipe adapted to extend throughout the train, control means on the head end car having a manually operated element for controlling the supply of fluid under pressure to and its release from said pipe on the head end car according to the degree of movement of said element, electro-responsive valve means on one or more cars throughout the train for controlling the supply of fluid under pressure to and its release from said pipe in synchronism with said control means and also according to the degree of movement of said element, and means for controlling applications of said fluid pressure brake means and said electric brake means according to the pressure of fluid in said pipe.

2,074,752
BRAKE CONTROL EQUIPMENT
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 7, 1936, Serial No. 62,750
34 Claims. (Cl. 303—24)



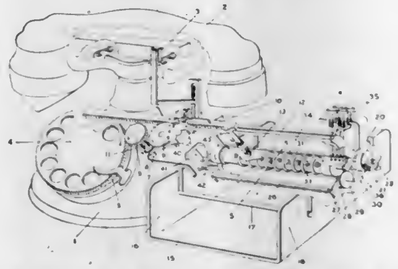
1. In a vehicle brake system, in combination, fluid pressure brake means, electric brake means, a pipe to which fluid under pressure is supplied in effecting an application of the brakes, means responsive to the pressure of fluid in said pipe for effecting and controlling the degree of operation of said electric brake means, and means for preventing application of said fluid pressure brake means until said electric brake means has been applied to a maximum degree at a chosen fluid pressure in said pipe and for then effecting application of said fluid pressure brake means to a degree proportional to the further increase of fluid pressure in said pipe above said chosen pressure.

2,074,753
GAUGE
John McClain, Chicago, Ill.
Application December 15, 1933, Serial No. 702,547
8 Claims. (Cl. 177—311)



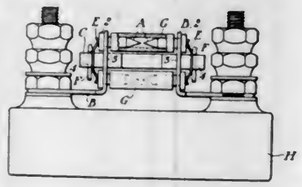
1. A gauge comprising a head, an insulating ring carried by said head, a plurality of plungers slidable substantially radially through said insulating ring, yieldable means urging said plungers radially in one direction, a plurality of clips mounted on said ring, each of said clips having two radially spaced contact elements located adjacent to the path of movement of one of said plungers, contact means on each of said plungers adapted to engage said contact elements of the adjacent clip in both directions of movement, and a plurality of electric indicating devices each having a control circuit including one of the plungers and its associated clip in series.

2,074,754
RECORDING DEVICE FOR TELEPHONES
Harold F. Murphy, Detroit, Mich.
Application November 19, 1932, Serial No. 643,371
3 Claims. (Cl. 234—33.5)



2. A device for recording calls made on a telephone instrument having a dial, operation of said dial requiring a forward and a return movement thereof, a receiver removable from the instrument and a movable contact member which supports the receiver and which moves when the receiver is moved therefrom and placed thereon; comprising in combination, a reciprocable marking device, dial actuated means for causing reciprocation of the marking device to make a record of the number dialed, a record sheet to be marked upon by said marking device, means operated by said dial upon each forward movement thereof for shifting the record sheet transversely to the direction of reciprocation of the marking device, additional means, operatively positioned by movement of the contact bar when the receiver is placed thereon, coacting with the shifting means to effect double shifting of the record sheet and means responsive to the return movement of the first dialing operation of a call to disable said additional means from coacting with said shifting means, whereby only single shifts take place on dialing operations succeeding the first.

2,074,755
LIGHTNING ARRESTER
Bernard E. O'Hagan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 2, 1935, Serial No. 9,074
9 Claims. (Cl. 175—30)



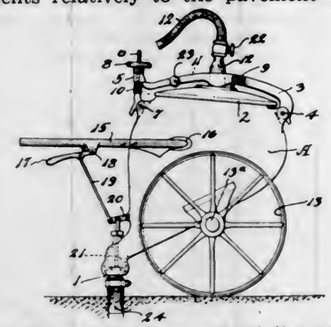
4. A lightning arrester comprising two parallel plates having a predetermined spacing therebetween and each provided with a hole which is in alignment with the hole in the other plate, a pair of electrodes each having a head, one electrode being disposed in the hole in each plate to provide a spark gap between the confronting ends of said electrodes, and removable spring means for holding the head of each electrode in engagement with the associated plate.

9. A lightning arrester comprising two parallel plates each provided with a hole which is in alignment with the hole in the other plate, an insulating member extending through said plates and provided with shoulders which cooperate with the confronting faces of said plates to maintain a predetermined spacing therebetween, a pair of electrodes each having a head, one electrode being disposed in the hole in each plate to provide a spark gap between the confronting ends of said electrodes, removable spring means for holding the head of each electrode in contact with the outer face of the associated plate, and means cooperating with the outer ends of said insulating member for compressing said spring means against the heads of said electrodes.

2,074,756
FLUID PLACING AND PAVEMENT RAISING APPARATUS
John W. Poulter, Milwaukee, Wis., assignor to National Equipment Corporation, Milwaukee, Wis., a corporation
Application December 1, 1933, Serial No. 700,561
Renewed January 13, 1937
15 Claims. (Cl. 94—39)

1. In a pavement raising apparatus of the type wherein a mobile fluid is forced beneath the pavement through an opening in the pavement, a wheeled support, a mobile fluid receiving container pivotally carried by said support, and fluid injection means for injecting the mobile fluid into an opening in a pavement, said injection means being formed on said container, said injection means having its longitudinal axis dis-

posed for vertical insertion and withdrawal movements relatively to the pavement opening

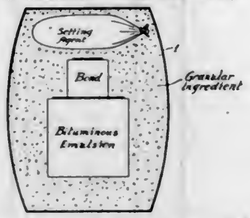


incident to pivotal movement of the container on the support.

2,074,757
3(N-SODIUM FORMALDEHYDE SULPHOXYLATE) AMINO-4-HYDROXY-PHENYL-ARSONIC ACID
George W. Raiziss and Abraham I. Kremens, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application November 18, 1935, Serial No. 50,364
3 Claims. (Cl. 260—14)

1. A composition of matter formed by the interaction of a minor proportion of sodium formaldehyde sulphoxylate with a major proportion of amino-hydroxy phenyl arsonic acid, the arsenic atom of said composition being pentavalent.

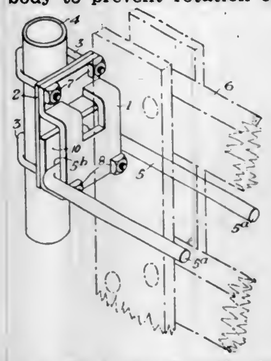
2,074,758
COMPOSITION FOR FLOORS AND THE LIKE
Lloyd N. Reynolds, Cleveland, Ohio, assignor to Maintenance Research, Limited, Cleveland, Ohio, a limited partnership association of Ohio
Application December 16, 1935, Serial No. 54,535
7 Claims. (Cl. 106—24)



1. A flooring composition, comprising one-half to one and one-half parts of a powdered setting agent selected from the group containing Portland cement, gypsum flour and silica flour, from one and one-half to three parts of emulsified bituminous material, and from five to twelve parts of highly expanded, burned and inert argillaceous material in granular form.

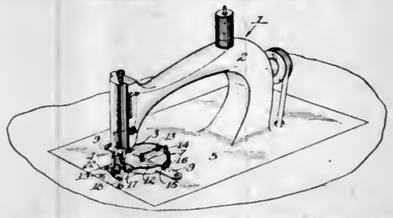
2,074,759
GATE LATCH
Daniel W. Richards, Roanoke, Va.
Application June 11, 1936, Serial No. 84,639
9 Claims. (Cl. 292—68)

1. A gate latch comprising a latch body, and a latch fork mounted in said body for vertical sliding movement between two positions, said fork being provided with means which cooperates with said body to prevent rotation of the latch



fork relative to the body when the fork occupies its lower position but not when the fork occupies its upper position.

2,074,760
CIRCULAR STITCHING GUIDE FOR SEWING MACHINES
Fred Richardson, Grove City, Ohio
Application September 16, 1935, Serial No. 40,669
2 Claims. (Cl. 112—150)

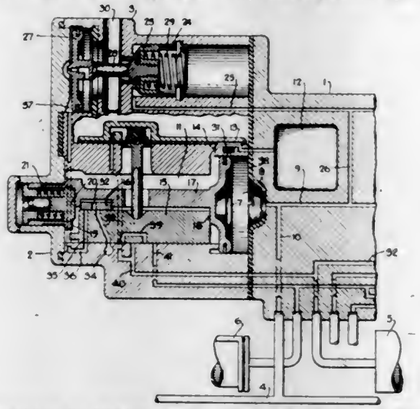


1. In a sewing machine, the combination with a stationary work support, a linearly movable work advancing dog and a pressure bar, of a stationary work-receiving guide mounted on the work support for receiving circular multi-ply materials to be circumferentially stitched, said guide being circumferentially slotted in registration with the work advancing dog, a roller carried by the lower end of the pressure bar for engagement with the peripheral edge of the material to be stitched where such material projects through the slot in said guide, said roller holding the edge of said material in engagement with the work advancing dog, a pressure plate movably mounted in said guide independently of the pressure bar and roller, said plate being disposed to cover the material received in said guide to maintain the material in a flat unwrinkled condition while said material is being rotated about a fixed center, and devices carried by said plate and cooperative with said guide to preclude rotation on the part of said plate when operatively positioned in said guide, said devices furnishing finger receiving portions to facilitate manipulation of said plate in and out of said guide.

2,074,761
FLUID PRESSURE BRAKE
Everett P. Sexton, East McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 1, 1936, Serial No. 93,780
12 Claims. (Cl. 303—42)

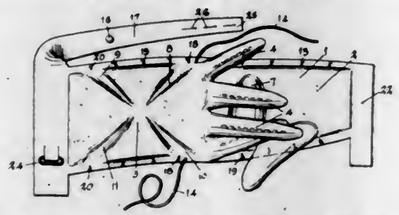
1. In a fluid pressure brake, in combination, a brake pipe, and an emergency valve device com-

prising a piston subject to the opposing pressures of the brake pipe and a chamber normally charged with fluid under pressure, and valve means operative by said piston upon a reduction in brake pipe pressure at a service rate for venting fluid under pressure from said chamber at a service rate and operative by said piston upon a



reduction in brake pipe pressure at an emergency rate for effecting an emergency application of the brakes, and a volume reservoir normally charged with fluid under pressure and connected to said chamber through a restricted port adapted at all times to limit the rate at which the pressure in said chamber is maintained by flow from said reservoir to said chamber.

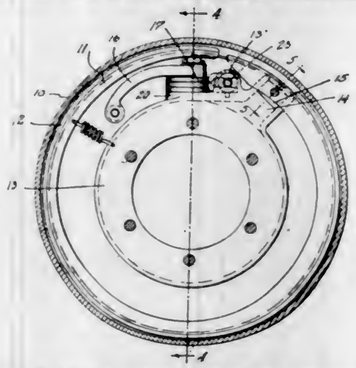
2,074,762
DERMATOID GLOVE
Florence R. Seyfried, Toledo, Ohio
Application August 7, 1935, Serial No. 35,083
4 Claims. (Cl. 128—157)



3. A dermatoid glove having porous material and formed to have finger, palm, and back portions and formed of elastic material, the back portion having portions of decreasing rigidity and extending diagonally from substantially corner parts of the back portion and toward the center of the back portion, and means for drawing the ridge portions to distribute the pressure over the area of the back portion on the back of the hand of the user.

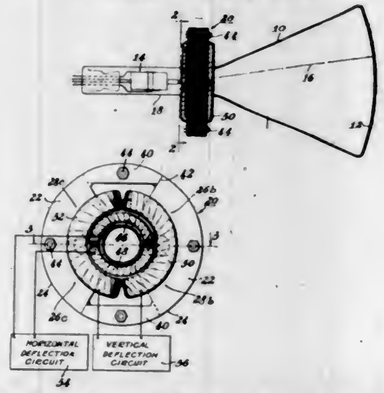
2,074,763
BRAKE
John W. Tatter, Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application June 30, 1930, Serial No. 464,809
34 Claims. (Cl. 188—78)

1. In a brake, the combination of a brake drum, a brake shoe having one end fixed against relative movement circumferentially of the brake drum, said brake shoe having the other of its ends located adjacent its fixed end, and a bell crank operatively connected with the free end of the brake shoe and supported for operative movement in a plane extending substantially at



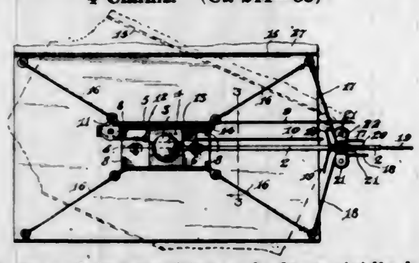
right angles to a plane extending perpendicular to the axis of the brake drum, said bell crank having a curved lever arm extending longitudinally in a transverse direction relative to the axis of said brake drum.

2,074,764
DEFLECTION DEVICE FOR CATHODE-RAY TUBES
William A. Tolson, Westmont, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 15, 1934, Serial No. 757,624
2 Claims. (Cl. 250—27.5)



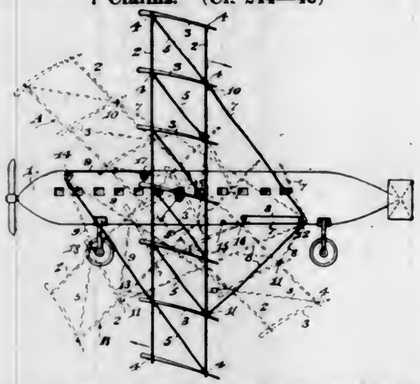
1. A cathode ray deflection device comprising a yoke of magnetic material provided with two pairs of pole pieces, said pole pieces being disposed about and extending inwardly toward the center of said yoke, the pole pieces of each pair being disposed respectively on diametrically opposite sides of said center, and two pairs of ray-deflecting coils, the coils of one pair being disposed between said center and the coils of the other pair, each of said coils being disposed about two of the pole pieces which are adjacent to each other in the direction circumferentially about said center, each of said coils in one pair also being disposed about two adjacent pole pieces each of which has disposed thereabout a different coil of the other pair.

2,074,765
RUDDER
Herbert Luther Adams, Washington, D. C.
Application November 22, 1932, Serial No. 644,562
4 Claims. (Cl. 244—88)



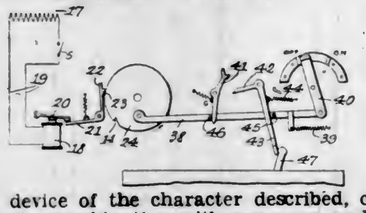
1. In a flying machine, a body, a rigidly held ball at the rear of the body, a socket forming member mounted for universal movement on said ball, and a rudder slidably mounted on said socket forming member.

2,074,766
BODILY MOVABLE PLANE
Herbert Luther Adams, Washington, D. C.
Original application April 14, 1921, Serial No. 461,412. Divided and this application November 22, 1932, Serial No. 644,563
7 Claims. (Cl. 244—48)



1. In a flying machine, a body, and a wing structure pivoted to one side of the body to move in a vertical arc lengthwise of the body as a unit, said wing structure including a plurality of superposed planes capable of movement to vary the angle of incidence thereof independently of any pivotal movement of the wing structure as a unit.

2,074,767
CAMERA SHUTTER CONTROL DEVICE
Frank X. Aichele, East St. Louis, Ill.
Application March 15, 1935, Serial No. 11,366
Renewed February 1, 1937
2 Claims. (Cl. 95—53)



1. A device of the character described, comprising the combination with a camera and the shutter thereof, of a camera shutter control device embodying a disk, a bar connected with the disk and adapted to rotate the disk, yieldable means for urging the bar in one direction to operate the disk, means operated by the bar for operating the camera shutter and electrically controlled means adapted to release the disk and bar to the action of the yieldable means.

2,074,768
CLOSURE APPARATUS
Roy C. Beaver, Greenville, Pa.
Application May 11, 1936, Serial No. 79,151
3 Claims. (Cl. 105—451)



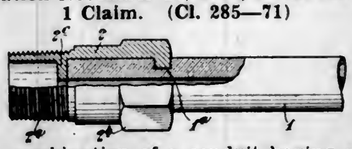
1. In a hopper of a railway hopper-car, at least one end wall provided with an aperture through which steam pipes and the like may be introduced, guides substantially Z-shaped in cross-section secured in a substantially vertical position on said hopper end wall, a closure plate having an aperture therein adapted to be registered with the aperture in said hopper end wall and having a solid closure portion, said closure plate being loosely mounted in said guides and being constructed and arranged to permit gravity to move said aperture in said closure plate out of registry with said aperture in said hopper end wall and means on said closure plate and cooperating with said guides for limiting the movement of said closure plate relative to said guides.

2,074,769
DINING TABLE EQUIPMENT
Ernest Julius Braun, Stamford, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 25, 1933, Serial No. 662,725
5 Claims. (Cl. 154—54)



1. A table pad comprising a fabric sheet having a layer of sponge rubber anchored on one side thereof, the exposed surface of said sponge rubber presenting a substantially continuous, non-porous surface, and a second fabric sheet united to said first fabric sheet by a film of rubber cement, a film of a hydrophillic colloid being interposed between said second fabric sheet and said film of rubber cement, and said second fabric sheet carrying a waterproof surface film comprising cellulose nitrate.

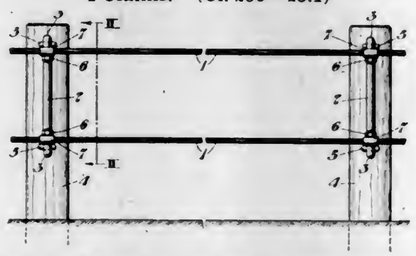
2,074,770
FLEXIBLE CONDUIT WITH END FITTINGS
Alan E. Brickman and George A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application November 18, 1935, Serial No. 50,457
1 Claim. (Cl. 285—71)



The combination of a conduit having at least a rubber compound outer portion provided with a

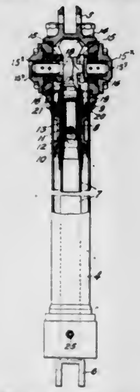
circumferential recess adjacent its end and a die cast end fitting in direct contact with said outer portion at said end and extending into said recess, said outside being of substantially the same character throughout including its part in contact with said end fitting.

2,074,771
ROAD GUARD
Alan E. Brickman and George A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application February 21, 1936, Serial No. 65,166
4 Claims. (Cl. 256—13.1)



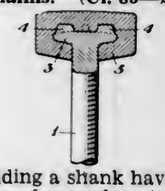
1. A road guard including the combination of a plurality of spaced strands providing a road guarding means, brackets each providing a body portion and spaced legs extending away therefrom, and means for connecting the ends of said legs with said strands, said brackets being arranged with their body portions offset from said strands away from traffic and at different heights, the ends of the legs of each of said brackets being connected with alterate ones of said strands and their respective body portions being hinged together.

2,074,772
LOCKING MEANS FOR FLUID PRESSURE MOTORS
Francis Victor Brown, London, England, assignor to Automotive Products Company Limited, London, England
Application January 23, 1935, Serial No. 3,173
In Great Britain February 27, 1934
6 Claims. (Cl. 121—40)



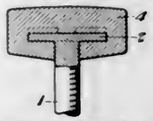
1. A jack including a cylinder, a rod telescopically movable therein, a double-acting annular piston on the rod slidable in the cylinder and to a limited extent with respect to the rod, a packing washer on each end of the piston bearing in a fluid-tight manner upon both the surface of the rod and the bore of the cylinder, locking means carried by the cylinder for locking the rod at an end of its stroke comprising detents carried by the cylinder and spring-pressed inwardly for engagement with a locking element on the rod, a cam projecting from the end of the rod moving as one with the piston but having lost motion therewith with respect to the rod, whereby said cam is able to pass through the detents to separate them and then allow them to close when the locking element on the rod has moved forward into alignment with said detents.

2,074,773
LEAD-HEADED NAIL
Raymond E. Camp and John J. Strysik, Joliet, Ill., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 17, 1935, Serial No. 27,071
5 Claims. (Cl. 85—28)



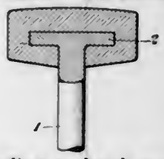
1. A nail including a shank having a head providing a plurality of spaced protuberances on its top surface, said head and said protuberances being enclosed by a relatively plastic substance.

2,074,774
LEAD-HEADED NAIL
Raymond E. Camp and John J. Strysik, Joliet, Ill., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 17, 1935, Serial No. 27,072
3 Claims. (Cl. 85—28)



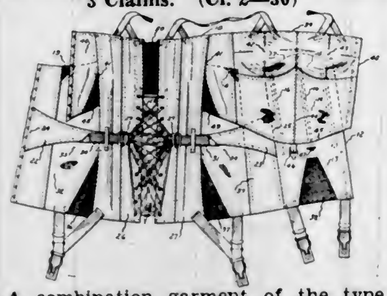
2. A nail including a shank having a head providing recesses that extend diametrically across its top surface and which mutually intersect in right angular relationship, said head being enclosed by a relatively plastic substance and the latter extending into said recesses.

2,074,775
LEAD-HEADED NAIL
Raymond E. Camp and John J. Strysik, Joliet, Ill., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 17, 1935, Serial No. 27,073
2 Claims. (Cl. 85—28)



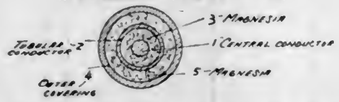
2. A nail including a shank and a rectangular head overhanging said shank, said head being enclosed by lead.

2,074,776
COMBINATION GARMENT
Renah F. Cotey and Christian H. Fleck, Jackson, Mich., assignors to S. H. Camp & Company, Jackson, Mich., a corporation of Michigan
Application May 11, 1934, Serial No. 725,166
3 Claims. (Cl. 2—30)



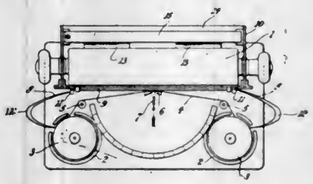
1. A combination garment of the type described comprising front and side portions extending between and overlying the thigh and upper abdominal regions, a brassière portion, a back portion common to said front, side and brassière portions, an elastic portion comprising a part of said garment extending downwardly from the upper edge thereof imparting release to said brassière portion and to the upper part of said front and side portions an elastic portion comprising a part of said garment extending upwardly from the lower edge thereof imparting release to the lower parts of said front and side portions, adjustable lacing located in the intermediate and lower parts of said back portion for adjusting the garment to the wearer below the brassière line of the garment, means through which the traction of adjustment of the garment is concentrated upon the intermediate section of said front portion to impart girdle characteristics to that portion of the garment, and common adjustment means for said lacing and said means whereby the adjustment of said lacing and means is simultaneously effected.

2,074,777
CONCENTRIC CABLE WITH MINERAL INSULATION
Marcel Mariê Joseph Eugene Coupier, Paris, France
Application March 14, 1935, Serial No. 11,156
In France March 14, 1934
2 Claims. (Cl. 205—18)



1. A multi-stage method for the manufacture of a magnesia-insulated multiple conductor cable comprising a first stage consisting in substantially encasing a wire which constitutes a first conductor in magnesium windings, then enclosing the said wire and windings in a tubular metallic member of larger diameter which constitutes a second conductor, then passing a flow of steam between the said two conductors whereby the magnesium is converted into hydroxide form, then heating the whole to convert the hydroxide into magnesia, and finally subjecting the whole to a mechanical lengthening treatment, said treatment being terminated before a length corresponding to the ultimate length of the cable is attained, and a subsequent stage consisting in substantially encasing the product of the preceding stage in magnesium windings, then enclosing the windings in a tubular metallic member of larger diameter, then passing a flow of steam through the magnesium to convert it into hydroxide form, then heating the whole to convert the hydroxide into magnesia and finally subjecting the whole to a mechanical lengthening treatment so as to give it the final length desired for the cable.

2,074,778
TYPEWRITER
Heinrich Decker, Cologne, Germany, assignor to Okopa Carbon Paper Eliminator Limited, London County, England
Application June 11, 1934, Serial No. 730,124
In Germany June 10, 1933
1 Claim. (Cl. 197—153)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



In a typewriter having a frame, a paper carriage mounted for reciprocating movement on the frame, a platen carried by the carriage, a pair of ribbon spools on the frame, means for effecting intermittent actuation of the spools to feed ribbon carried by them from one spool to the other, a main inking ribbon wound on said spools, and a support for supporting the main ribbon in position in front of the platen, the combination of a transversely extending guide mounted on the paper carriage between the main ribbon and the platen with its ends within the total width of the typewriter, and an auxiliary inking ribbon, of length greater than the main ribbon, which auxiliary ribbon is wound on the same spools as the main ribbon with its middle portion supported by the guide so as to form in the intermediate position of the carriage loose loops between the ends of the guide and the spools, the guide being adapted to carry the auxiliary ribbon with it as the carriage moves during typewriting until one of the loose loops becomes taut, and thereafter to permit the auxiliary ribbon to slide through it to effect the forward feed of the auxiliary ribbon.

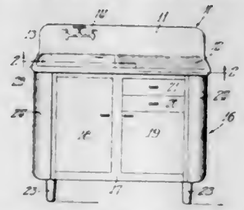
2,074,779
EXPANSIBLE NUT UNABLE TO WORK LOOSE
Maurice Bourdon de Launay, Le Quillio, France
Application July 6, 1934, Serial No. 734,036
In France July 10, 1933
1 Claim. (Cl. 151—21)



Expansible lock nut comprising a helical metal wire of rectangular cross section with the turns in contact with each other, a screw thread cut on the inner wall of slightly smaller diameter that the screw threaded rod upon which it has to be screwed and a circular groove cut on the outer cylindrical wall leaving a head and a base

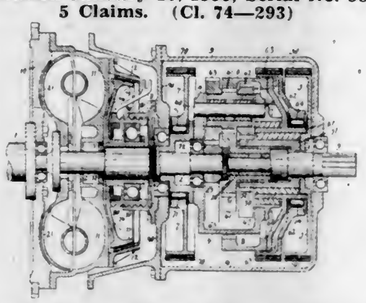
said nut upon axial application to the threaded rod being expanded to prevent retrograde movement.

2,074,780
ADJUSTABLE SUPPORTING AND UTILITY STRUCTURE
Andrew Demcak, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, a corporation of Wisconsin
Application October 10, 1935, Serial No. 44,345
10 Claims. (Cl. 312—169)



1. In a structure of the class described, the combination of an extensible sheet metal cabinet having an inner wall and an outer wall at one end, one of said walls being false and one of said walls overlapping and being movable with respect to the other to vary the distance between the walls at said end and thus vary the over-all dimensions of the cabinet, and means for adjustably fixing said overlap, said means being concealed between the said walls.

2,074,781
VARIABLE SPEED POWER TRANSMISSION
William A. Duffield, Montreal, Quebec, Canada, assignor to Juno Corporation Limited, Montreal, Quebec, Canada, a corporation
Application January 10, 1936, Serial No. 58,497
5 Claims. (Cl. 74—293)

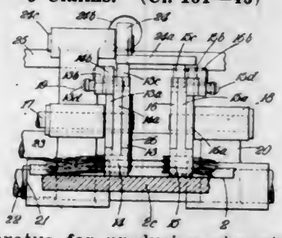


1. In a manual control variable speed transmission, a casing, a drive shaft, having a fly wheel bolted to it, a main shaft, a fluid coupling having a driver and a runner mounted about the main shaft, the driver secured to the fly wheel, the runner secured to the main shaft, a tail shaft journalled in the casing, bored to journal an extension of the main shaft, adjacent pinions on the main and tail shafts, a carrier journalled on the main shaft, an over running clutch connected to the carrier, means to release the clutch, a set of pins mounted in the carrier parallel to the main shaft, triple integral gears journalled on each pin, two sets of which mesh with the pinions, an annulus meshing with the gears meshing with the tail shaft pinion, means to hold the annulus, a sleeve journalled on the tail shaft having a pinion meshing with the third set of the integral gears and means to hold this pinion.

2,074,782
RESINOUS COMPOSITIONS AND PROCESS OF MAKING SAME
Donald Edwards Edgar, Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 9, 1935, Serial No. 44,305
9 Claims. (Cl. 134—26)

1. A process for making a compatible and homogeneous resinous mixture which comprises heating fatty oil modified polyhydric alcohol-polybasic acid resin with an organic peroxide and combining with the peroxide treated resin a urea-aldehyde condensation product.

2,074,783
CIGARETTE MACHINE
William Frederick Maitland Edwards, London, England, assignor to Filter Tips Limited, London, England, a British company
Application November 7, 1934, Serial No. 751,952
In Great Britain November 9, 1933
9 Claims. (Cl. 131—43)



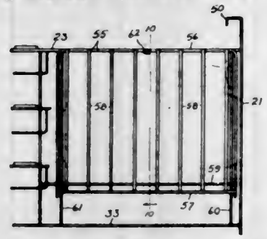
1. Apparatus for producing cigarettes of the kind referred to, comprising means for severing a continuous tobacco filling into lengths, and reciprocatable gripping means adapted to engage the cut lengths and to move the same bodily forward to provide intermediate spaces between the lengths.

2,074,784
GLASS GOBLET STEM FORMING TOOL
Lloyd W. Games, Weston, W. Va.
Application October 29, 1935, Serial No. 47,208
5 Claims. (Cl. 49—24)



5. In a stem forming tool for glassware, a pair of resiliently connected stem forming prongs spaced apart and lying in the same plane, a second pair of stem forming prongs lying in a plane apart from and parallel to said first named plane and means mounted on each of said first named pair of prongs to support one of said second named pair of prongs.

2,074,785
REFRIGERATOR CABINET DOOR RACK
Edward Willard Gentz, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application July 19, 1935, Serial No. 32,280
2 Claims. (Cl. 312—173)



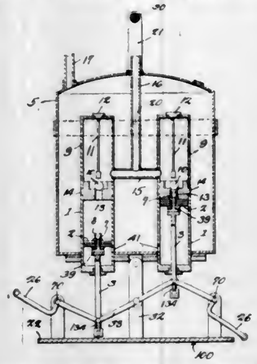
1. A utility rack for the door of the cooling chamber of a refrigerator cabinet or the like comprising in combination, a supporting wire frame adapted to be secured on the inside of said door, said frame including vertically disposed laterally spaced side rods and a plurality of cross rods connecting the side rods arranged in spaced relation to each other longitudinally of the side rods, a drop shelf comprising a U-shaped wire form loops rotatably receiving a cross rod of the frame having the ends thereof return bent to supporting frame therethrough whereby the shelf may hinge about said cross rod to move from a raised position substantially parallel with the supporting frame to a position substantially normal to said supporting frame, a cross rod secured to the shelf frame adjacent said loops adapted to engage the vertical rods of the supporting frame when the shelf is in the lowered position for maintaining said shelf in said position, and separate means connected with the supporting frame for maintaining the shelf in the raised position.

2,074,786
SYNTHETIC RESIN
George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 19, 1936, Serial No. 80,635
6 Claims. (Cl. 260—3)

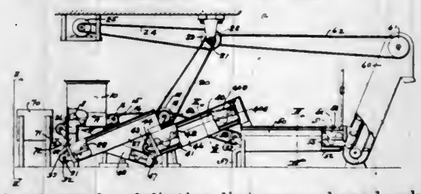
1. The resinous reaction product of an aldehyde and a polynuclear polyketone in which the carbon atom of each ketone group is a part of a hydroaromatic ring and is attached to at least one methylene group.

2,074,787
PISTON PUMP FOR GASES AND LIQUIDS
Paul Herbst, Bremen, Germany
Application July 3, 1934, Serial No. 733,652
In Germany July 3, 1933
2 Claims. (Cl. 103—215)

1. A pump comprising a supporting frame including a base, a tank mounted on the frame for oscillatory swinging movement about a substantially horizontal axis and having an inlet, a pump cylinder mounted on the lower end of the tank and extended into the tank, the pump cylinder being provided with an inlet communicating with the tank, the pump cylinder having an outlet extended out of the tank, inlet and outlet valves associated with the pump cylinder, a piston mounted for reciprocation in the pump cylinder, a piston rod connected to the piston and including a portion extended downwardly out of the tank, a foot lever fulcrumed on the lower portion of the frame, for oscillatory movement, and extended beneath the tank, and means for connecting the lever pivotally with the downwardly extended portion of the piston rod.



2,074,788
MEANS FOR DELINTING COTTONSEED OR THE LIKE
Leonidas C. Holloman and Louis C. Stukenborg, Memphis, Tenn.; said Holloman assignor to Delinting Cotton Seed Company, Inc., Memphis, Tenn., a corporation of Tennessee
Application June 26, 1935, Serial No. 28,428
3 Claims. (Cl. 83—28)

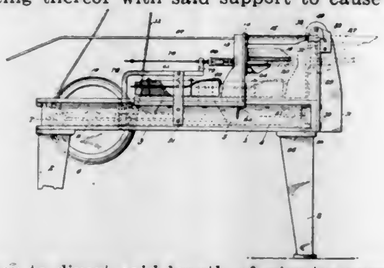


1. Means for delinting lint covered seed, which comprises a treating trough, means for delivering seed and means for delivering acid into the feed end of said trough, means for agitating said seed and acid, and for discharging same from the discharge end of said trough; a drainage trough, having one end disposed below the discharge end of said treating trough, said drainage trough having a screened bottom, means for agitating and advancing seed along and discharging same from said drainage trough, means for restraining discharge of seed from said trough to exert pressure on such seed, means disposed below said drainage trough to receive and remove acid drained therefrom, means for returning such liquid into the feed end of said treating trough; a washing trough disposed to receive seed discharged from said drainage trough, said washing trough having a perforated bottom, means to agitate, advance and discharge seed from said washing trough, and means for discharging washing water against said seed during passage through said washing trough.

2,074,789
METHOD AND APPARATUS FOR TRANSFORMING BENDABLE MATERIAL INTO PREDETERMINED AND FINISHED SHAPES
Durward K. Hopkins, Peoria, Ill., assignor to Keystone Steel & Wire Company, Peoria, Ill., a corporation of Illinois
Application July 1, 1935, Serial No. 29,214
41 Claims. (Cl. 140—71)

1. The method of transforming a length of wire into a predetermined and finished wire

shape which consists in initially positioning said length in association with a support, thence subjecting said length to the action of an element comprising a former adapted upon the axial meeting thereof with said support to cause said



former to divert said length of wire transversely of said former whereby said length is fashioned to assume final predetermined assemblance and finally securing certain meeting portions thereof to hold the same in finished form.

2,074,790

LIDDED BOX OR RECEPTACLE

Albert Hornemann, London, England, assignor to Printator Limited, London, England
Application September 2, 1936, Serial No. 99,124
In Great Britain September 7, 1935
4 Claims. (Cl. 220—35)



1. A lidded box comprising a box portion and a lid, a hinge connecting said box and lid together along the back edge, springs on said hinge tending to maintain the lid in the open position, a centrally disposed projection on the front wall of the box, a centrally disposed catch on the front wall of the lid adapted to coact with said projection to maintain said lid in the closed position and means on the front wall of the box for limiting the extent of closure and on which the front part of the lid has a slight rocking movement when depressed at one of its front corners, which rocking movement serves to effect the disengagement of the catch so that the lid is free to open automatically under the action of the spring.

2,074,791

RADIO AND LIKE SOCKET

Carl L. Knutson, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application April 21, 1934, Serial No. 721,732
11 Claims. (Cl. 173—328)

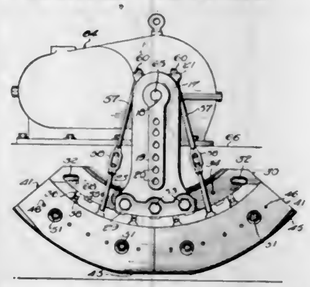


1. An electrical socket of the class described comprising, in combination, a pair of thin superposed spaced apart insulating plates, the top plate having apertures therethrough to permit passage of the prongs of a cooperating member, a plurality of contact members located between said plates, each of said contact members having a pair of yieldable portions located beneath and intersecting an aperture in the top plate to receive a prong between them, and said yieldable portions being supported at both ends by said plates.

2,074,792

SHAFT COUNTERBALANCE

Joe A. Lyne, Houston, Tex., Robert Griffin De La Mater, Parkersburg, W. Va., and John M. Cooper, Houston, Tex., assignors to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a corporation of West Virginia
Application December 29, 1933, Serial No. 704,580
12 Claims. (Cl. 74—591)

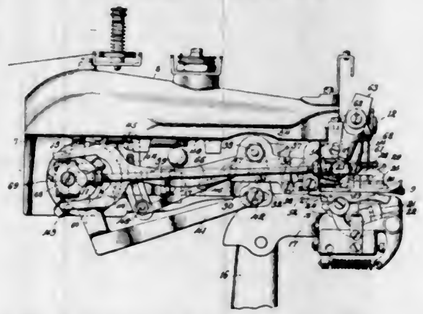


1. The combination of a crank, a weight adapted to be arranged against one side of said crank adjacent its free end, said weight being elongated in a plane at right angles to the axis of rotation of said crank, means for securing said weight and said crank to each other, a supporting rod for said weight anchored at one end with respect to said crank adjacent the axis of rotation thereof and having means at its other end engaging said weight, a pair of hanger rods adapted to be arranged outwardly of the opposite edges of said crank and having means at their radially outer ends adapted to engage and support said weight, and stationary means for supporting the radially inner ends of said hanger rods, the latter ends of said hanger rods having with said stationary means connections fixing said hanger rods against downward movement.

2,074,793

BLIND STITCH SEWING MACHINE

Joseph Mann, Philadelphia, Pa., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine
Application January 16, 1936, Serial No. 59,456
5 Claims. (Cl. 112—176)



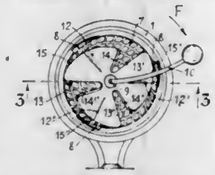
1. In a sewing machine stitch forming mechanism, the combination with a feeding mechanism, of a threaded needle mounted for reciprocations across the line of feed, a lever fulcrumed to swing about an axis transverse to the line of feed, a looper carrier pivoted to one end of the lever to swing about an axis transverse to the line of feed, a threaded looper mounted on said carrier, means to oscillate said lever to impart needle-

avoiding movements to the looper, and means for oscillating the looper carrier to impart backward and forward movements to the looper.

2,074,794

SIEVE

Jean Mantelet, Bagnolet, France, assignor to Mantelet & Boucher (Societe en nom Collectif), Bagnolet, France
Application May 4, 1935, Serial No. 19,890
In Luxemburg May 17, 1934
2 Claims. (Cl. 146—175)

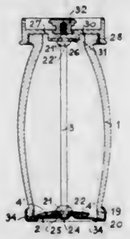


1. A masher including a sieve consisting of a metal sheet in the form of a body of revolution provided with a plurality of holes leaving between them a series of coaxial annular strips and a plurality of substantially rectilinear strips located at equal intervals from one another and connecting together two adjacent annular strips, all of the last mentioned strips that extend between two adjacent annular strips making the same acute angle with radial planes intersecting them respectively, and a rotary compression member bearing against said sieve and adapted to turn about the axis of said body of revolution.

2,074,795

MILL FOR PEPPER, SALT, SUGAR, COFFEE, AND THE LIKE

Jean Mantelet, Bagnolet, France, assignor to Mantelet & Boucher (Societe en nom Collectif), Bagnolet, France
Application December 10, 1935, Serial No. 53,804
In Luxemburg December 15, 1934
5 Claims. (Cl. 83—13)



1. A mill for hard matters such as pepper, salt, sugar, coffee and the like, which comprises, in combination, a container forming the body of the mill, a sieve constituting the lower end of said container, a helical crushing member journalled in said container about an axis substantially at right angles to said sieve having its lower part in contact with said sieve so as to rub thereon when rotated about said axis, said helical crushing member including a plurality of distinct elements rigidly connected together, and a part in said container having a plurality of recesses formed in the inner periphery thereof, located opposite the peripheral edge of said crushing element, said recesses being so positioned that said elements of the crushing member cooperate successively, and not simultaneously, with the corresponding recesses for crushing particles of matter partly engaged in said respective recesses and projecting across the path of said elements of the crushing member.

2,074,796

BANDEAU, BRASSIÈRE, OR THE LIKE

George C. Mason, Jr., Madison, N. C., assignor to Gem-Dandy Garter Co., Madison, N. C.
Application July 9, 1935, Serial No. 30,549
6 Claims. (Cl. 2—42)

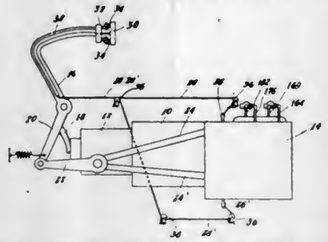


1. A garment of the class described including a body encircling portion, bust sections or cups joined thereto and each comprising non-stretchable portions and elastic portions, each section or cup being stretchable at the elastic portions transversely of a plurality of lines radiating from a point adjacent to the center of the section or cup.

2,074,797

PEDAL-OPERATED AUTOMATIC GEAR-CHANGE

Luis Juan Massolo, Buenos Aires, Argentina
Application April 20, 1936, Serial No. 75,475
In Argentina April 27, 1935
7 Claims. (Cl. 74—334)



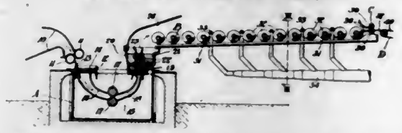
1. In an automatic gear-change system comprising a gear-box, a gear-selector mechanism operatively coupled to said gear-box and commutating means in said mechanism having two opposed and one free positions, a pedal operatively coupled to the gear-selector mechanism and having a head, a centrally disposed lug projecting from said head on either side thereof, a plate pivotally mounted between said lugs, a cable extending from one end of said plate to a point on one side of said commutating means, a second cable extending from the other end of the plate to a point on the opposite side of the commutating means, and guides for said cables, whereby upon depression of one end of said plate with respect to said head the commutating means is brought into one operative position to predetermine operation of the gear-selector mechanism in one direction, and upon similar depression of the other end of the plate the commutating means is brought into its opposed operative position to predetermine operation of the gear-selector mechanism in the opposite direction, pressure upon the central portion of the plate maintaining the same in balanced position whereby the commutating means is maintained in its free position thus disengaging the coupling between the pedal and the gear-selector mechanism.

2,074,798

APPARATUS FOR COATING SHEET METAL

James R. McElhaney and Robert Stoker, Vandergrift, Pa., assignors to American Sheet and Tin Plate Company, a corporation of New Jersey

Application June 22, 1934, Serial No. 731,984
6 Claims. (Cl. 91—12.7)



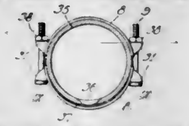
1. Apparatus for coating sheet metal comprising a pot containing molten metal, an oil-box associated with said pot, means for moving a sheet through said pot and said oil-box, a cooling table extending from said pot, means for moving a sheet along said cooling table while contacting only the edges thereof, and oil-removing means associated with said cooling table, said last named means being constructed and arranged to remove the majority of oil taken up by said sheet as it moves through said oil box and return the majority of the same to the latter.

2,074,799

PRESSED METAL CLAMP AND METHOD OF PRODUCING SAME

Patterson D. Merrill, South Bend, Ind., assignor to M. B. Skinner Company, South Bend, Ind., a corporation of Indiana

Application February 15, 1935, Serial No. 6,653
2 Claims. (Cl. 138—99)



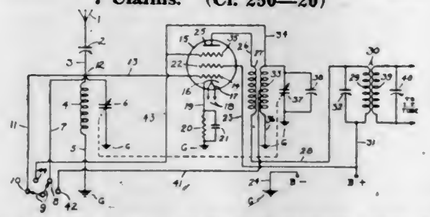
1. A pressed metal clamp member of the class described for use with clamping bolts embodying a preformed rectangular steel plate having a somewhat flexible arcuate body and somewhat radially directed flanges at each end of the body, said flanges being thereafter upset to form somewhat U-shape open-ended channels to retain a maximum amount of the metal of said flanges in the side walls of the channels which thus form reinforcing strut members between the bottoms of the channels and the said body, the bottoms of said channels being perforated to provide bolt lugs, whereby said lugs are materially stiffened in the direction of pull of the bolts while leaving the body somewhat flexible.

2,074,800

MULTIBAND RADIO RECEIVER

Garrard Mountjoy, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio

Application April 30, 1934, Serial No. 723,229
7 Claims. (Cl. 250—20)



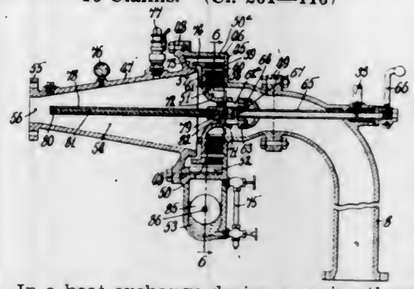
1. In radio receiving sets, a vacuum tube, an input circuit comprising a coil connected in the grid-cathode circuit of said tube and an antenna coupled to said coil, said circuit being resonant with a given frequency band, a variable condenser normally connected in parallel with said coil for tuning it over a given frequency band, means for disconnecting said condenser from said coil, and means in circuit with the antenna for tuning the grid-cathode circuit with the antenna for tuning the grid-cathode circuit of the tube over a band of frequencies higher than said given band when said variable condenser is disconnected from said coil.

2,074,801

HEAT EXCHANGE AND AIR WASHING DEVICE

Warren Noble, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application February 28, 1934, Serial No. 713,333
16 Claims. (Cl. 261—116)



1. In a heat exchange device, a casing through which a gaseous fluid to be cooled is adapted to flow, said casing having a cylindrical portion, means within said casing for spraying a cooling liquid into the path of the gaseous fluid stream flowing through said casing for intermingling the cooling liquid with the gaseous fluid, annular means stationary with respect to said casing and arranged centrally within said cylindrical casing portion for imparting a rapid whirling motion to the commingled gaseous fluid and liquid to direct the same in an annular path completely about the circular interior periphery of the cylindrical casing portion for effecting separation by a centrifugal whirling action of the gaseous fluid and liquid, said annular whirling means having a central entrance for the commingled gaseous fluid and liquid and the circular interior periphery of said cylindrical casing portion providing an annular water race surrounding said annular whirling means for receiving the separated liquid, and discharge means for the cooled gaseous fluid and liquid respectively for discharging the cooled gaseous fluid and the separated liquid from the casing.

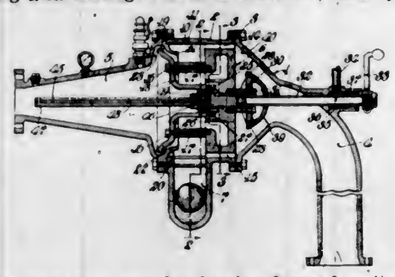
2,074,802

HEAT EXCHANGE DEVICE

Warren Noble, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application June 18, 1934, Serial No. 731,084
18 Claims. (Cl. 261—118)

1. In a heat exchange device, a casing having a cylindrical chamber through which a gaseous fluid to be cooled is adapted to flow, means in said casing for spraying cooling liquid into the path of the gaseous fluid stream for effecting intermingling of the cooling liquid with the gaseous fluid, means for thereafter separating the commingled gaseous fluid and liquid by imparting thereto a centrifugal whirling action rapidly to whirl the same about the interior periphery of said cylindrical chamber in a direction longitudinally of the casing comprising a cylindrical separator member stationary with respect to said casing and arranged in said chamber, said cylin-



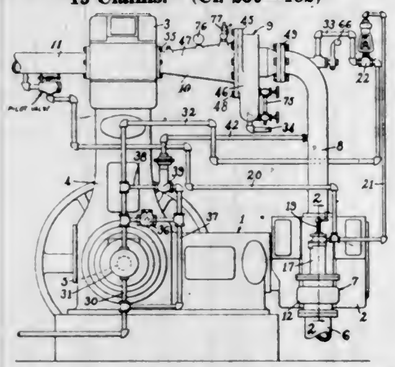
drical separator member having formed on its exterior periphery a series of curved flow-directing passages for imparting a whirling motion to the commingled gaseous fluid and liquid, and means for respectively discharging the cooled gaseous fluid and separated liquid from said casing.

2,074,803

AIR COMPRESSOR

Warren Noble, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Original application February 28, 1934, Serial No. 713,333. Divided and this application November 16, 1934, Serial No. 753,361
15 Claims. (Cl. 230—182)



1. The combination with a fluid compressor having fluid compressing means including a fluid compressing cylinder and discharge means for the compressed fluid, of a heat exchange device for receiving the fluid from said cylinder, means for delivering cooling liquid under pressure to said heat exchange device for cooling the compressed fluid, and pressure controlled means for controlling the supply of liquid flowing to said heat exchange device including by-pass means controlled by the pressure in said compressor discharge means.

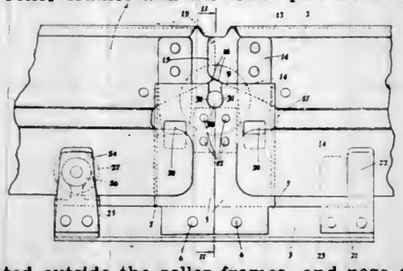
2,074,804

BELT CONVEYER

Tage Georg Nyborg, Worcester, England, assignor of one-half to The Mining Engineering Company Limited, Worcester, England

Application September 18, 1935, Serial No. 41,165
In Great Britain December 5, 1934
7 Claims. (Cl. 198—204)

1. A frame construction for a belt conveyer comprising in combination roller frames having sockets formed therein by the butting of the open ends of pairs of U-shaped members, side plates having the upper portion thereof located within the roller frames and the lower portion thereof



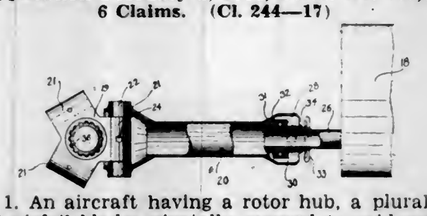
located outside the roller frames, and pegs carried by said side plates, engaging in said sockets to locate said side plates relatively to said roller frames.

2,074,805

AIRCRAFT

Haviland H. Platt, New York, N. Y., assignor to Frederick W. Wilkening, Philadelphia, Pa.

Application February 2, 1934, Serial No. 709,485
6 Claims. (Cl. 244—17)



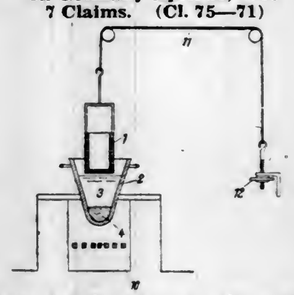
1. An aircraft having a rotor hub, a plurality of airfoil blades pivotally secured to said rotor hub by means adapted to resist the centrifugal forces upon said blades, and adapted to permit pitch-varying and lagging displacements of said blades in relation to said hub, and means mounted wholly on said centrifugally-resistant securing means for automatically and constantly correlating the lagging and pitch-varying displacements of said blades.

2,074,806

PROCESS FOR THE EXTRACTION OF CADMIUM

Aladár Pór, Duisburg-Wanheim, Germany, assignor to "Berzelius" Metallhutten-Gesellschaft mit beschrankter Haftung, Duisburg-Wanheim, Germany

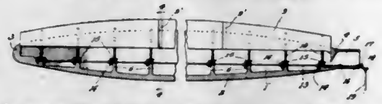
Application April 20, 1936, Serial No. 75,498
In Germany April 25, 1935
7 Claims. (Cl. 75—71)



1. Process for the recovery of metallic cadmium which comprises plunging a mass of moist cadmium sponge at least partially into a molten

body of caustic alkali, withdrawing the mass at least partially from the molten body, and repeating this sequence of operations.

2,074,807
ADJUSTABLE AREA PROPELLER BLADE
Elliott W. Reed, Cloquet, Minn.
Application August 3, 1936, Serial No. 94,089
4 Claims. (Cl. 170—159)



1. A propeller blade comprising a hollow main section open along its trailing edge, and an auxiliary section shiftable from a retracted position in which it is housed within the main section to an extended position in which a portion of the auxiliary section projects through the open trailing edge of the main section and increases the effective area of the blade.

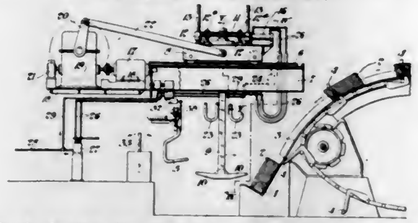
2,074,808
GAME BALL
Clarence H. Rickey, Dayton, Ohio, assignor to The Crawford, McGregor and Canby Company, Dayton, Ohio, a corporation of Ohio
Application February 9, 1935, Serial No. 5,756
11 Claims. (Cl. 154—18)



1. As an article of manufacture, a golf ball having a liquid core permeated with a gaseous material by the expansion of which increased internal pressure is generated within the ball.

2. The herein described method of manufacturing golf balls including incorporating a quantity of liquid intermixed with carbon dioxide "dry ice" (CO_2) into the central core of the ball, wrapping a layer of strip material upon the core and permitting the "dry ice" content of the core to subsequently gasify, thereby internally increasing the tension of the wrapped layer of strip material.

2,074,809
COIL HANDLING APPARATUS
George H. Rose, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 23, 1935, Serial No. 41,807
4 Claims. (Cl. 214—87)



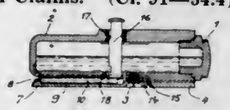
1. A device for transferring coils from a rack to traveling hooks comprising an elevated trackway arranged to span the space between said rack and the path of said traveling hooks, a carriage riding said trackway, a vertically movable transfer hook rotatively depending from said carriage, means for moving said carriage along said trackway, means for effecting vertical and rotative movements of said transfer hook, and means responsive to movement of said traveling hooks for controlling the first named means so as to effect synchronous meetings of said transfer hook and said traveling hooks.

2,074,810
BOND
Ernest J. Sabol, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application October 15, 1934, Serial No. 748,396
2 Claims. (Cl. 173—280)



1. In combination, a rail having a recess therein, a conductor, a sleeve on an end of said conductor, said sleeve and the end of said conductor having a continuous aperture, a tubular rivet extending through said aperture and into the recess in said rail, a pair of spaced exterior flanges on said tubular rivet, said flanges being in contact with the adjacent surface of said sleeve, and a pin in said tubular sleeve, said pin being upset to snugly occupy the bottom of the recess in said rail and to occupy the interior of said tubular rivet.

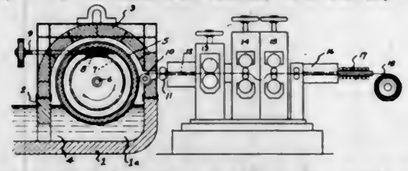
2,074,811
DEVICE FOR MOISTENING ENVELOPES
Felix Schuh, Berlin, Germany
Application November 18, 1935, Serial No. 50,433
In Germany November 20, 1934
4 Claims. (Cl. 91—54.4)



1. An envelope sealer comprising a base provided at one end with a depression and at the other end with a pair of longitudinally extending and spaced ribs, an absorbent pad in said depression, a water container provided on its underside adjacent one end with a bead fitting between said ribs and cooperating therewith to space the remaining undersurface of the container from the pad and a single means acting to detachably secure the water container to the base and also cooperating with the ribs and bead in preventing relative rotation between the container and the base.

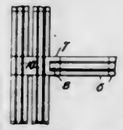
2,074,812
PRODUCTION OF SHEETS AND OTHER SHAPES FROM MOLTEN METAL
Tadeusz Sendzimir, Katowice, Poland, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application July 15, 1935, Serial No. 31,358
In Poland October 16, 1932
8 Claims. (Cl. 22—57.3)

1. A process of producing shapes directly from molten metal, which comprises providing a body of molten metal in a furnace, segregating a portion of said metal for casting purposes while maintaining it in heat exchange relationship with the metal in the furnace, contacting the surface of said segregated portion with a heat absorbing body so as to chill and solidify a relatively thin



portion of said molten metal on the surface of said heat absorbing body, and removing the solidified portion thereof on the body of said cooling means, while protecting said segregated portion of said molten metal and said solidified metal from chemical action.

2,074,813
CONCRETE WALL BLOCK CONSTRUCTION
Isaac B. Sill, Tonganoxie, Kans., assignor to Dale R. Rawlings, Tonganoxie, Kans.
Application January 2, 1936, Serial No. 57,100
1 Claim. (Cl. 72—38)



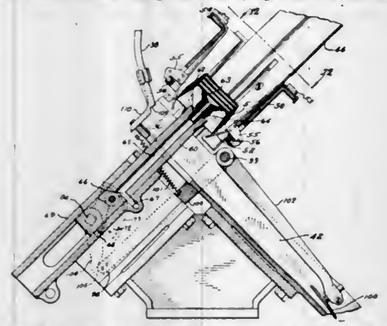
The combination of a wall and a partition composed of similar horizontal courses of blocks tongued and grooved together longitudinally at their upper and lower faces, every alternate partition course abutting endwise the inner face of the wall, and the end blocks of the other courses of the partition, extending through the wall, the last-named end block having at its opposite horizontal faces, cross tongues and grooves respectively engaging and receiving the longitudinal grooves and tongues of immediate overlying and underlying blocks of the wall.

2,074,814
RESINOUS COMPOSITIONS AND PROCESS OF MAKING SAME
Wilfred Winter Smith, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 5, 1935, Serial No. 48,446
11 Claims. (Cl. 134—26)

1. A process which comprises combining a polyhydric alcohol-polybasic acid resin, containing in combined form the acid radicals of non-hydroxylated fatty oil acid, with urea-aldehyde reaction product, said resin being prepared with polyhydric alcohol in excess of from 5% to 30% of that required for complete esterification of the acid reactants.

2,074,815
BOTTLE CAPPING MECHANISM
Olof N. Tevander and Christian H. Brinton, Chicago, Ill., assignors to Standard Cap and Seal Corporation, Chicago, Ill., a corporation of Virginia
Application June 3, 1931, Serial No. 541,773
25 Claims. (Cl. 226—88.1)

1. In a device of the character disclosed, in combination, means for retaining a plurality of articles; mechanical means for removing articles from said retaining means; pneumatic means



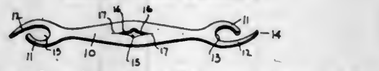
for rendering said mechanical means effective; and pneumatic means for imparting further movement to said articles.

2,074,816
HAIR WAVING DEVICE
Lillian Trotter, Astoria, N. Y.
Application January 2, 1936, Serial No. 57,134
6 Claims. (Cl. 132—31)



1. A hair waving device comprising a longitudinal absorbent casing, a chemical within said casing acting as a filler for said casing and simultaneously adapted when moistened to generate sufficient heat to impart a permanent wave to a tress of hair wound on said casing, and a pliable member on the end portions of said casing whereby the end portions may be bent over for holding the device in position on the said tress of hair.

2,074,817
NETTING NEEDLE
Otto H. von Bargen, Duthie, Idaho
Application March 16, 1935, Serial No. 11,444
Renewed September 8, 1936
1 Claim. (Cl. 96—21)

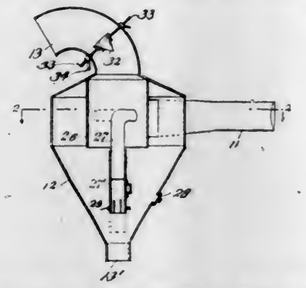


An integral netting needle comprising a flat shank formed with an elongated thread-retaining slot adapted at either end to grip the thread, a bifurcated end forming an enlarged recess and a narrow opening therefrom, said end comprising outwardly bowed prongs with their free ends curving inwardly, and one of said prongs being of greater length than the other prong and overlapping said prong.

2,074,818
CYCLONE DUST COLLECTOR
Myron J. Watson, Chicago, Ill.
Application August 14, 1936, Serial No. 96,029
6 Claims. (Cl. 183—83)

1. A cyclone dust collector having a tangential inlet, upper and lower discharge openings, and a tubular in the upper portion, and characterized by a vertical pipe located in the axis of the conical lower portion of the collector having its lower end located near the lower discharge opening and extending upward into the tubular and then

curved outward through the wall of the tubular and having its upper end curved in the same direction as the material-laden air currents en-



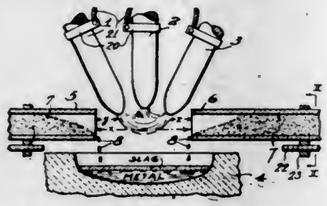
tering from the tangential inlet so that said upper end is surrounded by said currents which exert suction on said pipe, substantially as described.

2,074,819

APPARATUS FOR TREATING MATERIALS

Joseph W. Weitzenkorn, Pittsburgh, Pa.

Application May 2, 1933, Serial No. 668,932
5 Claims. (Cl. 13—9)



1. An apparatus for effecting a chemical reaction or otherwise treating material, comprising a source of heat, a separate conduit for progressively charging solid reaction material at an angle less than its angle of repose into the zone of thermal influence of said heat source, means associated with said conduit for adjusting the distance between its discharge outlet and said source of heat, feeding means associated with the conduit for progressively feeding said material therethrough, and means for collecting treated product discharged from said conduit.

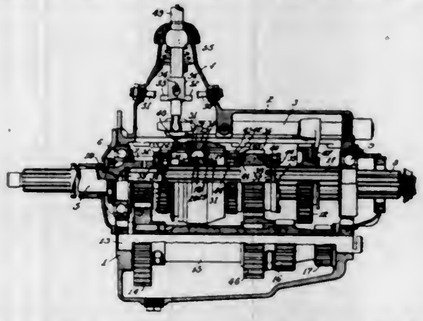
2,074,820

CLUTCH MECHANISM FOR AUTOMOBILE TRANSMISSIONS

Samuel O. White and Otto E. Fishburn, Muncie, Ind., assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application August 11, 1930, Serial No. 474,366
6 Claims. (Cl. 74—370)

6. In a transmission, a driving shaft, a driven shaft in axial alignment therewith, a gear rotatably mounted on said driven shaft and drivingly connected with said driven shaft, clutch members carried by said driving shaft, clutch members carried by said gear, a movable clutch assembly disposed between said driving shaft and said gear and including two concentric members, the inner of said members being splined to said driven shaft, the outer of said members being in overrunning drive relationship with the inner member, each of said clutch assembly members having clutch portions at opposite ends adapted for engagement with the clutch members on said driving shaft and said gear respectively, the clutch portions of the said outer member extending longitudinally in advance of the clutch portions on said inner member, a lever for bodily shifting said movable clutch assembly in the direction of the driving shaft or gear clutch mem-



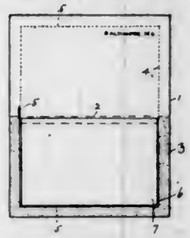
bers at will progressively to clutch therewith first the outer clutch assembly member and thereafter the inner clutch assembly member, and operator-controlled means for limiting the movement of said clutch assembly by said lever to clutch engagement through the said outer clutch assembly member only.

2,074,821

POST CARD

Ludwig Wissmann, Baltimore, Md.

Application May 23, 1935, Serial No. 22,990
1 Claim. (Cl. 229—92.1)



A letter card comprising a sheet of paper having a line of fold in the center thereof, the half of said sheet on one side of said line of fold having perforations around its edge and a small elongated opening adjacent said line of fold and in line with said perforations, and the other half of said sheet having its edge gummed on a line with said perforations of the other half, and a depression between said gummed edges, and an additional sheet of paper secured at its upper edge to the letter card and in that part of the depression next to the fold line of said letter card, so that said additional sheet of paper may be folded back and used for an additional writing surface, said additional sheet being adapted to lie within said depression when the letter card is sealed.

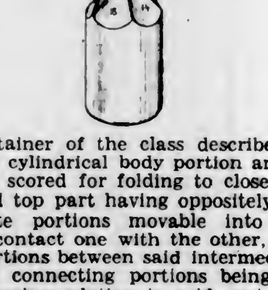
2,074,822

DYNAMO-ELECTRIC MACHINE

Alexander P. Wood, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application September 4, 1935, Serial No. 39,106
5 Claims. (Cl. 171—252)

1. A rotor for dynamo-electric machines including a hub having segments, an annular integral rim, spokes rigidly connecting said hub segments and said annular rim, and means including



ing resilient arms integral with said segments for clamping said segments together.

2,074,823

HEAT TREATMENT OF STEEL FOR RESISTANCE TO CREEP

George H. Wright, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application September 28, 1934, Serial No. 745,853
8 Claims. (Cl. 148—21.5)

1. The method for increasing the resistance of forged hypo-eutectoid steel to creep which comprises heating the steel at a temperature at least about 175° C. above its critical range but below the point of incipient fusion for several hours, then quenching the steel.

7. A device, a portion of which is subject to continued stress at elevated temperatures, said portion comprising a forged hypo-eutectoid steel which has been heated for several hours at a temperature in the range between about 175° C. above the critical range of the steel and below its point of incipient fusion.

2,074,824

CONTAINER

Albert Karlsson-Ygger, New York, N. Y.

Application March 16, 1935, Serial No. 11,400
8 Claims. (Cl. 229—4.5)



1. A container of the class described having a generally cylindrical body portion and having a top part scored for folding to close the container, said top part having oppositely disposed intermediate portions movable into substantially flat contact one with the other, and connecting portions between said intermediate portions, said connecting portions being movable into overlapping relation to said contacting intermediate portions.

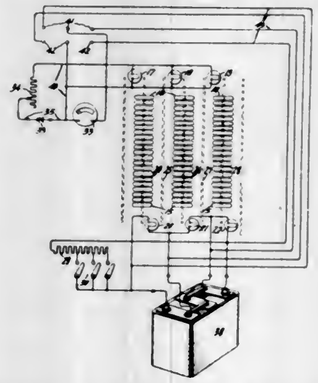
2,074,825

PHOTOMETRIC BATTERY TESTER

Ralph D. Amsden, Lynn, Mass., assignor to General Electric Company, a corporation of New York

Application September 10, 1935, Serial No. 39,943
10 Claims. (Cl. 175—183)

1. A photometric device for indicating an electrical condition of an electric apparatus comprising a scale, a source of light of constant intensity mounted at one end of said scale, light from said source being projected along a portion of said scale from one end of said scale toward the other end, and a light source the light from which varies in intensity in accordance with



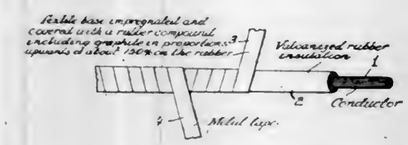
said electrical condition to be indicated mounted at the other end of said scale, light from said last-named source being projected from said other end of said scale along a portion of said scale adjacent and parallel to said first-named portion.

2,074,826

HIGH TENSION RUBBER INSULATION

Charles R. Boggs, Waban, Mass., assignor to Simplex Wire & Cable Company, Boston, Mass., a corporation of Massachusetts

Application May 21, 1932, Serial No. 612,859
7 Claims. (Cl. 173—264)



3. A high-tension insulated electric cable, comprising a conductor and vulcanized rubber insulation thereon, and a continuously adherent conducting covering over said insulation comprising a textile base impregnated and covered with a rubber compound including graphite in proportion upwards of about 150% by weight on the rubber.

2,074,827

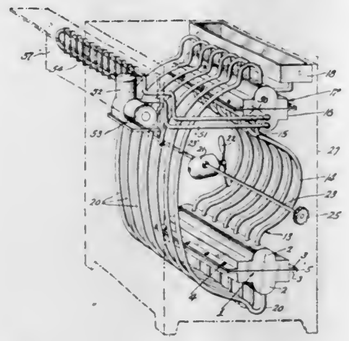
APPARATUS FOR CONTROLLING THE TEMPERATURE IN ROOMS

Clifford L. Butler, Wilmette, Ill.

Application December 8, 1933, Serial No. 701,425
13 Claims. (Cl. 257—9)

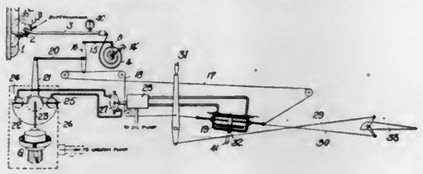
1. A temperature control apparatus, in the form of a self-contained transportable unit comprising an elongated chamber, a source of heat located in the upper portion thereof, a series of pipes extending from the top of the elongated chamber, a second elongated chamber in the bottom of which said conduits terminate the conduits being deflected between said chambers towards one side of the plane containing the axes of the chambers, and a second set of conduits extending from the

top of the second chamber to the bottom of the first chamber the second set being deflected to-



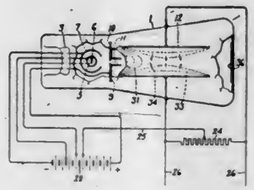
wards the opposite side of said plane, the pipes and chambers containing a heat transfer fluid.

2,074,828
LEVEL FLIGHT CONTROL FOR AIRPLANES
Bert G. Carlson, Bellerose, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 23, 1935, Serial No. 17,772
12 Claims. (Cl. 244—78)



1. In a level flight control for airplanes having an engine and elevator surface, a movable device, the position of which changes with changes of pressure at the intake manifold, and a servomotor connected to operate said surface and controlled at least in part by the position of said device to maintain an efficient flight level at the prevailing engine speed and manifold intake pressure.

2,074,829
ELECTRON BEAM TUBE
John M. Cage, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 21, 1933, Serial No. 676,875
13 Claims. (Cl. 250—27)



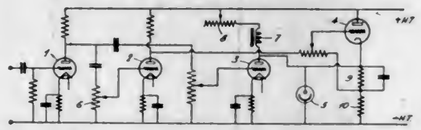
1. An electron beam tube comprising an envelope containing an electron gun including an equipotential cathode for producing electrons in a fast-moving focused condition, and a common means for deflecting the beam across the tube and for simultaneously maintaining the beam in its focused condition, and means for receiving the electrons.

2,074,830
CONTAINER CLOSURE
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application November 27, 1934, Serial No. 754,968
7 Claims. (Cl. 41—34)



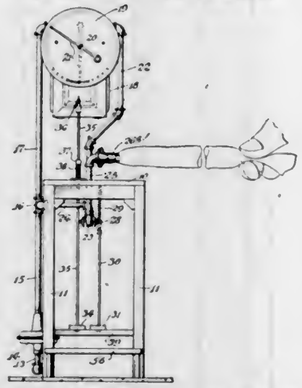
2. A container closure comprising in combination a unitary integral molded main cap internally threaded to engage an external thread on a container and provided with an outward projecting narrow annular rib immediately adjacent the bottom thereof, and a molded sleeve surrounding the cap immediately adjacent the rib and of such length as to cover at least the major portion of the peripheral wall of the cap, the said cap and sleeve being so related to each other as to permit assembly by downward movement of the sleeve onto the cap and the said cap and sleeve having integral portions which engage each other to prevent relative rotation.

2,074,831
THERMIONIC VALVE CIRCUIT ARRANGEMENT
Harry Melville Dowsett and Ernest Frederick Goodenough, London, England, assignors to Radio Corporation of America, a corporation of Delaware
Application May 25, 1934, Serial No. 727,446
In Great Britain April 24, 1933
3 Claims. (Cl. 179—171)



3. In a thermionic tube driving circuit for glow discharge tubes and the like of the type wherein distortion of the signal energy is introduced due to the fact that the impedance characteristic of the glow discharge tube can not be matched accurately to the impedance characteristic of the thermionic tube, means for compensating for the distortion of the signal energy comprising a pair of thermionic tubes each thereof being provided with an input circuit and an output circuit, the output circuit of each tube including a source of space current, means for connecting the glow discharge device in the output circuit of one of said tubes so as to form a series circuit comprising the space path of the tube, the glow tube and the source of current, means for connecting the glow discharge device in the output circuit of the other of said tubes so that said glow discharge device is in parallel with the space path of said other tube as respects the source of space current, means for impressing signaling energy upon both of said input circuits, the signaling energy impressed upon one of said circuits being in phase opposition to the signaling energy impressed upon the other thereof.

2,074,832
APPARATUS FOR DETERMINING THE CUBIC CAPACITY OF HOLLOW ARTICLES
Charles B. Dushane, Jr., Chicago, Ill.
Application May 10, 1934, Serial No. 724,915
15 Claims. (Cl. 73—151)



1. Apparatus for determining the capacity of a hollow article comprising in combination, a gas meter having dial mechanism provided with a zero position and operable when gas is flowing through the meter, stop means normally interrupting the operation of the mechanism and holding the same in zero position, conduit means for connecting the article to the delivery side of the meter, the stop means being shiftable to free the mechanism for operation to register the amount of gas required to fill the article, and means for returning the stop means to interrupting position to reestablish the zero of the mechanism.

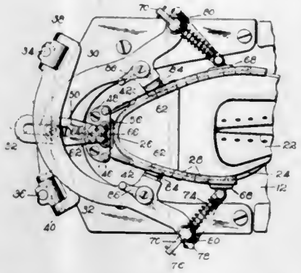
15. Apparatus for separately determining the volume of a plurality of hollow articles comprising in combination, means for supplying gas at a predetermined pressure, a gas meter having an inlet and an outlet provided with means for attaching an article thereto for filling, and means for alternately connecting the gas supply to the inlet, and simultaneously to the inlet and outlet, the connections occurring during the filling and measuring of one article, and the removal and replacing of another article for filling, respectively, whereby the meter is completely filled with gas at all times.

2,074,833
SHAVING PREPARATION
Ralph H. Fash, Fort Worth, Tex.
No Drawing. Application January 11, 1934, Serial No. 706,204
6 Claims. (Cl. 167—90)

1. A shaving preparation adapted to prolong the useful life of steel razor blades used with the same, comprising an oxidizing agent having passivating action on steel, and a material selected from the group of shaving aids consisting of shaving soap, soap-type shaving cream and brushless or latherless shaving cream.

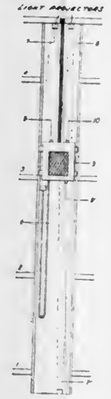
2,074,834
APPARATUS FOR ATTACHING SHOE SOLES
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 3, 1935, Serial No. 260
16 Claims. (Cl. 12—33)

1. A welt holddown comprising a flexible welt engaging member adapted to extend about the periphery of a shoe, a longitudinally slidable support for the toe portion of said member, and



laterally swinging supports for the two sides of said member.

2,074,835
ELECTRIC ELEVATOR INDICATING SYSTEM
Alan S. Fitz Gerald, Wynnewood, Pa.
Application December 5, 1933, Serial No. 700,957
In Great Britain December 6, 1932
8 Claims. (Cl. 177—336)

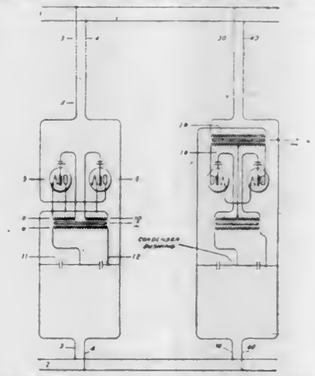


7. In combination, an elevator car, means including photo-electric devices for furnishing a plurality of electric currents having relative magnitudes which vary in accordance with the position of said elevator car, means for generating a single electric current varying in accordance with a relation between said currents, and means responsive to said single current for indicating the position of said car.

2,074,836
ALTERNATING CURRENT ELECTRIC POWER CONTROL SYSTEM
Alan S. Fitz Gerald, Wynnewood, Pa.
Application February 10, 1934, Serial No. 710,672
In Great Britain February 15, 1933
15 Claims. (Cl. 175—294)

1. In an alternating current electric system, a first circuit, a second circuit, means effectively including space current means for transmitting alternating current power therebetween, a transformer energized by the alternating voltage existing across one of said circuits, for supplying to said space current means a plurality of voltages for controlling the action of said space current

means so as to control the flow of alternating current between said circuits, and means for



preventing flow of uni-directional current in the primary winding of said transformer.

2,074,837
GEAR DRIVE OR FLEXIBLE ROLLABLE BELT
George Holt Fraser, Brooklyn, N. Y.
Original application October 25, 1932, Serial No. 639,464. Divided and this application August 31, 1935, Serial No. 38,778
15 Claims. (Cl. 74—231)



1. In an anti-frictional stress transmission device, comprising a series of longitudinally rollably connected, diametrically stress resistant, rollable members having external peripheries having diametrically opposite exposed contact portions operable to receive stress at one side of and to rollably transmit it at right angles to the direction of rollability of said members to the other side of said members, and web means rollably connected to said rollable members and by which the latter are rollably positioned, of less thickness than the diameter of said rollable members and connected thereto intermediate said exposed portions thereof, movable in said direction with said members and being operable to in said direction space and rollably connect said rollable members and to permit the latter to rollably transmit said stress from without one side of said web means and across the thickness of the latter to without the other side of said web means without subjecting said web means to said stress; the combination therewith of rollable longitudinal spacer means between and in rollable contact with the external peripheries of longitudinally adjacent ones of said rollable members, rollable in reverse direction to the rollability thereof, rollably carried by said web means, and being operable to rollably space said members in said direction of their rollability by rollable contact with the external peripheries thereof.

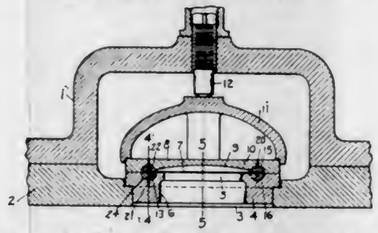
2,074,838
HEATING DEVICE FOR LIMB EXTREMITIES
Mary Geria and Andrew Geria, Croton Falls, N. Y.
Application December 5, 1935, Serial No. 52,977
17 Claims. (Cl. 4—165)

1. Apparatus for warming the limb extremities of the body, comprising a casing, a resting member in said casing for the extremities, a heat generating unit adjacent one end of the casing, means in connection with the heat generating



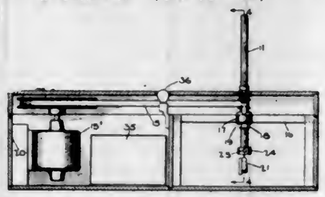
unit for dissipating the heat through the casing, and operable means for controlling said unit and the heat dissipating means.

2,074,839
VALVE
Jesse G. Gibson, Bradford, Pa., assignor of fifty-one per cent to Bovaird and Company, Bradford, Pa., a copartnership composed of George W. Bovaird and Joseph H. Bovaird
Application March 13, 1935, Serial No. 10,943
12 Claims. (Cl. 277—60)



10. In a feather valve, the combination of a seat having a valve opening; a separable guard above the opening; a pin bearing at the end of the valve opening and at the parting between the guard and seat; a resilient feather valve plate closing the opening and operating between the guard and seat; a hinge pin for the plate in the bearing, said pin having a slot therethrough for the plate in which the end of the plate is slidingly mounted; and a stop in the slot limiting the sliding movement of the plate.

2,074,840
BOBBIN TESTER
Charles D. Greentree, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 29, 1935, Serial No. 29,177
4 Claims. (Cl. 73—51)



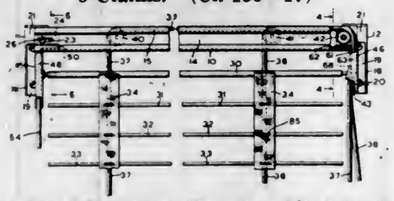
1. A balance-testing device for rotating objects comprising in combination, a rotatable vertical spindle for carrying an object to be tested in rotation, a base carrying said spindle, flexible mounting means supporting said base near its upper end, said base being wholly supported thereby, means for rotating said spindle, an electro-magnetic pick-up mounted upon the lower end of said base, and current-responsive means electrically connected to said pick-up.

2,074,841
TAG RING FOR HANGERS
Albert Haimowitz, New York, N. Y.
Application November 5, 1936, Serial No. 109,304
6 Claims. (Cl. 40—11)



2. A tag ring for hangers comprising a vertical element continuing into a hook portion of substantially inverted U-shape form continuing into a support portion bent back along the hook portion to the top thereof, and then continuing into a ring comprising several helical turns, resiliently maintaining contacting positions and adapted to be separated for the engagement of a card or sheet of material therebetween.

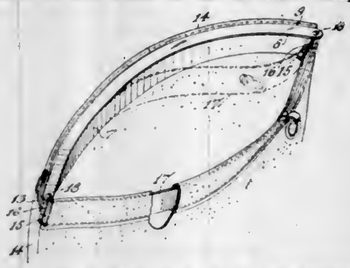
2,074,842
VENETIAN BLIND HEAD BAR
Samuel Hammer, Brooklyn, N. Y., assignor to United Metal Box Co., Inc., Brooklyn, N. Y., a corporation of New York
Application April 26, 1935, Serial No. 18,300
5 Claims. (Cl. 156—17)



1. A head bar for a Venetian blind having a web and a front wall extending upwardly from said web; and a housing depending from each end of said head bar; each of said housings comprising a web forming in effect a vertically disposed portion of said head bar web, and a front wall disposed in the plane of the front wall of the head bar.

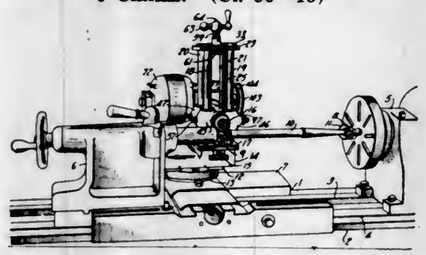
2,074,843
BAG FRAME
William C. Hiering, Millburn Township, Essex County, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application November 29, 1935, Serial No. 52,108
3 Claims. (Cl. 150—42)

2. In a hand bag frame, a frame member comprising a rigid arcuate metal strip having at one edge thereof an inwardly directed right angular flange bent back upon itself to provide an outwardly directed right angular flange, so that said member is substantially T-shaped in cross section, a plurality of spaced tabs attached to the lower edge of said strip, said tabs being bendable upwardly to clamp bag covering material to the strip, and a spring strip having its ends pivotally connected to the ends of the arcuate strip, said



spring strip being of substantially the same length as the arcuate strip, said spring strip having a slot extending along the longitudinal center line thereof, to points short of the ends of the strip.

2,074,844
METALWORKING MACHINE
Charles H. Hill, Trousdale, Kans., assignor to The Master Brake and Appliance Company, Inc., Trousdale, Kans., a corporation of Kansas
Application September 8, 1934, Serial No. 743,215
6 Claims. (Cl. 90—15)

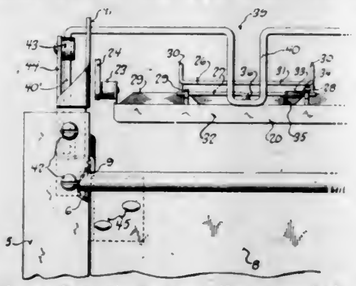


1. In a device of the character described including base and head plates, guide posts connecting said plates, a pair of screw shafts having their ends rotatably mounted in the plates, a tool carrier slidable on the guide posts and having threaded connection with said screw shafts, gears on the screw shafts, a gear interconnecting said gears, and means for rotating one of the gears to actuate the screw shafts for moving the tool carrier on the guide posts.

2,074,845
VENDING MACHINE
Sherwood C. Ide, Buffalo, N. Y., assignor to Ira Milton Jones, Thiensville, Wis.
Application November 16, 1933, Serial No. 698,232
1 Claim. (Cl. 312—96)

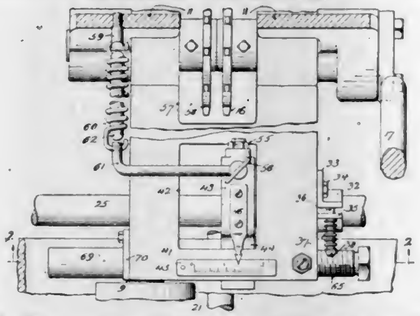
In a vending machine including a discharge chute and a hinged door normally closing the discharge chute, a plurality of article supports each selectively positionable to discharge its contents into the chute, instrumentalities to effect the opening of the door of the discharge chute and the discharge of an article from a support into the chute, a guard carried by each article support to hold an article thereon, the guard being movable to an inoperative position to permit the discharge of an article through the chute, and means operable concomitantly with the opening of the door to engage and lift the guard to an inoperative position comprising a shaft mounted to turn on an axis parallel to the hinge axis of the door and parallel to the adja-

cent article support, a finger carried by the shaft and adapted to swing into engagement with the guard as the shaft is turned in one direction, a lever projecting radially from the shaft, an arm fixed with respect to the door to swing about the hinge axis of the door when the door is



opened, and a stud pivotally mounted on the outer end of said arm, said stud having a transverse opening in which the lever extending radially from said shaft is slidably disposed whereby swinging movement of the stud with the door turns the shaft to lift the guard.

2,074,846
CUTTING MACHINE
Oscar I. Judelshon, Park Ridge, N. J.
Application February 1, 1936, Serial No. 61,846
12 Claims. (Cl. 164—69)



1. The combination of a machine for cutting a roll of material into separate discs wherein a revolvable knife is movable towards and from the roll, said machine having a carriage movable lengthwise of the machine to bring about a step by step positioning of the knife and roll of material, and a stop device for controlling the positioning of the carriage, including a stop member, means for locking it stationary and releasing it for movement lengthwise of the machine, said stop member having a limited movement lengthwise of the machine and engaging members on said carriage to limit the movement of said stop member, a spring arranged to move said stop member in one direction when released, means for locking and unlocking the stop member, and means for moving the carriage lengthwise of the machine.

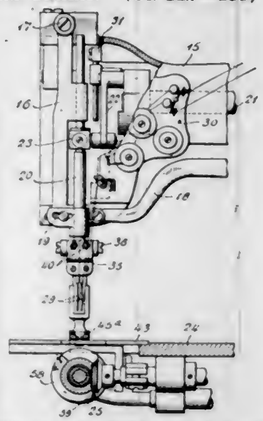
2,074,847
HARD ALLOY
Louis Edmond Lemaigre, Paris, France, assignor to General Electric Company, a corporation of New York
No Drawing. Application August 4, 1934, Serial No. 738,537. In France August 19, 1933
1 Claim. (Cl. 75—136)

A sintered composition consisting substantially of tungsten carbide, titanium carbide, titanium nitride, and a binder alloy for said carbides and nitride, said binder alloy consisting substantially of metal, of the iron group and metal of the 6th group of Mendelejeff's periodic table of elements and comprising about 3% to 22% by weight of said composition, the weight of the tungsten carbide being about ten times the combined weight of the titanium carbide and titanium nitride, and the weight of the titanium nitride being an appreciable amount but less than 20% of the combined weight of the titanium carbide and titanium nitride.

2,074,848
METHOD OF TINNING AND TINNED ARTICLES
Frank M. Levy, Port Huron, Mich., assignor to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan
No Drawing. Application December 7, 1935, Serial No. 53,423
3 Claims. (Cl. 91—70.2)

2. The method of protecting the surfaces of metal articles from corrosion which comprises coating said surfaces with a thin layer of an alloy predominantly tin but including from about 0.005% to about 0.2% alloyed phosphorus.

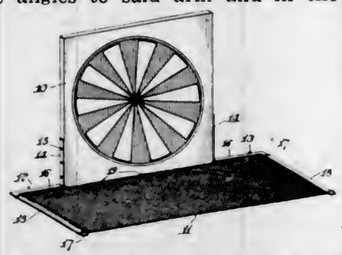
2,074,849
SEWING MACHINE
Alfred W. MacBride, Roselle Park, N. J., assignor to Max Pollack & Company, Inc., New York, N. Y., a corporation of New York
Application June 20, 1935, Serial No. 27,530
22 Claims. (Cl. 112—158)



1. In a sewing machine, a needle bar, a needle carried thereby, and a mounting for one of said elements by means of which said needle is free to be deflected, by contact with an obstruction in a piece of work, in directions coincident with the line of feed of the work being stitched by said needle and independent of the movement of said work.

2,074,850
GAME BOARD NET
Joseph J. McCullough and William K. L. McCullough, Philadelphia, Pa.
Application December 8, 1936, Serial No. 114,724
4 Claims. (Cl. 273—102)

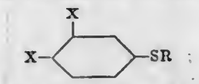
1. A game board net, comprising brackets for attachment to the sides of a game board, each bracket including an upright, a reach arm extending outward from the lower end of the upright at right angles thereto and a leg projecting forwardly from the outer end of the reach arm at right angles to said arm and in the same



plane, and a yieldable small mesh net having hems at each end for projection over the bracket legs.

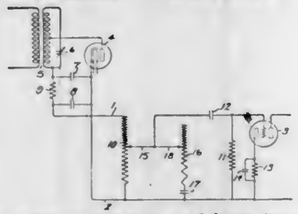
2,074,851
HYDROXYARYL-ALKYL AND ARALKYL SULPHIDES
Ellis Miller, Philadelphia, Pa., assignor to Sharp & Dohme, Inc., Philadelphia, Pa., a corporation of Maryland
No Drawing. Application September 25, 1933, Serial No. 690,944
12 Claims. (Cl. 260—150)

1. Antiseptics having the formula



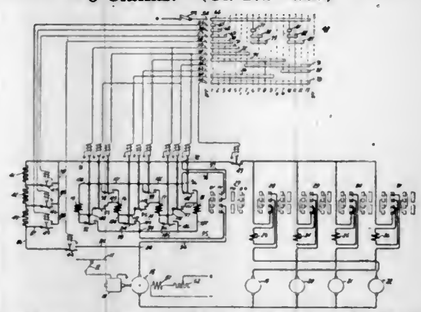
where one X stands for OH and the other stands for hydrogen and R is a member of the group consisting of aralkyl radicals and alkyl radicals containing three or more carbon atoms.

2,074,852
COMBINED VOLUME AND BASS TONE COMPENSATION CONTROL DEVICE
Walter H. Nelson, Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application July 13, 1935, Serial No. 31,274
9 Claims. (Cl. 250—20)



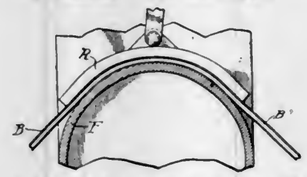
1. In a volume control and bass tone compensation network for audio frequency circuits comprising a source of audio currents requiring a substantially pure resistance load, and an output device responsive to audio frequency electromotive force from said source, the combination of a resistance potentiometer comprising said load, said output device being connected between a fixed point on said resistance potentiometer and a variable point thereon, a second resistance and capacity connected in series between said points, and means whereby upon movement of said variable point along said potentiometer to change the volume of output to said output device said second resistance is simultaneously varied to vary the attenuating effect of said capacity at different volume levels while maintaining the load on said source substantially purely resistive.

2,074,853
CONTROL SYSTEM
Harold S. Ogden, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application May 14, 1935, Serial No. 21,317
8 Claims. (Cl. 172—239)



1. A control system for an electric vehicle comprising a plurality of traction motors having series-connected field windings, a source of energy, a motor-generator set having the motor thereof connected to said source of energy to drive the generator, said generator comprising field and armature windings connected in series circuit relation with each other and with said traction motors for supplying direct-current energy to said motors, means for reversing the connections of said generator field winding and said motor field windings to provide regenerative braking, means for varying the series field excitation of said generator to control the speed of said motors during motoring operation and during braking operation and means including a separately excited auxiliary field winding for said generator for controlling the polarity of said motors and said generator upon the transition from motoring operation to braking operation.

2,074,854
BENT PLYWOOD
Orville R. Owens, Chicago, Ill., assignor to Wells-Gardner & Company, Chicago, Ill., a corporation of Illinois
Application October 27, 1936, Serial No. 107,810
2 Claims. (Cl. 144—309)

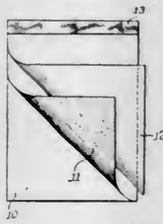


1. The method of bending plywood which comprises the steps of applying an unset adhesive between adjacent inner plies the exterior one of which is slitted to provide a gap, and then applying to the plywood in the region of the unset adhesive a bending force which induces sliding of the exterior ply to narrow the gap, the bending force being maintained for a time sufficient to permit the adhesive to set.

2,074,855
IMPRESSION RECEIVING DEVICE
Jens A. Paasche, Wilmette, Ill., assignor to The Strathmore Company, Aurora, Ill., a corporation of Illinois
Application January 24, 1934, Serial No. 708,037
9 Claims. (Cl. 35—66)

1. An impression receiving device comprising, in combination, a base having a relatively plastic

dark colored material thereon capable of being impressed, and a thin and flexible sheet of normally transparent material superposed on said base and overlying said plastic material, said sheet having a smooth exposed writing surface for engagement by an instrument and having a relatively thin layer of finely divided particles of a substance possessing light reflecting properties



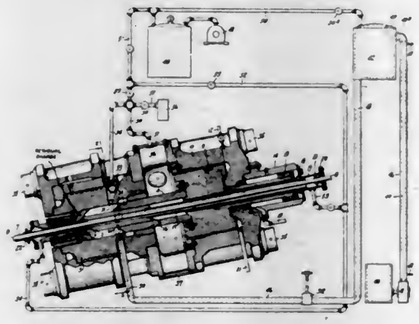
intimately and permanently disposed upon the surface of said sheet which engages the plastic material, said layer being thin enough so that an impression on said flexible sheet presses the underlying particles thereon into the plastic material to eliminate light reflection by the particles and render said material visible through the sheet in the impressed areas.

2,074,856

LEAD EXTRUSION APPARATUS

Carl A. Piercy, Ballston Lake, and Eugene L. Crandall, Scotia, N. Y., assignors to General Electric Company, a corporation of New York

Application May 16, 1935, Serial No. 21,818
8 Claims. (Cl. 207—4)



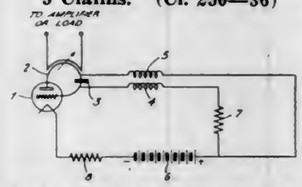
1. In an apparatus of the character described, the combination of a downwardly inclined press cylinder having a filling port in its under side and an overflow port in its upper side at the highest part thereof so that foreign matter floating on the incoming charge will freely pass outwardly therethrough, said overflow port being diametrically opposite the filling port, a sealed chamber in free communication with the overflow port, a conduit for supplying a charge of molten metal to the cylinder through the filling port, extruding dies communicating with the cylinder, a ram in the cylinder which on its working stroke first closes the ports and thereafter forces the metal through the dies, means for evacuating the cylinder and chamber subsequent to the withdrawal of the ram and while the charge is being admitted to the cylinder, and means for actuating the ram.

2,074,857

TRANSMITTER

Dietrich Prinz and Felix Herriger, Berlin, Germany, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application January 6, 1934, Serial No. 705,596
In Germany January 6, 1933
5 Claims. (Cl. 250—36)



5. In combination, an electron discharge device generator having an anode, a cathode and a grid, an oscillatory circuit including a condenser having plates directly connected to said anode and grid, a source of potential having its negative terminal connected to said cathode and its positive terminal connected to said anode, and a high resistance connected between said grid and said positive terminal for providing a protective biasing potential to said grid when the intensity of the electron emission current supplied to said anode changes.

2,074,858

METHOD OF TREATING PHOTOGRAPHS AND THE RESULTING ARTICLE

Alfred C. Raffo, Grantwood, N. J.

No Drawing. Application May 16, 1936, Serial No. 80,142
14 Claims. (Cl. 41—27)

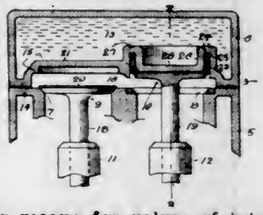
14. The method which comprises subjecting a developed and fixed photograph to a mordanting bath of aluminum sulphate, sodium carbonate and sodium acetate, then coloring the photograph with yellow, red and blue anilin colors, the yellow anilin color being mixed with from four to ten percent by volume of aqua ammonia, the red being mixed with from two to eight percent by volume of aqua ammonia, the blue being mixed with from one to five percent by volume of aqua ammonia, subjecting the photograph to a hardening bath and finally ferrotyping.

2,074,859

INTERNAL COMBUSTION ENGINE

George R. Rich, Battle Creek, Mich.

Application July 3, 1935, Serial No. 29,599
3 Claims. (Cl. 123—177)



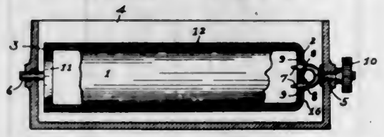
1. Cooling means for valves of internal combustion engines, comprising in combination, a cylinder block having therein a cylinder and a valve opening, a water jacketed cylinder head having a bottom wall providing a passage between the valve opening and cylinder, said bottom wall having a pocket on its lower side, and a valve for controlling said valve opening and guided in the cylinder block, the valve having an upstanding part projecting above the top of its head and arranged to enter said pocket when the valve is unseated.

2,074,860

PROCESS FOR MANUFACTURING CLOSED RECEPTACLES

Aylmer O. Ross, Wilkinsburg, Pa., assignor to Maro Corporation, New York, N. Y., a corporation of New Jersey

Application August 25, 1933, Serial No. 686,742
2 Claims. (Cl. 204—6)



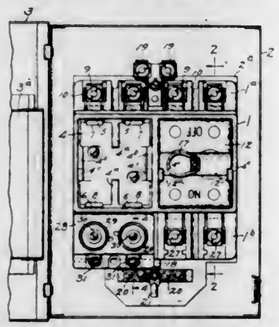
1. The herein described process for the electrolytic formation of a hot water tank, which consists in utilizing a tapered form member having a polished cylindrical surface and supported at one end by a fork-shaped coupling element carrying conduit fittings, in electrolytically depositing copper upon the polished surface of said form member and on said conduit fittings to produce a self-sustaining shell having an open end and a closed end with said conduit fittings fixed in the latter, in removing said shell from said form member and in securing a copper closure member in the open end of said shell, and finally in electrolytically depositing copper on said shell and closure member to provide the wall thickness desired.

2,074,861

ELECTRIC CIRCUIT CONTROLLING DEVICE

Joseph Sachs, West Hartford, Conn.

Application January 30, 1935, Serial No. 4,015
9 Claims. (Cl. 200—114)



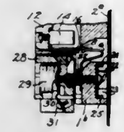
1. In a device of the class described, the combination of an insulating base having a recess open at the front, two electrical contacts near the rear of the base and adjacent opposite ends of the recess, a removable fuse carrier, fuse contacts on the carrier at the rear thereof, conducting prongs on the carrier at the rear thereof and electrically connected with the respective fuse contacts, the said prongs extending rearward into the recess and engaging the contacts on the base when the carrier is upright and faces normally with respect to the base, and means on the base serving when the carrier faces normally but is out of its upright position to prevent the carrier from moving rearward sufficiently to enable the prongs to engage the contacts on the base.

2,074,862

ELECTRICAL DISTRIBUTION DEVICE

Joseph Sachs, West Hartford, Conn.

Original application January 30, 1935, Serial No. 4,015. Divided and this application December 19, 1935, Serial No. 55,291
8 Claims. (Cl. 200—133)



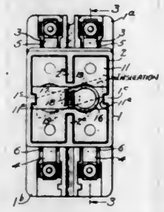
1. In an electrical distribution device, the combination of an insulating base having fuse receiving contacts thereon and having at one end a ledge adapted to support a supplemental fuse block, wire terminals at the opposite end of the base electrically connected with the fuse contacts at the said end, and devices supported by said ledge and having at least a portion thereof accessible from the front of the ledge, the devices being electrically connected with the corresponding fuse contacts and adapted alternatively for the direct electrical and mechanical connection of wire terminals or for the electrical and mechanical connection of a supplemental fuse block.

2,074,863

ELECTRIC CIRCUIT CONTROLLING DEVICE

Joseph Sachs, West Hartford, Conn.

Application January 30, 1935, Serial No. 4,016
10 Claims. (Cl. 200—114)



1. In a device of the class described, the combination of an insulating base having a recess open at the front, two electrical contacts near the rear of the base and adjacent opposite ends of the recess, a removable carrier adapted to be positioned within the recess and having electrically connected contacts thereon adapted to be engaged with or disengaged from the contacts on the base, and a manually adjustable element normally within the recess and serving in one position to permit the carrier to be moved into normal relationship to the base with the contacts thereon engaged with the contacts on the base and serving in another position to prevent the carrier from moving sufficiently to enable the contacts thereon to engage the contacts on the base.

2,074,864

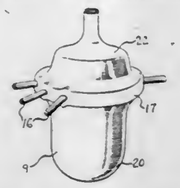
ELECTRON DISCHARGE DEVICE

Bernard Salzberg, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application May 29, 1936, Serial No. 82,453
4 Claims. (Cl. 250—27.5)

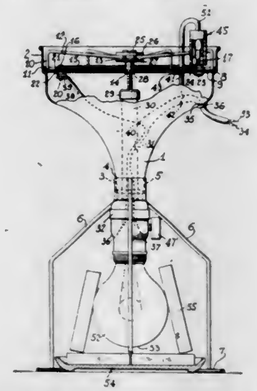
1. The method of assembling an electron discharge device having an envelope provided with

an outwardly extending annular press, and a mount with radial leads extending through and sealed into said annular press, including the steps of forming a pair of cup-shaped members having annular lips, forming radially extending depressions in said lips, assembling the mount



between the cup-shaped members with the depressions in registry and with the leads within said depressions whereby said mount and cup-shaped members can be assembled in only one relationship, and sealing said lips together to form an annular press through which said leads extend.

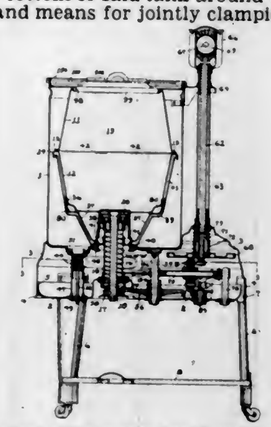
2,074,865
LAMP AND HEATER
Jacob Stuart Scharf, New York, N. Y.
Application May 4, 1932, Serial No. 609,077
11 Claims. (Cl. 219—19)



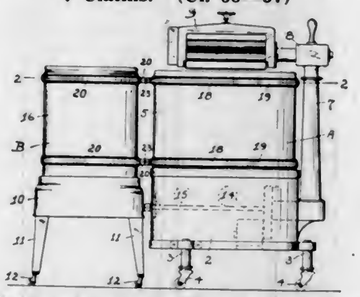
2. An electric lamp having a base, an electric heater mounted within the base, means for supporting the lamp in an inverted position thereby exposing the heater, a switch arranged within the base, said switch comprising a plurality of members operatively connected to the heater, one of said members arranged to project beyond the edge of the base so as to interfere with the normal setting of the lamp when the heater is in operation.

2,074,866
CLOTHES RINSING AND DRYING APPARATUS
Anton C. Schmelzer, Cleveland, Ohio
Application June 11, 1934, Serial No. 730,120
20 Claims. (Cl. 210—71)

1. In a centrifugal dryer a support, a tank mounted on said support having an apertured bottom, a driven shaft extended through said apertured bottom into said tank, a tubular member circumferentially enclosing the extended end of said shaft, a bearing for the end of said shaft supported by said tubing, means on said tubing for connecting same to said support, skirting means encircling said tubing and shaft seated upon the bottom of said tank around the aperture thereof, and means for jointly clamping and sealing said supporting means and skirting means to the bottom of said tank.



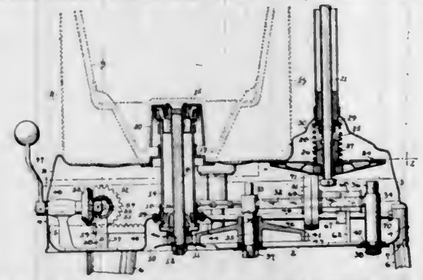
2,074,867
COMBINED WASHING AND DRYING MACHINE
Anton C. Schmelzer, Cleveland, Ohio
Application January 18, 1935, Serial No. 2,368
7 Claims. (Cl. 68—37)



1. The combination with a washing machine having a tub open at its top and an independently supported centrifuge unit having a tub open at its top; of means for rigidly and detachably connecting the upper portions of said washing machine tub and said centrifuge unit tub, said means comprising an elongated unitary top plate having an opening, a downwardly extending flange on said top plate encircling said opening and extended into the open top of said centrifuge unit tub in circumferential contact with the side wall thereof, means rigidly securing said flange on said top plate to said side wall, said top plate having a second opening, a downwardly extending flange on said top plate encircling said second opening and extended into the tub of said washing machine, and clamping means on said top plate radially arranged with respect to said second opening for rigidly clamping said top plate to the top portion of the tub of said washing machine in axial alignment therewith.

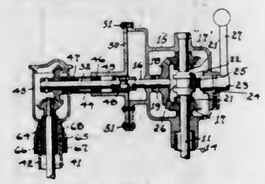
2,074,868
FRICTION DRIVE MECHANISM
Anton C. Schmelzer, Cleveland, Ohio
Application June 7, 1935, Serial No. 25,455
3 Claims. (Cl. 74—200)

1. In a frictional driving mechanism a vertical drive shaft, a cone-shaped rotary member axially slidably and non-rotatably coupled with said drive shaft, a second cone-shaped rotary member having its cone-shaped surface arranged parallel to the cone-shaped surface of said first member axially and non-shiftably mounted on a vertical axis laterally offset with respect to said drive shaft, an intermediate rotary axially and vertically freely shiftable double cone-shaped friction element having its one cone contacting with the conical surface of said first member and its second cone contacting with the conical surface



of said second member, a vertically shiftable horizontally arranged support slidably mounting said friction element, means for yieldingly forcing said first member and said friction element toward said second member, means for axially shifting said friction element upon its support without interfering with the vertical movement of said support, and means for limiting the vertical downward movement of said support, when said friction element is in a predetermined position with respect to said second member.

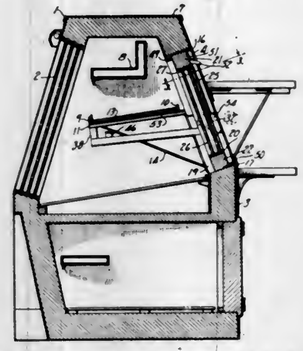
2,074,869
METHOD AND APPARATUS FOR COUPLING A WASHING MACHINE WITH A CENTRIFUGAL DRIER
Anton C. Schmelzer, Cleveland, Ohio
Application June 7, 1935, Serial No. 25,456
8 Claims. (Cl. 210—71)



1. In a coupling between a wringer-type washing machine and a centrifugal drier driven means on said drier, means for coupling said driven means with the wringer supporting gear box of the washing machine, and means connected to and laterally extending from said wringer gear box for holding said driven means in alignment with said wringer gear box.

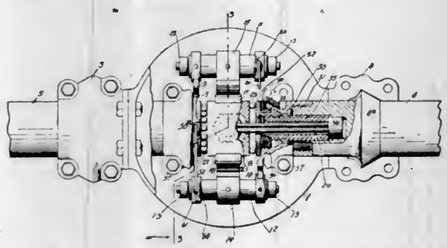
2,074,870
REFRIGERATOR
Raymond H. Starr and Clarence Masters, Kansas City, Mo., assignors to Koch Butchers Supply Company, North Kansas City, Mo., a corporation of Missouri
Application January 4, 1935, Serial No. 354
4 Claims. (Cl. 312—189)

1. A refrigerating cabinet having a rectangular shaped door opening and provided with a cooling element spaced from one horizontal edge of the door opening, a door normally closing said opening and having inner and outer panels, trunnions on opposite side edges of the door, trunnion guides in the cabinet, and means supporting the trunnions for pivoting the door whereby the horizontal edge adjacent the cooling element swings outwardly and the opposite edge inwardly to align-



ment with the plane of said guides for sliding support thereon and to present the inner panel to direct contact with the cold air circulating about the cooling element and the outer panel out of direct contact with said cold air when the door is opened and slid into the cabinet on said guides.

2,074,871
PROPELLER
William J. Symons, Santa Monica, Calif., assignor to Helen W. Symons, West Los Angeles, Calif.
Application March 18, 1932, Serial No. 599,716
9 Claims. (Cl. 170—163)

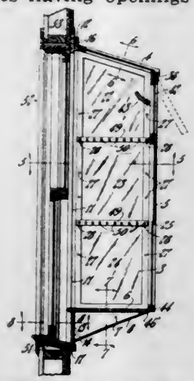


1. In a propeller, means for varying the propeller pitch angle during flight, uninterrupted means for interconnecting the propeller blades to resist the centrifugal force tending to separate the blades, means externally accessible for adjusting the tension of said interconnecting means to resist such force until a predetermined pressure is attained, and means for clamping the blades in adjusted position axially and radially upon yielding to such predetermined pressure.

2,074,872
WINDOW CONSERVATORY
Harry Thorin, Monson, Mass.
Application March 5, 1936, Serial No. 67,237
5 Claims. (Cl. 47—40)

3. A window conservatory comprising, a main frame, having top and bottom rails and side stiles all in the same plane, side sashes detachably secured to the side stiles of the main frame, a roof sash, a front sash detachably secured to the side sashes and roof sash, a bottom panel for engaging the window sill, and means for detachably

securing the main frame to the window frame, the side sashes having openings in their stiles,



pins in said openings, and plant-receiving shelves supported on the pins.

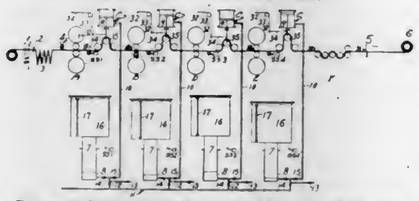
2,074,873

CONTINUOUSLY TENSIONED TANDEM COLD MILL TRAIN

John B. Tytus and Edwin B. Hudson, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application July 21, 1933, Serial No. 681,618

13 Claims. (Cl. 80—35)



1. In a rolling mechanism the combination of interspaced driven mills, a pulling device located between said mills, and static tension maintaining devices located between each mill and said pulling device, each said static tension device adapted to control the speed of an adjacent mill, or pulling device respectively and means irrespective of said automatic control for varying the overall speed of each of said mills and said puller concurrently.

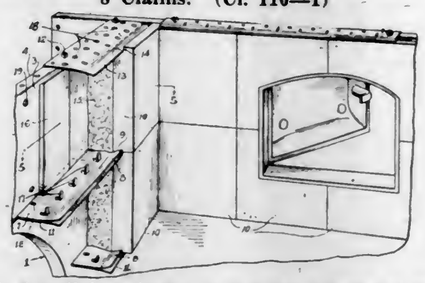
2,074,874

BOILER AND SMOKE BREECHING CASING

Werner George Vogel, Louisville, Ky., assignor to Henry Vogt Machine Co., Louisville, Ky., a corporation of Kentucky

Application October 19, 1934, Serial No. 749,119

8 Claims. (Cl. 110—1)



1. A wall for a boiler, or the like, formed of sections, each section comprising a sheet metal panel, plates extending substantially perpendicular to said panel from opposite ends thereof, and a slab of refractory material detachably secured at its opposite edges to the outer ends of said plates the plates of each panel being movable, relative to the plates extending from the ends of the adjacent panel, and at least one of the plates extending from a panel being fixedly secured thereto.

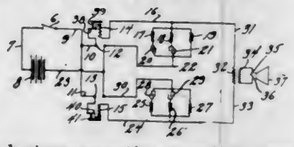
2,074,875

SYNTHETIC TONE SIGNAL

Frederick Von Voigtlander, Adrian, Mich., assignor to Schwarze Electric Company, Adrian, Mich., a corporation of Michigan

Application June 2, 1933, Serial No. 674,070

2 Claims. (Cl. 177—7)



2. An electromagnetic sounding system comprising a diaphragm horn circuit, a pair of electromagnetic interrupters having different predetermined fundamental frequencies, a filter for each of the above interrupters, each filter having a relatively high impedance to currents of the fundamental frequency of its associated interrupter and connected across said interrupter, an additional circuit across each interrupter including in series said horn circuit and the filter connected across the other interrupter, a current source and means to connect said source to the electromagnetic interrupters in parallel.

2,074,876

METHOD AND COMPOSITION FOR PREVENTING FLAT TIRES

Hans Paul Wagner, Brooklyn, N. Y., assignor to The Autosan Corporation of America, New York, N. Y., a corporation of New York

No Drawing. Application March 2, 1935, Serial No. 9,017

2 Claims. (Cl. 134—17.5)

2. A puncture sealing compound for use in pneumatic tires formed by mixing one part by weight of a mixture consisting of the following ingredients in approximately the proportions stated: Comparatively large mica flakes 18%, more finely divided mica 36%, granulated soft cork 13½%, cellulose ester 32½% with 2.4 parts by weight of a liquid consisting of water containing sufficient glycerin to prevent freezing in winter, the liquid and cellulose ester forming a viscous coating for the mica flakes.

2,074,877

PRESSING MACHINE

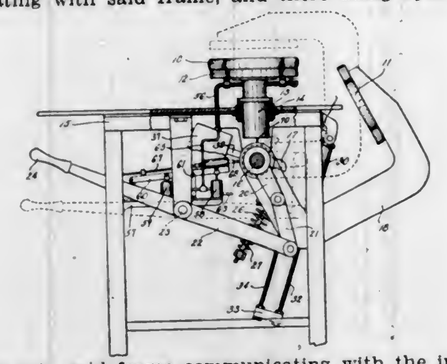
Frank M. Watkins, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Application September 22, 1934, Serial No. 745,157

30 Claims. (Cl. 38—21)

1. In a press of the class described, a buck expansible by fluid pressure, a chest, means for positioning said chest spaced from said buck, means for moving and holding said buck in position adjacent said chest, and means for expanding said buck into engagement with said chest.

13. A pressing element comprising a tubular frame shaped to the desired periphery of said element, a closed flexible fluid-tight bag enclosing said frame, a fluid supply conduit communicating with said frame, and there being open-



ings in said frame communicating with the interior of said bag.

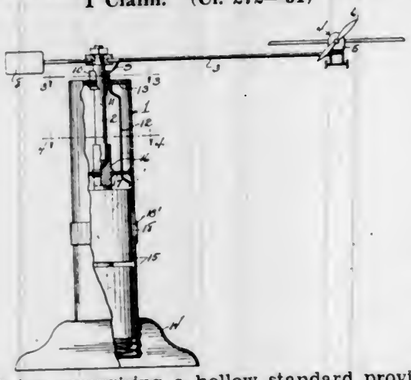
2,074,878

AEROPLANE TOY

Fritz Wilhelm Weber, Aruba, Dutch West Indies

Application March 30, 1936, Serial No. 71,793

1 Claim. (Cl. 272—31)



A toy comprising a hollow standard provided with a threaded lower end, a base having a threaded standard receiving portion, an electrically operated aeroplane, a supporting arm secured to said aeroplane, an insulating plate secured to the top of the standard, a shaft secured at one end to said arm and extending downwardly through said plate, a second insulating plate carried by the standard spaced downwardly from said first plate, a combined shaft bearing and terminal carried axially by said second plate, the inner end of said shaft rotatably engaging said bearing, a pair of dry cells in said standard below said second plate, one of said cells contacting with said bearing to thereby complete one side of a circuit from said dry cells to said aeroplane, and means carried by said standard and said arm forming the other side of said circuit.

2,074,879

COMBINED SOCKET AND REFLECTOR

John Weritz, Cicero, Ill.

Application September 11, 1935, Serial No. 40,183

4 Claims. (Cl. 240—6)

1. In a fixture of the character described an elongated insulation body, having an end face and an outer face and having a contact set in one, means to form electrical connection therewith, a receptacle pivoted on the body to swing from juxtaposition with one face toward the other, a resilient wiper on the receptacle having movement toward and away from the axis of the pivot and including resilient means to press the wiper on the contact, and a second contact on the body spaced from the first and adjacent said axis, a contact on the receptacle to lie beside the second contact on the body, said two last named contacts including resilient means to bear them together



in a direction parallel to said axis, and being of an extent to remain in lapping contact throughout movement of the receptacle, said wiper having a prominence thereon to engage the angularity between the first named two faces to oppose movement of the receptacle on its pivot at certain stages of its movement, and electrical connections for said contacts on the body.

2,074,880

MOLECULAR ADDITION COMPOUND OF CALCIUM SULPHATE AND UREA

Colin W. Whittaker and Frank O. Lundstrom, Washington, D. C., dedicated to the free use of the Public in the United States of America

No Drawing. Application March 20, 1935, Serial No. 11,968

1 Claim. (Cl. 260—125)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The process of producing $CaSO_4.4CO(NH_2)_2$ which comprises reacting mixtures consistsing of calcium sulphate dihydrate and urea in a saturated aqueous urea solution.

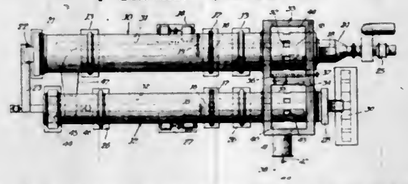
2,074,881

APPARATUS FOR PREHEATING COAL BEFORE COKING

Albin Gottlieb Witting, Gary, Ind.

Application September 21, 1934, Serial No. 745,002

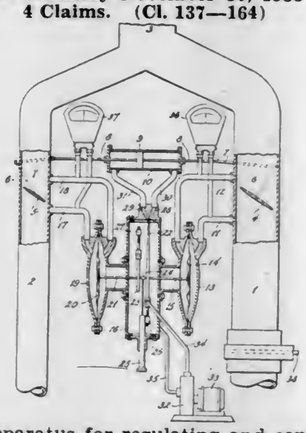
7 Claims. (Cl. 34—6)



4. In a drying apparatus of the character described, in combination, a pair of cylinders comprising a drier and a heater, means mounting said cylinders for rotation to cause progression of the material delivered thereto through the cylinders, a housing providing compartments enclosing a portion of the cylinders respectively,

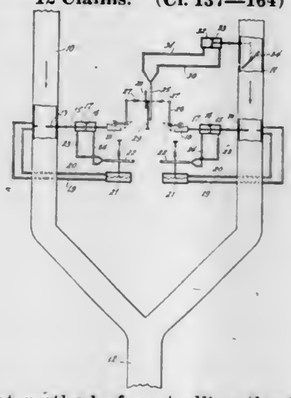
means delivering hot gases to each of said compartments, and valve means for permitting the gases to flow from one compartment to the other.

2,074,882
PROPORTIONING CONTROL APPARATUS AND METHOD OF CONTROLLING THE OPERATION THEREOF
Guido Wünsch, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau, a corporation of Germany
Application October 30, 1934, Serial No. 750,700
In Germany November 30, 1933
4 Claims. (Cl. 137—164)



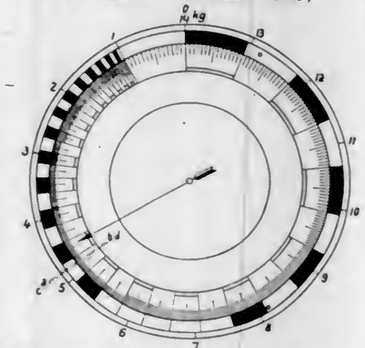
1. In apparatus for regulating and controlling the flow of separate media passing through conduits, movable restricting means in each of the conduits; means connecting said restricting means to operate simultaneously; and a regulator operable by differential pressures in either of the conduits connected to control the movements of said restricting means.

2,074,883
METHOD OF AND APPARATUS FOR CONTROLLING THE FLOW OF FLUIDS
Herbert Ziebolz, Chicago, Ill., and Guido Wünsch, Berlin-Steglitz, Germany, assignors to Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau, a company of Germany
Application February 17, 1936, Serial No. 64,378
12 Claims. (Cl. 137—164)



1. That method of controlling the flow of two separate fluids under pressure passing through conduits and adapted to be mixed, which is characterized by passing the fluids through variable orifice plates in the respective conduits; maintaining the differential pressures on opposite sides of the respective orifices substantially constant by varying the sizes of the orifices; creating governing impulses by the movement of the variable orifice plates which are a function of the rates of flow through the orifices; and applying said governing impulses to maintain a predetermined ratio between quantities of the fluids delivered through the orifices.

2,074,884
SCALE
Georg Beisser, deceased, late of Hamburg-Rahlstedt, Germany, by Charlotte Beisser, administratrix, Hamburg-Rahlstedt, Germany
Application July 25, 1933, Serial No. 682,156
In Germany June 24, 1930
4 Claims. (Cl. 116—129)

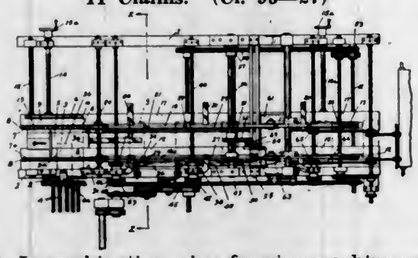


1. Apparatus for determining those varying quantities of pickling brine which are to be supplied to pieces of meat of varying weight in order to preserve the meat, comprising a weighing device consisting of means for supporting the material to be weighed, the weight scale and a pointer indicating the weight, and also comprising means, whose distance, from the said weight pointer in the position in which said weight pointer indicates the weight of the piece of meat before the introduction of the brine, automatically corresponds to the weight which is to be supplied to the weighed piece of meat in order to preserve the same, said last named means being stationary at least during the introduction of the brine, said stationary means being adapted to indicate the weight of brine to be added, said scale being divided into zones, graduation marks in each of the said zones, the distance of the graduation marks of each zone from the graduation marks of the next zone corresponding to the weight of the brine which is necessary for preserving that piece of meat whose weight is indicated by the graduation marks of the first zone.

2,074,885
CARBON BODY
Harry Bender, Antioch, Calif., assignor to Great Western Electro-Chemical Company, a corporation of California
No Drawing. Original application September 17, 1934, Serial No. 744,337. Divided and this application March 15, 1935, Serial No. 11,251
8 Claims. (Cl. 91—68)

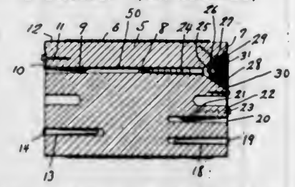
1. A method for reducing the porosity of a carbon body comprising establishing a flow of a dilute silicate solution through said body and increasing the concentration thereof until finally a concentrated solution is employed.

2,074,886
MACHINE AND METHOD FOR MAKING TUBULAR CONTAINERS
Samuel Bergstein, Cincinnati, Ohio
Application February 12, 1931, Serial No. 515,275
11 Claims. (Cl. 93—27)



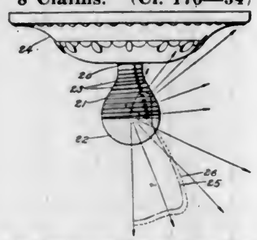
1. In combination, a bag forming machine comprising means in continuous operation to seal collapsed tubes by double folding each tube at one of its ends, said means consisting of conveying means, scoring means, preliminary folding and pressure means, adhesive applying means, secondary folding and pressure means, said folding and scoring means effective in sequence on each tube at its end while being conveyed through said machine.

2,074,887
MIDGET RADIO RECEIVER
Paul S. Beshore, Kearney, Nebr.
Application March 5, 1936, Serial No. 67,391
5 Claims. (Cl. 250—14)



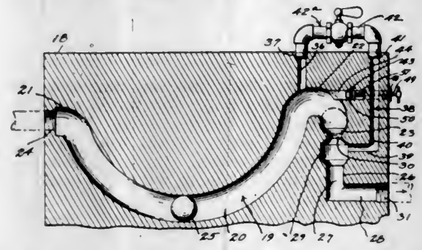
1. In a radio receiver, a body having the property of insulation, a tuning coil on the body, a strip of insulation and a metallic strip disposed across the coil and having their ends secured to the body, and a contactor held against the metallic strip and shaped to engage with the coil for tuning purposes.

2,074,888
LUMINOUS REFLECTING LAMP
Clarence Birdseye, Gloucester, Mass., assignor to Birdseye Electric Corporation, Dover, Del., a corporation of Delaware
Application August 7, 1936, Serial No. 94,760
8 Claims. (Cl. 176—34)



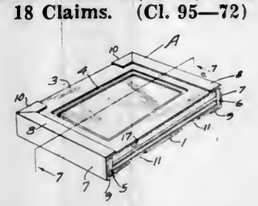
8. An incandenscent lamp having a bulb provided on a part of its inner surface with a reflecting coating apertured to transmit light, and roughened on its outer surface over the apertures in the coating and over the adjacent area.

2,074,889
COMPENSATING VOLUME CONTROL SAFETY DEVICE
Eldred B. Brannan, Alcova, Wyo., assignor of twenty-five per cent to David H. Dunham and twenty-five per cent to George L. Niles, both of Alcova, Wyo.
Application May 16, 1936, Serial No. 80,161
3 Claims. (Cl. 303—84)



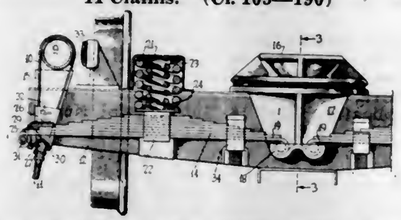
1. A safety device for the purpose set forth comprising a valve chamber adapted for interposition between the leading and follower section of a pressure conducting line and formed of an intermediate stretch, a front end stretch constituting an intake and a rear end stretch constituting an outlet, said rear end stretch having its rear end formed to provide a valve seat, said front and rear end stretches opening respectively into leading and follower sections of the pressure conducting line, a shiftable ball valve loosely mounted in said chamber and shiftable in a direction on a reduction of pressure in the follower section of said line to engage said seat to close said chamber to the said follower section, a valve controlled by-pass opening into said rear end stretch and into said follower section, and a spring controlled manually adjusted stop extending into said rear end stretch for normally arresting the shifting of the valve from its seat into said intermediate stretch.

2,074,890
PHOTOGRAPHIC PACK
Herman Casler, Canastota, N. Y.
Application November 22, 1935, Serial No. 51,164
18 Claims. (Cl. 95—72)



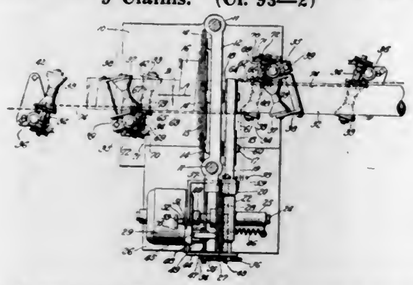
1. A photographic pack comprising an envelope having an opening in one side, means for supporting a light-sensitive element within the envelope across said opening whereby the same may be exposed therethrough, a shutter slidable within said envelope to and from a position across the opening and light-sensitive element, in combination with mechanical means for opening and closing the shutter, said mechanical means including a relatively stiff member fixedly secured to said shutter and projecting beyond one edge thereof.

2,074,891
RAIL CAR TRUCK
Walter B. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application January 27, 1934, Serial No. 708,557
11 Claims. (Cl. 105—190)



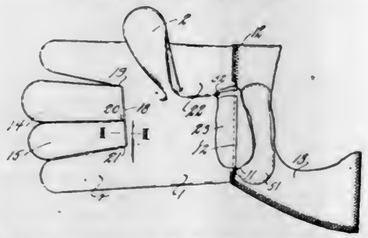
1. In a railway truck, journal boxes, a pair of swinging side beams each journaled in and between a pair of said journal boxes each on one side of the truck, a bolster beam, and leaf springs serving as lateral thrust transmitting means connecting the bolster beam with the said swinging side beams.

2,074,892
WRAPPING MACHINE
Jasper Derry, Medford, Mass., assignor to Terkelsen Machine Company, Boston, Mass., a corporation of Massachusetts
Application October 29, 1936, Serial No. 108,187
9 Claims. (Cl. 93—2)



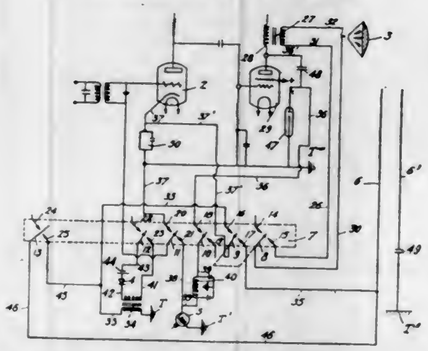
1. A wrapping machine having a rotary annular shuttle provided with means for applying a wrapping strip to an article passed therethrough, means for rotating said shuttle, and mechanism for feeding a cylindrical object axially through said shuttle and simultaneously rotating the same about its axis.

2,074,893
GLOVE
Carl L. Dunn, Trion, Ga.
Application November 7, 1934, Serial No. 751,845
3 Claims. (Cl. 2—169)



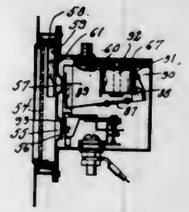
1. A glove comprising a palm, a thumb and index finger integral with the palm, said palm having a wristwardly inclined upper edge extending from the base of the index finger for substantially two digits widths, said index finger being slit at its base as a continuation of the inclined upper edge of the palm, said slit being aligned with the inclined upper edge of the palm forming a half side for the index finger, additional front means for other finger fronts, straightaway stitching connecting said additional front means to said inclined upper edge of the palm, back means for the additional front means approximating the width of the front means, and additional stitching connecting the front and back means approximating midposition front to back of the fingers.

2,074,894
RADIO-PHONO-TELEPHONIC SYSTEM
Louis Paul Durand, Paris, France
Application January 8, 1935, Serial No. 915
In France January 9, 1934
11 Claims. (Cl. 179—100.11)



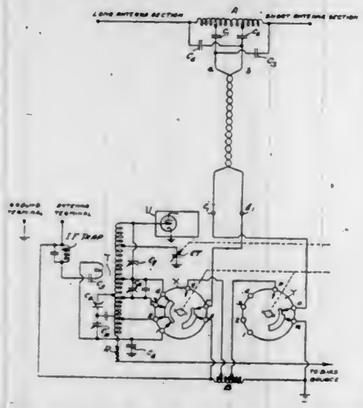
1. A radio-phono-telephonic system for use in connection with a telephonic line which comprises, in combination, a loud speaker, a microphone, a pick-up, a radio receiver, an amplifying tube, having a control grid and a cathode, and means for selectively forming circuits for said elements operative to lead the input to the grid of said tube in the case of high frequency currents in radio operations and in pick-up operations without the microphone, and to the cathode of the tube in telephonic operations.

2,074,895
INDICATOR
John D. Durant, Adrian, Mich., assignor to Schwarze Electric Company, Adrian, Mich., a corporation of Michigan
Application May 25, 1933, Serial No. 672,863
3 Claims. (Cl. 177—311)



1. For an internal combustion engine for a motor vehicle having an electrical system and a lubrication system including a pump for building up oil pressure in the lubrication system, comprising a pressure responsive circuit closer, an electric circuit controlled by said circuit closer, an indicator comprising a coil, a core member for said coil, an armature for the coil, an indicator plate attached to said armature and visible to the operator of the vehicle, said coil being connected to said electric circuit whereby when said circuit closer is in circuit closing position the armature will be attracted into contact with said core, the armature being intermittently attracted in response to intermittent operation of the circuit closer to give an intermittent visual and audible signal upon substantial depletion of the oil supply.

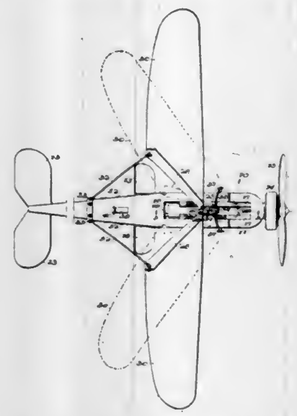
2,074,896
ANTENNA SYSTEM FOR MULTIBAND RADIO RECEIVERS
David P. Earnshaw, Philadelphia, Pa., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 21, 1935, Serial No. 55,647
In Great Britain December 24, 1934
6 Claims. (Cl. 250—20)



5. In a multi-band radio receiving system, an antenna, a two conductor transmission line, coupling means between said antenna and said transmission line for transferring signals in a plurality of frequency bands from said antenna to said transmission line, an amplifier including a space discharge device and a tunable input circuit for said device, means for transferring signals from said transmission line to said input circuit, switching means for modifying said input circuit to select signals in any one of said plurality of frequency bands, and switching means associated with each conductor of said transmission line and operable simultaneously with said first switching means for modifying the connection of said line to said signal-transfer means to effect efficient transfer of signals in the selected frequency band.

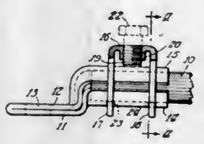
2,074,897
AEROPLANE
Walter W. Everts, Baltimore, Md., assignor to Everel Products Corporation, Baltimore, Md., a corporation of Maryland
Application October 10, 1936, Serial No. 105,109
9 Claims. (Cl. 244—49)

1. In an aeroplane, a fuselage, wings having inner ends attached to the fuselage and also free ends, means to move the attached ends of the wings in rectilinear lines longitudinally of the



fuselage, and means to move the free ends of the wings laterally of the fuselage.

2,074,898
CONNECTION TERMINAL
William G. Fotsch, Chicago, Ill., assignor to Reliable Electric Co., Chicago, Ill., a corporation of Illinois
Application November 13, 1933, Serial No. 697,750
4 Claims. (Cl. 173—269)

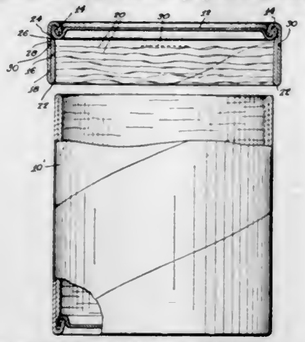


1. A connector of the character described adapted for association with a rounded conductor comprising an arched jaw of substantial area, a yoke member having a pair of spaced apart leg portions having aligned openings therein through which said conductor extends and through which said jaw extends, cooperating means on said leg portions and said jaw comprising stops thereon limiting rotational movement of the jaw relative to said leg portions when said jaw is positioned in said leg portions, and screw threaded clamping means extending through the base of said yoke clamping said jaw to the conductor.

2,074,899
CONTAINER MADE OF PAPER
Marshall E. Gazette, Boston, Mass., assignor to Boothby Fibre Can Company, Boston, Mass., a corporation of Massachusetts
Application December 9, 1933, Serial No. 701,633
4 Claims. (Cl. 229—5.5)

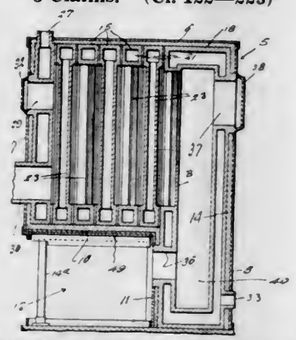
1. A closure cap of paper for a container, comprising a disk with annular, double-sheet-thick cylindrical flange whose inner limb is an integral continuation of the outer limb, turned inward and laid against said outer limb; there being a thin passage, around the end of said inturned limb of flange, to the annular crack between the two

limbs of flange, and a vent through the outer limb of the flange, whereby gases under pressure



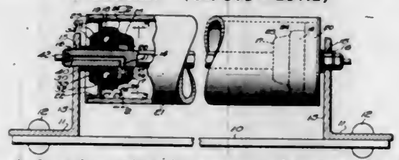
within a capped container may escape to atmosphere.

2,074,900
BOILER
William F. Gerhardt, Richmond, Va.
Application February 5, 1936, Serial No. 62,534
3 Claims. (Cl. 122—225)



1. In a boiler of the class described, a casing having a burner compartment in the bottom thereof, a heat exchange device arranged within the casing and comprising a plurality of hollow substantially rectangular sections arranged above the burner compartment, said sections including a pair of end sections and a plurality of intermediate sections, said intermediate sections and one of said end sections respectively having spaced hollow baffles connecting the top and bottom sides thereof, said intermediate sections and said one section being substantially of frame like form, and the other of said end sections being in the form of a hollow plate, said intermediate section and the first named end section being so arranged relative to one another as to have the baffles of one of said sections staggered with respect to the baffles of the next adjacent one of said sections, means connecting said sections in communication one with the other to provide for a flow of water successively through the sections, and the first named end section having integral therewith a combustion chamber having inner and outer spaced walls providing a water chamber connected with and communicating with said first named end section, said combustion chamber extending downwardly to one side of the burner compartment and opening into said burner compartment, inlet means for the space between the walls of the combustion chamber, and outlet means connected with the second named end sections whereby to provide for a circulation of water through the space between the walls of the combustion chamber and through the sections of the heat exchange device, the arrangement being such that the water circulating through the heat exchange device will be heated by the products of combustion passing from the combustion chamber and circulating about the baffles of said section.

2,074,901
GREASE RETAINING DEVICE
Henry R. Gotthardt and Edward C. Logan, Louisville, Ky., assignors to Logan Co. Inc., Louisville, Ky., a corporation of Kentucky
Application January 31, 1935, Serial No. 4,386
3 Claims. (Cl. 308—187.1)



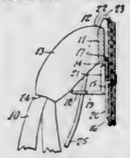
1. A bearing structure comprising a shaft, a roll surrounding said shaft, a cup having an annular wall snugly fitting within the end of said roll, said cup inwardly of said annular portion being tapered to decrease in size away from said annular portion and terminating in an inwardly extending radial flange having an axial opening through which said shaft extends, bearing means arranged between said shaft and the annular portion of said cup, a sealing member arranged in said cup between said bearing means and said radial flange, said sealing member having a radial flange portion provided with an opening corresponding in shape and size to said shaft to slidably receive the latter and being further provided with a tapered flange portion increasing in diameter toward its free end, the smaller end of said tapered flange substantially fitting within the smaller end of the tapered portion of said cup and being tapered to a less degree than the latter, and means for supplying lubricant under pressure to the interior of said sealing member.

2,074,902
AUTOMATIC VEHICLE CONTROLLING APPARATUS
Walker Coleman Graves, Jr., San Francisco, Calif.
Application August 10, 1936, Serial No. 95,290
7 Claims. (Cl. 246—125)



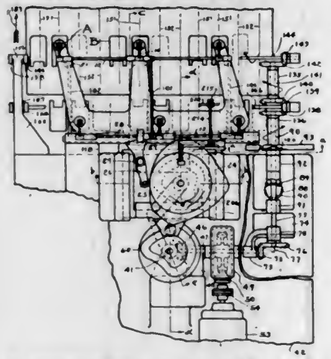
1. In a traction controlling structure for use relative to railroad crossings, a traction controlling structure adapted to be located in a roadway or street leading to the crossing and positioned adjacent to one side of the latter, said structure adapted to be traversed by the vehicle when traveling towards the crossing and including revolubly supported spring separable stop elements and a non-rotatable member, said elements and member being provided with coacting interlocking means, said elements being normally interlocked and said member being normally interlocked with one of said elements, said elements extending end to end transversely of the road on a horizontal axis, said elements providing when interlocked, a traction surface for the vehicle and when released for the independent revolving of said elements to prevent traction to the vehicle thereby stopping the latter, a mechanism shiftable in one direction to cause the interengaging and interlocking of said non-rotatable member and said elements and in the other direction to release said elements to permit their independent revolving, means under the control of a railroad train, when the latter approaches the crossing, for actuating the said mechanism in the said other direction to release said elements, and means under the control of the railroad train, after the latter passes the crossing, for operation of said mechanism in a direction to provide for the interengaging and latching of said elements, said traction-controlling structure being of such length as to materially reduce the speed of a vehicle moving thereon before reaching the exit end of the structure.

2,074,903
TIE LOCK
Norman C. Hampton, Portland, Oreg.
Application December 27, 1935, Serial No. 56,327
6 Claims. (Cl. 24—56)



1. A tie lock consisting of a forked member adapted to be hung from a collar button and having a tie knot support extending forwardly therefrom below said button and above the lower open ends of the fork.

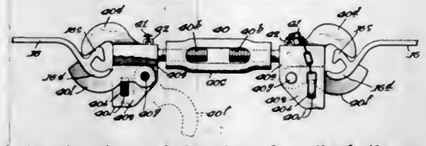
2,074,904
METHOD AND MACHINE FOR FORMING PRETZELS
George H. Hartman and John S. Burden, Cleveland, Ohio
Application August 7, 1933, Serial No. 684,046
17 Claims. (Cl. 107—8)



2. In a mechanism of the class described for forming pretzels having a twisted loop formation, a receptacle, means to deposit a dough blank upon the receptacle, the said depositing means being guided to partly shape the said pretzel and to permit the end of the dough blank last deposited to fall thru the previously formed portion of the pretzel, and means to then elevate the said blank end into contact with the said previously formed portion to complete the twisted loop formation.

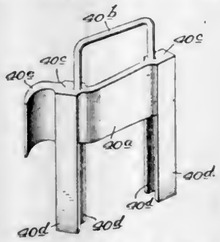
15. The method of making a pretzel which comprises forming dough into a strip of desired cross-section, shaping said strip to form a loop, then shaping said strip to form a second loop adjacent thereto, passing the strip through the first mentioned loop, and then bringing said strip to said second mentioned loop.

2,074,905
CLAMP FOR SHEET PILING
August H. Hausler, Chicago, Ill.
Original application May 14, 1934, Serial No. 725,491. Divided and this application April 20, 1935, Serial No. 17,401
15 Claims. (Cl. 61—60)



1. In structure of the class described, the combination of a plurality of series of interlocking sheet piles, the piles of each series being assembled as a unit, an intervening interlocking pile, and elongated detachable spacing means including adjustable jaw members at the ends thereof engaging and conforming to the shape of the edges of the end piles of adjacent series for spacing said series apart to receive said intervening interlocking piling.

2,074,906
GUIDE FOR USE IN DRIVING SHEET PILING
August H. Hausler, Chicago, Ill.
Original application May 14, 1934, Serial No. 725,491. Divided and this application April 25, 1935, Serial No. 18,152
10 Claims. (Cl. 61—60)

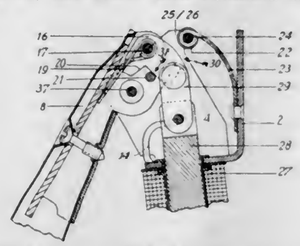


1. The combination with a sheet pile having a portion of its edge adapted to interlock with another sheet pile, of a guide member having parts straddling the end of said first-named sheet pile and having a flange extending adjacent said edge of said first-named sheet pile to guide said other sheet pile into engagement with said edge portion.

2,074,907
DIRECTION INDICATOR
Rudolf Heinemann, Berlin, Germany
Application October 18, 1933, Serial No. 694,118
In Germany October 22, 1932
1 Claim. (Cl. 177—329)

In a direction indicator for vehicles, a solenoid, bracket supporting means at the lower end of the solenoid, a bracket at the upper end of the solenoid, means for attaching said bracket to the solenoid, said bracket having bearing walls extending away from the end of the solenoid, a signal arm pivoted in said walls and normally lying substantially parallel to said solenoid and extending beyond its pivot, a lever pivoted to said arm near its end and normally extending substantially at right angles to the axis of the solenoid and having a rounded free end, means between said arm and said lever permitting limited movement of the latter with respect to the

former, a solenoid core, means connecting said core with said lever near its end, a roller, spring means for mounting said roller on said upper bracket so as to press the roller toward the end of the arm, the roller and rounded end of said



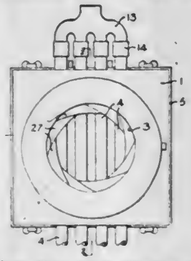
lever being so located that in the normal position of the signal the roller will tend to press the lever end upwardly and provide an abutment preventing movement of the signal arm toward signaling position.

2,074,908
NECKTIE
Arthur Hediger, Zurich, Switzerland
Application September 7, 1935, Serial No. 39,651
In Switzerland February 19, 1935
1 Claim. (Cl. 2—150)



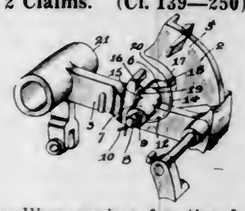
A necktie with a knot of the type as formed by the wearer, consisting of a strip of material and a guide formed at the knot at the middle of the strip, said guide being adapted to receive the free end of the strip after it has been passed around the neck of the wearer, the portion of the strip above the guide being wound spirally upon itself, while the middle portion is repeatedly wound upon itself so as to constitute a stiff core, the spirally wound portion being bent so that it lies adjacent said core, stitching securing the spirally wound portion to the stiff core, the strip being wound around the two secured portions to complete the knot.

2,074,909
ACTIVATION DEVICE FOR THE HELIO-PYRETIC TREATMENT OF MATTER
Maximilian L. Herzig and Frances R. Herzig, Puyallup, Wash.
Application November 16, 1936, Serial No. 111,102
3 Claims. (Cl. 128—395)



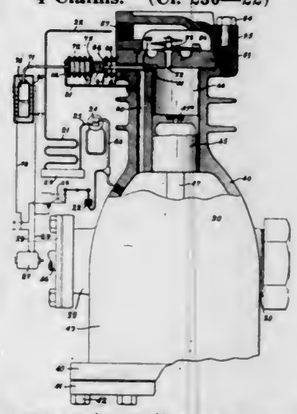
1. In a device for exposing a fluid to radio-active influence, the combination with a frame; a plurality of parallel radio-active penetrable tubes mounted in said frame and adapted to convey the fluid to be treated across the field of radio-active rays; and a reflector adjustably and removably mounted in said frame and comprising a polished metal plate of general cylindrical form with corrugations therein.

2,074,910
SPRING CONTROLLED FEED PAWL
Arthur W. Hilton, Marion, N. C.
Application October 19, 1936, Serial No. 106,450
2 Claims. (Cl. 139—250)



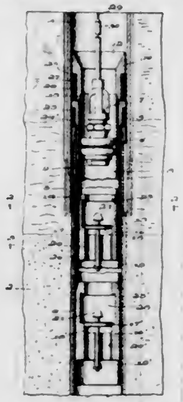
1. A controlling spring for the feed pawls of a battery feed for looms, said spring being formed from a single length of spring wire, said wire being bent to form an upstanding resilient open loop portion having a closed bottom and a pair of sides, one of said sides being of greater height than the other, said wire being bent to form an angle-shaped resilient clamp at and extended substantially at right angles to the upper end of that loop portion side of smallest length for anchoring the latter, and said wire being bent to form an angle-shaped resilient clamp at and extended substantially at right angles to the upper end of that loop portion side of greatest length for anchoring the latter, the clamp at the upper end of the loop side of greater length being arranged above said other clamp.

2,074,911
REFRIGERATING APPARATUS
Harry B. Hull, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application May 30, 1930, Serial No. 457,580
4 Claims. (Cl. 230—22)



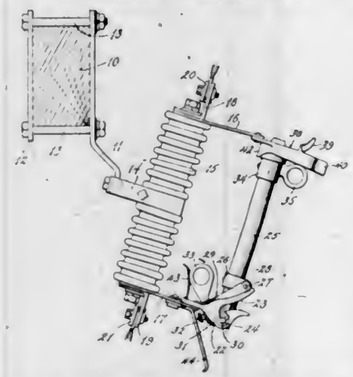
1. In a compressing unit, a compressor, a motor for operating the compressor, a switch for starting and stopping said motor, means for maintaining said compressor in an unloaded condition until after the starting period of said motor, said means including a valve, and thermal means for actuating said valve after the starting period of said motor, said thermal means including an electric heating element controlled by said switch.

2,074,912
WELL
Charles H. Hutto, Lubbock, Tex.
Application April 13, 1935, Serial No. 16,242
10 Claims. (Cl. 103—179)



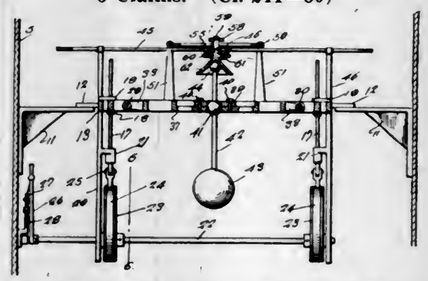
1. A well comprising a casing extending from the surface of the field to a level only near to but above the level of the fluid bed for passage of the pumped fluid to the surface, a pump within the well extending to a level within the limits of the fluid bed for pumping the fluid from the bed into and through the casing, a container to close the lower end of the casing so constructed as to prevent the passage of fluid from the casing into the fluid bed independent of the presence or absence of the pump and to permit the passage of fluid from the fluid bed to the casing, said pump being so positioned relative to the container that it may be removed from the well without causing the container to release the column of fluid in the casing for passage from the casing into the fluid bed.

2,074,913
DROP-OUT FUSE
Tomlinson Fort Johnson, Atlanta, Ga.
Application May 6, 1935, Serial No. 20,106
9 Claims. (Cl. 200—116)



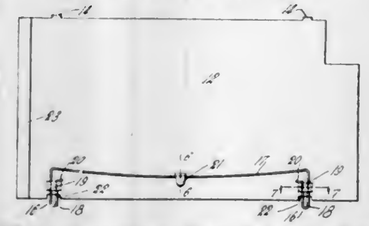
1. A drop out fuse of the character described comprising, in combination, an insulator; a support secured to the insulator intermediate its ends; approximately parallel, flat spring arms rigidly secured to the opposite ends of the insulator; contact and hinge members secured to the respective spring arms; a fuse unit pivotally mounted on one of said members and adapted to force both of said spring arms apart when it is swung to circuit closing position; a pivoted link member on the hinged end of said fuse unit; and a fuse element secured at its end to said link member and maintained under tension by the spring pressure of said arms; said link member being free to swing when the fuse element blows initially to release the fuse unit and the entire unit being then free to swing to its open position.

2,074,914
AEROPLANE CONTROL MECHANISM
Carl E. Jones, Douglas, Ariz.
Application December 17, 1935, Serial No. 54,895
6 Claims. (Cl. 244—80)



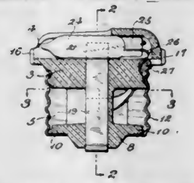
1. In an aeroplane, the combination with the rudder, elevators and ailerons of the aeroplane, of independent means connected with said rudder, elevators and ailerons respectively for manually setting the respective elements, a stabilizer device, and an operating connection between said stabilizer and the rudder, elevator and aileron setting devices for independently and simultaneously operating said devices for returning the rudder, elevators and ailerons to their respective normal positions.

2,074,915
SHELVING OR BIN STRUCTURE
James R. Jones, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.
Application December 10, 1934, Serial No. 756,847
6 Claims. (Cl. 211—135)



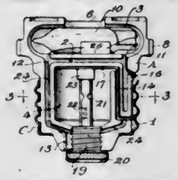
1. The combination with spaced shelves arranged one above another and provided with apertures, of an upright divider arranged between said shelves and provided at its upper edge with a fixed projection arranged to project into an aperture in the upper shelf, and a spring wire mounted on and carried by said divider and having integral portions which are yieldingly held by the elasticity of the spring wire projecting below the bottom edge of said divider and are self-acting to releasably engage in the apertures in the lower shelf when alined therewith for removably securing the divider in position between said shelves.

2,074,916
INDICATING FUSE PLUG
Leroy A. Kauffman, Washington, D. C., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C., a corporation of Delaware
Application April 24, 1935, Serial No. 18,036
8 Claims. (Cl. 200—121)



1. A fuse plug comprising a casing molded in a single piece of insulating material having a lamp compartment and a fuse compartment formed therein, a central contact strip embedded within said casing providing one terminal for the fuse plug and extending longitudinally through the casing with its intermediate portion exposed in the fuse compartment and its upper end portion extending into the lamp compartment, a threaded contact shell providing the other terminal for the fuse plug, a fusible link arranged within said fuse compartment and connecting the exposed intermediate portion of the central contact with said threaded contact shell, a glow lamp arranged within said lamp compartment, one terminal of said lamp being connected to the upper end of said central contact extending into the lamp compartment and a resistor connecting the other terminal of said lamp with said threaded contact shell and serving as a bonding element for the shell.

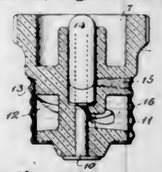
2,074,917
ELECTRIC FUSE
Leroy A. Kauffman, Washington, D. C., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C., a corporation of Delaware
Application April 24, 1935, Serial No. 18,037
10 Claims. (Cl. 200—121)



1. A fuse casing molded from insulated material and being split longitudinally in order to form two separate sections, said casing being hollow throughout a greater portion of its length and having openings formed in the opposite ends thereof, a ledge formed with each section, and a threaded shell for connecting said sections together, whereby the ledge formed with each section will form a partition for dividing the hollow interior of the casing into a plurality of sections.

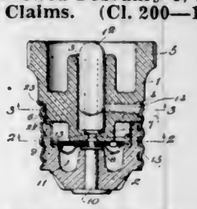
2,074,918
FUSE PLUG
Leroy A. Kauffman, Washington, D. C., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C., a corporation of Delaware
Application April 24, 1935, Serial No. 18,038
Renewed February 6, 1937
5 Claims. (Cl. 200—121)

1. A fuse plug comprising a casing molded in a single piece of insulating material having an axially arranged lamp compartment and a bore extending axially of the casing from the inner end of the lamp compartment, the outer end of said lamp compartment being opened, a central contact fitted into said bore through the outer end thereof, a threaded contact shell about said casing and together with the casing defining an annular chamber, a fusible element in said chamber connecting said contacts, a glow lamp adapted to be



inserted through the outer opened end of said lamp compartment and rest within said lamp compartment, one terminal of said lamp being connected to the inner end of said central contact, said casing having a passage formed therein with its inner end communicating with said lamp compartment and its outer end covered by said shell, a resistor arranged within said recess and said resistor electrically connecting said threaded contact shell and the other terminal of said lamp.

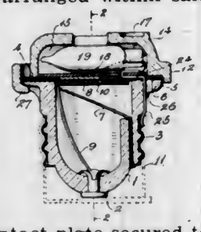
2,074,919
RENEWABLE FUSE
Leroy A. Kauffman, Washington, D. C., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C., a corporation of Delaware
Application April 24, 1935, Serial No. 18,039
Renewed February 6, 1937
2 Claims. (Cl. 200—125)



1. A renewable plug fuse comprising a casing consisting of an inner and an outer section, a threaded contact shell secured to said outer section and projecting therefrom, screw threads formed with the outer periphery of said inner section and having detachable engagement with the projecting end of said threaded contact shell, a rivet contact secured to and projecting through said inner section centrally thereof, a disk of insulating material inserted between the sections and formed with openings spaced from each other circumferentially of the disk, a plurality of fuse links secured to said holder and extending radially of the disk from the center thereof in crossing relation to the openings, each link having its inner end contacting with said rivet, a conductor having one end connected to said threaded contact shell, and a projection carried by said outer section in position to extend through an opening of the disk for preventing rotation of the disk and retaining one of the said fuse links in contact with the opposite end of said conductor.

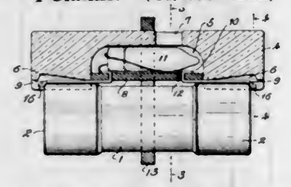
2,074,920
INDICATOR FOR FUSES
Leroy A. Kauffman, Washington, D. C., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C., a corporation of Delaware
Application June 5, 1936, Serial No. 83,757
4 Claims. (Cl. 200—121)

1. An indicator attachment for fuses comprising a casing having a lamp compartment formed therein, a partition for closing said lamp compartment, means for connecting said partition to said casing, a lamp carried by said partition and adapted to be arranged within said lamp com-



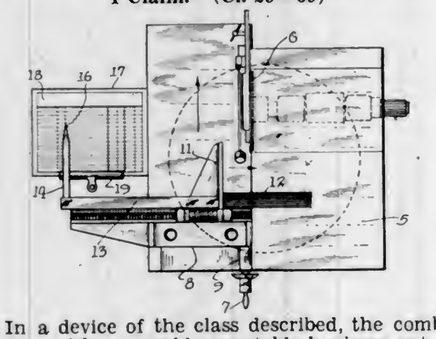
partment, a contact plate secured to and carried by said partition, a spring contact member carried by said partition, means for electrically connecting said spring contact member and said contact plate to said lamp and a hook member formed with said casing.

2,074,921
INDICATOR ATTACHMENT FOR FUSES
Leroy A. Kauffman, Washington, D. C., assignor to Indicating Fuse Manufacturing Corporation, Washington, D. C., a corporation of Delaware
Application June 5, 1936, Serial No. 83,758
4 Claims. (Cl. 200—121)



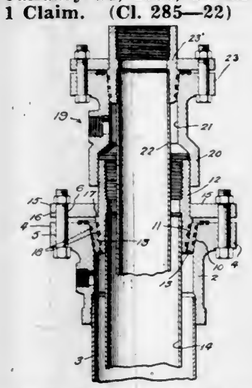
1. An indicator and handhold attachment for cartridge type fuses comprising a support of insulating material, a pair of spring contact terminals carried by and secured to said support, a glow lamp mounted upon said support, a leak resistance, said lamp and leak resistance being connected in series with said terminals, a housing of insulating material extending over said support and lamp mounted thereupon, a ring of insulating material securing said casing to said fuse and shoulders formed within said ring for holding said support within said casing.

2,074,922
RULE CUTTING MACHINE
Michael D. Kessel, San Francisco, Calif.
Application July 17, 1935, Serial No. 31,942
1 Claim. (Cl. 29—69)



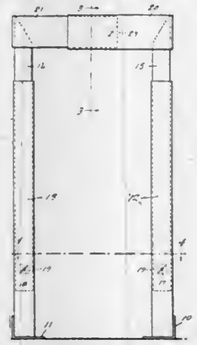
In a device of the class described, the combination with a movable saw table having a rotary saw adjacent thereto, an adjustable length guide mounted on said table, an extension bar secured to said length guide and extending outwardly therefrom, a dummy retaining table secured to one side of said table, and an adjustable pointer secured to said bar and adapted to overlie and indicate scorings carried by said dummy table.

2,074,923
CASING HEAD
George B. Kitchel, Houston, and Edmund J. Roach, Beaumont, Tex., assignors to Beaumont Iron Works Company, Beaumont, Tex., a corporation of Texas
Application January 24, 1936, Serial No. 60,683
1 Claim. (Cl. 285—22)



In a well casing: a tubular head provided at its upper end with an outwardly flared seat; a hanger having its exterior diameter smaller than the interior diameter of said head and having its lower end flared to correspond to the flare of said seat; a space ring fitting and supported by said seat and forming a seat for the flared lower end of said hanger; and means for holding said hanger and ring in sealing contact with their respective seats.

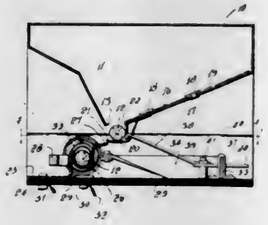
2,074,924
TROUSERS DISPLAY DEVICE
Maurice P. Kohl, Cleveland, Ohio
Application October 29, 1935, Serial No. 47,294
4 Claims. (Cl. 223—74)



1. A display device for trousers comprising spaced pedestals and a substantially horizontally extending annular element secured thereto, said annular element consisting of two U-shaped sections having the bight portions thereof adjustable toward and away from each other, each of said pedestals being secured to the bight por-

tion of one of said U-shaped sections and extending substantially vertically downwardly therefrom.

2,074,925
CIGARETTE HOLDER AND DISPENSER
Andrew G. Krause, Amsterdam, N. Y., assignor of one-half to Antonio Cotugno, Amsterdam, N. Y.
Application May 14, 1936, Serial No. 79,797
2 Claims. (Cl. 312—86)



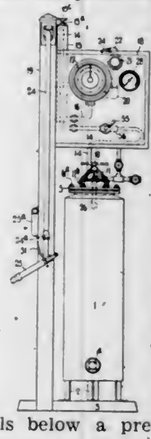
1. A device of the class described having a holder, a slide, means operable through movement of said slide to discharge a cigarette into said holder, an igniter carried by the slide, said igniter being engageable with a cigarette in the holder, a hopper, to contain a supply of cigarettes, having a discharge opening, the first mentioned means having a plate normally closing the opening, cigarette supporting means below the opening, and an ejector, for the cigarette on the supporting means, carried by said plate.

2,074,926
MEANS FOR REPAIRING PUNCTURES IN PNEUMATIC TIRES
Willy Kruse, Hamburg, Germany, assignor to Autosan Corporation of America, New York, N. Y., a corporation of New York
No Drawing. Application June 1, 1934, Serial No. 728,623. Renewed February 19, 1936. In Germany February 24, 1934
8 Claims. (Cl. 134—17.5)

2. A semi-plastic composition for repairing punctures in pneumatic tubes, comprising approximately 3 to 7 parts of water and an intimate mixture of one part of solid substances including an agglutinant; said mixture consisting of about 20% of an agglutinant; 20% of water-insoluble solid fillers and about 60% of mica, said mica being in equal parts of three grades, namely dust size, 0.25 sq. cm. size, and 0.50 sq. cm. size.

2,074,927
APPARATUS FOR DISPENSING LIQUID FUELS, LUBRICATING OILS, AND THE LIKE
Abraham Isaac Logette and Edgar Harry Dainton, London, England
Application November 12, 1935, Serial No. 49,426
In Great Britain November 14, 1934
7 Claims. (Cl. 221—95)

1. Apparatus for dispensing measured quantities of liquids under pressure, comprising a container connected to a source of motive fluid under pressure, such as compressed air, an outlet connected to one end of a delivery and metering system and controlled by a float-operated valve, said outlet being provided with a spring loaded return valve, a delivery nozzle having a spring loaded valve at the other end of said delivery and metering system, said spring loaded valves being adjusted to equal tensions such that both valves close when the pressure within the delivery system falls below a predetermined minimum.



2,074,928
CURTAIN HANGER
Charles Wesley Miller, Costa Mesa, Calif., assignor of one-fourth to Sylvanus B. Vinson and one-fourth to S. Lancelot Vinson, both of Costa Mesa, Calif.
Application September 17, 1935, Serial No. 40,976
1 Claim. (Cl. 156—20)

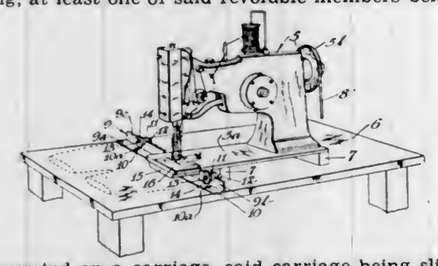


A curtain hanger comprising a truncated cone-shaped holding member, split longitudinally, a ball clamp adapted to fit within said holding member and a rod passing through said ball clamp for forcing the same into tight frictional contact with the walls of said member.

2,074,929
APPARATUS FOR ATTACHING ELASTIC BANDS TO GARMENTS
John E. Martin, Minneapolis, Minn., assignor to Strutwear Knitting Company, Minneapolis, Minn., a corporation of Minnesota
Application June 14, 1935, Serial No. 26,585
1 Claim. (Cl. 112—2)

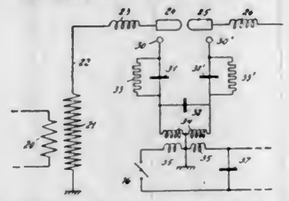
In combination with a sewing machine having a relatively narrow base and a needle disposed above one of the end portions of said base, means for supporting said base above a supporting surface with the needle end of said base disposed in overhanging relation to such means, an elongated vertical member disposed transversely beneath said base inwardly of said needle end and extending at its ends for some distance beyond the sides of said base, said vertical member having a horizontal upper edge, a portion of which is disposed at one side of said base and a portion of which is disposed at the opposite side of said base, a pair of revoluble members disposed respectively at opposite sides of said base and mounted upon the edge of said vertical member in position to entrain an endless elastic element

with the upper run of said element extending across the overhanging end of said base and beneath said needle in position to receive stitching, at least one of said revoluble members being



mounted on a carriage, said carriage being slidably mounted on the horizontal edge of said vertical element, and means for securing said carriage in a multiplicity of various spaced positions relative to the other revoluble member.

2,074,930
CURRENT CONVERTING SYSTEM
Erwin Marx, Brunswick, Germany
Application March 17, 1934, Serial No. 716,083
In Germany March 21, 1933
34 Claims. (Cl. 175—363)

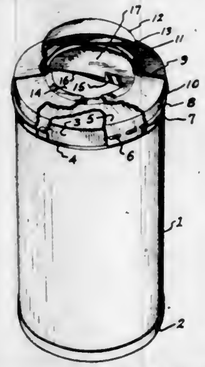


1. In a converting system of the kind described in combination, two cold main electrodes, means for continuously maintaining a flow of gas in the gap between said main electrodes, means for periodically initiating an arc between said cold main electrodes, and a cold auxiliary electrode arranged at equal distances from said main electrodes for causing simultaneous spark-overs between said auxiliary electrode and said main electrodes for facilitating the ignition of the arc between said main electrodes.

33. In a polyphase converting system of the kind described in combination, a polyphase current supply, two main electrodes in each phase connected to said current supply, means for continuously maintaining a flow of gas in the gap between said main electrodes, an auxiliary electrode in each phase arranged in proximity of one of said main electrodes, an alternating current supply for igniting and maintaining auxiliary arcs between a plurality of said auxiliary electrodes and their associated main electrodes, and means for simultaneously changing the timing of the ignition of the auxiliary arcs and the phase of the current fed by said alternating current supply with respect to the phase of said polyphase current supply.

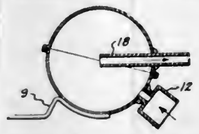
2,074,931
DISPENSING CONTAINER
Earl F. Metcalfe, Cincinnati, Ohio, assignor to The General Pharmacal Company, Cincinnati, Ohio, a corporation of Ohio
Application May 10, 1935, Serial No. 20,824
6 Claims. (Cl. 221—95)

1. A container having associated with the discharge portion thereof a measuring chamber, said container having a round internal cap frictionally received on an open round walled end of the container and having a dispensing opening therein, a round external cap member fitting on said internal cap member and also having a dispensing opening, said caps provided with cooperating means to permit rotary but non-



removable movement of the external cap on the internal cap, said external cap having a neck containing a measuring chamber and a discharge portion provided with a closure chamber, and means for limiting the rotary movement of the external cap on the internal cap with the openings in registered and non-registered closed position.

2,074,932
REFRIGERATOR COMPRESSOR MUFFLER
William R. Mittendorf and Roland H. Money, Cincinnati, Ohio, assignors to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application February 1, 1936, Serial No. 61,968
4 Claims. (Cl. 181—57)

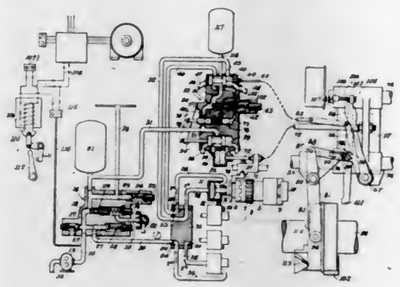


1. A muffler device for use with a reciprocatory pump for a domestic refrigerator comprising a spherical shell having a tube extending from substantially its center out through the shell for flow of gases into or from the shell, and another port for said shell opening substantially at its periphery below the horizontal axis thereof, but somewhat removed from the exact bottom of said shell.

2,074,933
CHUCKING MACHINE
Donald H. Montgomery, West Hartford, and Robert C. Nelson, Kensington, Conn., assignors, by mesne assignments, to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application October 22, 1935, Serial No. 46,084
27 Claims. (Cl. 29—38)

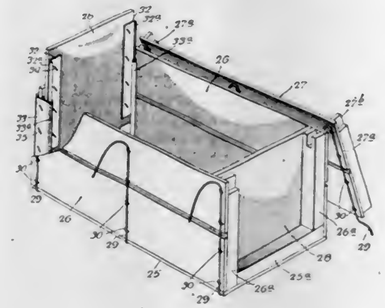
1. In a machine of the character indicated, a rotatable spindle, a clutch therefor, fluid pressure actuated means for actuating said clutch for clutching said spindle to a drive member, a chuck carried by said spindle, fluid pressure actuated means for operating said chuck, a valve member for controlling the flow of pressure fluid to and

from both of said fluid pressure actuated means, and fluid pressure passage control means for



causing one of said fluid pressure actuated means to act in advance of the other.

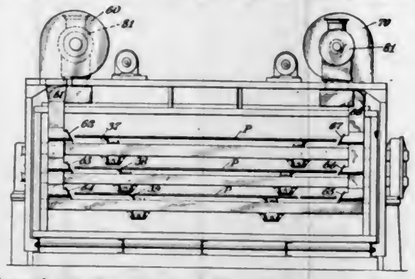
2,074,934
FOLDING BOX
John Ekern Ott, Lisle Township, Du Page County, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application November 25, 1932, Serial No. 644,209
6 Claims. (Cl. 217—43)



6. The combination in a folding box, of a plurality of flexibly connected walls, cleats secured to opposite walls at their ends, an end wall adapted to bear against said cleats, elongated metal strips secured to said walls and terminating in hook-shaped edge portions spaced from said cleats, and other elongated metal strips secured to said end wall on the side thereof opposite said cleats and having edge portions positioned to engage and snap into interlocking engagement with the edge portions of said first named metal strips upon relative movement of said end wall and said opposite walls transversely to said opposite walls.

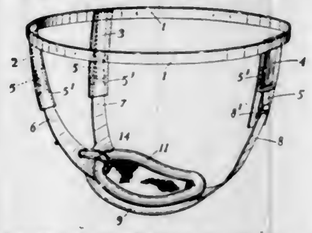
2,074,935
APPARATUS FOR COATING PIPES
Kurt T. Potthoff, Brooklyn, N. Y., assignor to U. S. Galvanizing & Plating Equipment Corporation, a corporation of West Virginia
Application November 18, 1930, Serial No. 496,427
5 Claims. (Cl. 91—45)

1. Apparatus for coating tubes or pipes having a bore small in comparison with their length comprising means for applying a coating within the interior of the pipe, means for automatically rolling said pipe and means for simultaneously circulating air therethrough from one end to the other comprising air jet means po-



sitioned at the ends of the pipes and directing a blast of air therethrough.

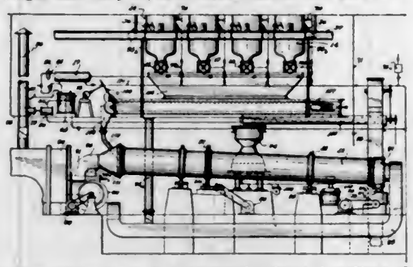
2,074,936
CATAMENIAL APPLIANCE
Peter Lindsay Paterson, London, England
Application September 5, 1934, Serial No. 742,832
In Great Britain September 12, 1933
1 Claim. (Cl. 128—286)



A catamenial appliance including a flexible waterproof pouch adapted to receive a pad of absorbent material and having an open top, a pneumatic sealing rim operatively related to said pouch and disposed about said open top, said rim being substantially of pear-shaped contour and concaved in side elevation, a reinforcing wire for said rim which conforms to the shape thereof, the wire being disposed between the rim and the pouch proper and within the outer limits of the rim, the narrow end which constitutes the rear of said appliance being provided with a single strap-like support connected at a point below the rim, whereby the rear part of the rim may be securely supported against a user, and the wide end which constitutes the front of said appliance being provided with two strap-like supports, whereby to support the front part of the appliance.

2,074,937
APPARATUS FOR PRODUCING HIGH STRENGTH CALCINED GYPSUM
Wilbur S. Randel, Cheshire, Mass., Manvel C. Dailey, Maywood, Ill., and William M. McNeil, Warren, Ohio, assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Original application August 5, 1930, Serial No. 473,182. Divided and this application July 5, 1934, Serial No. 733,800. In Canada March 9, 1931
5 Claims. (Cl. 263—1)

1. In a gypsum calcining apparatus the combination of a plurality of gypsum steam calciners, a conveyor for receiving calcined gypsum therefrom, a common housing surrounding the calciners and the conveyor, a dryer, a furnace producing hot gasses, means for passing said gases through the dryer, a return duct for gases leav-

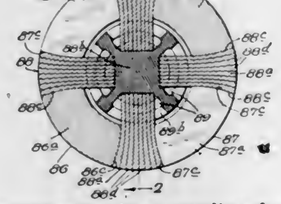


ing the dryer, and a branch duct leading from the latter to the said housing.

2,074,938
FIRE-EXTINGUISHING COMPOSITIONS
Jesse O. Reed, Washington, D. C.
No Drawing. Application April 10, 1936, Serial No. 73,723
11 Claims. (Cl. 23—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A composition for extinguishing fires that includes a material for smothering the fire and a stable, non-volatile chlorinated organic material of relatively high molecular weight.

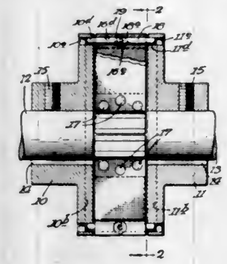
2,074,939
COUPLING
Louis Ricefield, Oak Park, Ill.
Original application March 21, 1935, Serial No. 12,226. Divided and this application November 7, 1935, Serial No. 48,659
6 Claims. (Cl. 64—14)



1. The combination in a coupling for connecting substantially aligned shafts, of a pair of coupling members adapted to be secured on one of said shafts, each of said coupling members having a plurality of longitudinally extending jaws adapted to intermesh loosely with the jaws carried by the other coupling member, and a power transmitting spider interposed between said coupling members and having a plurality of radiating arms of non-metallic resilient compressible material each adapted to extend between and contact with two of said jaws, said spider comprising a hub having sockets therein, said sockets and the inner ends of non-metallic portions of said spider arms having a yieldable interlocking engagement with each other.

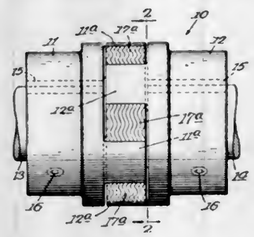
2,074,940
COUPLING
Louis Ricefield, Oak Park, Ill.
Application December 28, 1935, Serial No. 56,521
8 Claims. (Cl. 64—14)

1. The combination in a coupling for connecting two substantially aligned shafts, of a pair of coupling members each adapted to be secured upon a separate one of said shafts, each of said coupling members comprising a plurality of longitudinally extending jaws adapted to intermesh loosely with the jaws carried by the other coupling



member, a plurality of power transmitting members each interposed between and contacting with two of said jaws carried by opposite coupling members, and retaining pins mounted in said power transmitting members and loosely interlocking with both of said coupling members.

2,074,941
COUPLING
Louis Ricefield, Oak Park, Ill.
Application December 28, 1935, Serial No. 56,522
5 Claims. (Cl. 64—14)

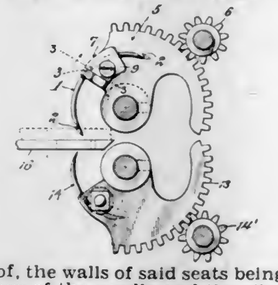


1. The combination in a coupling for connecting substantially aligned shafts, of a pair of coupling members each adapted to be secured upon a separate one of said shafts, each of said coupling members having a plurality of longitudinally extending jaws adapted to intermesh loosely with the jaws carried by the other coupling member, and a power transmitting spider interposed between said coupling members and having a plurality of radiating arms each extending between and contacting with two of said jaws carried by opposite coupling members, said spider comprising laminations of non-metallic resilient material extending throughout the area of the spider transversely to its axis of rotation, the laminations in the arms of said spider being transversely corrugated.

2,074,942
HOLDER FOR SEWING MACHINE NEEDLES
Peter Joseph Scoma, Fort Worth, Tex.
Application October 30, 1935, Serial No. 47,487
1 Claim. (Cl. 112—226)

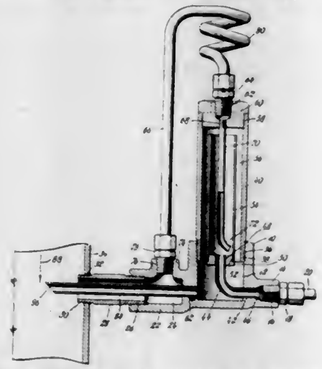
In combination, a holder comprising a pair of opposing clamping members, each member having an angular seat in a face thereof, the seats in the opposing members jointly providing a substantially rectangular opening, and a needle removably secured by said members, the needle

being circular in cross-section, and having diametrically disposed ribs at the point of secure-



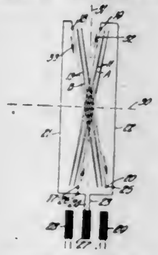
ment thereof, the walls of said seats being tangent to the surface of the needle and the ribs.

2,074,943
LUBRICATION
Campbell K. Sharp, Jackson, Tenn., assignor to Sharvania Oil and Grease Corporation, Memphis, Tenn., a corporation of Tennessee
Application March 25, 1935, Serial No. 12,930
4 Claims. (Cl. 184—50)



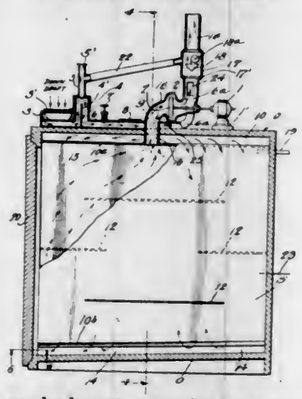
1. In a lubricating device, a hollow shell for connection with a source of steam, an open cup mounted within the shell in spaced relation therewith and having means for connection with a source of lubricant, a steam conduit leading into said shell, and a steam conduit leading into said cup.

2,074,944
RADIO ANTENNA
Hjalmar E. Sjöstrand, Ravala, Grangesberg, Sweden
Application September 30, 1933, Serial No. 691,700
5 Claims. (Cl. 250—33)



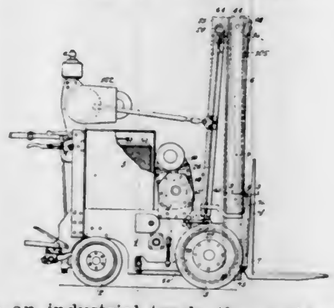
1. A radio antenna comprising two rotatably mounted loops disposed in fixed, acute angular relationship and output taps; said loops being connected across said output taps to produce additive potential differences thereacross for positions of said loops wherein the acute angle formed therebetween includes a line representing the direction of the lines of force of a radio magnetic field.

2,074,945
CONSTRUCTION AND IMPROVEMENT OF A SMOKEHOUSE FOR SMOKING, CURING, AND PROCESSING MEATS
George Jerome Skvor, Boise, Idaho
Application March 20, 1933, Serial No. 661,833
21 Claims. (Cl. 99—259)



1. In a smoke house, a smoke generator; means for conducting smoke from the generator into the smoke house; means for circulating the smoke in the smoke house; an outlet stack for the smoke house; a valve in said stack; a flue connecting the smoke generator and stack above the valve; and means for returning the smoke in the stack to the smoke house when the valve is closed.

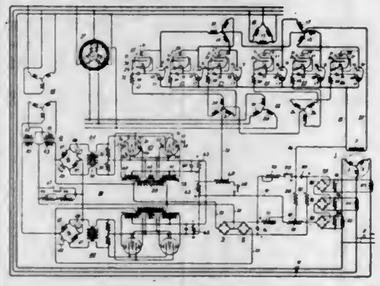
2,074,946
INDUSTRIAL TRUCK
Frank Stoner, Lakewood, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio
Application April 10, 1935, Serial No. 15,582
13 Claims. (Cl. 187—9)



1. In an industrial truck, the combination of a wheel mounted frame, a device mounted thereon to move vertically, power means for operating said device including an endless flexible member, and a pivotal connection between said device and said member whereby said member raises and lowers said device, said connection consisting of a pair of elements carried by said device and member and disposed at right angles to each other, one

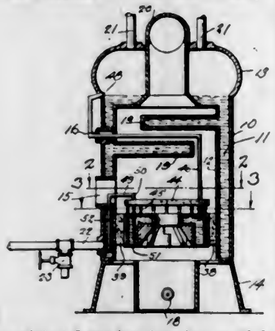
of said elements consisting of a bearing and the other element consisting of a pin rotatably fitting into said bearing.

2,074,947
REGULATING SYSTEM
Jerry L. Stratton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 17, 1936, Serial No. 101,288
22 Claims. (Cl. 171—119)



1. In combination, a dynamoelectric machine having an armature circuit and a field circuit, a source of alternating current and an electric valve translating apparatus for energizing said field circuit, and an excitation circuit for controlling said electric valve translating apparatus comprising an electric discharge device having a control member, means for impressing on said control member a negative unidirectional biasing potential variable in accordance with a predetermined electrical condition of said armature circuit and means for impressing on said control member a second negative unidirectional biasing potential variable in accordance with a different predetermined electrical condition of said armature circuit.

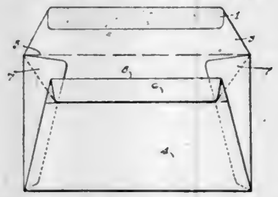
2,074,948
COMBINED WATER HEATER AND HEAT DEFLECTOR ATTACHMENT FOR FURNACES
Raymond F. Sturgis, Elizabeth, N. J.
Application August 29, 1935, Serial No. 38,472
11 Claims. (Cl. 122—165)



7. In a combined water heater and heat deflector attachment for furnaces, a furnace having a water jacket, a water heater in the furnace adjacent the lower end of the water jacket and spaced therefrom and having a central opening therein, the water heater being formed of channel sections with abutting closure walls at two ends thereof and a communicating ground joint connection at the other ends of the sections including overlapping extensions, a tie bolt connecting the extensions in spaced relation to the walls thereof, means forming communication between the water heater and water jacket, heat radiating fins carried by the inner walls of the heater, a heat deflecting refractory disposed above the heater, including a pipe extending upwardly from the heater through the furnace and opening into the upper end of the water jacket, an inverted U-shaped pipe having one leg extending downwardly through the upper end of the heater and terminating adjacent the lower end thereof and the other leg extending downwardly into the water jacket and terminating in a plane below the plane of the lower end of the first leg whereby the water heater may be syphonically drained.

9. A water heater attachment for furnaces comprising channel sections hinged together at two ends, the other ends of the sections being closed and disposed in abutting engagement, the hinge connection including overlapping extensions and a tie-bolt constituting the hinge pivot and located entirely within the channel sections.

2,074,949
ENVELOPE
Willard E. Swift, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Original application November 15, 1933, Serial No. 698,169. Divided and this application February 1, 1935, Serial No. 4,553
1 Claim. (Cl. 229—80)

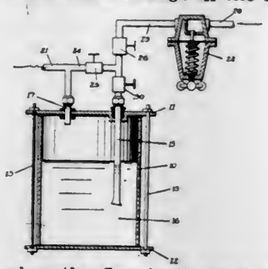


In an envelope of the class described, a front wall and a rear wall, the front wall having a closure flap foldable upon the rear wall, said closure flap and said rear wall providing complemental areas of dry-sealing adhesive, each appreciably spaced from the line of fold of said closure flap, said rear wall beyond its adhesive area providing an extension folded back upon said rear wall adhesive area to prevent contact therewith of the complemental adhesive area of the closure flap when the latter is folded down, said extension, when opened out to expose said rear wall adhesive area, occupying the space between said area and the fold line of said closure flap.

2,074,950
APPARATUS FOR METERING GAS
Charles F. Wallace, Westfield, and Gerald D. Peet, Montclair, N. J., assignors to Wallace & Tiernan Company, Inc., Belleville, N. J., a corporation of New York
Application March 2, 1932, Serial No. 596,308
3 Claims. (Cl. 73—194)

1. Gas measuring apparatus, comprising a volumetric flow meter in which the flow of gas being measured is caused to pass in separated volumes through a body of volatile liquid, adjusting means for adjusting the rate of flow of the gas, a by-pass connection for by-passing the gas around the meter, and means for directing the flow of gas through the meter or through the

by-pass, said apparatus including means for indicating substantial change in the rate of flow



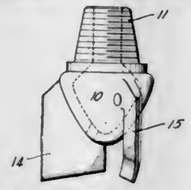
of the gas when the flow is directed through the by-pass.

2,074,951

BIT FOR DRILLING A HOLE LARGER THAN THE BIT

John A. Zublin, Los Angeles, Calif.

Application December 14, 1935, Serial No. 54,442
3 Claims. (Cl. 255—61)



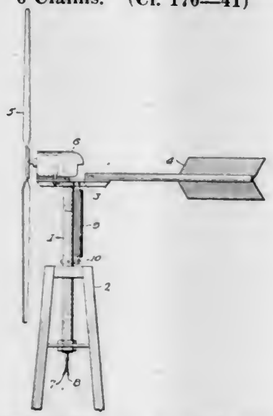
1. A rotary well drilling bit comprising a body and a plurality of individual cutting blades thereon spaced at intervals around the body and all extending below the body approximately the same distance, the outer edges of the blades being substantially equi-distant from the bit axis, and one of the blades being a primary blade that extends inwardly substantially to the bit axis and is at least twice the width of any other blade.

2,074,952

SAFETY DEVICE FOR WIND DRIVEN GENERATORS

John R. Albers and Gerhard H. Albers, Sioux City, Iowa, assignors to Wincharger Corporation, Sioux City, Iowa, a corporation of Minnesota

Application May 15, 1935, Serial No. 21,526
6 Claims. (Cl. 170—41)



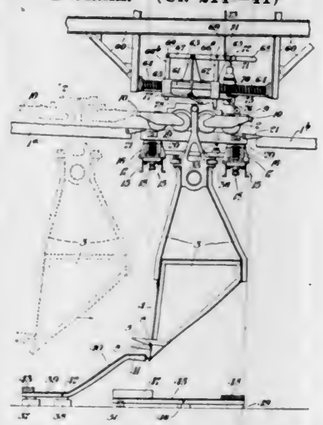
1. The combination, in a wind-driven apparatus of the character described, of a member pivotally mounted for horizontal rotation, a wind-wheel, a horizontal wind-wheel-shaft, and a vane all mounted upon and rotatable with said member, said vane being so arranged with respect to said wind-wheel that the action of the wind upon said vane will tend to keep said wind-wheel in position to face the wind, and means acting upon said member to resist its rotation in either direction from a predetermined position.

2,074,953

AERIAL TRAMWAY

Claire C. Beatty and Elmer J. Lloyd, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application August 14, 1934, Serial No. 739,831
1 Claim. (Cl. 214—41)



In an elevated tramway system, a loading station, a pivoted carrier, a pivoted discharge door on said carrier, and means at said loading station for closing said discharge carrier, said means comprising a pivoted table, an upward extension on one end of said pivoted table, and a weight on the other end of said pivoted table.

2,074,954

METHOD OF TREATING METALS

Harvey Ross Belding, Vandergrift, Pa., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey

No Drawing. Application June 17, 1935, Serial No. 27,088
2 Claims. (Cl. 75—58)

1. The method which includes teeming molten steel into a mold, killing the molten steel while in the mold solely by the use of silicon, forming the killed steel into articles, and coating the articles with vitreous enamel.

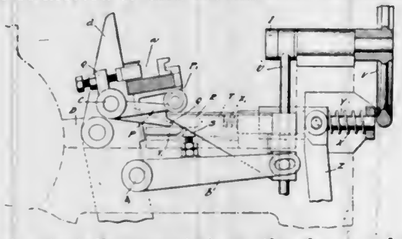
2,074,955

CLUTCH AND BRAKE MECHANISM FOR LOOMS

Juan Picañol Camps, Sabadell, Spain

Application September 3, 1932, Serial No. 631,627
In Switzerland June 21, 1932
2 Claims. (Cl. 139—336)

1. A brake mechanism for looms, comprising in combination, a lay, a driving shaft, a friction wheel carried on said shaft and having a recess on one side, a friction cone shiftable on said shaft, a sliding collar on said shaft adapted to move said shiftable cone into engagement with said friction wheel, a two-part brake shoe in the recess in said friction wheel, a lever mechanism connected with said sliding collar, a rod connection with said lever mechanism, a hand wheel connected to said rod and adapted to shift said rod to engage and disengage said friction cone and wheel, a second lever and link mechanism connected to said brake shoe, shutter protector mechanism mounted on said lay, frog mechanism connected to said second lever mechanism,



a link pivotally mounted on the frame of the loom and connected to said rod connection and adapted to be actuated by said frog to move said first named lever mechanism to release said friction cone upon actuation of the frog by said protector mechanism whereby when shuttle protection occurs the friction cone is released through said frog and link and subsequently said brake applied and whereby said friction cone may be manually engaged and released by operation of said hand wheel.

2,074,956

WIRE ROPE

Fred C. Carstarphen, Denver, Colo., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application September 13, 1935, Serial No. 40,491
16 Claims. (Cl. 117—53)



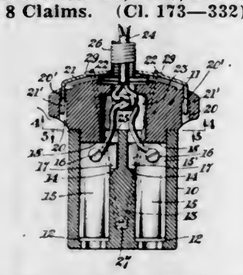
1. A wire rope including strands of intertwisted wires helically laid over a core made of elastic material, said core having preformed helical grooves in its surface into which said strands are fitted.

2,074,957

COUPLING

Nathan Chirelstein, Newark, N. J.

Application October 10, 1935, Serial No. 44,379
8 Claims. (Cl. 173—332)



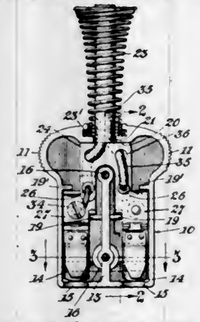
1. An electric coupling of the character described comprising a body portion formed in two half parts of plastic insulating material placed end to end and defined as the upper and lower parts, said lower part having two chambers formed by a middle partition having shoulders formed in the upper part of the sides thereof, socket members in said chambers each of which is formed with an extension on one side thereof which rests on one of said shoulders, and means comprising looped wires which extend from the lower part of the body over the upper part in swinging relation to hold the body parts together.

2,074,958

COUPLING

Nathan Chirelstein, Newark, N. J.

Application October 10, 1935, Serial No. 44,380
2 Claims. (Cl. 173—332)



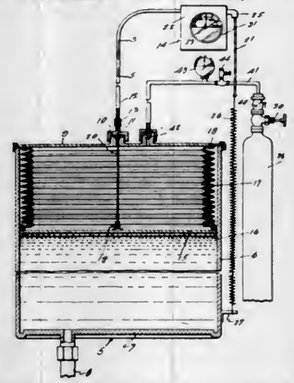
1. A coupling of the character described comprising a body of insulating material made in two parts and formed with a central partition to provide two chambers, socket contacts in said chambers, a bifurcated plate connecting said socket contacts and made of insulating material mounted on the upper end of said partition and having holes through which lead-in wires may pass and be supported, and each branch of which is connected to one of said socket contacts, and means for holding said body parts together.

2,074,959

FUEL TANK GAUGE

Herbert Rainford Guest, Habana, Cuba

Application September 10, 1936, Serial No. 100,206
2 Claims. (Cl. 73—82)



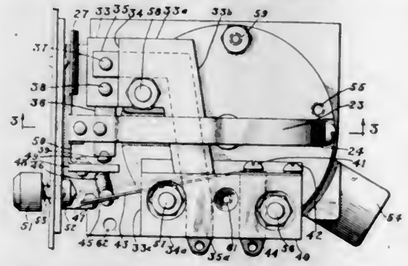
1. A fuel tank comprising a receptacle having a top, a follower plate in the tank, an airtight bellows connecting the follower plate with the under side of the top, a gauge, a member extending from the follower plate to the gauge, said top being provided with a packing gland therein through which the said member extends and means for maintaining fluid pressure in the bellows.

2,074,960

AUTOMATICALLY OPERABLE FIRE PROTECTION SYSTEM AND APPARATUS

Henry Ernest Heigis, West Orange, N. J., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York

Application December 12, 1933, Serial No. 702,087
8 Claims. (Cl. 177—311)



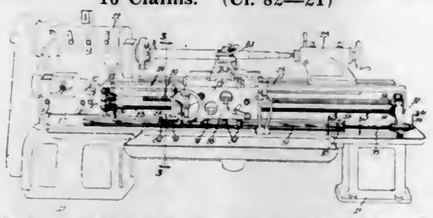
1. An indicating unit operable by fluid pressure comprising a body member formed with a chamber for substantially confining a body of fluid, said chamber having a movable wall adapted to move upon a change in the pressure of the confined body of fluid, a fluid conducting passage for connecting the chambered body member to means for effecting a change in pressure of the confined body of fluid, a mechanically controlled indicator having a normal indicating position and an abnormal indicating position, an electrically controlled indicator capable of indicating both a normal condition and an abnormal condition of the means being supervised, a pair of electrical contacts for controlling said electrically controlled indicator, one at least of said contacts being movably mounted, means normally urging the contacts toward engagement, means movable with the mechanically controlled indicator normally maintaining separation of the contacts, and means operable upon movement of the movable wall of the chambered body member to actuate the mechanically controlled indicator from its normal indicating position to its abnormal indicating position and to render ineffective the means normally maintaining separation of said contacts, said means for maintaining separation of the contacts serving when rendered ineffective for such purpose to maintain the mechanically controlled indicator in its abnormal indicating position.

2,074,961

MACHINE TOOL FEEDING MECHANISM

William G. Hoelscher, Norwood, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio

Application September 16, 1935, Serial No. 40,715
16 Claims. (Cl. 82—21)



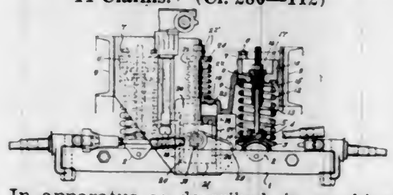
1. In a lathe, a bed, spindle means for supporting work, a carriage incorporating a tool for forming the work, a feed rod for translating the carriage along the bed in relation to the work, a clutch controlled drive for said feed rod, a longitudinally shiftable bar adapted to shift the clutch for disengaging the same, stop dogs adjustably mounted along the bar, a lever, having a plate portion, pivotally mounted on the carriage, the plate portion adapted to be swung into position for contact with the stop dogs, as the carriage moves, and means for varying the longitudinal position of the plate portion on the carriage in relation to the carriage to compensate for variation in the depth of the center holes in the work or the length of the work without resetting the stop dogs.

2,074,962

GRADER

Neil E. Jersey, Bucyrus, Ohio, assignor, by mesne assignments, to W. A. Riddell Corporation, Bucyrus, Ohio, a corporation of Ohio

Application July 9, 1935, Serial No. 30,529
11 Claims. (Cl. 280—112)



1. In apparatus as described, in combination, an axle carrying steerable wheels; a frame adjustably supporting a work tool such as a grader blade; springs, adjustable as to tension, positioned one at either side of said frame and supporting same on said axle; an element connecting said frame and said axle, said element being in advance of the axle and connected to the frame in the longitudinal median line thereof by a connection which restrains movement between said frame and said axle except movement rotative with respect to said connection; and means, adjacent said axle in the longitudinal median line of said frame, connecting said frame to said axle, said means restraining all relative movement therebetween except rotative movement about an axis passing through said first stated connection and resiliently restrained vertical movement in an arc about said first stated connection.

2,074,963

METHOD FOR THE CONTINUOUS PRODUCTION OF ABIETIC ACID ESTERS

Harry E. Kaiser, Temple City, Calif., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 31, 1935, Serial No. 47,600
23 Claims. (Cl. 260—99.40)

1. The method for the continuous production of a rosin acid ester which includes contacting a material selected from the group consisting of rosin, stabilized rosin, rosin acids and stabilized rosin acids with a lower aliphatic alcohol in counterflow in the presence of heat at a temperature to cause esterification.

2,074,964

FLOOR COVERING

Louis Leonard Larson and David Lindsay, Jr., Wilmington, Del., assignors to Krafelt Corporation of America, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 1, 1933, Serial No. 664,041
4 Claims. (Cl. 92—21)

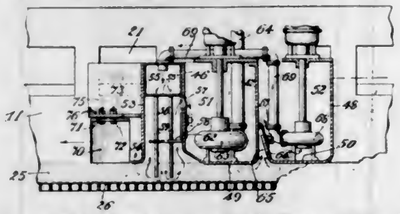
1. A process which comprises adding an aqueous emulsion of fatty oil paint to an aqueous dispersion of paper pulp, said pulp comprising artificially crinkled superficially mercerized fibers, intimately mixing the emulsion with the pulp, precipitating the particles of emulsified paint onto the fibers of the pulp, making the mixture of precipitated paint and pulp into sheets, drying the sheets, printing a pattern substantially through the sheets with printing paint, and curing the printed sheets.

2,074,965

FILTER BED CLEANING DEVICE FOR SEWAGE CLARIFICATION TANKS

William C. Laughlin, Kew Gardens, N. Y., and Abraham B. Asch, Jersey City, N. J., assignors to Filtration Equipment Corporation, New York, N. Y., a corporation of Delaware

Application September 15, 1933, Serial No. 689,548
8 Claims. (Cl. 210—122)



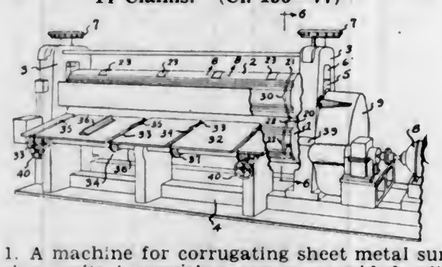
1. In a filter bed system including a filter bed, a cleaning device supportable and movable over the bed, having a plurality of liquid-receiving receptacles whose bottoms lie in juxtaposition to the surface of the bed to create a cleaning territory thereover, agitating means on the first receptacle only for agitating the sand in said cleaning zone, individual passageways for the receptacles discharging thereinto at points above their bottoms and extending upwardly from the exteriors of the bottoms so as to guide liquid rising from the bed into the receptacles, said receptacles with their passageways being closely located one behind the other in respect of the direction of the movement of the device and effective respectively to collect liquid in such order, the front wall of the trailing receptacle being closely adjacent the rear wall of the preceding receptacle, thereby defining a narrow passageway between the receptacles.

2,074,966

APPARATUS FOR MANUFACTURING SURFACING UNITS

Howard J. Little, Fort Thomas, Ky., assignor, by mesne assignments, to The Andrews Steel Company, a corporation of Delaware

Application March 11, 1935, Serial No. 10,358
14 Claims. (Cl. 153—77)



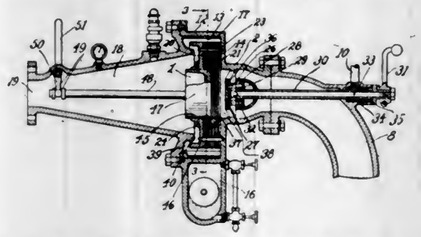
1. A machine for corrugating sheet metal surfacing units comprising means provided with cooperating male and female dies, and means in cooperation therewith to effect a corrugated edge and a flexed resilient end transverse to said corrugated edge.

2,074,967

HEAT EXCHANGE DEVICE

Warren Noble, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application June 15, 1934, Serial No. 730,830
18 Claims. (Cl. 261—118)



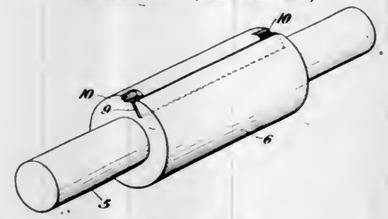
1. In a heat exchange device, a casing through which an at-least-partially-gaseous fluid to be cooled is adapted to flow, means for spraying cooling liquid into the fluid stream, means for separating the commingled gaseous fluid and liquid, and means for regulating the flow of commingled fluid and liquid to said separating means including means adjustable relative to the latter in a direction axially of said chamber to vary the flow area of said separating means while maintaining flow substantially in the same path conformation.

2,074,968

REEL

Howard S. Orr, Gary, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey

Application December 13, 1935, Serial No. 54,335
2 Claims. (Cl. 242—74)



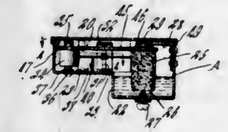
1. A reel comprising a cylindrical body portion having a longitudinal slot therein, one of the side walls of said slot having recesses at both of its ends, each of said recesses extending away from said side wall and outwardly to the periphery of said cylindrical body portion, whereby the manual insertion of the material to be reeled into said slot may be facilitated.

2,074,969

SUPPLYING INK TO INK TRANSFER MEMBERS

George E. Pelton, Aurora, Ill.

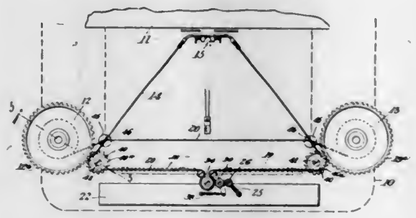
Application January 26, 1932, Serial No. 588,932
59 Claims. (Cl. 197—171)



1. In a typing machine, the combination of a writing ribbon, an ink reservoir, a non-absorb-

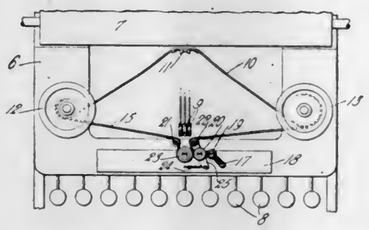
ent ink supply ribbon having a surface adapted to contact with the writing ribbon, means for placing ink from said reservoir upon said surface of said ink supply ribbon.

2,074,970
SUPPLYING INK TO INK TRANSFER MEMBERS
George E. Pelton, Alexandria, Va.
Application September 19, 1932, Serial No. 633,874
34 Claims. (Cl. 197—171)



1. In a typing machine, the combination of a writing ribbon, an ink-supply ribbon in the form of an endless belt or band, which receives ink from an ink reservoir or other ink supply in said machine to supply said ink to said writing ribbon, and means for moving the writing ribbon and the ink-supply ribbon.

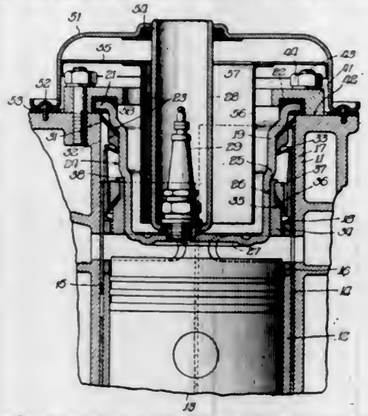
2,074,971
INK CONVEYER RIBBON
George E. Pelton, Middleburg, Va.
Application June 1, 1935, Serial No. 24,578
Renewed December 29, 1936
16 Claims. (Cl. 197—171)



9. In a typing mechanism, the combination of a printing ribbon from which ink is transferred to the work, a non-printing ink conveyer ribbon contacting with said printing ribbon and including a fibrous body portion and having at least one surface thereof formed of a cellulose composition which is substantially impervious to ink and upon which ink may be deposited for transfer to said printing ribbon, and means for depositing a controlled quantity of ink on said surface.

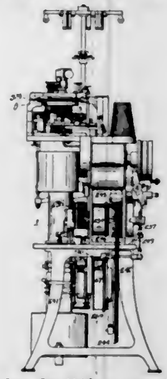
2,074,972
INTERNAL-COMBUSTION ENGINE CYLINDER-HEAD CONSTRUCTION
Ralph L. Skinner, Detroit, Mich.
Application December 23, 1935, Serial No. 55,775
12 Claims. (Cl. 123—75)

1. In an internal-combustion engine, the combination of an engine-cylinder, a piston reciprocable in said cylinder, a head for said cylinder mounted thereon, and means completely resiliently separating said head from said cylinder,



whereby to cushion the forces to which said head is subjected.

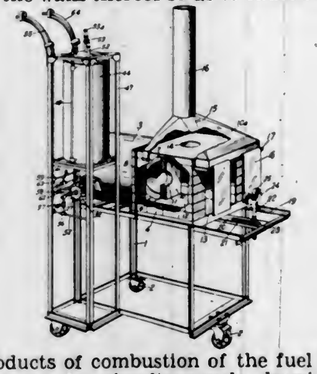
2,074,973
KNITTING MACHINE
William L. Smith, Jr., and Robert H. Lawson, Pawtucket, R. I.; said Smith assignor to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application February 21, 1930, Serial No. 430,436
Renewed January 24, 1936,
25 Claims. (Cl. 66—24)



1. In a circular knitting machine of the independent needle type, a dial and a cylinder and needles mounted therein adapted to knit plain fabric, cams associated with the needles in the dial to position the same to knit, in conjunction with the cylinder needles, ribbed fabric or welt fabric, the needles in the dial having differentiated butt formations and one of the cams being movable to engage and project more or less of the dial needles to take thread, the said cam being movable in one direction to increase the number of needles taking thread and in another direction to project certain of the dial needles to thread taking position.

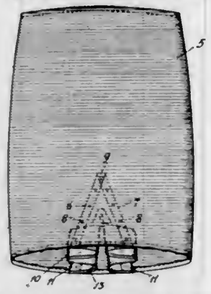
2,074,974
GLORY HOLE
Charles T. Stewart, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application December 16, 1935, Serial No. 54,543
12 Claims. (Cl. 49—57)

1. In a glory hole of the type described, a substantially cylindrical combustion chamber having an opening in its forward end through which a glass article may be passed thereinto, means for injecting fuel into said combustion chamber adjacent the rear end thereof substantially tangential to the walls thereof so as to cause swirling



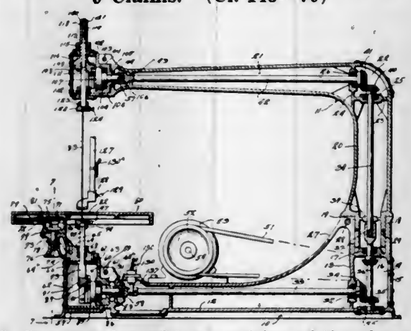
of the products of combustion of the fuel therein, and means for simultaneously drawing the products of combustion forwardly through the combustion chamber so as to cause the products of combustion to travel towards said opening in a helical path in said combustion chamber for the entire length thereof.

2,074,975
GARMENT
Margaret C. Baatz, South Orange, N. J., assignor to Model Brassiere Corporation, Brooklyn, N. Y., a corporation of New York
Application December 5, 1936, Serial No. 114,471
1 Claim. (Cl. 2—43)



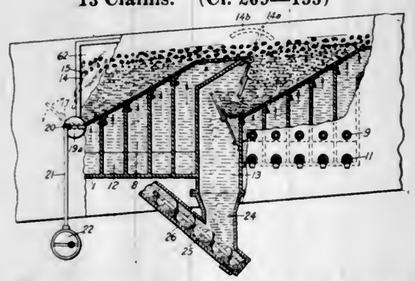
A woman's garment comprising a body-encircling and confining member of elastic material having a continuous crotchless lower peripheral edge; and a separately formed crotch element having peripheral snap-fastener components attached thereto; said first-named member having exclusively interiorly attached and concealed complemental snap-fastener components, whereby said crotch element may be secured in readily attachable-detachable crotch-forming position within said encircling member, and said last-named fastener components being secured to the lowermost central region of each of the front and rear portions of the garment by two pairs of tapes stitched exclusively within and to the inner surface of said lower margins of the encircling member, each pair of tapes comprising two converging strips running from two spaced-apart points at the lower edge of the garment to a single point of juncture of the strips in a pair, said tapes and fasteners thereto secured being at all times confined within the lower margin of the body member both when said crotch element is present and when it is absent, said elastic body-encircling member presenting an unbroken lower margin when used as a girdle without said crotch element.

2,074,976
WOODWORKING MACHINE
Ralph H. Beardsley, Marion, Ohio
Application February 29, 1936, Serial No. 66,495
9 Claims. (Cl. 143—70)



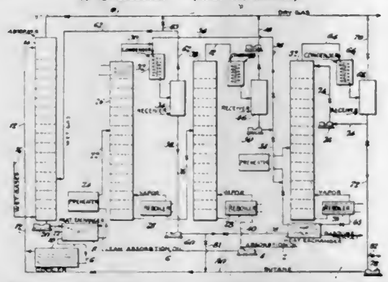
9. In a wood-working machine of the character described, a substantially tubular base section, a substantally tubular upper section having a vertical portion rotatably engaging the rear end of the base section, means for holding said vertical portion in a plurality of rotated positions upon the rear end of the base section, a longitudinally extending shaft in the base section, a longitudinally extending shaft in the upper section, a vertical shaft having driving engagement with the last named horizontal shaft and extending downward through the vertical portion of the upper section, a driving connection between the lower end of said vertical shaft and the rear end of the horizontal shaft in the base section, and means for driving the shaft in the base section.

2,074,977
LAUNDER METHOD FOR SEPARATING AND SORTING MATERIALS
Byron M. Bird, Bertram D. Thomas, and John W. Rea, Columbus, Ohio, assignors to The Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
Application June 3, 1935, Serial No. 24,654
13 Claims. (Cl. 209—155)



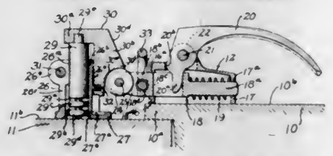
1. The method of separating and sorting materials which comprises causing movement of such materials longitudinally by a substantially horizontally flowing stream of liquid, effecting stratification of such materials by upward currents of liquid as they move along, bringing about segregation of materials of greater density in a lower layer to form a bed, and compacting the thus segregated bed.

2,074,978
RECOVERY AND STABILIZATION OF GASOLINE
David G. Brandt, Westfield, N. J., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Application February 13, 1933, Serial No. 656,503
2 Claims. (Cl. 196—8)



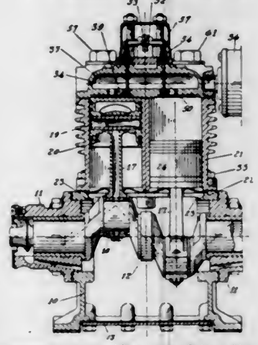
2. In the process of recovering gasoline constituents from a gaseous hydrocarbon mixture containing such constituents as well as substantial proportions of lower boiling point hydrocarbons by absorbing the gasoline hydrocarbons in a cool liquid absorbing medium of substantially higher boiling point from which the absorbed gasoline constituents are recovered by distillation, the improvement which comprises mixing a cool liquid hydrocarbon of lower boiling point than the said desired gasoline constituents with the cool absorption medium used in the absorption operation, passing the gaseous mixture to be treated countercurrent to the absorption medium containing said added hydrocarbon, and replacing substantial proportions of said added liquid hydrocarbon in said medium with the higher boiling gasoline constituents contained in said gaseous mixture, thereby carrying out the absorption operation without substantially heating the absorption medium by heat of absorption or condensation of the said gasoline constituents.

2,074,979
LATCH AND STRIKER CONSTRUCTION
Sigurd Brantingson, Palisades Park, N. J., assignor to Francis Keil & Son, Inc., a corporation of New York
Application December 8, 1934, Serial No. 756,625
11 Claims. (Cl. 292—340)



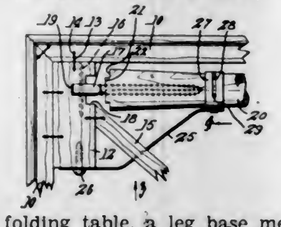
3. In construction of the character described, in combination, a supporting bracket having a base portion adapted to rest against a wall and having a sleeve-like support extending away from and at substantially right angles to said base portion, whereby said bracket may be secured to a wall and said sleeve-like support is held at right angles to said wall, an external wall of said sleeve-like support having formed therein guiding means extending substantially parallel to the channel within said sleeve-like support, and a keeper structure shaped in general like an inverted U, one arm of which extends within and is telescopically related to said sleeve-like support and the other arm of which is rigid with said first-mentioned arm and extends externally thereof and is provided with means for coacting with the guiding means in said external wall, said two arms being provided with means rigidly and non-rotatably interconnecting them thereby to form said keeper structure.

2,074,980
AIR COMPRESSOR
Niels Anton Christensen, South Euclid, Ohio
Application October 17, 1932, Serial No. 638,123
3 Claims. (Cl. 184—6)



1. In a compressor, the combination of a crankcase portion, a cylinder portion having a bore, said crank case portion having a recess surrounding the same, a piston operable in said bore and having a connecting rod extending into the crankcase portion, and an oil baffle havig a substantially flat margin seated in said recess and provided with a deflected lip adapted to be sprung and clamped in the recess between the cylinder and the crankcase portions.

2,074,981
FOLDING TABLE
Atherton D. Converse, Winchendon, Mass., assignor to Dorothy T. Converse, Winchendon, Mass.
Application December 10, 1934, Serial No. 756,767
11 Claims. (Cl. 311—111)



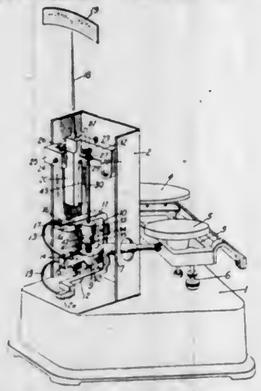
1. In a folding table, a leg base member secured to the table beneath the top, said base member having a plane lower surface and having a vertical recess extending inwardly from one side thereof, a leg having an upper end portion terminating in a plane top surface and pivoted to the base member at a distance from the lower surface of the base member, means by which the rotation of the leg on its axis will move the top surface of the leg into and out of engagement with said lower surface of the base member, means operative to swing the leg from erect to folded positions, the upper end portion of the leg being shaped to enter said recess in the base member as the leg is folded, but said upper leg portion in at least one dimension being wider than said recess whereby, when the leg is erect and is rotated to bring its top surface by said first-mentioned means into engagement with the base member, the wider dimension of the upper leg portion at the top surface will bridge said recess in the base member.

2,074,982
RESILIENT BRIDGE FOR STRINGED MUSICAL INSTRUMENTS
Vincent Di Marzio, Swissvale, Pa.
Application April 23, 1936, Serial No. 75,960
5 Claims. (Cl. 84—307)



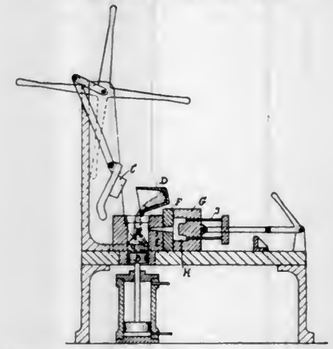
1. In a bridge for stringed musical instruments, the combination of a base member, upwardly projecting posts secured to said base member adjacent its ends, coil springs surrounding said posts, a top bar provided with screw threaded holes through which the upper ends of said posts pass with clearance, and adjusting nuts screwed into said holes and resting on the upper ends of said springs and provided with holes which slidably receive the upper ends of said posts, whereby said top bar is resiliently supported in an adjustable position by means of said springs.

2,074,983
WEIGHING SCALE
Thomas B. Flanagan, Columbus, Ohio, assignor to The Exact Weight Scale Company, Columbus, Ohio, a corporation of Ohio
Application November 30, 1934, Serial No. 755,407
16 Claims. (Cl. 265—58)



1. A weighing scale comprising a movable beam, a resistance for resisting movement of said beam away from balanced position, said resistance comprising a pair of flexes formed of strips of flexible metal bowed into substantially U-shape, one of said flexes being arranged above said beam and the other being arranged below said beam, one end of each of said U-shaped flexes being attached to the beam and the other end of each of said springs being attached to a support independent of said beam, the attaching means at one end of each of the flexes being adjustable, said flexes opposing and balancing each other when the beam is in balanced position, an indicating pointer for indicating the position of said beam pivotally mounted and arranged above the level of said beam, said indicating pointer being balanced, means for operatively connecting said beam to said indicating pointer, said means comprising a push rod which has its upper end pivotally connected to said pointer, said rod extending to a point where it will be operated by the beam, and a point and cup bearing between the lower end of the rod and said beam, the point being held in said cup by a gravity force only so that it will automatically adjust itself.

2,074,984
CASTING MACHINE
Leopold Frommer, Berlin-Zehlendorf, Germany, and Josef Polak, Prague, Czechoslovakia, assignors, by mesne assignments, to the firm Transforma Aktiengesellschaft, Vaduz, Liechtenstein
Application February 23, 1933, Serial No. 658,048
In Germany January 19, 1933
1 Claim. (Cl. 22—68)

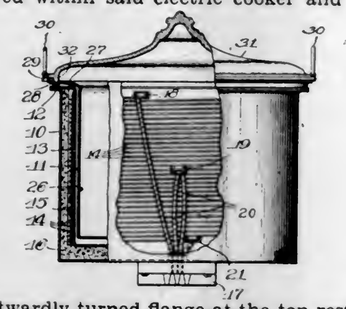


A machine for casting metals under pressure, comprising an independent press chamber having at one end a detachable closure piece, a casting mould separate from the press chamber and its closure piece, a piston for supplying the material to be pressed to the casing mould under pressure from the press chamber, said closure piece being stationary during the pressure stroke, means for opening and closing the press chamber by movement of the closure piece, the direction of said movement adjacent the closing position approximately coinciding with the direction of the press chamber axis and means whereby the closure piece follows a swinging movement about an axis at right angles to the axis of the chamber.

2,074,985
ELECTRIC COOKER
Orrin Hofferbert, Beaver Dam, Wis., assignor to Malleable Iron Range Company, a corporation of Wisconsin
Application April 30, 1934, Serial No. 723,196
5 Claims. (Cl. 219—35)

4. An electric cooker comprising a cylindrical enameled vessel with an outwardly turned flange at the top, an outer cylindrical wall spaced therefrom and connected at the top to said flange, a resistance wire wound around the inner cylinder, insulating and high temperature resisting cement in which said resistance wire is imbedded,

a filler of heat insulating material in the space between said walls and a flanged cooking vessel received within said electric cooker and having



an outwardly turned flange at the top resting on said first mentioned flange, whereby heat is supplied to said cooking vessel around the side wall thereof.

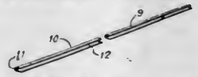
2,074,986

METHOD OF MAKING WELDED SHEET METAL GOLF SHAFTS AND WELDING SHIM THEREFOR

Herbert C. Lagerblade, Bristol, Conn., assignor to The Horton Manufacturing Company, a corporation of Connecticut

Application October 8, 1932, Serial No. 636,850

20 Claims. (Cl. 29—156)



1. The steps of making tubular articles which consist in, partially forming a blank having opposed edge portions, pressing said portions laterally in opposite directions to complete the forming operation while gripping a shim of welding material therebetween, and welding the same while said shim is gripped by said portions.

19. A welding drawing-in shim for sheet metal golf shafts or the like having overlapped seams comprising a shim of copper having longitudinally extending means formed thereof on one edge thereof for reinforcing the body of the same and positioning the same in welding position and spaced from the body of the shim at said edge to provide a configuration permitting a substantial overlap of the sheet metal edges at the seam.

2,074,987

WELDED SHEET METAL GOLF SHAFT AND METHOD OF MAKING THE SAME

Herbert C. Lagerblade, Bristol, Conn., assignor to The Horton Manufacturing Company, a corporation of Connecticut

Application October 8, 1932, Serial No. 636,851

22 Claims. (Cl. 29—156)



1. A golf or other shaft having a tapered polygonal sheet metal body portion and a welded section having its exposed joint wholly in one corner of said polygonal body between adjacent overlying portions.

14. The steps of making golf or other shafts which consist in, forming a sheet metal shaft blank of polygonal cross section having like apered overlapping smooth imperforate edge portions on adjacent faces resiliently engaging each other, and inserting a shim of welding material between the resiliently engaging overlapping edge portions.

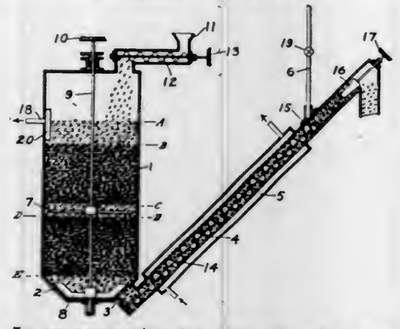
2,074,988

APPARATUS FOR SOLVENT EXTRACTION

William J. O'Brien and Roy C. Brett, Cleveland, Ohio, assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

Application July 21, 1934, Serial No. 736,288

3 Claims. (Cl. 87—6)



1. In an apparatus for extraction by means of a solvent, a chamber having an inlet for material bearing the substance to be extracted and a plurality of agitators vertically spaced from each other to provide alternate zones of condensation and substantial quiescence and zones of rarefaction and mild agitation of said material, a second chamber having its lower portion in communication with the first chamber, one of said agitators being of multiple-arm construction and disposed immediately adjacent to the bottom of the first chamber and the passageway from said first chamber to said second chamber so that when rotated the ends of said arms will cut across said passageway and thereby agitate and force the material from said first chamber into said second chamber, said second chamber comprising an upwardly-extending, elongated passageway, a spiral conveyor within said elongated passageway and disposed to convey material from the bottom of the first chamber upwardly through said elongated passageway, and means for introducing a solvent in said second chamber below the outlet from said second chamber for the residue from the material subjected to extraction, said spiral conveyor having an upper portion of the spirals of gradually receding pitch at the outlet for said residue to force solvent associated therewith back into said second chamber.

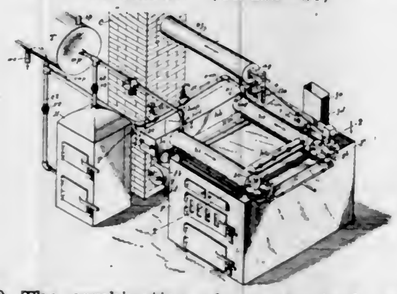
2,074,989

CONVERTIBLE WATER HEATING SYSTEM

John Orban, East Orange, N. J.

Application April 11, 1935, Serial No. 15,807

10 Claims. (Cl. 122—20)



9. The combination of a water-tank, water-pipes in open communication with the water-tank and being united in a proper relation to provide a continuous water-circulating conduit, a furnace having a hollow outlet-member for the exit of hot fluid, a flue in open communication with said outlet member and united therewith for receiving and expelling hot fluid and being provided with apertures arranged therealong, a part of said water-circulating conduit being within said flue, a fluid-fuel burner including nozzles that are arranged along and extend into said flue through said apertures for sustaining a flame therein and therealong so as to raise the temperature by said flame from its own fluid fuel and by consuming products of combustion in said hot fluid from the furnace, and thereby super-heating said part of the water-pipe, the said flue and the contiguous water-pipe and fluid fuel burner being superposed and supported on said furnace so as to conserve floor-space and to receive heat that rises from the top of the furnace, substantially as shown and described.

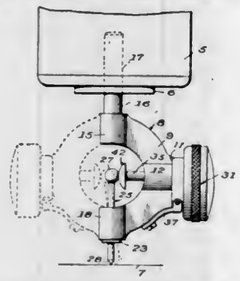
2,074,990

LOCATION TOOL

David A. Roberts, Flint, Mich.

Application June 6, 1936, Serial No. 83,990

6 Claims. (Cl. 33—172)



1. A location tool comprising a body part, including end terminal portions, each formed with a pair of side edges, the inner side edge of one end terminal portion being disposed in parallel spaced relation to the inner side edge of the other end terminal portion, a center line bar fixed to and extending outwardly at right angles to the outer side of one of said end terminal portions, adapted to be connected to and axially of a rotatable spindle to provide for the tool bodily rotating with the spindle, a spring controlled angularly shiftable finder element seated intermediate its ends in, extending inwardly and outwardly from and coupled with the other end terminal portion, said finder element having a pointed outer end for seating in a punched point of the work, an indicator mechanism carried by said body part and spaced from said terminal portions, and an operating element for and secured at one end with said mechanism, said operating element extending inwardly from said mechanism to between said end terminal portions and having its other end arranged in the path of the inner end of the finder element to be actuated from the latter on the angular shifting of said finder element.

2,074,991

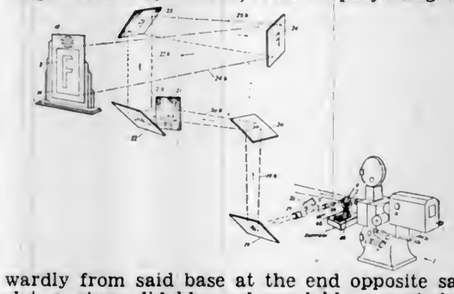
AUXILIARY PICTURE REPRODUCING APPARATUS

Ferdinand G. Salcedo, Hollywood, Calif., assignor to Royal Revues, Inc., a corporation of Michigan

Application May 21, 1934, Serial No. 726,788

1 Claim. (Cl. 88—24)

The combination with a projection lantern adapted to project a light beam, of means to intercept and reflect the emitted rays at spaced time intervals, said means comprising a support in front of said lantern and below said beam of light, an elongated base member resting on said support and having an elongated slot at one end, a clamping bolt extending through said slot and engaging said support, said bolt serving to clamp said base in any desired position of angular and longitudinal adjustment, a sleeve projecting upwardly from said base at the end opposite said slot, a stem slidably and revolubly mounted in said sleeve, means to secure said stem in desired position vertically and rotatably, an electric motor fixed on the upper end of said stem with the motor axis at right angles to the axis of the stem, said motor having a shaft, and a mirror segment fixed to said shaft in a plane at right angles thereto to intercept the light from the projector.



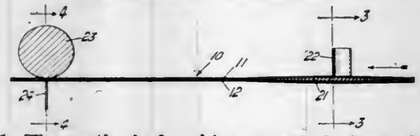
2,074,992

PROCESS OF MAKING A BAG OR SIMILAR ARTICLE

David Schmidt, Cleveland, Ohio, assignor to The Dobeckmun Company, Cleveland, Ohio, a corporation of Ohio

Application August 8, 1935, Serial No. 35,345

10 Claims. (Cl. 93—35)



1. The method of making an article from sheet material of the class described which comprises cutting one or more of a plurality of superposed plies against an adjacent ply by passing a cutting edge through said one or more plies directly toward but not into said adjacent ply, while supporting the latter ply along the line of the cut being made.

2,074,993

METHOD OF TREATING RUBBER

Robert L. Sibley, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

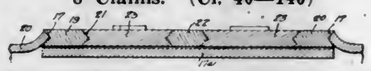
No Drawing. Application April 6, 1934, Serial No. 719,361

20 Claims. (Cl. 18—50)

1. The method of preserving rubber which comprises treating rubber with a condensation product of substantially one molecular proportion of a ketone and substantially two molecular proportions of a compound having the general formula HO—R—R'—Y, wherein R represents a benzene residue having a free unsubstituted position para to the hydroxyl group, R' represents an aromatic hydrocarbon radical and Y represents hydrogen or an hydroxyl group, said con-

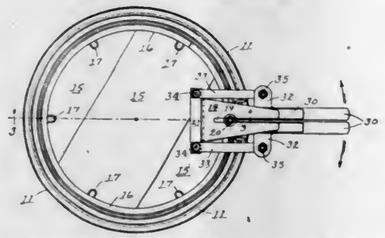
densation product being obtained by heating said reactants in an acid medium at a temperature between substantially 65° to 85° C.

2,074,994
ORNAMENTAL COVER
Leo K. Stupell, New York, N. Y.
Application September 6, 1934, Serial No. 742,901
8 Claims. (Cl. 40—140)



7. In combination, an ornament cover of resilient material having a recess, said recess having a base and substantially sharp opposite edges, and an ornament element seated in said recess and having edges juxtaposed to said substantially sharp recess edges in locking engagement therewith.

2,074,995
FASTENING MACHINE
Chester B. Thayer, Benton Harbor, Mich.; Pearl C. Thayer administratrix of said Chester B. Thayer, deceased
Application April 22, 1935, Serial No. 17,659
10 Claims. (Cl. 1—50)



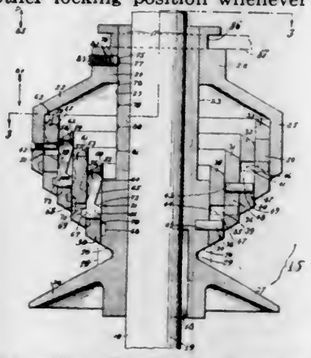
1. In a device of the class described, a member having a slot therein, a hammer plunger member disposed in parallelism with the slotted member and in rigid association therewith, a pin within said slot and slidable therein, a pair of arms disposed on opposite sides of the pin, having anvil portions and pivotally connected with said slotted member, and a pair of links each pivotally connected at one end to said slotted member on an opposite side thereof and each pivotally connected at its other end to an anvil arm.

2,074,996
PALLADIUM NICKEL ALLOY
Sidney Cohn, New York, N. Y., assignor to Sigmund Cohn, New York, N. Y.
No Drawing. Application December 22, 1936, Serial No. 117,150
4 Claims. (Cl. 75—172)

3. An alloy composed of palladium and nickel having from five to sixteen percent nickel content.

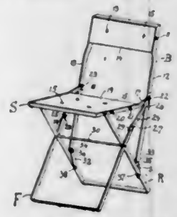
2,074,997
SPEED CHANGE DEVICE
Frederick W. Faltermayer, Philadelphia, Pa.
Application August 3, 1934, Serial No. 738,233
3 Claims. (Cl. 74—230.17)

1. In a speed change device, a pulley comprising a fixed member and an adjustable member cooperating therewith, said adjustable member comprising a plurality of axially shiftable, nested cylindrical sleeves; a cam operated tiltable latch adapted to lock one of said sleeves to the other in an axial direction, means carried by said sleeves for camming the latch from one locking position into another locking position whenever a sleeve



is shifted in either direction, and means whereby said axial movement of said sleeves is limited in respect to each other and said latch engaging positions.

2,074,998
COLLAPSIBLE CHAIR
Abraham Kaufman, Bronx, N. Y.
Application January 10, 1933, Serial No. 651,019
6 Claims. (Cl. 155—147)



6. A chair comprising a seat, legs crossingly hinged upon each other and hinged upon said seat, so that parts of said seat and legs form a triangle at the corners of which they are hinged together, one of said parts being hingedly articulated between its hinged ends, so that said triangle may be collapsed and said parts may be folded onto each other, a normally reclined backrest hingedly fulcrumed upon said seat and swingable thereon, and slotted, substantially vertical links connected at their upper ends to the back rest and at their lower ends upon the rear pair of said legs at a point removed from the front pair of said legs, so that said back rest may swing within the range of play of said links independently between back and frontwardly inclined positions on the pitched chair, forms the side of a second triangle with parts of said legs in said back position, said second triangle reinforcing said first triangle on the pitched chair, but said backrest forcibly collapsing said first triangle when swung beyond said frontwardly inclined position.

2,074,999
CIRCULAR KNITTING MACHINE
Alexander Kaufman, Long Island City, N. Y.
Application February 27, 1935, Serial No. 8,452
1 Claim. (Cl. 66—36)

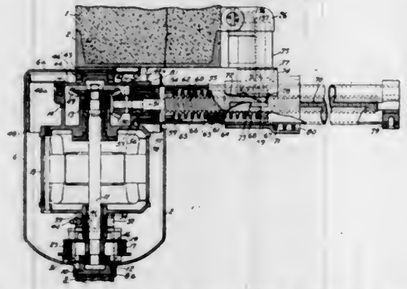
In a circular knitting machine, a needle cylinder formed with vertical peripheral slots, knitting needles slidable in said slots and having offset resilient butts extending from said slots, a cam associated with said butts to raise the

needles, a pattern wheel rotatably mounted on said cam between the extremities of the cam and having peripheral cut-outs for meshing with the butts of the needles to turn the pattern wheel, and also having peripheral notches of considerably less depth than the slots for engaging the butts of the wheel to flex the needles off the cam at only partially raised elevation and to turn the pattern wheel, a knitting cam to re-



turn all fully raised needles, and a cam to return all partially raised needles to initial elevation, the butts which have been flexed off the cam resiliently engaging the back of the cam for maintaining their partially raised positions, said pattern wheel being arranged at an inclination corresponding with the inclination of the cam upon which it is mounted, and the pattern wheel meshingly engaging the needle butts during the raising motion of the latter.

2,075,000
SWINGING DOOR OPERATOR
Edward Harrison McCloud, Columbus, Ohio
Application December 31, 1934, Serial No. 759,877
19 Claims. (Cl. 268—63)



1. In combination with a wall having a doorway therein, a door for closing the doorway, a casing comprising two partly-cylindrical plates integrally secured on opposite sides of the door, a motor pivotally mounted in the casing having its axis contained within the door and normal to the upper edge thereof, a connection between the motor and the wall including a thrust member swingable about the axis of the motor whereby on operation of the motor the door will open or close, and means to stop the operation of the motor when the door reaches either its open position or its closed position, said last named-means comprising a switch mounted in the casing and actuated by stop means on the motor upon swinging of the motor with respect to the casing.

2,075,001
TUNING PIN FOR PIANOS
Reinhard Schulze, Baltimore, Md.
Application January 9, 1935, Serial No. 987
5 Claims. (Cl. 84—201)



1. A metallic tuning pin for pianos and like instruments comprising a body portion substantially the whole length of which is adapted to be placed in and held by the pin block of the instrument, a head shaped for turning the pin by a tuning hammer, a neck between said body portion and head for the winding of the string thereabout, said neck having a smaller diameter than the body portion, and a string hole beginning in the neck near the head and passing a substantial distance obliquely into the head.

2,075,002
COPPER-SILICON-ALUMINUM ALLOYS
Daniel R. Hull, Watertown, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application August 3, 1933, Serial No. 683,480
3 Claims. (Cl. 75—160)

1. A copper base alloy composed of from 0.1% to 3.5% silicon, from 0.1% to 0.75% aluminum, and balance copper.

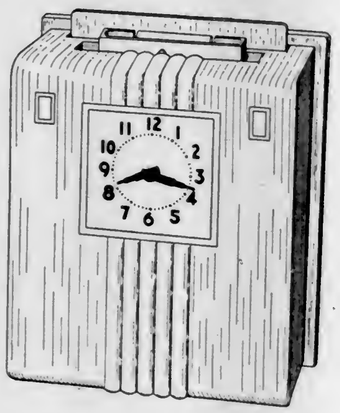
2,075,003
COPPER-SILICON-ALUMINUM ALLOY
Daniel R. Hull, Watertown, Conn.
No Drawing. Application July 30, 1936, Serial No. 93,419
2 Claims. (Cl. 75—160)

1. A copper base alloy composed of from 0.1% to 0.75% silicon, from 1% to 10% aluminum, and balance copper.

DESIGNS

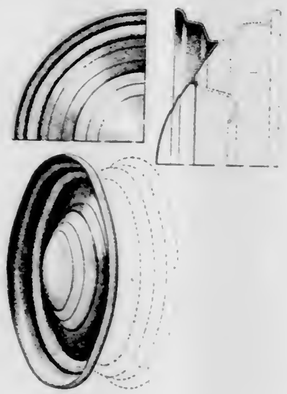
MARCH 23, 1937

103,663
DESIGN FOR A TIME RECORDER CASING
Wilbur Henry Adams, Cleveland Heights, Ohio, assignor to Stromberg Electric Company, Chicago, Ill., a corporation of Delaware
Application December 14, 1936, Serial No. 66,518
Term of patent 7 years



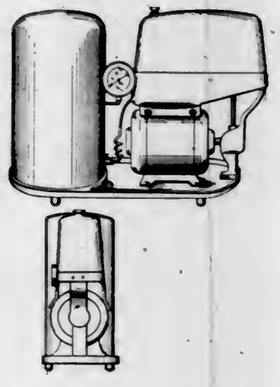
The ornamental design for a time recorder casing, as shown.

103,664
DESIGN FOR A WHEEL
Charles S. Ash, Milford, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 24, 1936, Serial No. 64,559
Term of patent 14 years



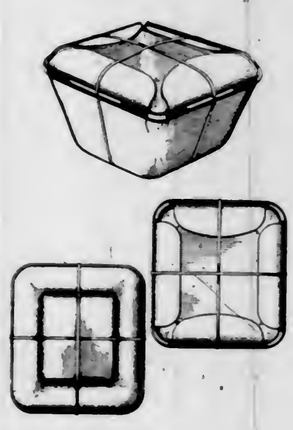
The ornamental design for a wheel substantially as shown and described.

103,665
DESIGN FOR AN AIR COMPRESSOR UNIT
George W. Bayers, Denver, Colo.
Application September 8, 1936, Serial No. 64,757
Term of patent 7 years



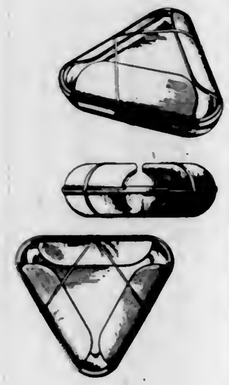
The ornamental design for an air compressor unit, as shown.

103,666
DESIGN FOR A DISPLAY CONTAINER OR SIMILAR ARTICLE
Ernest M. Brogden, Orlando, Fla., assignor to Bank of The Manhattan Company, Trustee, New York, N. Y., a corporation of New York
Application August 9, 1935, Serial No. 58,049
Term of patent 14 years



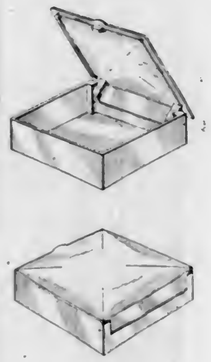
The ornamental design for a display container or similar article as shown and described.

103,667
DESIGN FOR A DISPLAY CONTAINER OR SIMILAR ARTICLE
Ernest M. Brogden, Orlando, Fla., assignor to Bank of The Manhattan Company, Trustee, New York, N. Y., a corporation of New York
Application August 9, 1935, Serial No. 58,050
Term of patent 14 years



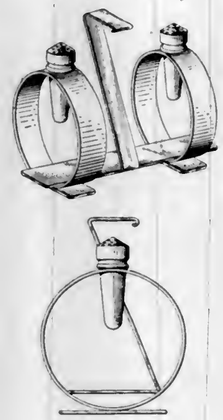
The ornamental design for a display container, or similar article, as shown and described.

103,668
DESIGN FOR A NOVELTY BOX
John P. Case, New York, N. Y., assignor to American Record Corporation, New York, N. Y., a corporation of New York
Application July 1, 1935, Serial No. 57,466
Term of patent 7 years



The ornamental design for a novelty box as shown and described.

103,669
DESIGN FOR A SALT AND PEPPER SHAKER COMBINATION SET
Harriet S. Cohn, Brooklyn, N. Y.
Application January 7, 1937, Serial No. 66,933
Term of patent 7 years



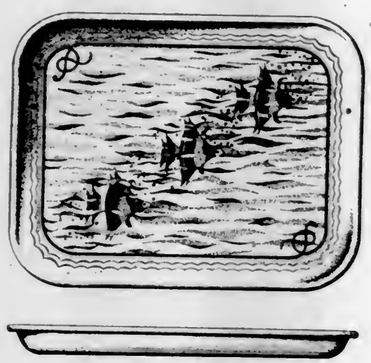
The ornamental design for a salt and pepper shaker combination set, substantially as shown.

103,670
DESIGN FOR A TRAY
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application February 1, 1937, Serial No. 67,372
Term of patent 7 years



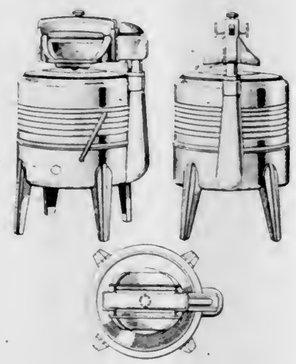
The ornamental design for a tray substantially as shown.

103,671
DESIGN FOR A TRAY
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application February 12, 1937, Serial No. 67,619
Term of patent 7 years



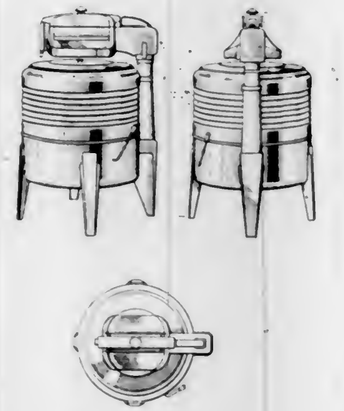
The ornamental design for a tray substantially as shown.

103,672
DESIGN FOR A COMBINED WASHING MACHINE AND WRINGER
Fred A. Conterman, Jamestown, N. Y., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y., a corporation of New York
Application June 11, 1936, Serial No. 63,233
Term of patent 14 years



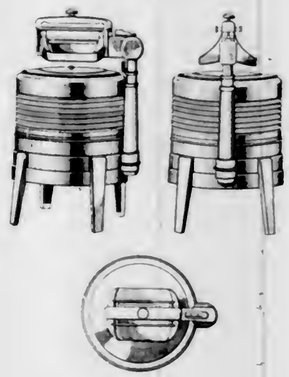
The ornamental design for a combined washing machine and wringer as shown.

103,673
DESIGN FOR A COMBINED WASHING MACHINE AND WRINGER
Fred A. Conterman, Jamestown, N. Y., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y., a corporation of New York
Application June 11, 1936, Serial No. 63,234
Term of patent 14 years



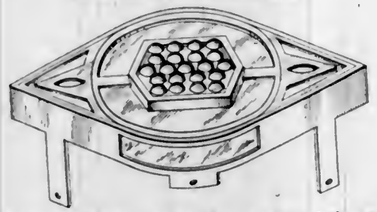
The ornamental design for a combined washing machine and wringer, as shown.

103,674
DESIGN FOR A COMBINED WASHING MACHINE AND WRINGER
Fred A. Conterman, Jamestown, N. Y., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y., a corporation of New York
Application June 11, 1936, Serial No. 63,235
Term of patent 14 years



The ornamental design for a combined washing machine and wringer, as shown.

103,675
DESIGN FOR A SIGNAL FOR MOTOR VEHICLES
Paul Falke, Weehawken, N. J.
Application January 18, 1937, Serial No. 67,124
Term of patent 14 years



The ornamental design for a signal for motor vehicles, as shown.

103,676
DESIGN FOR A SCREW DRIVER
Thomas J. Fegley, Jenkintown, and George O. Leopold, Philadelphia, Pa., assignors to North Bro's M'f'g Co., Philadelphia, Pa., a corporation of Pennsylvania
Application August 6, 1936, Serial No. 64,282
Term of patent 7 years



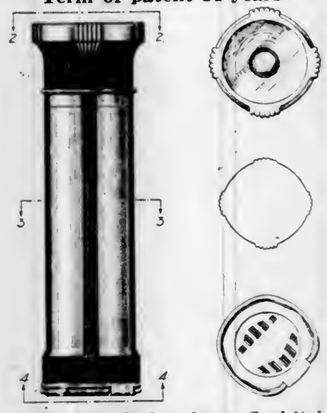
The ornamental design for a screw driver, substantially as shown.

103,677
DESIGN FOR A COMB OR THE LIKE
Joseph C. Foster, Leominster, Mass., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts
Application February 6, 1937, Serial No. 67,491
Term of patent 7 years



The ornamental design for a comb or the like, substantially as shown.

103,678
DESIGN FOR A FLASHLIGHT CASING
Herman G. Graubner, New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application September 26, 1935, Serial No. 58,722
Term of patent 14 years



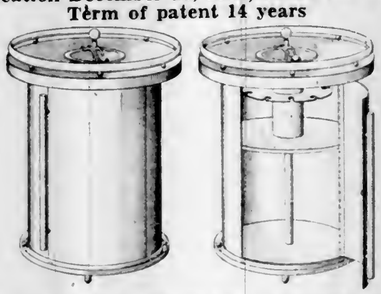
The ornamental design for a flashlight casing substantially as shown and described.

103,679
DESIGN FOR A CORN SLITTER
Carolyn R. Hanchett, Falls Village, Conn.
Application September 23, 1936, Serial No. 64,976
Term of patent 3½ years



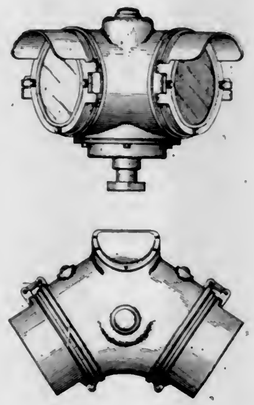
The ornamental design for a corn slitter as shown.

103,680
DESIGN FOR A COMBINATION BAR AND ASH RECEIVER
Charles Hardy, New York, N. Y.
Application December 19, 1936, Serial No. 66,647
Term of patent 14 years



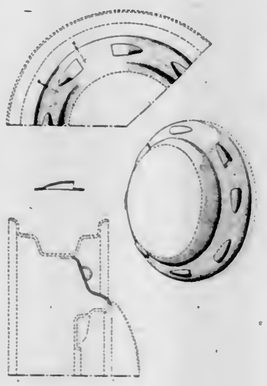
The ornamental design for a combination bar and ash receiver substantially as shown.

103,681
DESIGN FOR A TRAFFIC SIGNAL
Jeremiah D. Kennelly, Oak Park, Ill., assignor of one-half to Ethel V. Mars
Application September 10, 1936 Serial No. 64,797
Term of patent 7 years



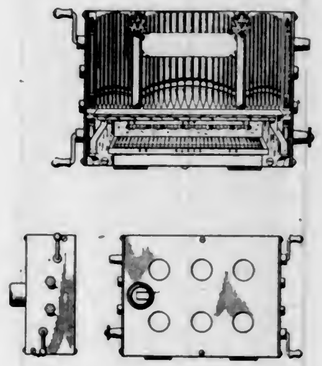
The ornamental design for a traffic signal as shown.

103,682
DESIGN FOR A WHEEL
James M. Kerr, Royal Oak, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 17, 1936, Serial No. 64,457
Term of patent 14 years



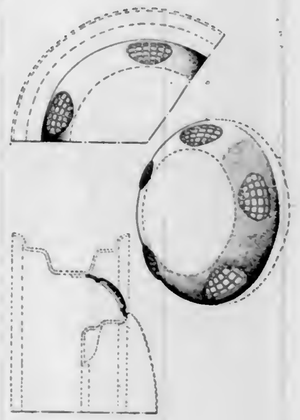
The ornamental design for a wheel substantially as shown and described.

103,683
DESIGN FOR A MUSICAL INSTRUMENT
William E. Lednum, Easton, Md., assignor to Plakola Corporation, Easton, Md., a corporation of Maryland
Application January 26, 1937, Serial No. 67,295
Term of patent 7 years



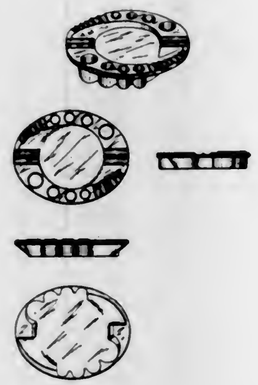
The ornamental design for a musical instrument, as shown.

103,684
DESIGN FOR A WHEEL
Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 17, 1936, Serial No. 64,441
Term of patent 14 years



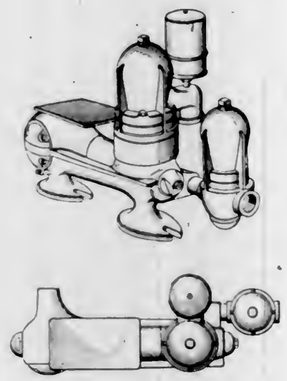
The ornamental design for a wheel, substantially as shown and described.

103,685
DESIGN FOR AN ASHTRAY
Leo Lowi, New York, N. Y.
Application January 11, 1937, Serial No. 66,997
Term of patent 14 years



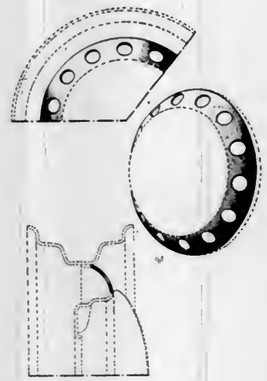
The ornamental design for an ash tray, as shown.

103,686
DESIGN FOR A PUMP
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application January 29, 1937, Serial No. 67,331
Term of patent 14 years



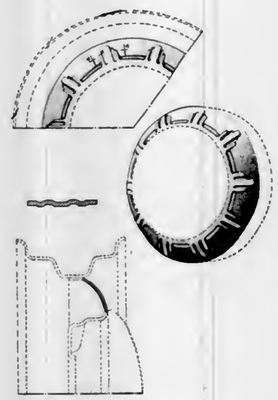
The ornamental design for a pump, as shown.

103,687
DESIGN FOR A WHEEL
James W. Pattison, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 17, 1936, Serial No. 64,453
Term of patent 14 years



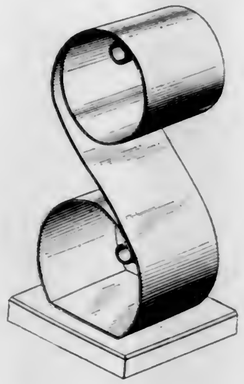
The ornamental design for a wheel, substantially as shown and described.

103,688
DESIGN FOR A WHEEL
James W. Pattison, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 17, 1936, Serial No. 64,454
Term of patent 14 years



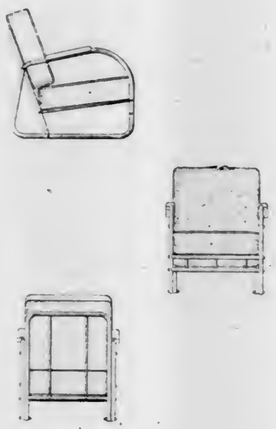
The ornamental design for a wheel substantially as shown and described.

103,689
DESIGN FOR A DESK STAND FOR PAPERS AND WRITING PARAPHERNALIA
Emanuel R. Posnack, Brooklyn, N. Y.
Application January 6, 1937, Serial No. 66,916
Term of patent 14 years



The ornamental design for a desk stand for papers and writing paraphernalia substantially as shown.

103,690
DESIGN FOR A CHAIR
Ferdinand Racen, St. Louis, Mo., assignor to W. G. Shelton Company, St. Louls, Mo., a corporation of Missouri
Application February 1, 1937, Serial No. 67,383
Term of patent 7 years



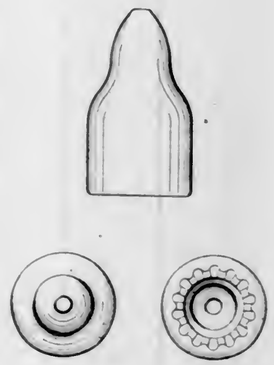
The ornamental design for a chair substantially as shown.

103,691
DESIGN FOR A COFFEEPOT
John Gordon Rideout, Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana
Application July 2, 1936, Serial No. 63,613
Term of patent 14 years



The ornamental design for a coffee pot as shown.

103,692
DESIGN FOR A CAP FOR ELECTRICAL VAPORIZERS
Joseph Robinson, New York, N. Y.
Application October 26, 1935, Serial No. 59,234
Term of patent 7 years



The ornamental design for a cap for electrical vaporizers as shown.

103,693
DESIGN FOR A LIPSTICK HOLDER
Louis Albert Samstag, New York, N. Y.
Application August 13, 1936, Serial No. 64,384
Term of patent 3½ years



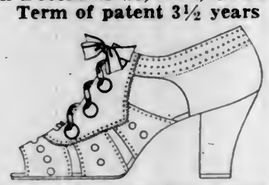
The ornamental design for a lipstick holder as shown and described.

103,694
DESIGN FOR A DISPLAY STAND OR SIMILAR ARTICLE
Maurice J. Schless, New York, N. Y.
Application January 6, 1937, Serial No. 66,930
Term of patent 14 years



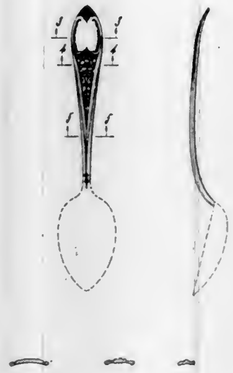
The ornamental design for a display stand or similar article, as shown.

103,695
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Herbert Shapiro, Newton, Mass.
Application December 23, 1936, Serial No. 66,711
Term of patent 3½ years



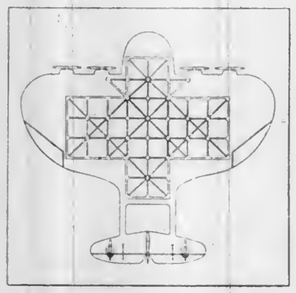
The ornamental design for a shoe or similar article substantially as shown and described.

103,696
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Charles F. Simms, Concord, N. H., assignor to Concord Silversmiths Corporation, Concord, N. H., a corporation of New Hampshire
Application December 19, 1936, Serial No. 66,646
Term of patent 14 years



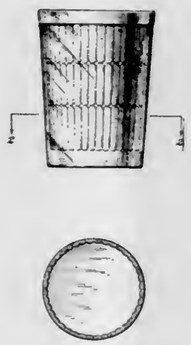
The ornamental design for a spoon or other article of flatware substantially as shown.

103,697
DESIGN FOR A GAME BOARD
Casimir J. Snawadzki, Chicago, Ill., assignor of one-fourth to Joseph B. Lee and L. E. Nimschik, and one-half to Philip F. Nimschik and Helen Nimschik, all of Chicago, Ill.
Application January 6, 1937, Serial No. 66,917
Term of patent 14 years



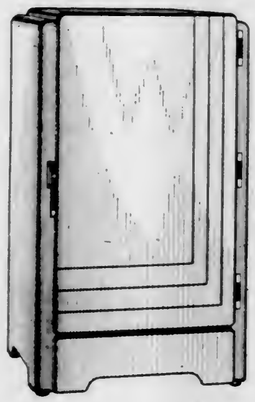
The ornamental design for a game board, as shown.

103,698
DESIGN FOR A TUMBLER
James E. Spence, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application February 8, 1937, Serial No. 67,514
Term of patent 14 years



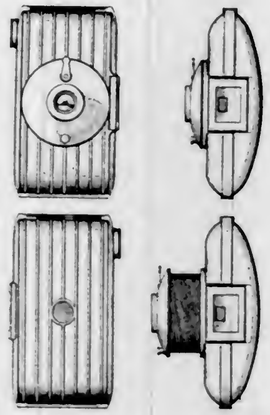
The ornamental design for a tumbler as shown.

103,699
DESIGN FOR A REFRIGERATOR CABINET
Wilburn H. Swanson, Morrison, Ill., assignor to Ice Cooling Appliance Corporation, Morrison, Ill., a corporation of Delaware
Application January 12, 1937, Serial No. 67,022
Term of patent 3½ years



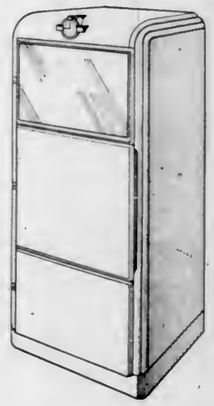
The ornamental design for a refrigerator cabinet, as shown.

103,700
DESIGN FOR A CAMERA
Walter D. Teague, New York, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New New Jersey
Application February 20, 1937, Serial No. 67,778
Term of patent 3½ years



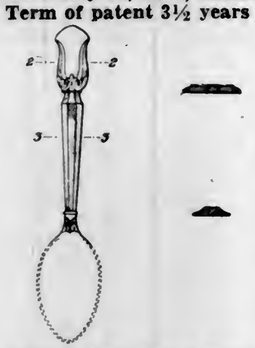
The ornamental design for a camera as shown and described.

103,701
DESIGN FOR A REFRIGERATOR
Harold L. Towle, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application August 13, 1936, Serial No. 64,387
Term of patent 14 years



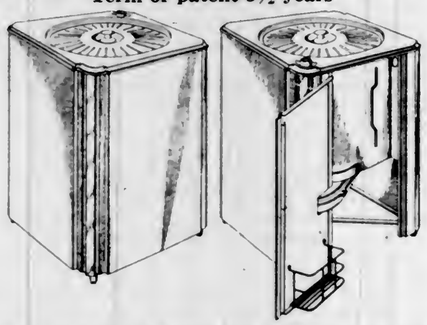
The ornamental design for a refrigerator as shown and described.

103,702
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Frank S. Trumbull, Providence, R. I.
Application February 10, 1937, Serial No. 67,559
Term of patent 3½ years



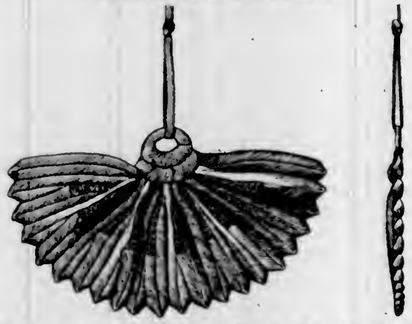
The ornamental design for a spoon or similar article substantially as shown.

103,703
DESIGN FOR A WASHING MACHINE
Walter K. Voss, Davenport, Iowa
Application January 9, 1936, Serial No. 60,488
Term of patent 3½ years



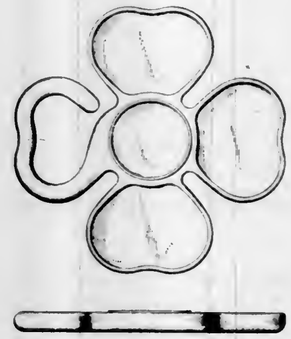
The ornamental design for a washing machine substantially as shown and described.

103,704
DESIGN FOR A DRESS ORNAMENT
Cornel Balog, New York, N. Y.
Application June 22, 1936, Serial No. 63,428
Term of patent 3½ years



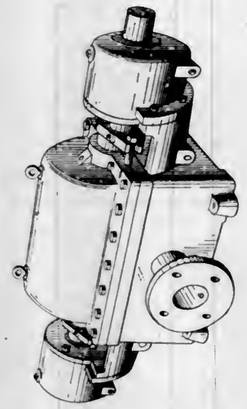
The ornamental design for a dress ornament substantially as shown.

103,705
DESIGN FOR A COCKTAIL COMPARTMENT PLATE
Gay Tiernan W. Banks, Annapolis, Md.
Application January 29, 1937, Serial No. 67,340
Term of patent 7 years



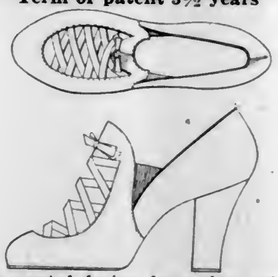
The ornamental design for a cocktail compartment plate, as shown.

103,706
DESIGN FOR A WET TYPE GAS PUMP
Carl Blom, Portland, Oreg., assignor to Bingham Pump Company, Inc., Portland, Oreg., a corporation of Oregon
Application March 14, 1936, Serial No. 61,628
Term of patent 14 years



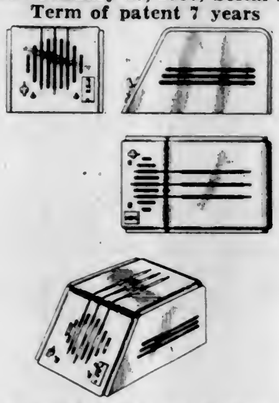
The ornamental design for a wet type gas pump as shown and described.

103,707
DESIGN FOR A SHOE
Leander T. Carey, Medford, Mass., assignor to Colella & Leighton Shoe Company, Lynn, Mass., a corporation of Massachusetts
Application December 24, 1936, Serial No. 66,743
Term of patent 3½ years



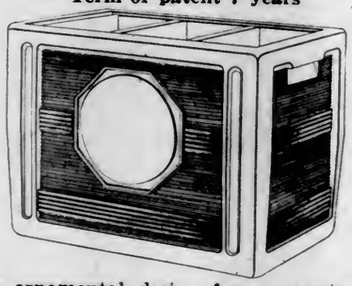
The ornamental design for a shoe substantially as shown.

103,708
DESIGN FOR A RADIO CABINET
Stuart J. Cardoza, Berkeley, Calif.
Application January 25, 1937, Serial No. 67,273
Term of patent 7 years



The ornamental design for a radio cabinet as shown.

103,709
DESIGN FOR A RECEPTACLE FOR BATTERIES OR SIMILAR ARTICLES
Oswald B. Carson, Scarsdale, N. Y., assignor to American Hard Rubber Company, New York, N. Y.
Application February 17, 1937, Serial No. 67,711
Term of patent 7 years



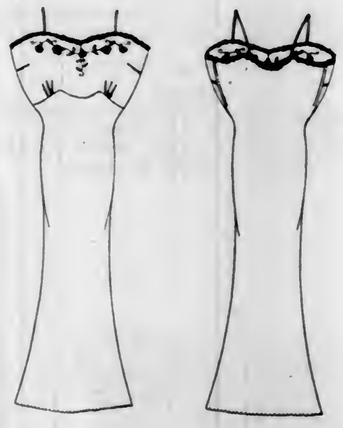
The ornamental design for a receptacle for batteries or similar articles, as shown and described.

103,710
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marcel Christen, New York, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application February 27, 1937, Serial No. 67,899
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown and described.

103,711
DESIGN FOR A SLIP
Harry Cohen, New York, N. Y.
Application February 8, 1937, Serial No. 67,506
Term of patent 3½ years



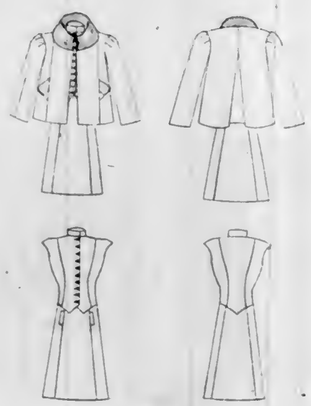
The ornamental design for a slip, substantially as shown.

103,712
DESIGN FOR A WASTEBASKET OR SIMILAR RECEPTACLE
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application January 21, 1937, Serial No. 67,168
Term of patent 7 years



The ornamental design for a wastebasket or similar receptacle, substantially as shown and described.

103,713
DESIGN FOR AN ENSEMBLE SUIT
Fred Corman, Brooklyn, N. Y.
Application February 5, 1937, Serial No. 67,454
Term of patent 3½ years



The ornamental design for an ensemble suit substantially as shown and described.

103,714
DESIGN FOR AN OFFICE CHAIR
Kenneth F. Davis and John J. Joseph, Buffalo, N. Y., assignors to The Sikes Company, Inc., Buffalo, N. Y.
Application January 16, 1937, Serial No. 67,106
Term of patent 3½ years



The ornamental design for an office chair, as shown.

103,715
DESIGN FOR A STOCKING DARNER
William A. Davis, Chicago, Ill.
Application July 31, 1936, Serial No. 64,161
Term of patent 14 years



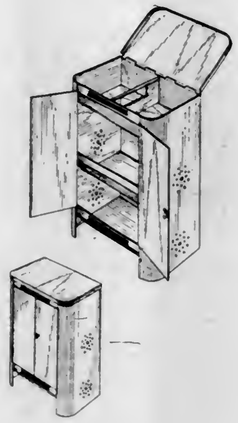
The ornamental design for a stocking darner, as shown.

103,716
DESIGN FOR A BLOUSE OR SIMILAR ARTICLE
Florence Hudson Enscore, New York, N. Y.
Application December 2, 1936, Serial No. 66,262
Term of patent 3½ years



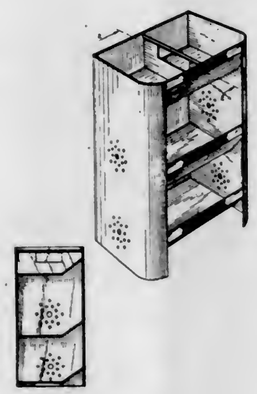
The ornamental design for a blouse or similar article, substantially as shown.

103,717
DESIGN FOR A VEGETABLE BIN OR SIMILAR ARTICLE
William B. Flanagan, Brooklyn, N. Y., assignor to A. Kreamer, Incorporated, Brooklyn, N. Y.
Application February 3, 1937, Serial No. 67,413
Term of patent 14 years



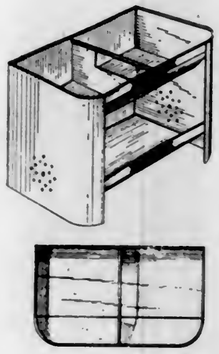
The ornamental design for a vegetable bin, or similar article, as shown.

103,718
DESIGN FOR A VEGETABLE BIN OR SIMILAR ARTICLE
William B. Flanagan, Brooklyn, N. Y., assignor to A. Kreamer, Incorporated, Brooklyn, N. Y.
Application February 3, 1937, Serial No. 67,414
Term of patent 14 years



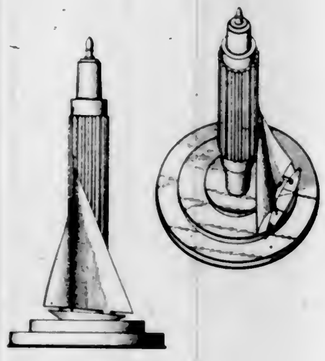
The ornamental design for a vegetable bin, or similar article, as shown.

103,719
DESIGN FOR A VEGETABLE BIN OR SIMILAR ARTICLE
William B. Flanagan, Brooklyn, N. Y., assignor to A. Kreamer, Incorporated, Brooklyn, N. Y.
Application February 3, 1937, Serial No. 67,415
Term of patent 14 years



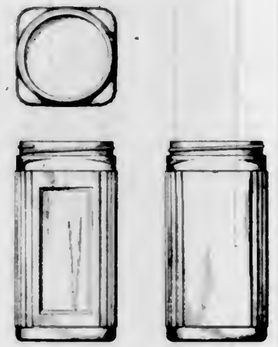
The ornamental design for a vegetable bin, or similar article, as shown.

103,720
DESIGN FOR A LAMP
Lester K. Franklin, Chicago, Ill.
Application September 21, 1935, Serial No. 58,656
Term of patent 7 years



The ornamental design for a lamp substantially as shown and described.

103,721
DESIGN FOR A JAR
Edwin W. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 27, 1937, Serial No. 67,301
Term of patent 14 years



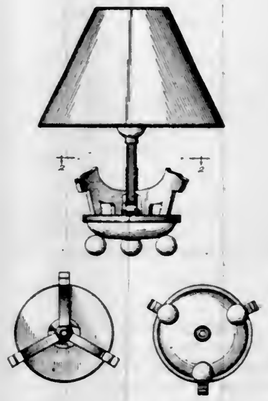
The ornamental design for a jar substantially as shown and described.

103,722
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application February 27, 1937, Serial No. 67,914
Term of patent 3½ years



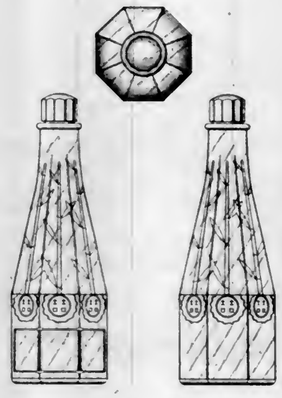
The ornamental design for a printed textile fabric or similar article as shown and described.

103,723
DESIGN FOR A LAMP
James H. Horsley, Chicago, Ill.
Application January 25, 1937, Serial No. 67,269
Term of patent 14 years



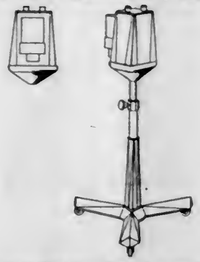
The ornamental design for a lamp, substantially as shown.

103,724
DESIGN FOR A BOTTLE
Peter S. Hyun, Los Angeles, Calif.
Application January 6, 1937, Serial No. 66,914
Term of patent 14 years



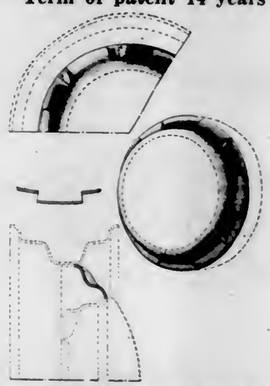
The ornamental design for a bottle as shown and described.

103,725
DESIGN FOR A COMBINED PEDESTAL AND HOUSING FOR VAPOR TREATMENT APPARATUS OR SIMILAR ARTICLE
John E. Kelley, Larchmont, N. Y.
Application November 5, 1936, Serial No. 65,704
Term of patent 7 years



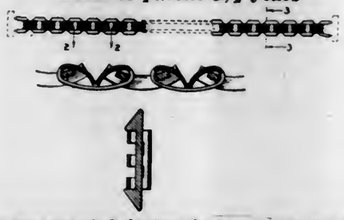
The ornamental design for a combined pedestal and housing for vapor treatment apparatus or similar article, substantially as shown and described.

103,726
DESIGN FOR A WHEEL
James M. Kerr, Royal Oak, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 17, 1936, Serial No. 64,456
Term of patent 14 years



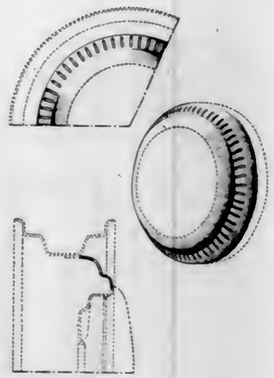
The ornamental design for a wheel substantially as shown and described.

103,727
DESIGN FOR A WATCH BRACELET OR SIMILAR ARTICLE
Jacques Kreisler, New Rochelle, N. Y., assignor to Jacques Kreisler Sales Corporation, New York, N. Y.
Application January 28, 1936, Serial No. 60,854
Term of patent 3½ years



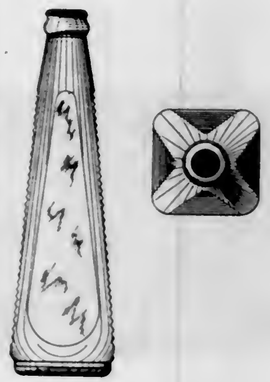
The ornamental design for a watch bracelet or similar article, as shown.

103,728
DESIGN FOR A WHEEL
Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 17, 1936, Serial No. 64,443
Term of patent 14 years



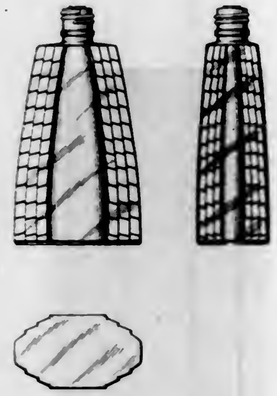
The ornamental design for a wheel substantially as shown and described.

103,729
DESIGN FOR A BOTTLE
Louis A. Leppke, Omaha, Nebr.
Application January 28, 1937, Serial No. 67,317
Term of patent 14 years



The ornamental design for a bottle substantially as shown.

103,730
DESIGN FOR A BOTTLE
Philip G. Lloyd Jackson Heights, N. Y., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application February 3, 1937, Serial No. 67,428
Term of patent 14 years



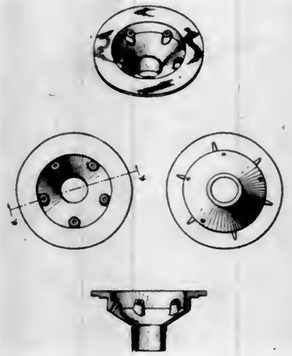
The ornamental design for a bottle, as shown.

103,731
DESIGN FOR A JUG
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 5, 1937, Serial No. 67,462
Term of patent 14 years



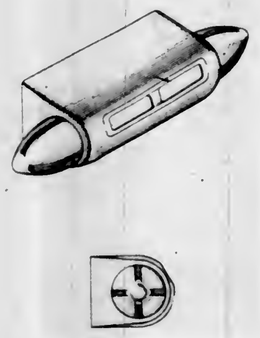
The ornamental design for a jug substantially as shown.

103,732
DESIGN FOR A FLUID FUEL BURNER
Birchard L. Matthews, Lakewood, and John T. Marvin, Fairview, Ohio, assignors to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Application January 27, 1936, Serial No. 60,842
Term of patent 7 years



The ornamental design for a fluid fuel burner, as shown and described.

103,733
DESIGN FOR A CONTROL DEVICE FOR RADIO RECEIVERS
Donald H. Mitchell, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application February 12, 1937, Serial No. 67,622
Term of patent 7 years



The ornamental design for a control device for radio receivers as shown.

103,734
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
James Mohan, Somerville, Mass., assignor to Fairclough & Gold, Inc., Boston, Mass., a corporation of Massachusetts
Application February 8, 1937, Serial No. 67,501
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

103,735
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
James Mohan, Somerville, Mass., assignor to Fairclough & Gold, Inc., Boston, Mass., a corporation of Massachusetts
Application February 8, 1937, Serial No. 67,502
Term of patent 3½ years



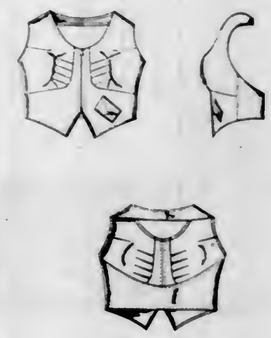
The ornamental design for a textile fabric or similar article, as shown.

103,736
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
James Mohan, Somerville, Mass., assignor to Fairclough & Gold, Inc., Boston, Mass., a corporation of Massachusetts
Application February 8, 1937, Serial No. 67,503
Term of patent 3½ years



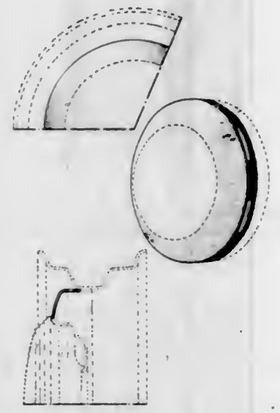
The ornamental design for a textile fabric or similar article, as shown.

103,737
DESIGN FOR A BRASSIERE VEST
Morris Newman, New York, N. Y.
Application January 14, 1937, Serial No. 67,054
Term of patent 3½ years



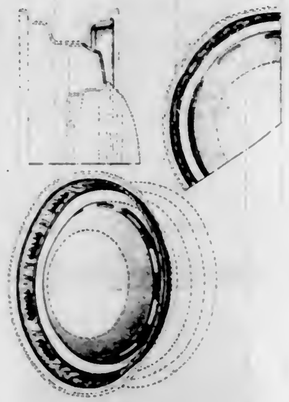
The ornamental design for a brassière vest substantially as shown.

103,738
DESIGN FOR A WHEEL
James W. Pattison, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 17, 1936, Serial No. 64,444
Term of patent 14 years



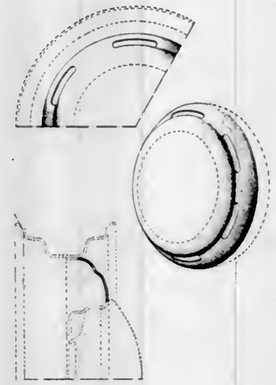
The ornamental design for a wheel, substantially as shown and described.

103,739
DESIGN FOR A WHEEL
James W. Pattison, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 17, 1936, Serial No. 64,446
Term of patent 14 years



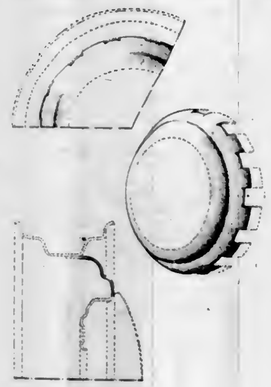
The ornamental design for a wheel, substantially as shown and described.

103,740
DESIGN FOR A WHEEL
James W. Pattison, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 17, 1936, Serial No. 64,447
Term of patent 14 years



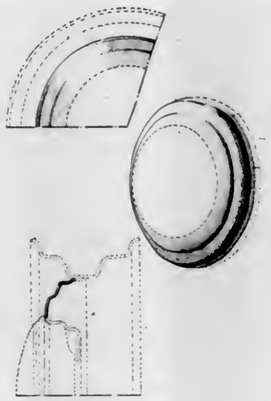
The ornamental design for a wheel, substantially as shown and described.

103,741
DESIGN FOR A WHEEL
James W. Pattison, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 17, 1936, Serial No. 64,449
Term of patent 14 years



The ornamental design for a wheel, substantially as shown and described.

103,742
DESIGN FOR A WHEEL
James W. Pattison, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 17, 1936, Serial No. 64,450
Term of patent 14 years

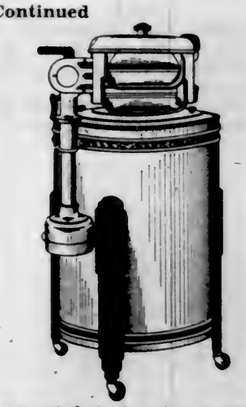


The ornamental design for a wheel, substantially as shown and described.

103,743
DESIGN FOR A COMBINED WASHING MACHINE CASING AND WRINGER
Fred C. Schwaneke, Jr., Kansas City, Mo., assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 1, 1936, Serial No. 62,926
Term of patent 7 years

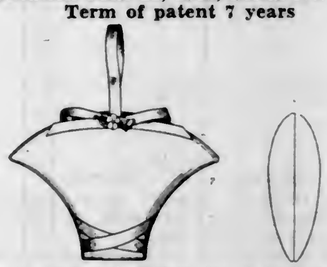


103,743—Continued



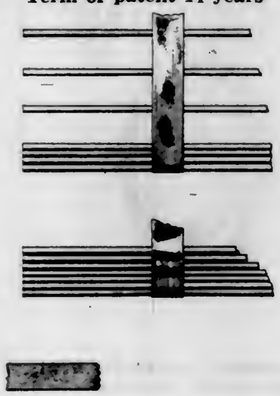
The ornamental design for a combined washing machine casing and wringer, as shown and described.

103,744
DESIGN FOR A SACHET
Lucie Marie Shover, New York, N. Y., assignor, by mesne assignments, to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application June 11, 1935, Serial No. 57,222
Term of patent 7 years

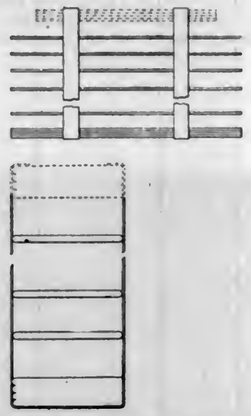


The ornamental design for a sachet substantially as shown and described.

103,745
DESIGN FOR A VENETIAN BLIND
John E. Speirs, Brooklyn, N. Y., assignor to Century Venetian Blind Co. Inc., New York, N. Y., a corporation of New York
Application April 15, 1936, Serial No. 62,134
Term of patent 14 years

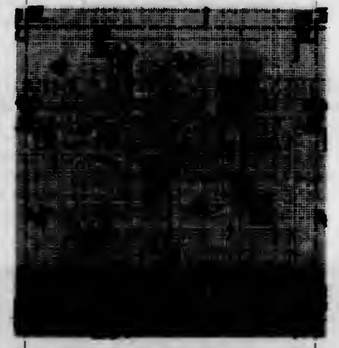


103,745—Continued



The ornamental design for a Venetian blind as shown and described.

103,746
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Jesse Stam, Cambridge, Mass., assignor to Fairclough & Gold, Inc., Boston, Mass., a corporation of Massachusetts
Application February 8, 1937, Serial No. 67,500
Term of patent 3½ years



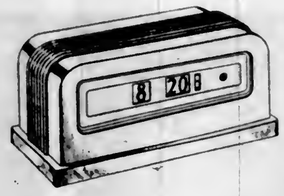
The ornamental design for a textile fabric or similar article, as shown.

103,747
DESIGN FOR A CYCLOMETER CLOCK CASE
Walter D. Teague, Forest Hills, N. Y., assignor to Warren Telechron Company, a corporation of Maine
Application February 9, 1937, Serial No. 67,519
Term of patent 14 years



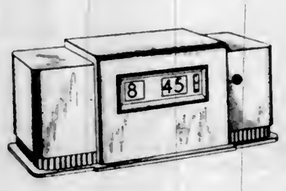
The ornamental design for a cyclometer clock case as shown and described.

103,748
DESIGN FOR A CYCLOMETER CLOCK CASE
Walter D. Teague, Forest Hills, N. Y., assignor to Warren Telechron Company, a corporation of Maine
Application February 9, 1937, Serial No. 67,520
Term of patent 14 years



The ornamental design for a cyclometer clock case as shown and described.

103,749
DESIGN FOR A CYCLOMETER CLOCK CASE
Walter D. Teague, Forest Hills, N. Y., assignor to General Electric Company, a corporation of New York
Application February 9, 1937, Serial No. 67,523
Term of patent 14 years



The ornamental design for a cyclometer clock case, as shown and described.

103,750
DESIGN FOR A RING
Frank L. Thorpe, Deadwood, S. Dak.
Application December 12, 1936, Serial No. 66,491
Term of patent 3½ years



The ornamental design for a ring, as shown.

103,751
DESIGN FOR A TEXTILE FABRIC
Joseph L. Titelbaum, New York, N. Y.
Application February 20, 1937, Serial No. 67,760
Term of patent 3½ years



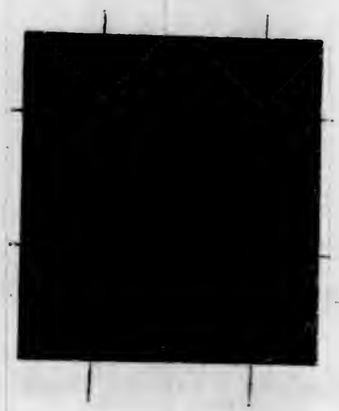
The ornamental design for a textile fabric, substantially as shown and described.

103,752
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application February 26, 1937, Serial No. 67,869
Term of patent 3½ years



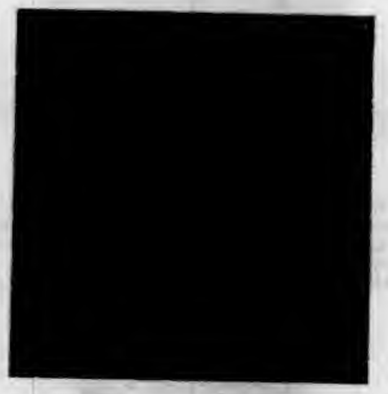
The ornamental design for a textile fabric, substantially as shown.

103,753
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application February 26, 1937, Serial No. 67,870
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

103,754
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application February 26, 1937, Serial No. 67,871
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

103,755
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application February 26, 1937, Serial No. 67,872
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

103,756
DESIGN FOR A PLASTIC TUBE OR SIMILAR ARTICLE
Edmund H. Tyson, Caldwell, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 30, 1936, Serial No. 63,580
Term of patent 7 years



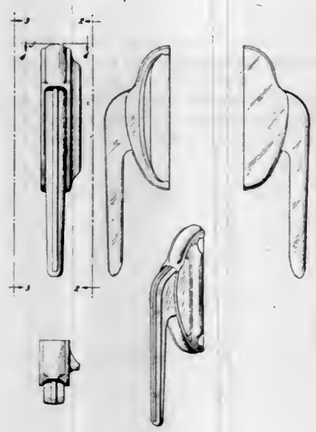
The ornamental design for a plastic tube or similar article, substantially as shown and described.

103,757
DESIGN FOR A CAKE KNIFE
Gilbert E. White, Milwaukee, Wis.
Application April 17, 1936, Serial No. 62,175
Term of patent 7 years



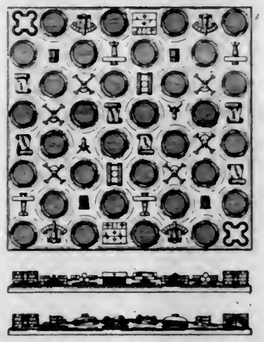
The ornamental design for a cake knife, as shown and described.

103,758
DESIGN FOR A DOOR HANDLE
Lloyd Anderson, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Delaware
Application January 18, 1937, Serial No. 67,126
Term of patent 3½ years



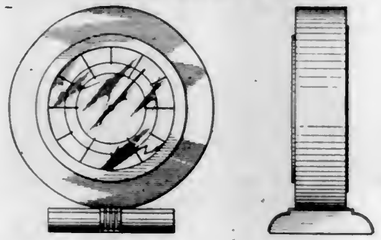
The ornamental design for a door handle, as shown.

103,759
DESIGN FOR A GAME BOARD
Herman Barna, St. Paul, Minn.
Application July 18, 1936, Serial No. 63,932
Term of patent 3½ years



The ornamental design for a game board, as shown.

103,760
DESIGN FOR AN INSTRUMENT CASE
H. Brainard Brown, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application February 5, 1937, Serial No. 67,470
Term of patent 7 years



The ornamental design for an instrument case, as shown.

103,761
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application November 9, 1936, Serial No. 65,802
Term of patent 14 years



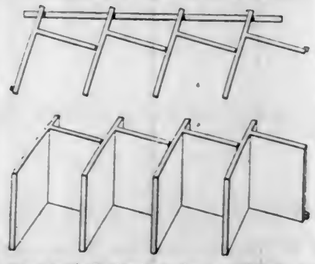
The ornamental design for a combined lamp and radio receiving set substantially as shown and described.

103,762
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Brooklyn, N. Y.
Application February 27, 1937, Serial No. 67,913
Term of patent 3½ years



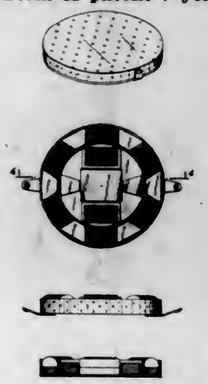
The ornamental design for a printed textile fabric or similar article as shown.

103,763
DESIGN FOR A DISPLAY RACK FOR PIECE GOODS
Carl Lang, New York, N. Y.
Application January 25, 1937, Serial No. 67,285
Term of patent 7 years



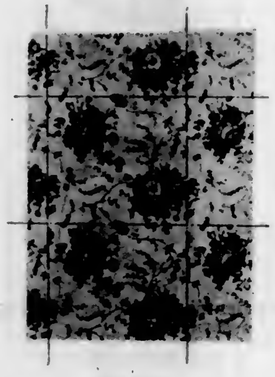
The ornamental design for a display rack for piece goods substantially as shown.

103,764
DESIGN FOR A COMBINED DISPLAY CONTAINER AND CARD GAME ACCESSORIES
Arthur Popper, New York, N. Y.
Application July 10, 1936, Serial No. 63,758
Term of patent 7 years



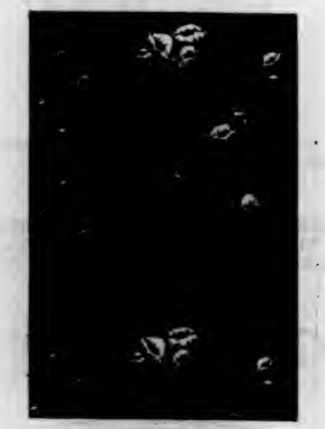
The ornamental design for a combined display container and card game accessories, as shown.

103,765
DESIGN FOR A TEXTILE FABRIC
Edwin Raphaels, New York, N. Y.
Application March 2, 1937, Serial No. 67,938
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

103,766
DESIGN FOR A TEXTILE FABRIC
Walter Ross, New York, N. Y., assignor to J. Rosenholz, New York, N. Y.
Application February 25, 1937, Serial No. 67,837
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

103,767
DESIGN FOR A BOAT
John Smith, Augusta, Ga.
Application December 4, 1936, Serial No. 66,322
Term of patent 14 years

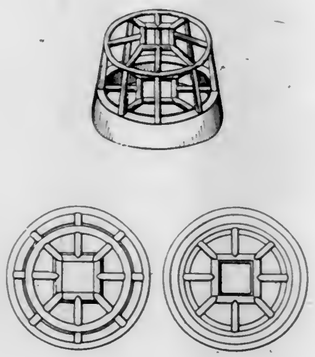
The ornamental design for a boat, substantially as shown.

103,768
DESIGN FOR A DRINK INDICATOR
Reuben Robert Smith, Philadelphia, Pa., assignor to Continental Distilling Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 25, 1937, Serial No. 67,278
Term of patent 14 years



The ornamental design for a drink indicator as shown and described.

103,769
DESIGN FOR A FLOWER HOLDER
Roy E. Spencer, Los Angeles, Calif., assignor to Dazey Manufacturing Co., Los Angeles, Calif., a corporation of California
Application July 29, 1936, Serial No. 64,111
Term of patent 14 years



The ornamental design for a flower holder, as shown.

103,770
DESIGN FOR A NAME PLATE
Wilburn H. Swanson, Morrison, Ill., assignor to Ice Cooling Appliance Corporation, Morrison, Ill., a corporation of Delaware
Application January 12, 1937, Serial No. 67,023
Term of patent 3½ years



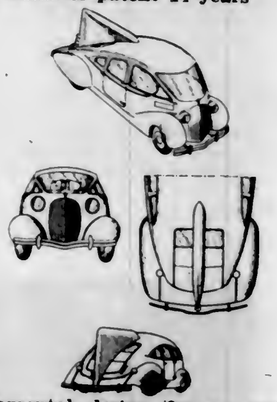
The ornamental design for a name plate, as shown.

103,771
DESIGN FOR BATHING TRUNKS
Theodore R. Upland, Burlingame, Calif., assignor to Gantner & Mattern Company, San Francisco, Calif., a corporation of California
Application January 15, 1934, Serial No. 50,407
Term of patent 14 years



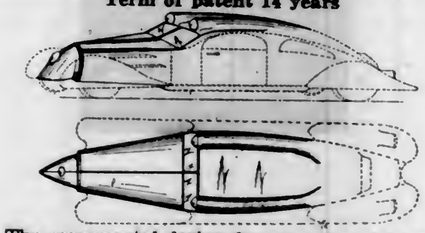
The ornamental design for bathing trunks as shown and described.

103,772
DESIGN FOR AN AUTOMOBILE
C. Charles Walker, Pittsburgh, Pa.
Application November 23, 1935, Serial No. 59,730
Term of patent 14 years



The ornamental design for an automobile, as shown.

103,773
DESIGN FOR AN AUTOMOBILE
Vincent Colonese, Cleveland, Ohio
Application December 1, 1936, Serial No. 66,239
Term of patent 14 years



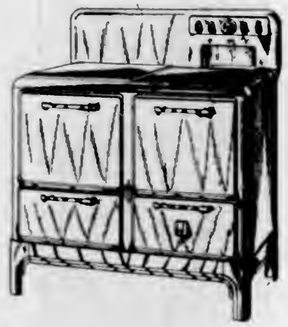
The ornamental design for an automobile substantially as shown and described.

103,774
DESIGN FOR A BOTTLE
John H. Funkey, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application February 10, 1937, Serial No. 67,568
Term of patent 14 years



The ornamental design for a bottle, as shown.

103,775
DESIGN FOR A GAS STOVE
Alexander R. Grant, Chicago, Ill., assignor to The Moore Corporation, Joliet, Ill., a corporation of Delaware
Application January 31, 1936, Serial No. 60,930
Term of patent 14 years



The ornamental design for a gas stove as shown and described.

476 O. G.—60

103,776
DESIGN FOR A BACK GUARD PANEL FOR STOVES
Alexander R. Grant, Chicago, Ill., assignor to The Moore Corporation, Joliet, Ill., a corporation of Delaware
Application January 31, 1936, Serial No. 60,931
Term of patent 14 years



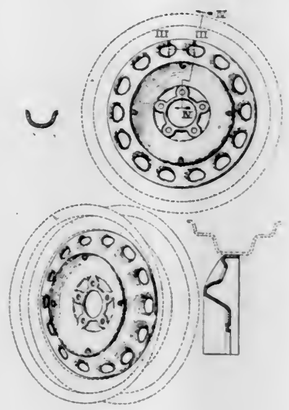
The ornamental design for a back guard panel for stoves as shown.

103,777
DESIGN FOR A RADIO CABINET
Alfred G. Hoffman, Cincinnati, Ohio, assignor to Midwest Radio Corporation, a corporation of Ohio
Application August 12, 1936, Serial No. 64,365
Term of patent 3½ years



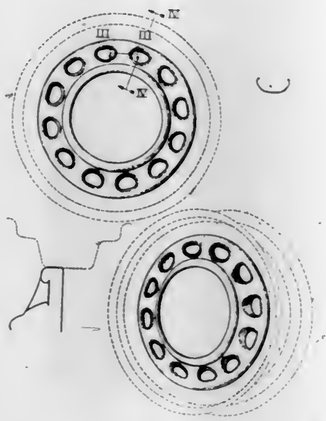
The ornamental design for a radio cabinet, substantially as shown and described.

103,778
DESIGN FOR A WHEEL
J Harold Hunt, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application June 7, 1934, Serial No. 52,087
Term of patent 7 years



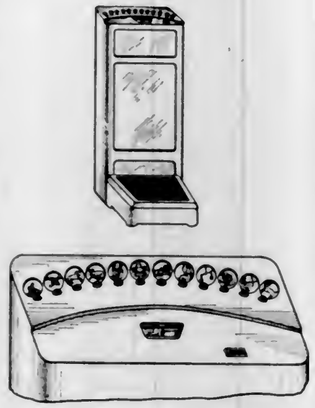
The ornamental design for a wheel, as shown.

103,779
DESIGN FOR A WHEEL
J Harold Hunt, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application June 7, 1934, Serial No. 52,089
Term of patent 7 years



The ornamental design for a wheel, as shown and described.

103,780
DESIGN FOR A PLATFORM SCALE
Claude R. Kirk, River Forest, Ill.
Application February 8, 1937, Serial No. 67,515
Term of patent 14 years



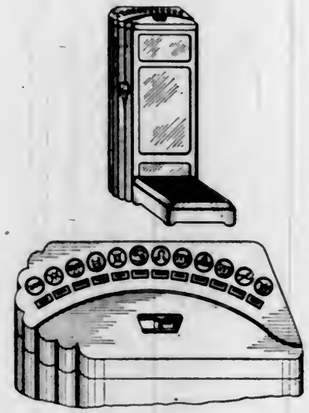
The ornamental design for a platform scale, as shown.

103,781
DESIGN FOR A PLATFORM SCALE
Claude R. Kirk, River Forest, Ill.
Application February 17, 1937, Serial No. 67,717
Term of patent 14 years



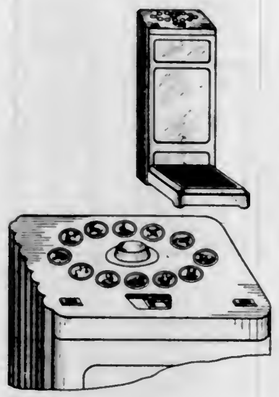
The ornamental design for a platform scale, as shown.

103,782
DESIGN FOR A PLATFORM SCALE
Claude R. Kirk, River Forest, Ill.
Application February 17, 1937, Serial No. 67,718
Term of patent 14 years



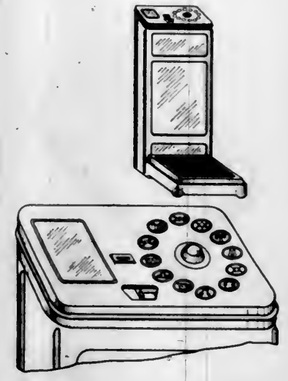
The ornamental design for a platform scale, as shown.

103,783
DESIGN FOR A PLATFORM SCALE
Claude R. Kirk, River Forest, Ill.
Application February 19, 1937, Serial No. 67,739
Term of patent 14 years



The ornamental design for a platform scale, as shown.

103,784
DESIGN FOR A PLATFORM SCALE
Claude R. Kirk, River Forest, Ill.
Application February 26, 1937, Serial No. 67,880
Term of patent 14 years



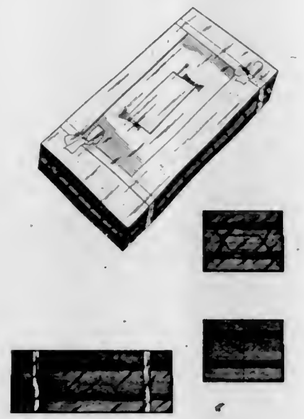
The ornamental design for a platform scale, as shown.

103,785
DESIGN FOR A BOTTLE
William R. Kohl, Cumberland, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application February 13, 1937, Serial No. 67,656
Term of patent 14 years



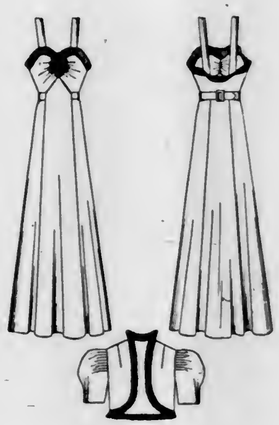
The ornamental design for a bottle, as shown.

103,786
DESIGN FOR A COMBINED TRANSPARENT CARTON AND CLEANSING TISSUE DISPLAY
William Medoff, Brooklyn, N. Y., assignor to National Cellulose Corporation, New York, N. Y., a corporation of New York
Application April 16, 1936, Serial No. 62,156
Term of patent 7 years



The ornamental design for a combined transparent carton and cleansing tissue display, substantially as shown.

103,787
DESIGN FOR A DRESS ENSEMBLE
Margaret Michelson, New York, N. Y.
Application January 30, 1937, Serial No. 67,361
Term of patent 3½ years



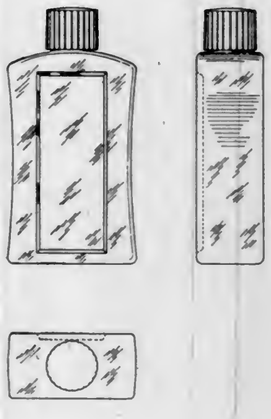
The ornamental design for a dress ensemble, substantially as shown, and described.

103,788
DESIGN FOR A DRESS ENSEMBLE
Margaret Michelson, New York, N. Y.
Application February 6, 1937, Serial No. 67,490
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

103,789
DESIGN FOR A COMBINED BOTTLE AND CAP CLOSURE
Ferdinand W. Nitardy, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
Application June 6, 1935, Serial No. 57,165
Term of patent 14 years



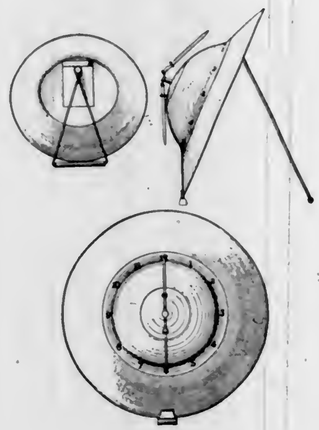
The ornamental design for a combined bottle and cap closure substantially as shown and described.

103,790
DESIGN FOR A VENT PLUG FOR STORAGE BATTERIES
Robert M. Raney, Euclid, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application January 5, 1937, Serial No. 66,896
Term of patent 14 years



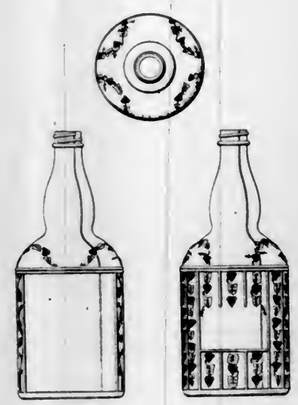
The ornamental design for a vent plug for storage batteries substantially as shown.

103,791
DESIGN FOR A CLOCK
Albert H. Rusch, Elizabeth, N. J.
Application January 14, 1937, Serial No. 67,067
Term of patent 14 years



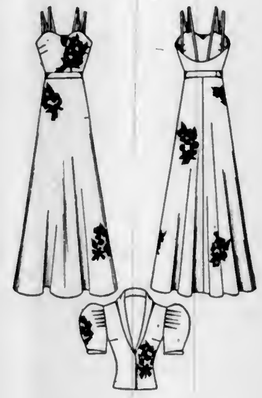
The ornamental design for a clock, as shown.

103,792
DESIGN FOR A BOTTLE
James S. Steelman, Millville, N. J., assignor to Whitall Tatum Company, Millville, N. J., a corporation of New Jersey
Application February 5, 1937, Serial No. 67,458
Term of patent 14 years



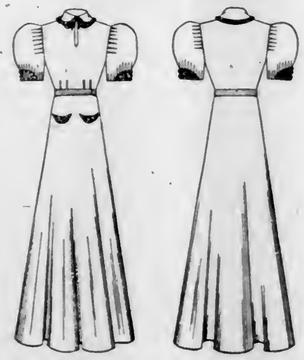
The ornamental design for a bottle as shown and described.

103,793
DESIGN FOR A DRESS ENSEMBLE
Philip Wenett, New York, N. Y.
Application January 28, 1937, Serial No. 67,310
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

103,794
DESIGN FOR A DRESS
Philip Wenett, New York, N. Y.
Application January 28, 1937, Serial No. 67,308
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

103,795
DESIGN FOR A MICROPHONE UNIT OR THE LIKE
Gabriel M. Giannini, New York, N. Y.
Application August 21, 1936, Serial No. 64,505
Term of patent 14 years



The ornamental design for a microphone unit or the like, substantially as shown and described.

Patents Nos. 2,075,004 to 2,075,786

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 476—No. 5 TUESDAY, MARCH 30, 1937 Price—$16 per year

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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March 30, 1937

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Reissues	7—No.	20,312 to No.	20,318, inclusive.
Plant Patents	1—No.	240.	
Patents	783—No.	2,075,004 to No.	2,075,786, inclusive.
Designs	126—No.	103,796 to No.	103,921, inclusive.
Total	1,191		

Notice

Plant Patents—Not a Guarantee of Quality or Merit

U. S. PATENT OFFICE, *Washington, Feb. 25, 1937.*

This Office has been informed by the Department of Agriculture that there appears to be a widespread impression that the issuing of a plant patent is the equivalent of an endorsement by the Government of high quality and merit of the plant patented; and that some nurserymen are giving this interpretation to the significance of a plant patent.

Such an interpretation is absolutely incorrect. Under the terms of the patent statute any "distinct and new variety of plant" that is asexually propagated, except tuber-propagated plants, may, under certain specified conditions, be patented. The one and only implication which can be drawn from the grant of the patent, so far as the Government is concerned, is that the plant of the patent is "distinct and new".

CONWAY P. COE,
Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,909,164, C. A. Bulkeley, Ventilating apparatus, decided February 9, 1937, claims 1, 2, 5, 7, 8, 9, and 11.

Pat. 2,059,193, L. J. Bayer, Soot blower, decided March 2, 1937, claim 2.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Mar. 11, 1937.*

Clifford R. Carney, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the applications for patent of Clarence E. Journey, 5810 South Normandie Avenue, Los Angeles, California, Herbert G. Breitenstein, 4619 Ravenswood Avenue, Chicago, Illinois, and Clifford R. Carney, Post Office Box 1406, Miami, Florida. The attorneys who represented the party Carney, in withdrawing from the case, gave the present address of Carney as % Cliff Electric Co., 140 Seybold Arcade, Miami, Florida. A copy of an office action sent to said Carney at this last mentioned address, has been returned by the post office as undeliverable. Notice is hereby given that unless said Carney, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Notice

In accordance with the provisions of Rule 17 of the Rules of Practice in the United States Patent Office, an examination for the registration of attorneys to practice before the United States Patent Office will be held on May 19, 1937.

This examination may be taken in any of the large cities of the country and will be given under the direction of the Civil Service Commission. Applications to take the examination should be made to the Commissioner of Patents and such applications must be received in the Patent Office not later than May 4, 1937.

Application blanks may be obtained from the Chief Clerk of the Patent Office.

LESLIE FRAZER,
Chairman of the Committee on Enrollment and Disbarment.

Condition of Applications Under Examination at Close of Business March 13, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 37,263; Trade-Mark Division, 1,674. Oldest new case, Sept. 4, 1936; oldest amended, Aug. 29, 1936.)
(The dates given are 1936 except where † indicates 1937)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Nov. 12	Dec. 28	443
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry: Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Oct. 24	Oct. 14	781
4083	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Dec. 15	Dec. 14	464
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Nov. 16	Nov. 14	599
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Dec. 4	Dec. 4	495
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Nov. 10	Nov. 13	718
5725	7. JARBOE, C. O., Optics; Photography	Dec. 14	Dec. 14	823
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Nov. 24	Nov. 18	481
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Dec. 22	Dec. 22	454
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Dec. 8	Dec. 19	421
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Dec. 16	Dec. 15	401
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Oct. 9	Oct. 27	672
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Dec. 18	Dec. 23	476
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Dec. 2	Dec. 2	597
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Dec. 9	Dec. 9	943
5612	16. SPENCER, C. J., Telegraphy; Telephony	Nov. 17	Nov. 17	614
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 14	Dec. 15	553
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 17	Nov. 16	496
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Nov. 24	Nov. 24	716
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Dec. 8	Dec. 10	469
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 14	Dec. 15	610
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Dec. 14	Dec. 14	606
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Sept. 4	Aug. 29	237
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 18	Dec. 24	564
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 14	Dec. 13	535
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Dec. 31	Dec. 31	426
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Oct. 1	Oct. 1	807
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Dec. 9	Dec. 4	311
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Dec. 17	Dec. 17	433
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 13	Nov. 13	729
4716	31. DUNCOMBE, C. S., Mineral Oils: Hydrocarbons	Dec. 15	Dec. 15	460
4086	32. LESH, CARL (Act.), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating.	Dec. 15	Dec. 12	465
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Dec. 14	Dec. 16	627
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Dec. 31	†Jan. 6	299
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Oct. 16	Oct. 19	701
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	†Jan. 6	Dec. 23	281
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Nov. 6	Nov. 4	736
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Dec. 16	Nov. 28	402
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 20	Nov. 16	433
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Nov. 9	Nov. 9	1131
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Oct. 15	Oct. 20	452
5882	42. CUTTING, H. O., Electric Signaling	Dec. 3	Dec. 12	395
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Dec. 13	Dec. 13	624
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Nov. 18	Nov. 13	615
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Nov. 6	Nov. 13	638
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Nov. 28	Nov. 28	438
7600	47. BARKER, H., Clutches; Brakes	Dec. 18	Dec. 21	426
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 14	Dec. 14	530
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Dec. 14	Dec. 10	420
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Dec. 13	Dec. 13	620
5628	51. BACKUS, C. D., Radiant Energy	Dec. 10	Dec. 10	718
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 19	Dec. 14	583
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Oct. 26	Oct. 26	1013
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Dec. 28	Dec. 28	367
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 23	Nov. 2	824
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Nov. 23	Nov. 19	855
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Nov. 21	Nov. 16	549
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Dec. 21	Dec. 19	322
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	Dec. 28	Dec. 28	390
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Oct. 30	Oct. 26	613
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Dec. 24	Dec. 18	303
3876	62. PUCHI, E. C., Games; Geometrical Instruments	Dec. 16	Dec. 23	457
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting and Fermentation	Dec. 9	Dec. 8	527
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Dec. 14	Dec. 14	848
5624	65. McDERMOTT, F. P., Electricity. Conductors; Repeaters; Relays; Wave Transmission	Oct. 7	Oct. 10	749
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	†Feb. 10	†Feb. 27	1407
	{Labels and Prints	†Feb. 13	†Feb. 26	267
2605	Designs, H. H. KALUPY	†Feb. 15	†Mar. 1	580

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

HAZELTINE CORPORATION AND HAROLD A. WHEELER *v.* COE, COMMISSIONER OF PATENTS

No. 6,576. Decided December 7, 1936

PATENTABILITY—RADIO RECEIVING SYSTEM.

Claims for a radio receiving system *Held* patentable.

APPEAL from the Supreme Court of the District of Columbia. Reversed.

Mr. Clarence M. Fisher and *Mr. Lawrence B. Dodds* for Hazeltine Corporation and Harold A. Wheeler.

Mr. R. F. Whitehead and *Mr. Harry S. Mackey* for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, GRONER, and STEPHENS, Associate Justices

ROBB, *A. J.*:

Appeal by Hazeltine Corporation and Harold A. Wheeler from a decree in the Supreme Court of the District (now District Court of the United States) dismissing their bill brought under the provisions of Sec. 4915, R. S., as amended (35 U. S. C. A. Sec. 63), to authorize the issuance of a patent on an application by appellant Wheeler.

The application relates to radio receivers having an automatic volume control, with a visual indicator to show when the set is tuned to true resonance with the incoming carrier current.

We agree with the tribunals of the Patent Office that it is unnecessary to describe the particular details of the structures disclosed, as the decisions of the Patent Office tribunals and the decree of the court below are based upon the ground that the system defined by the claims does not amount to patentable invention over the disclosures of certain patents. In other words, it is not contended that appellant Wheeler did not evolve the system he claims to have evolved; the contention being that the claims are unpatentable over the Friis patent (1,675,848), in view of the Perry patent (1,536,130), and that no invention would be involved in applying to the constant volume radio receiver, as shown in the Friis patent, a visual indicator to indicate resonance, as shown in the Perry patent.

Claims 68, 69, and 72 to 77, inclusive, are involved. The parties agree that claims 69 and 74 are sufficiently illustrative, and we reproduce them:

69. In a radio receiving system responsive to signals having a large range of input intensities, an automatic control electrically linking portions of said system for maintaining the signal output intensities of said system within a small range, and means of small range for visually indicating said output intensities and thereby automatically indicating said input intensities.

74. In a high-frequency receiving system, an electron discharge device having an anode circuit, a cathode and a grid, a tuned circuit connected between the cathode and grid whereby the receiving system may be adjusted to respond to current of desired frequency, sound reproducing means, means for supplying current from the device to said sound reproducing means, means for controlling the static potential on the grid in response to the intensity of the received current thereby to produce a substantially constant volume of sound from the sound reproducing means over a range of intensities of received current, and means responsive to the magnitude of current flowing in the anode circuit for visually indicating the condition of adjustment of the tuned circuit with reference to the frequency of received current, whereby said tuned circuit may be adjusted in accordance with said last-named means independently of the audible indication supplied by the sound reproducing means.

The evidence in the court below discloses that important characteristics of a radio receiver are sensitivity, "by which the receiver is capable of reaching out and pulling in the distant stations"; selectivity, whereby the receiver is capable of receiving the desired signal and rejecting undesired signals; fidelity, the ability of the receiver to reproduce accurately the tone quality of the program being received; and, last, but not least, simplicity of control—which enables the user to obtain satisfactory reception by a minimum number of adjustments.

At the time of the filing of the Wheeler application (July 7, 1927), radio receivers were quite satisfactory with respect to sensitivity and selectivity, but were not so satisfactory with respect to simplicity of control or adjustment. This was due to the fact that there were a multitude of broadcasting stations, some weak, some strong, some local, and some distant. As a result, with an adjustment of the volume control of the receiver to a point sufficiently high to receive the weakest signals within the sensitivity limit of the receiver, operation of the tuning dial over its range would result in a deafening volume from the strongest of the stations—termed in the art, "blasting." To avoid this, the user could continually adjust the volume control while tuning to a desired station. It was to overcome this annoying necessity that Wheeler devised the system set forth in the claims. The result was highly satisfactory. Although there had been a demand for that type of system, including an automatic amplification control and a tuning indicator, none was previously known to radio engineers which it was possible to adapt to radio receivers. As the witness Langley testified,

"it was the first indication that I had had, as an executive engineer in the industry, that there was any method of producing the type of receiver we are here talking about, that was at all feasible commercially."

Mr. Langley is a consulting engineer of wide practical experience, including service as engineer in charge of receiver design for the General Electric Company, with a staff of 30 radio engineers, and director of engineering for the Crosley Radio Company, with a staff of 60 radio engineers. He had for two years made a continuous and detailed study of the art of automatic amplification control.

Mr. Langley further testified, with respect to the system under consideration,

"that it is now possible to build a receiver (and has been possible since Wheeler's teachings became available), which can be easily and quickly tuned to any desired signal without any terrific blasts of sound while the set is being tuned, and after it is tuned the amplification is automatically adjusted to the correct value, and the tuning meter indicates what the strength of the signal is relative to other signals."

The principal reference relied upon in the Patent Office and in the court below was the patent to Perry, 1,536,130, May 5, 1925. Of the references cited, this was the only patent to issue prior to Wheeler's filing date (July 7, 1927). Perry's patent relates to a two-way radio printing telegraph system, each station being both a receiving and a transmitting station. The system disclosed in this patent is only useful for a "point to point" communication system; that is, from a particular transmitter to a particular receiver. It is obvious that the problem involved in the Perry patent and the operating characteristics are quite different from those of a radio broadcast receiver. One reason that the Perry structure could not be used in a radio receiver is that it includes no means for selecting one of the plurality of broadcast signals and rejecting the undesired signals. There is disclosed no automatic amplification control in that patent. Moreover, if it be assumed that the Perry system could be used for receiving broadcast signals, his meter would be of little value because there has been no meter devised which would cover more than an exceedingly small fraction of the range of broadcast signals received.

But it is not contended that the Perry patent alone anticipates the Wheeler system. The patents to Friis, 1,675,848, July 3, 1928, Heising, 1,823,360, September 14, 1931, and Affel, 1,574,780, March 2, 1926, issued after the date of the Wheeler disclosure but on earlier filed applications (Friis filed November 29, 1924; Heising, July 6, 1925; and Affel, October 5, 1921), are also cited.

In *Milburn Co.* v. *Davis Co.*, 270 U. S. 390, it was held that where a patent application fully and adequately disclosed, but did not claim, the thing patented to a later applicant alleging a later date of invention, the later applicant was not the "first inventor" within R. S. 4920. That was a suit by the Davis Co., owner of the Whitford patent, for its infringement. Whitford's application was filed on March 4, 1911, and the patent was issued June 4, 1912. There was no evidence carrying Whitford's invention further back. Clifford's application was filed on January 31, 1911, before Whitford's. His patent was issued on February 6, 1912. It was not disputed that the Clifford application "gave a complete and adequate description of the thing patented to Whitford" although not claimed by Clifford. The court further observed:

"The description shows that Whitford was not the first inventor. • • • The question is not whether Clifford showed himself by the description to be the first inventor. • • • The question is whether Clifford's disclosure made it possible for Whitford to claim the invention at a later date. • • • A disclosure that would bar a patent if printed in a periodical or in an issued patent is equally effective in an application so far as reduction to practice goes."

It will be observed that in the Milburn Co. case the earlier application "gave a complete and adequate description of the thing" patented to the later applicant. In the present case it is not even contended that the Friis, Heising, and Affel applications, either singly or in combination, completely and adequately disclose the claims of the Wheeler application—that is, the system embraced in the Wheeler disclosure. That being so, they do not prevent an award to Wheeler as the first inventor.

That Wheeler was the first to evolve the system set forth in the claims and thus make an important and useful advance in a highly technical art is clear. Wheeler has thus satisfied the requirements of the statute entitling him to a patent, namely, "invented or discovered" a "new and useful improvement" of an art. To deny him a patent would be to accept theory in place of fact. The Patent Office finds no fault with the phraseology of his claims nor questions their accuracy in defining his invention.

Being of the view that Wheeler's assignee, the Hazeltine Corporation, is entitled to a patent, the decree is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE BENDER

No. 3717. Decided December 7, 1936

[86 F.(2d) 333]

PATENTABILITY—PROCESS OF PREPARING A RESIN. Claims for a process of preparing a resin *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. Joseph N. Niclson, Mr. Charles H. Potter and *Mr. Harold T. Stowell* for Bender.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.*:

The appellant filed his application in the United States Patent Office on April 16, 1931, for a patent on certain claimed new and useful improvements in resin dehydration. All the claims in the case, 30 to 37, inclusive, were rejected by both tribunals in the Patent Office. In this court appellant moves to dismiss his appeal as to claim 37. The Examiner rejected the claims on the following references: Novotny, 1,771,140, July 22, 1930; Pollak et al., 1,935,411, Nov. 14, 1933.

Claims 32 and 34 are typical, and are as follows:

32. Process of preparing a resin of the heat-hardening type which comprises reacting the ingredients forming the resin in the presence of water, partially removing water from the reaction mixture, projecting the mixture in the form of finely divided particles into a current of relatively dry gas heated to a temperature causing volatilization of the liquid and sufficiently high to cause fusing and heat-hardening of the resin, and limiting the time of contact of the heated gas with the mixture so as to secure substantial removal of the liquid but without transforming the resin to its heat-hardened state.

34. Process for removing volatile liquid from a fluid mixture including with the volatile liquid a synthetic resin hardening to a solid infusible state upon heating which comprises projecting the mixture in the form of finely divided particles into a current of relatively dry gas heated to a temperature causing volatilization of the liquid and sufficiently high to cause fusing and heat-hardening of the resin, and directing the particles after contact with the heated gas into a relatively cool zone to arrest any heat-hardening action of the resin and promote solidification by cooling, limiting the time of contact of the heated gas with the mixture so as to secure substantial removal of the liquid but without transforming the resin to its heat-hardened state.

The claims were rejected on both references, and this view was concurred in by the Board of Appeals.

The appellant's process is one for dehydrating synthetic resins, more particularly resinoids. In practicing his process, the applicant has in mind the removal of water and other impurities from resinoids to the point where the resulting product can be easily molded and worked. The purpose is to approach but not to reach an infusible state by the application of heat, thus removing the impurities without reaching the stage where the material cannot, by reason of hardening, be easily manipulated. In practicing the process, customarily water is first removed by the reaction process in a digestor. Thereafter the fluid resinous substance is sprayed in a finely divided spray into a heated gas stream where it is subjected, for a brief period, to the action of such stream of heated gas, which is of a temperature sufficient to cause volatilization of the sprayed liquid and sufficiently high to cause fusing and heat-hardening of the same. The time within which the sprayed resin is thus subjected to the heated current of air or gas is limited, so that the hardening into an infusible state will not occur. After passing through this stream of heated gas for a limited period, the particles which have been formed during the spraying process fall through a chamber, and while so falling are subjected to the action of a cooling zone wherein these particles are subjected to the action of a current of relatively cool gas to further arrest any heat-hardening process. The result is a powdered product which is at once available for molding and manufacture.

The reference patents will be briefly described:

Novotny discloses a process for the accomplishment of the same purpose, namely, to produce a product which has not been polymerized, and which is adapted to easy manipulation. Novotny discloses that he sprays the resinous mass into very fine particles of almost molecular size, and this spray is maintained in a fine state of division "either in a current of relatively cool air or in a spray or bath of water." It is quite evident, from a perusal of Novotny's patent, that his underlying idea is to cool the incoming current of sprayed resinoid as soon as it leaves the spray. He states in his specification:

As the molecular division of the spray nozzle treated resinous product is more or less affected by heat and tends to pack and fuse together, the sudden chilling and elimination of impurities in the water bath prevents further fusion • • •

It further appears, from the patent, that the spray is operated and the resinous mass projected by the impact of nozzle air heated to about 240° F. The patent recites that the resinous stream is preferably directed into a spray or body of water "to rapidly cool the resin." However, the patent also recites, "Where air drying is used the air current should have a temperature of from 100 to 110° F. and a sufficient velocity to float the subdivided particles to a suitable air separator."

After the resinous spray passes through the water or cooling air, no further steps are added to the process, but the resulting product is supposed to be ready for manipulation.

As it seems to the court, the Examiner misconstrued the disclosure of Novotny. The Examiner states:

Novotny discloses, as a process for removing water and other volatile constituents from heat-hardenable synthetic resin, spraying the resin into hot air having preferably a temperature of about 240° F. and then bringing it in contact with relatively cooler air of 100°–110° F. • • •

The Novotny disclosure shows a spraying by means of the force of a current of air of 240° F. but the liquid is not sprayed into such a current. Herein, it seems to us, both the Examiner and the Board of Appeals fell into error. It is true the material is subjected in the Novotny process to contact with such a heated current of air, but such contact is but momentary, and long enough only to project the spray.

The patent to Pollak et al. shows a process for the manufacture of compositions from the products produced by the condensation of urea, thiourea, and the like, with aldehydes or their polymers, and describes a process wherein,

"products of a low degree of polymerization are produced by allowing the condensation solution to gelatinize whilst being subjected to the finest possible mechanical subdivision, after which the powder is dried until the physically combined water has been expelled, polymerization being however retarded meanwhile."

In so doing, the patentee sprays the condensation solution "against a current of warm air." After this, it is said, the powder resulting therefrom can be used at once. The object is to produce a product which is not polymerized and can be easily molded and manipulated without resulting bad effects.

The temperature of the warm air into which the spray is projected is not given, nor is there any further cooling process after such spraying through this current of warm air. This patent also discloses the possible use of fibrous material mixed with the condensation mass.

We are unable to agree that claims 30 to 36, inclusive, here involved, were properly rejected. As it seems to the court, the processes of the patents, while aimed at the same objective, operated quite differently. This applicant has perfected a process in and by which he sprayed his resinous product into a stream of air or gas which was high enough in temperature to volatilize the liquid and to cause fusing and heat-hardening, and relies for his failure to reach the complete polymerization point by limiting the time of exposure to such stream of heated gas or air. Both Novotny and Pollak et al. have in mind the immediate cooling of the resinous spray. While Pollak et al. do not do this as rapidly as Novotny, still they use warm air, bringing the same in contact with the resinous mass which must be heated to a higher degree in order to make it sprayable.

In addition to this point, the applicant has added another novel step to his process, so far as this record shows, to which but little attention has been paid by the tribunals of the Patent Office, namely, that of bringing the resinous spray through a cooling zone after first subjecting it to the action of a current of hot air for a limited period. This latter

element is shown plainly in rejected claims 34, 35, and 36, the language of claim 34 being typical,

"and directing the particles after contact with the heated gas into a relatively cool zone to arrest any heat-hardening action of the resin and promote solidification by cooling."

We are of opinion that claims 30 to 36, inclusive, should have been allowed.

The appeal is dismissed as to claim 37, and the decision of the Board of Appeals as to claims 30 to 36, inclusive, is reversed.

Reversed.

Patent Suits

[Notices under sec. 4921, R. S. as amended Feb. 18, 1922.]

1,247,540, 1,247,542, Re. 15,140, 1,286,017, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for the purification of sewage; 1,343,797, Stott & Jones, Aeration of sewage, etc., D. C. Minn., 1st Div., Doc. E 338, *Activated Sludge, Inc.*, v. *Village of West Concord, Minn.* Dismissed by stipulation Jan. 26, 1937.

1,247,542. (See 1,247,540.)

1,254,196, C. Bergmann, Jr., Automatic clutching or starting device; 1,527,588, W. O. Kennington, Gearing for starting internal combustion engines, C. C. A., 2d Cir., Doc. —, *Eclipse Machine Co.* v. *E. Krieger & Son, Inc.* Decree affirmed (notice Feb. 8, 1937).

1,282,587. (See 1,247,540.) 1,286,017. (See 1,247,540.)

1,337,333, 1,508,031, H. S. Simpson, Foundry mixer; 1,512,536, T. A. Hibbins, same, D. C., E. D. N. Y., Doc. E 7955, *H. S. Simpson et al.* v. *W. H. Nicholls Co., Inc.* Consent decree for plaintiff Feb. 15, 1937.

1,343,797. (See 1,247,540.)

1,403,475 (*a*), H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,936,162, R. A. Heising, Transmission system; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., S. D. Calif. (Los Angeles), Doc. 1064–C, *R. C. A. et al.* v. *B. S. Rothenstein* (*Pathe Radio & Television Co.*). Decree pro confesso for plaintiff, injunction Feb. 8, 1937.

1,403,475 (*b*), H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., S. D. Calif. (Los Angeles), Doc. 1064–C, *R. C. A. et al.* v. *B. S. Rothenstein* (*Pathe Radio & Television Co.*). Decree pro confesso for plaintiff, injunction Feb. 8, 1937.

1,403,932. (See 1,403,475 (*a*) and (*b*).)

1,429,207, Koppelman & Cooper, Packing for fragile articles; 1,445,780, Mann & Koppelman, Packing for eggs, etc., appeal filed Feb. 13, 1937, C. C. A., 2d Cir., Doc. —, *Patent Royalties Corp. et al.* v. *Land O' Lakes Creameries, Inc., et al.*

1,445,780. (See 1,429,207.)

1,460,606, K. Ripper, Process for manufacturing condensation products; 1,625,283, same. Process for manufacturing homogeneous glasslike condensation products of urea and formaldehyde, D. C., N. D. Ohio, W. Div., Doc. E 1343, *Synthetic Plastics Co., Inc.*, v. *Toledo Synthetic Products, Inc.* Discontinued Feb. 13, 1937.

1,473,813, C. C. Crispen, Elevator for stairways; 1,714,297, same, Elevator, filed Feb. 9, 1937, D. C., S. D. N. Y., Doc. E 84/305, *C. C. Crispen et al.* v. *Sedgwick Machine Works, Inc.*

1,507,016. (See 1,403,475 (*b*).)

1,507,017. (See 1,403,475 (*b*).)

1,508,031. (See 1,337,333.) 1,512,536. (See 1,337,333.)

1,515,882, F. A. Purdy, Traffic indicator; 1,719,977, P. P. Horni, Illuminating signal, filed Feb. 5, 1937, D. C., S. D. N. Y., Doc. E 84/299, *Horni Signal Mfg. Corp.* v. *Automatic Signal Corp.*

1,527,588. (See 1,254,196.)

1,564,378, H. Stein et al, Bleached and dyed furs; 1,573,200, same, Process of bleaching and dyeing furs, filed Feb. 10, 1937, D. C., S. D. N. Y., Doc. E 84/309, *Steinfur Patents Corp.* v. *Polar Fur Dyeing Co., Inc., et al.*

1,573,200. (See 1,564,378.)

1,573,374 (*a*), P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 2,052,316, R. E. Sagle, Variable condenser, filed Feb. 8, 1937, D. C., S. D. N. Y., Doc. E 84/302, *R. C. A. et al.* v. *Amplex Radio Corp. et al.*

1,573,374 (*b*), P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 1,728,879, same, Amplifying system, D. C., S. D. Calif. (Los Angeles), Doc. E 1065–J, *R. C. A. et al.* v. *B. S. Rothenstein et al.* Decree pro confesso Feb. 10, 1937.

1,580,108, D. E. Anderson, Rail frog; 1,740,720, same, Method of producing fillers for railroad frogs; 1,760,465, same, Frog point, filed Jan. 28, 1937, D. C. Minn. (St. Paul), Doc. E 2931, *D. E. Anderson et al. DeANDY Bevel Point Frog Co. et al.* v. *H. A. Scandrett et al.*

1,618,017. (See 1,403,475 (*a*) and (*b*).)

1,625,283. (See 1,460,606.) 1,639,863. (See 1,778,065.)

1,702,833. (See 1,403,475 (*b*).)

1,707,617. (See 1,573,374 (*a*) and (*b*).)

1,714,297. (See 1,473,813.) 1,719,977. (See 1,515,882.)

1,728,879. (See 1,573,374 (*b*).)

1,740,720. (See 1,580,108.) 1,746,198. (See 1,756,032.)

1,756,032, N. E. Loomis, Art of continuous distillation; 1,746,198, Loomis & Lewis, Vacuum distillation and rectification of paraffin djstillate, appeal filed Aug. 6, 1936, C. C. A., 3d Cir., Doc. 6212, *Standard Oil Development Co.* v. *J. B. Berry Sons Co., Inc.*

1,760,274, H. R. Minor, Fire extinguisher; Re. 19,087, same, Valve; Re. 18,839, D. Mapes, Recoil preventing safety cap, D. C., Del., Doc. E 1067, *Walter Kidde & Co., Inc.*, v. *A. F. Kramer.* Claims 10, 13, 14, 15, 16, and 17 of Re. 18,839 and claims 7 to 14 of Re. 19,087 held valid and infringed Jan. 18, 1937.

1,760,465. (See 1,580,108.)

1,778,065, S. F. Davenport, Artificial bait; Des. 58,183, Des. 58,184, H. S. Dills, Fish bait; T. M. 291,671, T. M. 242,113, The Creek Chub Bait Co., same; 1,639,863, Sinclair & Phelps, Artificial bait or lure and method of finishing same, D. C., W. D. Mich. (Grand Rapids), Doc. 2727, *The Creek Chub Bait Co.* v. *C. C. Sinclair et al.* (*Paw Paw Bait Co.*). Consent decree, adjudging claims 1, 2, and 3 of 1,778,065 valid; and dismissing bill as to Des. Patent 58,183 and Des. Patent 58,194. Defendant's counterclaim dismissed Jan. 12, 1937.

1,795,214. (See 1,573,374 (*a*) and (*b*).)

1,811,095. (See 1,403,475 (*b*).)

1,830,078. (See 1,969,672.) 1,857,217. (See 1,879,584.)

1,869,121. (See 1,911,726.)

1,879,584, H. St. Pierre, Anti-skid device; 1,857,217, same, Buckle, C. C. A., 2d Cir., Doc. 14990, *H. St. Pierre et al.* v. *Red Patch & Reliner Co., Inc., et al.* Decree affirmed (notice Feb. 8, 1937).

1,886,632, F. C. Broeman, Method for handling coal, 1,886,633, same, Coal and coke treated with oil; 1,979,730, S. Buka, Method of treating fuel, D. C., S. D. Ohio, W. Div., Doc. E 979, *The Buka Broeman Corp.* v. *The Geo. Meyer & Sons Co.* Dismissed without prejudice Feb. 4, 1937.

1,886,633. (See 1,886,632.)

1,894,197. (See 1,573,374 (*a*) and (*b*).)

1,903,813, A. B. Glenn, Engraver's mat; 1,923,483, same, Method of making an artist's mat, D. C., N. D. Tex. (Ft. Worth), Doc. E 827, *W. J. Burke* v. *J. W. Taylor et al.* Dismissed Feb. 2, 1937.

1,904,358, A. O. Dahlberg, Fountain pen; 1,980,508, I. D. Tefft, Fountain pen filling device; 1,989,351, L. A. Crowell, Fountain pen and other marking means; Des. 88,821, J. B. Platt, Fountain pen and pencil clip, filed Jan. 26, 1937, D. C. Hawaii (Honolulu), Doc. E 720, *The Parker Pen Co.* v. *Y. Takemori* (*Takemori Shoten*).

1,911,726, Tanner & Lodeesen, Production of phosphate coatings on metal; 1,869,121, Thompson & Tanner, Method and material for coating metal surfaces, filed Feb. 11, 1937, D. C. Mich. (Grand Rapids), Doc. E 2787, *Parker Rust-Proof Co. et al.* v. *Borg-Warner Corp.*

1,913,604. (See 2,022,514.) 1,923,483. (See 1,903,813.)

1,936,162. (See 1,403,475 (*a*).)

1,951,685, H. A. Wheeler, Peak detector; 2,041,273, same, Amplifier volume control, filed Feb. 9, 1937, D. C., E. D. Va., Doc. E 392, *Hazeltine Corp.* v. *Stewart-Warner Corp.*

1,969,672, N. J. Poux, Separable fastener slider; 1,830,078, S. H. Norton, Separable fastener; Des. 93,204, A. E. Carlile, Pull for slide fasteners, D. C., S. D. N. Y., Doc. E 81/304, *Hookless Fastener Co.* v. *Crown Fastener Corp.* Dismissed without prejudice (notice Feb. 5, 1937).

1,979,730. (See 1,886,632.) 1,980,508. (See 1,904,358.)

1,989,351. (See 1,904,358.)

2,022,514, 1,913,604, W. A. MacDonald, Wave signaling system, filed Feb. 9, 1937, D. C., E. D. Va., Doc. E 391, *Hazeltine Corp.* v. *Stewart-Warner Corp.*

2,041,273. (See 1,951,685.)

2,048,438. (See Des. 96,230.)

2,048,474. (See Des. 96,230.)

2,052,316. (See 1,573,374 (*a*).)

Re. 15,140. (See 1,247,540.)

Re. 18,579. (See 1,403,475 (*a*) and (*b*).)

Re. 18,839. (See 1,760,274.)

Re. 19,087. (See 1,760,274.)

Des. 58,183. (See 1,778,065.)

Des. 58,184. (See 1,778,065.)

Des. 88,821. (See 1,904,358.)

Des. 93,204. (See 1,969,672.)

Des. 96,230, 2,048,438, A. T. Ecklund, Mat; 2,048,474, L. F. Schuhmacher, same, filed Feb. 1, 1937, D. C., E. D. Va., Doc. E 394, *A. T. Ecklund et al.* v. *I. Klaff et al* (*Tirex Mat Co.*).

T. M. 242,113. (See 1,778,065.)

T. M. 291,671. (See 1,778,065.)

Disclaimers

1,400,177.—*James V. Martin*, Elyria, Ohio. AEROFOIL. Patent dated December 13, 1921. Disclaimer filed February 26, 1937, by the patentee.

Hereby enters this disclaimer to the following words appearing at page 1, lines 8 to 13 of the specification which your petitioner desires to erase from said specification:

"The invention relates to an aerofoil for use on any type of aeroplane construction. It is to be understood that the term aerofoil used herein is of sufficient breadth to include any body projected through the atmosphere for an aero-dynamic reaction."

and hereby disclaims the invention set out in claims 1 to 14 of said patent except when the aerofoil is the wing of an aeroplane.

1,598,874.—*Louis A. M. Phelan*, Beloit, Wis. ELECTRICAL APPARATUS. Patent dated September 7, 1926. Disclaimer filed February 26, 1937, by the assignee of one-half interest, *Arcless Contact Company.*

Hereby enters this disclaimer to the extent solely and only of its undivided one-half part of the whole right, title and interest possessed by it to claims 9, 11, 12, and 13 in said specification.

1,599,854.—*Morris C. Van Gundy*, Houston, and *Joseph R. Scanlin*, Port Arthur, Tex. MANUFACTURE OF LUBRICANTS. Patent dated September 14, 1926. Disclaimer filed February 18, 1937, by the assignee, *The Texas Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 5, 6, and 7 of said Letters Patent.

1,810,188.—*Theodore A. Smith*, Ridgewood, N. J. TELEVISION SYSTEM. Patent dated June 16, 1931. Disclaimer filed March 4, 1937, by the patentee; the assignee, *Radio Corporation of America*, consenting.

Hereby enters this disclaimer to claims 9, 10, 11, 12, 13, 15, 16, 17, 18, and 19 in said specification.

1,887,582.—*Jesse H. Davis*, Baltimore, Md. AIR CONDITIONING METHOD AND APPARATUS FOR PASSENGER CARS. Patent dated November 15, 1932. Disclaimer filed March 4, 1937, by the assignee, *B. F. Sturtevant Company.*

Hereby enters this disclaimer to the subject matter of claims 1 to 10 inclusive, and claim 18 of said patent.

2,030,989.—*Robert Hofstetter*, Downers Grove, and *John W. Sager*, Oak Park, Ill. COIL WINDING MACHINE. Patent dated February 18, 1936. Disclaimer filed February 20, 1937, by the assignee, *Western Electric Company, Incorporated.*

Hereby enters this disclaimer to claim 16 in said Letters Patent.

2,036,542.—*Nathan Rosenthal*, St. Louis County, Mo. FOLDING BOX. Patent dated April 7, 1936. Disclaimer filed February 25, 1937, by assignee, *Rosenthal Paper Company.*

Hereby enters this disclaimer to claims 1, 2, 3, and 10 of said Letters Patent.

2,043,194.—*Lewis W. Eggleston*, Detroit, Mich. VALVE. Patent dated June 2, 1936. Disclaimer filed February 24, 1937, by the assignee, *Detroit Lubricator Company*; the patentee joining.

Hereby enters this disclaimer to claims 6 and 7 in said specification.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING FEBRUARY, 1937

EX PARTE CHARLES R. SLIGH COMPANY, Serial No. 374,805.

In a decision rendered February 10, 1937 (159 Ms. Dec. 843), *Assistant Commissioner Frazer* held that Charles R. Sligh Company, of Holland, Mich., is not entitled to register, under the act of 1905, a certain trade-mark for furniture.

In his decision the Assistant Commissioner stated the facts as follows:

"The mark sought to be registered comprises applicant's corporate name and place of business and the additional wording 'Furniture by Sligh', together with certain design features, all enclosed in a rectangular border. Registration was refused in view of a mark previously registered for the same goods, with which the Examiner held applicant's mark to be in conflict. The registered mark is outlined by a rectangular border of substantially the same proportions as that of applicant, and in addition to a pictorial design displays the name of the proprietor, 'Sligh Furniture Co.', and the words 'Sligh Furniture'. In applicant's mark the name 'Charles R. Sligh' appears in relatively large letters, as does the word 'Sligh' in the registered mark."

Then, after noting applicant's argument as to the likelihood of confusion, he said:

"Because of certain alleged trade practices, and the asserted fact that Sligh Furniture Co. is no longer in business, applicant argues that confusion is impossible. Mere statements in the brief may not, however, be regarded as evidence; and upon the present showing it cannot be presumed that the registered mark has been abandoned, or even that it is not in use. Nor would the absence of confusion in the minds of furniture dealers be of controlling importance even were it an established fact. Likelihood of 'confusion or mistake in the mind of the public' is the criterion prescribed by the statute."

Then, after stating that it would be apparent that those casually familiar with the trade-marks of the Sligh Furniture Co., seeing applicant's mark for the first time, would be likely to think both were of the same origin and noting applicant's argument, he said:

"I am not prepared to agree that these two marks are 'completely dissimilar in appearance'. In addition to the common word features each displays a scroll and the representation of a person, and as already noted both have rectangular borders of substantially the same proportions. Placed side by side they are, of course, easily distinguishable; but the impression left on the mind by a casual inspection of one may, I think, not unreasonably lead the observer to confuse the two upon seeing the other after a short interval.

"Applicant stresses the fact that 'Charles R. Sligh' is the name of its president and general manager, but that does not remove the objection to registration if the name is so employed as to render the mark as a whole confusingly similar to the registered or known trade-mark of another used for goods of the same descriptive properties. *J. B. Williams Co.* v. *Williams*, 18 C. C. P. A. 1133, 48 Fed.(2d) 398."

CONTINENTAL DISTILLING CORPORATION *v.* JACOB ENGLANDER, Opposition No. 14,756.

In a decision rendered February 11, 1937 (159 Ms. Dec. 846), *Assistant Commissioner Frazer* held that Jacob Englander, of Newark, N. J., is not entitled to register the term "Silver Bar", displayed in association with a pictorial design, as a trade-mark for whisky, gin, rum, brandy and cordials, in view of the prior adoption and use by the Continental Distilling Corporation, of Philadelphia, Pa., of the term "Silver Shield" for the same goods.

In his decision the Assistant Commissioner said:

"Opposer's mark is 'Silver Shield'. The mark sought to be registered is 'Silver Bar', displayed in association with a pictorial design. While the design must, of course, be considered as a part of the composite mark, the fact remains, as pointed out by the Examiner of Interferences, 'that purchasers would recognize and call for the applicant's goods by the only spoken symbol included in the mark affixed thereto, namely, the notation "Silver Bar"'. As purchasers of the goods here involved frequently order by the drink, and have no opportunity to see the labels, this becomes a matter of considerable importance in determining the probability of confusion. While the existence of such probability in this case is not entirely free from doubt, that doubt must be resolved in favor of the first user."

INECTO, INC., *v.* BEAUTY PRODUCTS, INC., Opposition No. 14,930.

In a decision rendered February 16, 1937 (159 Ms. Dec. 847), *Assistant Commissioner Frazer* held that Beauty Products, Inc., of Denver, Colo., is not entitled to register the mark "Glo-Lox", in view of the prior adoption and use by Inecto, Inc., of New York, N. Y., of the term "Oloxo" on goods of the same descriptive properties.

In his decision, after noting that the opposer had cited four registrations but that the mark "Oloxo" was more nearly like applicant's mark than any of the others, the Assistant Commissioner said:

"In my opinion the concurrent sale of such goods under the respective trade-marks 'Oloxo' and 'Glo-Lox' would be likely to lead to confusion; and while the question is not entirely free from doubt, that doubt must be resolved in favor of the first user. To the numerous cases cited in opposer's brief in support of this view may be added *Abel* v. *Beatrice Creamery Co.*, 23 C. C. P. A. 735, 79 Fed.(2d) 751, and *Skelly Oil Co.* v. *Powerine Co.*, (C. C. P. A.), 86 Fed.(2d) 752."

INDUSTRIAL RAYON CORPORATION *v.* AMERICAN ENKA CORPORATION, Opposition No. 15,266.

In a decision rendered February 19, 1937 (159 Ms. Dec. 848), *Assistant Commissioner Frazer* held that it was within the jurisdiction of the Examiner of Interferences, where he found that a notice of opposition must be dismissed, to also hold applicant's mark unregistrable because descriptive of the goods.

In his decision, after stating the facts and noting applicant's argument that the Examiner was without jurisdiction to consider the ancillary question of applicant's right to registration, the Assistant Commissioner said:

"Jurisdiction, in the sense in which the word is here employed, means the power to deal with the general subject matter involved, and is not dependent upon the sufficiency of the bill or complaint in a particular action. I have found no better statement of this principle than that made by Judge Wilkerson in the case of *Olson* v. *Hoffman*, 4 Fed.(2d) 263, where he said:

"'Jurisdiction is the power to hear and determine the subject-matter in controversy between the parties to a suit. If the law confers the power to render a judgment or decree, then the court has jurisdiction. Jurisdiction of the particular matter does not mean simple jurisdiction of the particular case then occupying the attention of the court, but jurisdiction of the class of cases to which the particular case belongs. Whether a complaint does or does not state a cause of action is, so far as concerns the question of jurisdiction, of no importance, for, if it states a case belonging to a general class over which the authority of the court extends, then jurisdiction attaches, and the court has power to decide whether the pleading is good or bad. Jurisdiction does not depend upon the rightfulness of the decision. It is not lost because of an erroneous decision, however erroneous that decision may be. If the court has jurisdiction of the class of cases to which the particular case belongs, it has jurisdiction to decide whether, so far as the particular case is concerned, the jurisdiction of the court attaches.'"

And then, with respect to the particular case, after noting that motions to dismiss the opposition had been denied and it was only after final hearing that the Examiner of Interferences became convinced that the notice lacked an essential allegation of fact, he said:

"The proceeding was one in which his authority to act is expressly conferred by statute; and, having assumed jurisdiction, I think he had not only the right, but the duty, to comply with the requirement of section 7 of the Trade-Mark Act that he 'determine the question of the right of registration' of applicant's mark. *Skookum Packers Association* v. *Pacific Northwest Canning Co.*, 18 C. C. P. A. 792, 45 Fed.(2d) 912. The correctness of his ruling is, of course, not open to inquiry upon this petition."

GLENDALE BEVERAGE COMPANY *v.* DUFFY-MOTT COMPANY, INC., Cancellation No. 2908.

In a decision rendered February 26, 1937 (159 Ms. Dec. 851), *Assistant Commissioner Frazer* held that a petition by Glendale Beverage Company, of Kansas City, Mo., to cancel registration No. 51,818, owned by Duffy-Mott Company, Inc., of New York, N. Y., was improperly dismissed.

In his decision after noting that petitioner's application for registration of a trade-mark had been rejected on the registration now sought to be cancelled, and that the present petition was filed in view of that action, the Assistant Commissioner said:

"Only the testimony filed on behalf of respondent need be considered. I quote from that given by H. Eugene Meinhold, respondent's vice-president and treasurer:

"'Q. Will you explain the circumstances attending the acquisition by the company of Trade-Mark No. 51,818?

"'A. The company records show that prior to June of 1919 a registration of "White Seal" for cider was refused to our company by the Patent Office on the grounds that an old registration in the name of Holthusen for ginger ale was still on record. That registration had apparently been abandoned and Holthusen was no longer in business at that time. On advice of counsel, to avoid the necessity of proving to the Patent Office that the Holthusen brand was no longer in use, our company secured an assignment of said trade-mark.

* * * * * * *

"'Q. Has Duffy-Mott Company, Inc., ever made use of this trade-mark?

"'A. No.'"

Then, after noting respondent's argument that that testimony did not prove abandonment, he said:

"Abandonment presupposes ownership, and in the admitted absence of use respondent's asserted ownership of this mark has no other possible basis than the assignment from Holthusen. Under the circumstances related by Mr. Meinhold the assignment, as such, was a nullity, the only result of which was the abandonment by Holthusen of any title theretofore claimed by him in the mark attempted to be assigned. In other words it was not respondent, but Holthusen, who abandoned the mark, respondent having acquired no interest to abandon."

He then noted the respondent's argument that its use of a somewhat similar mark on goods said to be of the same descriptive properties as the registered mark has saved the latter from abandonment, and said:

"I am unable to adopt this reasoning. Holthusen's abandonment of his trade-mark made its registration subject to cancellation, and respondent's adoption of a similar mark, or even of the same mark, could not in my opinion have any bearing upon the propriety of such cancellation."

With reference to the argument that petitioner had not shown injury, he said:

"This argument is predicated upon the fact that respondent has used another mark on goods of the same descriptive properties as those set forth in petitioner's application for registration, which is claimed to be so similar to petitioner's mark as to bar such registration even were the Holthusen certificate canceled. I do not think that this point may properly be adjudicated in the present proceeding. The only ground upon which the Examiner of Trade-Marks refused to register petitioner's mark was that it conflicted with the abandoned mark here under consideration. That fact sufficiently establishes injury. If respondent can show other reasons why registration should be refused its remedy is by opposition, and I do not think the merits of such a possible proceeding should be prejudged now."

MCLOUGHLIN BROS., INC., *v.* WHITMAN PUBLISHING COMPANY, Trade-Mark Interference No. 2615.

In a decision rendered February 27, 1937 (159 Ms. Dec. 853), *Assistant Commissioner Frazer* held that McLoughlin Bros., Inc., of Springfield, Mass., is entitled to register, under the act of 1905, the notation, "The Big Little Books", as a trade-mark for a series of books published from time to time since it had adopted and used this notation prior to the use by Whitman Publishing Company, of Racine, Wis., of the notation "The Big Little Book", as a trade-mark for a similar set of books, and the notation was otherwise registrable to McLoughlin Bros., Inc.

In his decision he stated that McLoughlin Bros., Inc. published a set of twelve volumes in 1928, each bearing its individual title as well as the notation involved in this case and no additions were made to it until 1934, and that the Examiner of Interferences had held that the series was complete when the original set was published and appellant's mark therefore functioned as a title and not as a trade-mark. He then quoted from the decision of the Examiner of Interferences as follows:

"In this Office the titles to printed publications are registered if, as, and when it appears that the subject matter is not complete. Since it appears herein from the testimony that the subject matter of the printed publication constituting the merchandise of the application of McLoughlin Bros., Inc., was complete long prior to the date of filing thereof, it follows that this application was and is not prima facie allowable."

and stated that the Examiner of Interferences had held the notation registrable to Whitman Publishing Company because the subject matter sold by it is in the nature of a serial publication.

He noted appellant's argument that the Examiner erred in finding that its set of books was complete when originally published since in 1934 certain changes were made and some new material added, and then said:

"I shall not discuss the point, because, in my opinion it is of no importance.

"I can perceive no reason why a trade-mark may not properly be applied to a book, or to a complete collection of books, just as it may be applied to a serial publication, or to any other article of merchandise. It is true, of course, as was held in the case of *In re The Page Co.*, 47 App. D. C. 195, that the title of a particular book

may not also function as a trade-mark for that book, or for a set or series in which it is included; but that situation is not presented here. As already noted, each of appellant's books bears its individual title, and it is not suggested that any of these titles is even remotely simulated by the trade-mark."

Then, after stating that he was unable to agree with the holding of the Examiner of Interferences that the notation had become "the title to the printed publication" simply because the series of books may be considered complete, he said:

"From that holding it would necessarily follow that upon the completion of any such series, or upon the suspension of its publication, a registered trade-mark under which the books of the series had been sold would become invalid, and its registration would be subject to cancellation. In fact that would be the status of appellee's mark, which the decision states is registrable, in the event appellee should decide to add no more books to those already published. To my mind such doctrine is clearly unsound. I think that trade-mark ownership in a mark applied to books depends upon exactly the same considerations as those by which the question of ownership is determined with respect to marks applied to any other merchandise. I can find no justification, either in law or in reason, for applying a different rule."

Then, after stating that the first use claimed by Whitman Publishing Company was 1932, he said:

"In the view I take of the case appellant is therefore entitled to an award of priority."

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 30, 1937

[VOL. 476. NO. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 384,410. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Oct. 16, 1936.

PONTEX

For Rubber Impregnated Fiber Sheet Material.
Claims use since Feb. 1, 1936.

Ser. No. 387,990. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Jan. 21, 1937.

PONTALITE

For Thermo-Plastic Molding Powder.
Claims use since May 21, 1936.

Ser. No. 388,487. GOULD COMPANY, Philadelphia, Pa. Filed Jan. 12, 1937.



The word "Brand" is disclaimed apart from the mark.
For Coal and Hardwood Charcoal.
Claims use since Nov. 1, 1893.

Ser. No. 388,509. OLD BEN COAL CORPORATION, Chicago, Ill. Filed Feb. 3, 1937.

EXCELSIOR

For Coal.
Claims use since Dec. 1, 1936.

Ser. No. 388,589. NATIONAL MINERALS CORPORATION, New York, N. Y. Filed Feb. 5, 1937.

NAMCO

For Zircon, Rutile, and Ilmenite.
Claims use since Dec. 1, 1936.

CLASS 2

Receptacles

Ser. No. 383,111. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Sept. 10, 1936.

PERMOBOND

For Rubber Lined Tanks.
Claims use since Nov. 27, 1934.

Ser. No. 384,863. PATENT TUBE CORP., New York, N. Y. Filed Oct. 27, 1936.

TINSEPTIC

For Containers Made of Base Metals Alone or in Combination with Each Other, Adapted for Condiments, Medicaments, Cosmetics, and Similar Articles Offered for Sale and Sold in Empty Condition to the Trade.
Claims use since Mar. 20, 1936.

Ser. No. 387,554. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Jan. 7, 1937.

MAYFAIR

For Salt and Pepper Shakers Made of Glass with Tops Made of a Composition Material.
Claims use since November, 1936.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 386,669. NELS H. SWANSON, Chicago, Ill. Filed Dec. 11, 1936.

LUCKEY LIGHT

The word "Light" is disclaimed apart from the mark shown.
For Key Cases.
Claims use since Aug. 29, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 372,758. LAWRENCE W. BAFF, Brooklyn, N. Y. Filed Dec. 18, 1935.



No claim is made to the wording on the drawing. The drawing is lined for green.

For Chemical Compound for Cleaning Metal and Other Surfaces, Silverware, Dishes, and Household Articles.

Claims use since Dec. 2, 1935.

Ser. No. 385,773. B & L LABORATORIES, INC., Chicago, Ill. Filed Nov. 20, 1936.

Million
Bubble Bath

The words "Bubble Bath" per se are disclaimed.

For Saponaceous Material Having Incidental Water Softening Properties for Forming Bubbles.

Claims use since June 25, 1936.

Ser. No. 385,836. DITTO, INCORPORATED, Chicago, Ill. Filed Nov. 21, 1936.

DITTO

For Liquid and Cake Soap and Typewriter Type and Platen Cleaner.

Claims use since Feb. 8, 1929, on said soap and since Apr. 8, 1933, on said cleaner.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 371,276. RALPH N. TASSIE, doing business as Seraeco Chemical Company, Detroit, Mich. Filed Nov. 6, 1935.

SERAECO

For Preparation for the Relief of Nausea and Vomiting.

Claims use since Mar. 1, 1935.

Ser. No. 383,799. NICHOLAS B. BARTZ, doing business as Bartz Drug Company, Grand Rapids, Mich. Filed Sept. 30, 1936.



For Ointment for the Treatment of Aches, Pains, Soreness in Chest, Strains, Stiffness in Joints, Lame and Weak Back, Rheumatic Pains and Swellings, Neuralgia, Headache, and Muscular Fatigue.

Claims use since Oct. 1, 1908.

Ser. No. 383,841. J. B. LEEDY, Upper Strasburg, Pa. Filed Oct. 1, 1936.

ITA

For Medicinal Capsule for the Treatment of Asthma.

Claims use since July 1, 1933.

Ser. No. 385,134. CUPRINOL LIMITED, London, England. Filed Nov. 4, 1936.



For Chemical Compositions for Waterproofing and Preserving Sails, Canvas and Other Textile Fabrics, Fishing and the Like Nets, Tarpaulins, Ropes and Cords, Belting and Leather Goods, Floor Cloth, and Pneumatic Tyres; for Use After the Manufacture of the Afore-Mentioned Goods; and Chemical Compositions Used as Preservatives in the Manufacture of Textile Fabrics, Canvas, Fishing and the Like Nets, Tarpaulins, Ropes and Cords; and Preservative Dressings for Wood, Stonework, Brickwork and Metals.

Claims use since June, 1933.

Ser. No. 385,896. JOSEPHUS MOODY, doing business as Joe Moody, Detroit, Mich. Filed Nov. 23, 1936.

Moody's
MAGIC LINIMENT

The name "Moody's" is in the handwriting of the applicant. The word "Liniment" is disclaimed apart from the mark.

For Liniment for External Use.

Claims use since Jan. 4, 1934.

Ser. No. 386,102. DITTO, INCORPORATED, Chicago, Ill. Filed Nov. 30, 1936.

DITTO

For a Chemical Cleansing Cream Preparation for Removing Ink Stains and the like, a Preparation for Blocking Out Ink Writing or Spots and a Preparation for Diluting said Blocking Out Preparation and a Gelatin Preparation to Be Used for Forming Pads to Be Used in Duplicating Processes.

Claims use since applied to said preparation for removing ink stains from the hands since February, 1929, and applied to said blocking out preparations since December 20, 1929, and applied to said gelatin preparation since September, 1929.

Ser. No. 386,895. HAMMOND PAINT & CHEMICAL CO., Beacon, N. Y. Filed Dec. 18, 1936.

SUPER COPPER

The word "Copper" is disclaimed apart from the mark.

For Insecticides and Fungicides.

Claims use since Nov. 10, 1935.

Ser. No. 387,068. THE HOUSE OF WESTMORE, Los Angeles, Calif. Filed Dec. 23, 1936.

The HOUSE of WESTMORE

For Cosmetics and Toilet Preparations—Namely, Face Powder, Lip Stick, Eye Shadow, Cream Rouge, Dry Rouge, Eyebrow Pencil, Powder Base, Cleansing Creams, Cold Cream, Night Cream, Nourishing Cream, Muscle Cream, Mascara, Liquid Make-Up, Liquid Powder, Deodorants, Bath Powder, Perfumes, Toilet Waters, Hand Lotions, Permanent Wave Solution, Shampoos, Astringent, Skin Freshener, Talc, Bleaches, Dyes, Hair Rinses, Nail Polish, Cuticle Remover, Polish Remover, Bath Salts, Hand Oil, After Shaving Lotion.

Claims use since May 15, 1935.

Ser. No. 387,114. CHICAGO PHARMACAL CO., Chicago, Ill. Filed Dec. 24, 1936.

METROXENOL

For Ointment for Tinea Infections.

Claims use since July 6, 1936.

Ser. No. 387,311. BONZENE MANUFACTURING CO., Bessemer, Mich. Filed Dec. 31, 1936.

BonZene

For Ointment for the Relief of Athlete's Foot, Chilblains, Leg Sores, Eczema, Facial Blotches, Itch, Piles, Stings, Sunburn, and the Like.

Claims use since Nov. 20, 1936.

Ser. No. 387,464. GABILLA, INCORPORATED, New York, N. Y. Filed Jan. 5, 1937.

"RÊVE A DEUX"

For Perfumes.

Claims use since Nov. 4, 1936.

Ser. No. 387,526. THE UNIVERSAL MATCH CORPORATION, doing business as Mist-O-Mint Co., St. Louis, Mo., and Decatur, Ill. Filed Jan. 6, 1937.

MIST-O-MINT

The word "Mint" is disclaimed apart from the mark.

For Breath Deodorizer.

Claims use since Sept. 1, 1932.

Ser. No. 387,656. CHICAGO PHARMACAL CO., Chicago, Ill. Filed Jan. 11, 1937.

Antotal

For Liquid Preparation for the Treatment of Earache.

Claims use since June 19, 1936.

Ser. No. 387,952. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Jan. 19, 1937.



For Silicate of Soda, Either Anhydrous, Hydrated, or in Solution.

Claims use since Jan. 5, 1937.

Ser. No. 388,000. MORRIS GOLDBERG, doing business as Shim-R Products Co., Kenmore, N. Y. Filed Jan. 21, 1937.

SHIM-R

For Hair Tonic and a Deodorant.
Claims use since Jan. 18, 1937.

Ser. No. 388,065. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Jan. 22, 1937.

CEVALIN

For l-Ascorbic Acid, Otherwise Known as Vitamin C.
Claims use since Dec. 31, 1936.

Ser. No. 388,107. SOLUOL CORPORATION, Providence, R. I. Filed Jan. 23, 1937.

KIEREX

For Textile Oils—Namely, Boil-Off and Scouring Oils, and Dyeing and Wetting-Out Agents.
Claims use since Mar. 1, 1936.

Ser. No. 388,144. THE PYRIDIUM CORPORATION, Nepera Park, N. Y. Filed Jan. 25, 1937.

MANDELAMINE

For Medicines for Use in Germ Infections and as an Antiseptic.
Claims use since Sept. 21, 1936.

Ser. No. 388,180. BOND PHARMACALS, Dallas, Tex. Filed Jan. 26, 1937.

Peptrine

For Preparation to be Used in the Treatment of Indigestion, Dyspepsia, Gas, Bloating, and Other Ailments Caused by Dyspeptic Conditions.
Claims use since Dec. 21, 1936.

Ser. No. 388,215. PHILIP WARFMAN, New York, N. Y. Filed Jan. 26, 1937.

bocalav

For Mouth Wash.
Claims use since June, 1936.

Ser. No. 388,216. AL-LON MANUFACTURING CO., INC., Baltimore, Md. Filed Jan. 27, 1937.

AL-LON

Freshener

The word "Freshener" is disclaimed apart from the mark as shown.
For Perfumed Deodorizing Chemical Liquid.
Claims use since Jan. 2, 1937.

Ser. No. 388,241. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Jan. 27, 1937.

RU

For Silicate of Soda, Either Anhydrous, Hydrated, or in Solution.
Claims use since Jan. 11, 1937.

Ser. No. 388,256. ROBERT F. BRAUNLIN, doing business as Vase-Sweet Company, Marion, Ind. Filed Jan. 28, 1937.

VASE-SWEET

For Chemical Tablet Adapted to be Placed in Water in a Flower Vase to be Dissolved for Deodorizing and Perfuming Purposes.
Claims use since Oct. 20, 1936.

Ser. No. 388,277. LEONA C. PALMER, doing business as L. C. Palmer, Washington, D. C. Filed Jan. 28, 1937

TOXCIDIN

For Antiseptics.
Claims use since Sept. 1, 1932.

Ser. No. 388,289. U. S. ANTISEPTIC LABORATORIES CORPORATION, Baltimore, Md. Filed Jan. 28, 1937.

VULTONE

For Moth Proofing Spray for Woolen Materials Used in Clothing, Upholstering, etc.
Claims use since Jan. 10, 1937.

Ser. No. 388,389. DERRIS, INC., New York, N. Y. Filed Feb. 1, 1937.

DARIS

For Insecticides and Drain Pipe Cleaner.
Claims use since Jan. 5, 1937.

Ser. No. 388,412. ALBERT ROSENTHAL, doing business as Cleveland Remedies Company, Cleveland Heights, Ohio. Filed Feb. 1, 1937.

MEPHRIN

For Inhalant for Head Colds, Catarrh, Asthma, Hay Fever, and Sinus Infections.
Claims use since Nov. 7, 1936.

Ser. No. 388,461. FLORENCE OSBORNE, Cleveland Heights, Ohio. Filed Feb. 2, 1937.

CREON

For Perfume.
Claims use since May 1, 1933.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 385,249. THE CHENEY CHEMICAL COMPANY, Cleveland, Ohio. Filed Nov. 7, 1936.

Breathers

For Non-Tobacco Cigarette Substitutes and Cellulosic Casings for Non-Tobacco Fillings.
Claims use since Oct. 23, 1936.

Ser. No. 387,525. ALBERT A. VUCCINO, New York, N. Y. Filed Jan. 6, 1937.

DROWN-A-LITE

For Ash Trays.
Claims use since May, 1936.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 388,750. ATLAS POWDER COMPANY, Wilmington, Del. Filed Feb. 11, 1937.

FLO-DYN

For Explosives—Namely, Powder and Dynamite.
Claims use since Apr. 28, 1936.

CLASS 11

Inks and Inking Materials

Ser. No. 388,320. THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y. Filed Jan. 29, 1937.

EVERYDAY

For Printing Inks.
Claims use since June 30, 1936.

CLASS 12

Construction Materials

Ser. No. 383,355. THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Sept. 17, 1936.

LUBRISEAL

For Liquid for Use in Wetting Rubber Sealing Elements to Promote and Assure Quick and Permanent Assembly Thereof in Conduit Connections of the Bell and Spigot Type.
Claims use since Dec. 12, 1933.

Ser. No. 383,829. STULMAN-EMRICK LUMBER CO., INC., Brooklyn, N. Y. Filed Sept. 30, 1936.

SELCO

For Lumber.
Claims use since Oct. 1, 1934.

Ser. No. 388,339. CALIFORNIA REDWOOD ASSOCIATION, San Francisco, Calif. Filed Jan. 29, 1937.

C·R·A

For Lumber.
Claims use since Jan. 1, 1937.

Ser. No. 388,744. JAMES MANUFACTURING CO., Fort Atkinson, Wis. Filed Feb. 10, 1937.

AIRLITE

For Adjustable Window Sash and Parts Thereof.
Claims use since Sept. 1, 1936.

Ser. No. 388,745. JAMES MANUFACTURING CO., Fort Atkinson, Wis. Filed Feb. 10, 1937.

DURADOR

For Metal Doors and the Like.
Claims use since Sept. 1, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 387,739. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn. Filed Jan. 13, 1937.

FRANKLIN UNION

For Horse Nails.
Claims use since Nov. 15, 1936.

Ser. No. 387,953. THE PHILLIPS CORPORATION, Portland, Oreg. Filed Jan. 19, 1937.

Phillips

For Valves for Supplying Water to Drain Traps.
Claims use since Dec. 21, 1936.

Ser. No. 388,143. THE G. E. PRENTICE MANUFACTURING COMPANY, Berlin, Conn. Filed Jan. 25, 1937.

Streamline

For Slide Operated Fasteners.
Claims use since Dec. 8, 1936.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 374,412. INLAND STEEL COMPANY, Chicago, Ill. Filed Feb. 3, 1936.

INLAND HI-STEEL

The words "Hi-Steel" is disclaimed except as shown.
For Alloy Steel.
Claims use since Dec. 19, 1935.

Ser. No. 387,615. STANDARD STEEL WORKS COMPANY, Burnham, Pa. Filed Jan. 9, 1937.

FREEDOM

For Forged Railway Wheels and Tires.
Claims use since Dec. 3, 1930.

CLASS 15

Oils and Greases

Ser. No. 388,028. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 21, 1937.

Mobilfuel

For Petroleum Engine Fuel.
Claims use since Oct. 30, 1936.

Ser. No. 388,353. NICOLA GRASSI, New York, N. Y. Filed Jan. 30, 1937.

VOLCANO

For Fuel Oil.
Claims use since Jan. 3, 1935.

Ser. No. 388,467. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 2, 1937.

CENTROSENE

For Wax Derived from Petroleum.
Claims use since July 5, 1933.

Ser. No. 388,683. PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex. Filed Feb. 9, 1937.



For Lubricating Oils and Greases.
Claims use since Sept. 1, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 333,891. CHARLES C. PLUMB, doing business as C. C. Plumb Company, Providence, R. I. Filed Jan. 13, 1933.



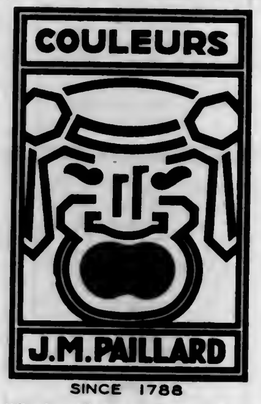
For Asphalt Paint.
Claims use since Nov. 1, 1932.

Ser. No. 382,862. THOMAS D. CHAMBERLAIN, doing business as T. D. Chamberlain Chemical Co., Scranton, Pa. Filed Sept. 3, 1936.

Chamberlain's

For Varnish, Paint Remover, Wood Filler, Auto and Furniture Polish, Floor and Automobile Wax, and Ready-Mixed Paint in Paste or Powder Form.
Claims use since June, 1932.

Ser. No. 385,551. THE HILLMAN IMPORTING AND TRADING CO. INC., New York, N. Y. Filed Nov. 16, 1936.



The word "Couleurs" apart from the mark as shown is disclaimed.
For Paint Oils.
Claims use since September, 1934.

Ser. No. 387,547. EVANS-WALTON COMPANY, Detroit, Mich. Filed Jan. 7, 1937.

CELLUFOIL

For Protective Siccative Coating for Auto, Marine, and Other Exposed Metal Surfaces.
Claims use since Nov. 6, 1936.

Ser. No. 388,938. IRONHARD PAINT & COLOR WORKS LTD., Los Angeles, Calif. Filed Feb. 15, 1937.

IRONMOUNT

For Ready Mixed, Paste, and Powder Form Paints, Varnishes, and Paint Enamels.
Claims use since Feb. 1, 1936.

Ser. No. 388,939. IRONHARD PAINT & COLOR WORKS LTD., Los Angeles, Calif. Filed Feb. 15, 1937.

IRONSTRONG

For Ready Mixed, Paste, and Powder Form Paints, Varnishes, and Paint Enamels.
Claims use since Feb. 1, 1936.

CLASS 17

Tobacco Products

Ser. No. 388,573. GOODWILL CIGAR COMPANY, Atlantic City, N. J. Filed Feb. 5, 1937.

SINGER'S DIPLOMAT

For Cigars.
Claims use since 1925.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 386,152. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Dec. 1, 1936.

ARISTOCRAT

For Vehicle Heaters and Parts Thereof, Said Heaters Utilizing Hot Fluids from the Engine.
Claims use since Feb. 1, 1935.

Ser. No. 386,961. REO MOTOR CAR COMPANY, Lansing, Mich. Filed Dec. 19, 1936.

REO - SAFETY - BUS

The words "Safety" and "Bus" are disclaimed apart from the mark.
For Automobiles and Structural Parts Thereof.
Claims use since Nov. 15, 1936.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 388,312. CONGOLEUM-NAIRN INC., Kearny, N. J. Filed Jan. 29, 1937.

VELTEX

For Linoleum.
Claims use since Jan. 19, 1937.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 381,243. WINCHARGER CORPORATION, Sioux City, Iowa. Filed July 20, 1936.

WINCHARGER

For Prime-Mover-Driven Electric Generator Combinations, Including Wind-Driven and Engine-Driven Electric Generator Combinations.
Claims use since June 28, 1935.

Ser. No. 381,245. ZENITH RADIO CORPORATION, Chicago, Ill. Filed July 20, 1936.

SUNCHARGER

For Thermo Electric Generators.
Claims use since July 14, 1936.

Ser. No. 384,633. TURNER COMPANY, Cedar Rapids, Iowa. Filed Oct. 21, 1936.

P. D. Q.

For Amplified Telephonic Communication System Adapted for Inter-Office Use.
Claims use since Oct. 19, 1936.

Ser. No. 384,663. LOUIS LEVINE, doing business as Admiration Products Co., New York, N. Y. Filed Oct. 22, 1936.

ORANGE-AID

The word "Orange" is disclaimed apart from the mark.
For Electrically Operated Apparatus Used in the Squeezing of Fruits.
Claims use since Sept. 1, 1936.

Ser. No. 387,650. ANCHOR MANUFACTURING CO., Boston, Mass. Filed Jan. 11, 1937.



For Electrical Wiring Devices—Namely, Electrical Service Entrance Equipment, Cut-Out Cabinets, Cable Fittings, and Switch Boxes.
Claims use since January, 1936.

Ser. No. 387,682. ERIE RESISTOR CORPORATION, Erie, Pa. Filed Jan. 11, 1937.

CERAMICONS

For Electrical Current Controlling Devices—Namely, Resistors and Condensers.
Claims use since Dec. 28, 1936.

Ser. No. 387,901. THE HALLICRAFTERS, INC., Chicago, Ill. Filed Jan. 18, 1937.

SKY BUDDY

For Radio Receiving Sets.
Claims use since February, 1936.

Ser. No. 387,904. THE HALLICRAFTERS, INC., Chicago, Ill. Filed Jan. 18, 1937.

Ultra SKYRIDER

For Radio Receiving Sets.
Claims use since January, 1936.

Ser. No. 388,370. SEELIG SPECIALTIES CO., New Orleans, La. Filed Jan. 30, 1937.

I·L·S

For Portable Electric Lamp Such as So-Called Floor Lamps.
Claims use since February, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 384,780. THE AMERICAN-NATIONAL COMPANY, Toledo, Ohio. Filed Oct. 26, 1936.

SNO-PLANE

For Juvenile Vehicles Comprising Sleds.
Claims use since July 2, 1934.

Ser. No. 387,910. WILFORD B. MAGEL, Jackson, Mich. Filed Jan. 18, 1937.



For Rifle Target Cards.
Claims use since Jan. 16, 1937.

Ser. No. 388,800. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Feb. 11, 1937.

Work-at-Home

For Coin Controlled Amusement Apparatus.
Claims use since Jan. 11, 1937.

Ser. No. 388,983. IDEAL NOVELTY & TOY COMPANY, Long Island City, N. Y. Filed Feb. 16, 1937.

BETSY-WETSY

For Dolls, Costumes for Dolls, Parts of Costumes for Dolls, and Dolls' Wigs.
Claims use since Feb. 13, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 385,413. KOPPERS COMPANY, Pittsburgh, Pa., and Baltimore, Md. Filed Nov. 11, 1936.



The words "For Piston Permanency" are disclaimed aside from the mark as shown.
For Apparatus for Expanding Pistons.
Claims use since Sept. 29, 1936.

Ser. No. 385,841. GOLDSMIT BLACK, INCORPORATED, Pittsburgh, Pa. Filed Nov. 21, 1936.

BLACK-GOLD

For Razor Blades.
Claims use since Nov. 14, 1936.

Ser. No. 386,008. KARL W. ATWATER, Pittsburgh, Pa. Filed Nov. 27, 1936.

LIGNALLOY

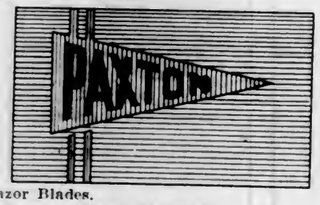
For Non-Metallic Machinery Bearings.
Claims use since July, 1935.

Ser. No. 386,385. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Dec. 5, 1936.

UNION

For Sprayers.
Claims use since Apr. 27, 1933.

Ser. No. 387,264. BENACO PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 30, 1936.



For Razor Blades.
Claims use since Sept. 15, 1936.

Ser. No. 387,416. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed Jan. 2, 1937.



The trade-mark consists of a gray spiral band appearing on the surface of the shafting. The representation of the shafting structure is disclaimed.
For Flexible Shafting.
Claims use since Dec. 7, 1936.

Ser. No. 387,624. KAHLENBERG BROS. CO., Two Rivers, Wis. Filed Jan. 9, 1937.

COMPRESSOLITE

For Internal Combustion Engines, Compressors, and Pumps.
Claims use since Nov. 20, 1936.

Ser. No. 387,660. CONTINENTAL MACHINE SPECIALTIES, INC., Minneapolis, Minn. Filed Jan. 11, 1937.

CONTOUR

For Combination Band Sawing and Filing Machine.
Claims use since Dec. 23, 1936.

Ser. No. 387,755. HENRY F. SAMSTAG, New York, N. Y. Filed Jan. 13, 1937.



The representation of a razor blade is disclaimed apart from the mark as shown.
For Single and/or Double Edge Safety Razor Blades.
Claims use since Jan. 7, 1936.

Ser. No. 388,307. A. W. CHESTERTON COMPANY, Boston, Mass. Filed Jan. 29, 1937. Under 10-year proviso.

INGALLS

For Boiler-Tube Cleaners or Scrapers.
Claims use since 1884.

Ser. No. 388,552. FOSTER L. TALGE, doing business as Rival Manufacturing Company, Kansas City, Mo. Filed Feb. 4, 1937.

JUICE-O-MAT

For Fruit Juice Extractors.
Claims use since Nov. 18, 1936.

CLASS 26

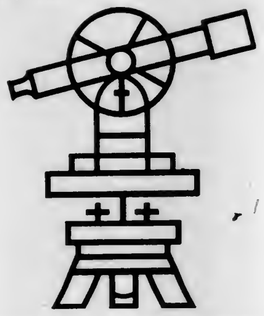
Measuring and Scientific Appliances

Ser. No. 372,695. THE TRIPLE-A-SPECIALTY COMPANY, Chicago, Ill. Filed Dec. 16, 1935.

TRIACID

For Battery Testers.
Claims use since Dec. 2, 1935.

Ser. No. 381,274. THE A. LIETZ CO., San Francisco, Calif. Filed July 21, 1936.



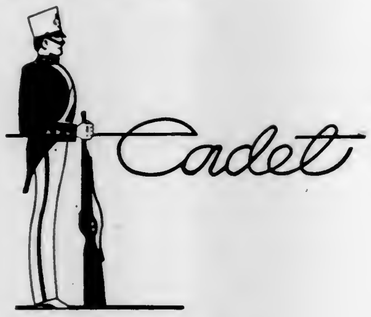
For Engineering and Drafting Instruments and More Particularly Compasses, Pocket Compasses, Hand Levels, Plumb Bobs, Field Books, Drafting Machines, Celluloid Triangles and Curves, T-squares, Straight Edges, Lettering Guides, Protractors, Engineers' and Architects' Scales.
Claims use since Apr. 15, 1936.

Ser. No. 386,684. THE MAGNAVOX COMPANY, Fort Wayne, Ind. Filed Dec. 12, 1936.

TRANSRADIANT

For Illuminated Instrument Dials.
Claims use since Apr. 1, 1936.

Ser. No. 386,838. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Dec. 17, 1936.



The figure of the cadet is fanciful.
For Photographic Cameras.
Claims use since Nov. 24, 1934.

Ser. No. 387,667. FLUID METERS, INC., New York, N. Y. Filed Jan. 11, 1937.

VESTA

For Fuel Oil Meters.
Claims use since January, 1936.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 387,840. JULES SCHWAB, doing business as Jules Schwab & Co., New York, N. Y. Filed Jan. 15, 1937.

SCENT-O-LATER

For Brooches, Bracelets, Necklaces, Lockets, and Vanity Cases, Clips, Compacts Made of or Plated in Whole or in Part with Precious Metal.
Claims use since Sept. 15, 1936.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 376,916. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Apr. 7, 1936.

PREMIER

For Tooth Brushes.
Claims use since Jan. 5, 1924.

CLASS 32

Furniture and Upholstery

Ser. No. 384,805. R. H. MACY & CO., INC., New York, N. Y. Filed Oct. 26, 1936.



The word "Group" except in the association shown is disclaimed.
For Beds, Secretaries, Chests, Tables, Shelves, Chairs, Sofas, Desks, Cupboards, Benches, Dressing Tables, Rockers, and Stools.
Claims use since Aug. 24, 1936.

Ser. No. 386,751. UNITED ASBESTOS PAD CORP., Chicago, Ill. Filed Dec. 14, 1936.



For Table Pads.
Claims use since Sept. 4, 1933.

Ser. No. 387,734. BULLOCK'S, INC., Los Angeles, Calif. Filed Jan. 13, 1937.

Bel Air

For Upholstered Sofas, Chairs, and Love Seats.
Claims use since June 18, 1935.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 387,471. LENNOX FURNACE CO., INC., Marshalltown, Iowa. Filed Jan. 5, 1937.

Aire-Flo

For Blowers, Blower Cabinets, Filters, Air Washers, Cooling Coils, Cooling Coil Cabinets, Complete Cooling Units, and Warm and Cold Air Piping Used for Distributing the Conditioned Air From an Air Conditioning Unit, and for Air Conditioning Systems.
Claims use since May 7, 1931.

Ser. No. 387,783. GILBERT & BARKER MANUFACTURING COMPANY, West Springfield, Mass. Filed Jan. 14, 1937.

Econ-O-flex

For Oil Burners.
Claims use since Dec. 22, 1936.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 360,105. PARA TIRE & RUBBER CORP., New York, N. Y. Filed Jan. 10, 1935.

PARA AIR-FLOAT

The word "Para" is disclaimed apart from the mark shown.
For Automobile Tire Casings and Inner Tubes Therefor, Constructed Wholly or Partly of Rubber.
Claims use since Feb. 1, 1934.

CLASS 37

Paper and Stationery

Ser. No. 386,793. DITTO, INCORPORATED, Chicago, Ill. Filed Dec. 16, 1936.

DITTO

For Drawing Kits for Duplicating Purposes, Lead Pencils, Leads for Pencils, Printed Forms, Paper and Stationery—Namely, Card Stock, Drawing Paper, Parchment Paper, Treated Paper for Use as Backing Sheets in Typewriters, Paper for General Stationery and Duplicating Use, and Duplicating Pads for Use in Duplicating Machines or Duplicating Processes.
Claims use since Dec. 16, 1918, and applied to said drawing kits since November, 1934, and applied to said pencils and leads since September, 1929, and applied to said paper and stationery since March, 1927, and applied to said duplicating pads since May, 1932, and applied to said printed forms since Oct. 28, 1929.

Ser. No. 386,923. AFFILIATED ENTERPRISES, INC., Denver, Colo. Filed Nov. 30, 1936.



For Watermarked Printing Paper Sold as Such.
Claims use since Sept. 17, 1936.

Ser. No. 388,243. REYNOLDS MFG. CO., Holyoke, Mass. Filed Jan. 27, 1937.

Rencoil

For Stenographers' Books, Notebooks, Composition and Writing Books.
Claims use since Nov. 1, 1936.

CLASS 38

Prints and Publications

Ser. No. 379,315. SCHOLASTIC CORPORATION, Pittsburgh, Pa. Filed June 4, 1936.

Boy Dates Girl

For Feature Page or Column of a Weekly Periodical.
Claims use since May 23, 1936.

Ser. No. 384,735. CONSOLIDATED PUBLISHING COMPANY, Seattle, Wash. Filed Oct. 24, 1936.

PACIFIC WORK BOAT

For Section within a Monthly Publication.
Claims use since Oct. 1, 1936.

Ser. No. 385,612. TRENDS PUBLISHING COMPANY, Chicago, Ill. Filed Nov. 16, 1936.

TRENDS
THE FACT AND FORECAST MAGAZINE

For Monthly Publication Whose Subject Matter Covers Economic, Social, and Technological Conditions, Developments, and Trends.
Claims use since Nov. 1, 1936.

Ser. No. 385,904. ROLLER FANCIERS CORPORATION, Kansas City, Mo.; Chicago, Ill.; San Francisco, Calif.; London, England; Vancouver, British Columbia; Canada; and Leipzig, Germany. Filed Nov. 23, 1936.

CANARY JOURNAL

For Monthly Magazine.
Claims use since March, 1935.

Ser. No. 385,958. THE MILITARY SERVICE PUBLISHING COMPANY, Harrisburg, Pa. Filed Nov. 24, 1936.

MILITARY AND NAVAL DIGEST

For Magazine for the Military Service.
Claims use since Oct. 22, 1936.

Ser. No. 387,516. FANNIE SANDERS AND NATIONAL BANK OF COMMERCE OF SAN ANTONIO (joint executors of the estate of R. L. Sanders, deceased), doing business as Texas Hotel News, San Antonio, Tex. Filed Jan. 6, 1937.

TEXAS HOTEL NEWS

For Magazines Issued from Time to Time.
Claims use since 1916.

Ser. No. 387,926. FANNIE SANDERS AND NATIONAL BANK OF COMMERCE OF SAN ANTONIO (joint executors of the estate of R. L. Sanders, deceased), doing business as Texas Laundry News, San Antonio, Tex. Filed Jan. 18, 1937.

TEXAS LAUNDRY NEWS

For Magazines Issued from Time to Time.
Claims use since May 7, 1927.

Ser. No. 388,055. ESQUIRE FEATURES, INC., Chicago, Ill. Filed Jan. 22, 1937.

Style-Smiles

For Newspaper Feature Published Daily.
Claims use since September, 1936.

Ser. No. 388,212. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Jan. 26, 1937.

Pictogram

For Sections of Periodical Publications.
Claims use since Jan. 11, 1937.

Ser. No. 388,213. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Jan. 26, 1937.

The Trend of American Business

For Sections of Periodical Publications.
Claims use since Jan. 7, 1935.

Ser. No. 388,214. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Jan. 26, 1937.

The Voice of Government

For Sections of Periodical Publications.
Claims use since Jan. 18, 1937.

Ser. No. 388,225. BROTHERHOOD OF PAINTERS, DECORATORS AND PAPERHANGERS OF AMERICA, La Fayette, Ind. Filed Jan. 27, 1937.

The PAINTER *and* DECORATOR

For Periodicals Published Monthly.
Claims use since 1905.

Ser. No. 388,252. THE BUFFALO TIMES, INC., Buffalo, N. Y. Filed Jan. 29, 1937.



For Newspaper Column.
Claims use since Jan. 4, 1937.

Ser. No. 388,311. CONGOLEUM-NAIRN INC., Kearny, N. J. Filed Jan. 29, 1937.

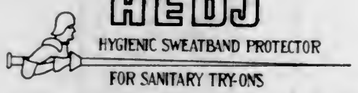
SEALEX SCRIBER

For Printed Periodical.
Claims use since July 24, 1936.

CLASS 39

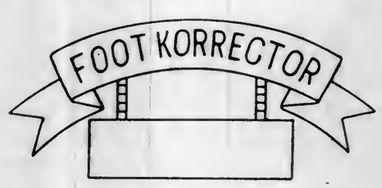
Clothing

Ser. No. 374,239. GARDS MANUFACTURING CO., INC., New York, N. Y. Filed Jan. 29, 1936.



The words "Hygienic Sweatband Protector" and "For Sanitary Try-Ons" are disclaimed apart from the mark.
For Head and Sweat Band Protectors for Hats and Caps and Headwear Generally for Men, Women, and Children.
Claims use since Jan. 6, 1936.

Ser. No. 382,360. MURRAY M. ROSENBERG, INC., New York, N. Y. Filed Aug. 19, 1936.



The words "Foot Korrector" are disclaimed apart from the mark shown.
For Shoes, Slippers, and Boots of Leather, Fabric, and Combinations Thereof, Spats, Heels, and Shoe Findings—Namely, Inner and Outer Soles, Uppers, Tongues, and Toe Caps.
Claims use since June 15, 1928.

Ser. No. 382,770. SAVE-SUM STORES, INCORPORATED, Houston, Tex. Filed Aug. 31, 1936.

SAVE-SUM STORES

The word "Stores" is disclaimed apart from the mark.
For Men's, Women's, and Children's Salvaged Wearing Apparel—Namely, Hats, Hosiery, Suits, Dresses, Neckties, Garment Supporters, Such as Belts for Outer Wear, Suspenders, and Garters, Union Suits, Shorts, Undershirts, Slips, Panties, Girdles, Brassières, Underwaists, and Shoes Made of Leather, Rubber, Fabric, Synthetic Materials, or of Combinations of These Materials.
Claims use since June 1, 1936.

Ser. No. 384,622. MEDICATED FABRICS LIMITED, London, England. Filed Oct. 21, 1936.

GLOVLIES

For Fabric Gloves and Mittens, Socks, Stockings, Neckbands and Wristbands, and Underclothing for Men, Women, and Children—Namely, Pants, Bust Bodices, Body Belts, Camisoles, Ladies' Knickers, and Corsets of the Boneless Type.
Claims use since Mar. 17, 1936.

Ser. No. 384,857. MILSHAP HATS, INC., New York, N. Y. Filed Oct. 27, 1936.



The expression "The Custom Tailored Hat" is disclaimed apart from the mark.
For Ladies' Hats.
Claims use since Sept. 21, 1936.

Ser. No. 384,923. FISCHERS KIDDIE COAT CORP., New York, N. Y. Filed Oct. 29, 1936.

LEG-O-NOL

For Children's Leggins and Combined Leggins and Coat Sets.
Claims use since Oct. 15, 1936.

Ser. No. 385,463. GOLDWATERS MERCANTILE CO., Phoenix, Ariz. Filed Nov. 14, 1936.

DESERT FASHIONS
Goldwaters
PHOENIX ARIZONA

The words "Fashions" and "Phoenix, Arizona" are disclaimed except as shown.
For Ladies' and Girls' Dresses, Sweaters, Coats, Suits, Sport Jackets, Sport Shirts, Slacks, Bathing Suits, Hats, Hosiery, and Leather, Fabric, and Leather and Fabric Gloves, and Men's and Boys' Sweaters, Outer Shirts, Ties, Socks, and Leather, Fabric, and Leather and Fabric Gloves.
Claims use since January, 1933.

Ser. No. 386,059. M. WILE & COMPANY, INC., Buffalo, N. Y. Filed Nov. 27, 1936.

Club Jello

For Men's, Youths', Boys', and Children's Suits, Coats, Trousers, Vests, Jackets, Golf-Suits, Knickers, Overcoats, Topcoats.
Claims use since January, 1925.

Ser. No. 386,413. DEBWAY HATS, INC., New York, N. Y. Filed Dec. 7, 1936.

RUTLEY Hats
TAILORED THOROBREDS

The words "Hats" and "Tailored" are disclaimed apart from the mark.
For Ladies' Hats.
Claims use since Nov. 25, 1936.

Ser. No. 386,725. DAINTY MAID SLIPPERS, INC., New York, N. Y. Filed Dec. 14, 1936.

"WALLY"
Sandal

For Ladies' and Misses' Shoes and Slippers Made of Leather, Canvas, Fabric, or Compositions or Combinations Thereof.
Claims use since Nov. 2, 1936.

Ser. No. 386,727. DOBRI, INC., New York, N. Y. Filed Dec. 14, 1936.

DOBRI
Individually Sculptured Hats

The word "Hats" is disclaimed except in the combination shown.
For Ladies' Hats.
Claims use since Oct. 15, 1936.

Ser. No. 386,739. ORTHOPEDIC SHOES, INC., Portsmouth, Ohio. Filed Dec. 14, 1936.

PHYSICAL CULTURE SHOES
health for active feet

The words "Shoes" and "Health for Active Feet" are disclaimed apart from the mark shown. Applicant is owner of T. M. Reg. No. 97334 (renewed) effected under the 10-year proviso.
For Shoes of Leather and Fabric and a Combination of These Materials.
Claims use since Sept. 15, 1936.

Ser. No. 387,032. COLT-CROMWELL CO., INC., New York, N. Y. Filed Dec. 22, 1936.

COLT

For Leather Riding Boots and Riding Shoes, for Men and Women, Boys and Girls, Military Dress Boots, Field and Service Boots, Jodphur and Riding Shoes, String Gloves, for Riding and Sports Wear, for Men and Women Made of Mercerized Cotton, Lined and Unlined, Leather Belts, Puttees, Moccasins, Sam Browne Belts, Both Web and Leather and Accessories Therefor; Military Field Belts for Army Officers of Leather, and Accessories Therefor—Namely, Shoulder Straps, Pistol Slide, Canteen Slide, First Aid Slide, Sabre Guard, Dee Slide and Magazine Clip Pouch, These Belts Being Sold as a Unitary Device.
Claims use since August, 1917.

Ser. No. 387,248. ERNEST J. KUHNE, Santa Ana, Calif. Filed Dec. 29, 1936.

FOOTOMETRIST

For Inner Soles for Shoes and Footwear.
Claims use since Sept. 9, 1935.

Ser. No. 387,479. EDW. K. TRYON COMPANY, Philadelphia, Pa. Filed Jan. 5, 1937.

TRUSPORT

The word 'Sport" is disclaimed except in association with the preceding "Tru".
For Clothing—Namely, Baseball Caps, Baseball Shoes, Athletic Socks, Football Shoes, Bowling Shoes, Running Shoes, Basketball Shoes, Boxing Shoes, and Sweat Shirts.
Claims use since July 5, 1934.

Ser. No. 387,588. MITCHELL & WEBER, INC., New York, N. Y. Filed Jan. 8, 1937.

Nellie Blye

The name of the individual referred to is the newspaper woman, "Nellie Bly," deceased, who made a trip around the world in 1889 in record time.
For Ladies' and Misses' Blouses.
Claims use since Nov. 2, 1936.

Ser. No. 387,781. ELIZABETH ELDRIDGE, San Antonio, Tex. Filed Jan. 14, 1937.

CO-EDIQUETTE

For Women's Wear—Namely, Hats, Dresses, Stockings, Sweaters, Shoes of Leather and Fabric, Slips, Coats, Handkerchiefs, Scarfs, and Fabric and Kid Gloves.
Claims use since Dec. 18, 1936.

Ser. No. 388,035. VALOMIST HOSIERY COMPANY, INC., New York, N. Y. Filed Jan. 21, 1937.

VĀLOMIST

For Scarfs, Sweaters, Bathing Suits, Underwear and Negligees, Pajamas, Bloomers, and Hosiery.
Claims use since Dec. 26, 1936.

Ser. No. 388,067. MOLLA MALLORY, New York, N. Y. Filed Jan. 22, 1937.

Molla Mallory

The trade-mark consists of applicant's signature.
For Women's, Misses' and Children's Dresses.
Claims use since Jan. 1, 1937.

Ser. No. 388,239. LOUIS MEYERS & SON, INC., New York, N. Y. Filed Jan. 27, 1937.

MELODOE

For Ladies', Men's, and Children's Leather Gloves.
Claims use since Aug. 5, 1935.

Ser. No. 388,258. MARY CATANIA, doing business as Catania Shoe Shop, New York, N. Y. Filed Jan. 28, 1937.

THE
CORRECT-OFUT
SHOE

The words "Correct", "Fut" and "Shoe", are disclaimed apart from the mark.
For Men's, Women's, Children's, and Boys' Leather Shoes.
Claims use since Mar. 31, 1936.

Ser. No. 388,268. S. S. KRESGE COMPANY, Detroit, Mich. Filed Jan. 28, 1937.

Courtship

For Hosiery.
Claims use since Nov. 15, 1936.

Ser. No. 388,401. MID-WEST WHOLESALERS INC., New York, N. Y. Filed Feb. 1, 1937.

WICKBURY

For Men's and Boys' Suits, Overcoats, Topcoats, Trousers, Knickers, Shorts, Pants, Hats, Caps, Dress Shirts, Negligee Shirts, Polo Shirts, Leather Gloves, Fabric Gloves, Wool Gloves, Cotton Gloves, Mittens, Coats, Leather Shoes, Fabric Shoes, Leather Slippers, Fabric Slippers, Sweaters, Bathing Suits, Cravats, Scarfs, Underwear, Hosiery, Suspenders, Garters, Belts, Pajamas, and Lounging Robes for Men and Boys.
Claims use since Jan. 20, 1936.

Ser. No. 388,427. ANDERMAN-BOB BURNS, INC., New York, N. Y. Filed Feb. 2, 1937.

THE
WORLD OF TOMORROW

For Women's, Misses', and Children's Dresses.
Claims use since Oct. 1, 1936.

Ser. No. 388,488. AARON CRAMER, INC., New York, N. Y. Filed Feb. 3, 1937.

Rippledale

For Ladies' Coats.
Claims use since Jan. 30, 1937.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 379,087. THE ENGLISH NEEDLE & FISHING TACKLE CO. LTD., Studley, England. Filed June 1, 1936.

PHANTOM

For Knitting Pins and Crochet Hooks for Hand Use.
Claims use since July 29, 1935.

CLASS 41

Canes, Parasols, and Umbrellas

Ser. No. 388,354. ELMER KREIS & Co., Chicago, Ill. Filed Jan. 30, 1937.

Rain Queen

For Umbrellas.
Claims use since Jan. 11, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 379,181. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y. Filed June 2, 1936.

KINKITONE

For Mohair and Cotton Pile Fabrics, in the Piece.
Claims use since May 26, 1936.

Ser. No. 379,182. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y. Filed June 2, 1936.

KURLVEL

For Mohair and Cotton Pile Fabrics in the Piece.
Claims use since May 27, 1936.

Ser. No. 379,183. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y. Filed June 2, 1936.

KURLYTIP

For Mohair and Cotton Pile Fabrics in the Piece.
Claims use since May 26, 1936.

Ser. No. 381,353. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y. Filed July 23, 1936.

Kurlicu

For Pile Fabrics in the Piece Composed of Mohair and Cotton.
Claims use since July 16, 1936.

Ser. No. 383,531. JOSEF KNITTED FABRICS, INC., New York, N. Y. Filed Sept. 23, 1936.

WOOLWEB

The word "Woolweb" is disclaimed apart from the mark.
For Piece Goods of Woolen and Worsted Woven and Knitted Fabrics, and Fabrics of Rayon, Linen, and Combinations of These Materials.
Claims use since January, 1935.

Ser. No. 387,159. SCHATZ-POLLACK WOOLEN COMPANY, INC., Chicago, Ill. Filed Dec. 24, 1936.

DUNHILL SPW FABRICS

The word "Fabrics" is disclaimed.
For Men's Woolens.
Claims use since June 20, 1935.

Ser. No. 387,563. SCHAFFRAN & LANDA, INC., New York, N. Y. Filed Jan. 7, 1937.

MIR-OPAL

For Piece Goods of Knitted Synthetic and Rayon Fabrics.
Claims use since Dec. 30, 1936.

Ser. No. 387,814. BEACON LOOMS, INC., New York, N. Y. Filed Jan. 15, 1937.

BEACON NETS

The word "Nets" is disclaimed apart from the mark.
For Window Curtains.
Claims use since January, 1936.

Ser. No. 387,819. DUMARI TEXTILE CO., INC., New York, N. Y. Filed Jan. 15, 1937.

DUMARI

WAN TANG

For Fabrics in the Piece of Silk, Cotton, Wool, or Rayon.
Claims use since Feb. 17, 1936.

Ser. No. 388,303. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y. Filed Jan. 29, 1937.

Stagerfriez

For Pile Fabrics in the Piece.
Claims use since Jan. 19, 1937.

Ser. No. 388,344. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed Jan. 30, 1937.

FASHIONLEAD

For Rayon Piece Goods.
Claims use since July 15, 1936.

Ser. No. 388,346. CHOPAK TEXTILE CO. INC., New York, N. Y. Filed Jan. 30, 1937.

UBANGI

For Plain and Printed Rayon and Acetate Cloth.
Claims use since Jan. 25, 1937.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 380,472. ELECTRO-BEST MANUFACTURING CO., Detroit and Highland Park, Mich. Filed July 1, 1936.

ELECTRO-BEST

The word "Best" is disclaimed.
For Electro-Steam Vaporizers for Scalp Treatment.
Claims use since Feb. 28, 1931.

Ser. No. 386,736. JANE MCKINLAY, doing business as Rejuvo Sales Co., Los Angeles, Calif. Filed Dec. 14, 1936.

REJUVO



The portrait is that of the applicant.
For Face Lifting Appliances.
Claims use since October, 1934.

Ser. No. 388,041. THE WILLIAMS GOLD REFINING CO., INC., Buffalo, N. Y. Filed Jan. 21, 1937.

"Klondiker"

For Casting Metals Used in Dentistry.
Claims use since Nov. 15, 1936.

Ser. No. 388,473. VIDUELLE PERMANENT WAVE CO., San Francisco, Calif. Filed Feb. 2, 1937.

Viduelle

For Electrical Apparatus for Permanently Waving Hair.
Claims use since Jan. 21, 1937.

Ser. No. 388,625. X-RAY PANORASCOPE, INC., Jamaica, N. Y. Filed Feb. 6, 1937.

X-RAY PANORASCOPE

The word "X-ray" is disclaimed apart from the mark.
For Device for Viewing Dental X-ray Films and the Like.
Claims use since Nov. 18, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 388,276. OZONE CO., INC., New Orleans, La. Filed Jan. 28, 1937.

Ozone

For Spring Water and Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since 1898.

Ser. No. 388,405. NATURAL SET UP SALES CORPORATION, St. Louis, Mo. Filed Feb. 1, 1937.

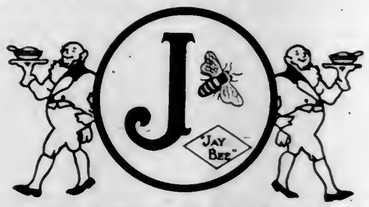
NATURAL SET UP

For Carbonated Soft Drinks with Lemon Flavor Predominating, and for Nonalcoholic Maltless Extracts and Concentrated Fruit Syrups Used in the Preparation of Said Soft Drinks.
Claims use since Oct. 15, 1934.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 362,177. JABURG BROTHERS, INCORPORATED, New York, N. Y. Filed Mar. 6, 1935.



For Alimentary Pastes, Butter, Candies, Maraschino Cherries, Candied Orange and Citrus Peel, Glacé Fruits, Canned Fruits, Canned Vegetables, Canned Soups; Fresh, Powdered, Condensed and Evaporated Milk; Dried Eggs, Canned Fish, Catsup, Chili Sauce, Fruit Preserves, Salad and Fruit Dressings, Peanut and Fruit Butters, Cereal Breakfast Foods, Cheese, (Chocolate and Cocoa for Beverages), Chocolate and Cocoa for Making Candy and Bakery Products, Coffee, Corn Starch, Dehydrated Vegetables, Extracts and Extract Powders for Food Flavoring, Edible Fats and Oils for Shortening in Frying and Baking; Pancake, Buckwheat, Rye and Wheat Flour; Tapioca, Gelatine, Glucose, Honey, Pickles, Lard, Lard Substitute, Potato Flour, Hop Extract and Malt Extract for Food Purposes, Mayonnaise, Marshmallow Whip, Mince Meat, Molasses, Sandwich Spreads, Mustard, Nuts and Nut Pastes, Oleomargarine, Spices, Pie Crust Preparation, Pie Filling, Dry, Buttered and Sweetened Pop Corn, Potato Chips, Rice, Cane Syrup, Corn Syrup, Maple and Corn Syrup Made From Combinations Thereof, Sugars, Tea and Tea Balls, Vinegar, Yeast, and Bird Foods.
Claims use since September, 1932.

Ser. No. 373,704. SALVATORE SAPUTO, West New York, N. J. Filed Jan. 15, 1936.



For Olive Oil.
Claims use since June 1, 1934.

Ser. No. 379,344. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis. Filed June 5, 1936.

"DAIRY WHIP"

The word "Whip" is disclaimed apart from the mark shown.
For Chocolate Powder for Combining With Milk and Other Ingredients to Produce a Food Beverage.
Claims use since Nov. 1, 1935.

Ser. No. 379,479. LOPLAW GROCETERIAS, INC., Buffalo, N. Y. Filed June 9, 1936.

Magic Cup



For Coffee.
Claims use since June 1, 1936.

Ser. No. 379,499. UNITED FARMERS COOPERATIVE CREAMERY ASSOCIATION, INC., Morristown (Morrisville), Vt. Filed June 11, 1936.

Freezsweet

For Ice Cream, Sherbets, and Mousses.
Claims use since May 15, 1936.

Ser. No. 379,898. OLD MONK OLIVE OIL CO., Chicago, Ill. Filed June 18, 1936.

Old Monk



Triple Whipped BRAND

The words "Triple Whipped Brand" are disclaimed apart from the mark.
For Salad Dressing.
Claims use since Mar. 15, 1935.

Ser. No. 382,140. STANDARD SAFETY EQUIPMENT CO., Chicago, Ill. Filed Aug. 13, 1936.

STASAFE

For Sodium Chloride Tablets.
Claims use since January, 1927.

Ser. No. 382,154. M. L. GRAHAM, Seattle, Wash. Filed Aug. 14, 1936.

Crē-Maid

For Ice Cream, Sherbets, and Ice Cream Bars, Sold in Bulk or in Packages; Candy, Bread, Fresh Milk, Butter, Cheese.
Claims use since June 20, 1936.

Ser. No. 383,504. HELMS BAKERIES, Los Angeles, Calif. Filed Sept. 22, 1936.



Daily at Your Door

The words "Daily at Your Door" are disclaimed apart from the mark as shown.
For Bakery Products—Namely Bread.
Claims use since Mar. 1, 1931.

Ser. No. 384,728. HIRAM LANPHEAR & COMPANY, Chicago, Ill. Filed Oct. 21, 1936.



For Canned Food Made From Toasted Wheat Embryo, Adapted To Be Mixed with Cereals, Gravies, Soups, Salads, Milk, Cream, Fruit Juices, Vegetables, or Other Food, or To Be Eaten Alone, Containing Vitamin B.
Claims use since Aug. 1, 1936.

Ser. No. 385,043. FRANK JILL, INC., New York, N. Y. Filed Nov. 2, 1936.

Bi'Jo! GOOD

The word "Good" is disclaimed apart from the mark.
For Fresh Deciduous Fruits.
Claims use since Aug. 20, 1936.

Ser. No. 385,138. EAST TENNESSEE PACKING COMPANY, Knoxville, Tenn. Filed Nov. 4, 1936.

BALSAM

For Dry Salt Fancy Square Cut Pork Bellies, and Eggs.
Claims use since Apr. 3, 1935.

Ser. No. 385,742. E. B. MOSHIER, doing business as The Instant Products Manufacturing Company, Omaha, Nebr. Filed Nov. 19, 1936.

DRINK-ADE

For Concentrated Fruit Flavors for Use in Preparing Sherbets.
Claims use since May 10, 1935.

Ser. No. 386,733. BEN B. KRASNOW, doing business as Ben B. Krasnow Co., Sacramento, Calif. Filed Dec. 14, 1936.



For Fresh Fruits—Namely, Fresh Grapes—and Fresh Vegetables.
Claims use since Nov. 1, 1921, on said fruits; and since Dec. 4, 1936, on said vegetables.

Ser. No. 386,818. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Dec. 16, 1936.

HEM-U-LOS

For Prepared Vegetable Product for Human Consumption and as a Supplement to Diets Which are Deficient in Bulk Forming Substances.
Claims use since Oct. 26, 1936.

Ser. No. 387,149. TINDALL, KOLBE & MCDOWELL CO., Milwaukee, Wis. Filed Dec. 24, 1936.

BADGER

Applicant is the owner of expired trade-mark registration No. 111,313.
For Coffee.
Claims use since Dec. 1, 1907.

Ser. No. 387,260. ANNETTE ISLAND CANNING CO., Ketchikan, Alaska, and Seattle, Wash. Filed Dec. 30, 1936.

Alaska Gem

For Canned Salmon.
Claims use since July 22, 1933.

Ser. No. 387,333. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Dec. 31, 1936.

BUTTER BLOWS

The word "Butter" is disclaimed apart from the mark shown.
For Crackers, Biscuits, and Cakes.
Claims use since Nov. 19, 1936.

Ser. No. 387,334. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Dec. 31, 1936.

BUTTER DABS

The word "Butter" is disclaimed apart from the mark shown.
For Crackers, Biscuits, and Cakes.
Claims use since Nov. 19, 1936.

Ser. No. 387,415. THE WANDER COMPANY, Chicago, Ill. Filed Jan. 2, 1937.

VEGUMINE

For Dehydrated Vegetable Carbohydrate Food Product for Human Consumption.
Claims use since Dec. 28, 1936.

Ser. No. 387,426. THE ACME FLOUR MILLS CO., Oklahoma City, Okla. Filed Jan. 4, 1937.

SPEED KING

For Wheat Flour.
Claims use since July 1, 1936.

Ser. No. 387,491. THE BORDEN COMPANY, New York, N. Y., and Chicago, Ill. Filed Jan. 6, 1937.

SKIROCKET

For Frozen Chocolate Fudge.
Claims use since Nov. 5, 1936.

Ser. No. 387,761. WAVERLY COCOA & CHOCOLATE CO., INC., Brooklyn, N. Y. Filed Jan. 13, 1937.

Hermitage



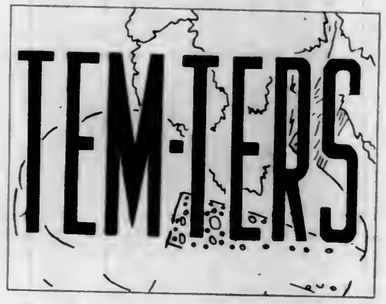
For Candy—Namely, Chocolates.
Claims use since Dec. 12, 1936.

Ser. No. 387,825. GENTILE BROS. COMPANY, Cincinnati, Ohio, and Orlando, Fla. Filed Jan. 15, 1937.

HOSPITAL PACK

No claim is made to the word "Pack" apart from the mark shown.
For Canned Citrus Juices for Food Purposes.
Claims use since Dec. 31, 1936.

Ser. No. 388,139. THE LAUREL BISCUIT COMPANY, Dayton, Ohio. Filed Jan. 25, 1937.



For Wafers Flavored with Cheese and Celery.
Claims use since Jan. 15, 1936.

Ser. No. 388,190. E. GREENFIELD'S SONS, INC., New York, N. Y. Filed Jan. 26, 1937.

Greenfield's

Applicant is the owner of trade-mark registration No. 49,095, granted under the 10-year proviso.
For Candies and Chocolates.
Claims use since Jan. 1, 1865.

Ser. No. 388,211. TIEDEMANN & MCMORRAN, San Francisco, Calif. Filed Jan. 26, 1937.

Dietreat

For Canned Fruits and Vegetables.
Claims use since Jan. 15, 1937.

Ser. No. 388,286. SOUTHERN RICE SALES CO., INC., New York, N. Y. Filed Jan. 28, 1937.

SORICO

For Rice.
Claims use since August, 1914.

Ser. No. 388,294. CONTINENTAL MILLS, INC., Seattle, Wash. Filed Jan. 22, 1937.

Cakeaz

For Prepared Cake-Mix.
Claims use since Nov. 27, 1936.

Ser. No. 388,345. CHICKY CANDIES, INC., Grand Rapids, Mich. Filed Jan. 30, 1937.

SWING

For Candy.
Claims use since Jan. 11, 1937.

Ser. No. 388,380. JOE LOWE CORPORATION, New York, N. Y. Filed Feb. 5, 1937.

SIPSICLE

For Frozen Confections.
Claims use since Jan. 27, 1937.

CLASS 48

Malt Beverages and Liquors

Ser. No. 387,187. INDEPENDENT MILWAUKEE BREWERY, Milwaukee, Wis. Filed Dec. 28, 1936.



The words "Little" and "Brau" are disclaimed apart from the mark.
For Malt Beverage.
Claims use since Dec. 8, 1936.

Ser. No. 387,998. FREDERICK BROS., INC., Chicago, Ill. Filed Jan. 21, 1937.

Frederick's FOUR 4 CROWN

For Malt Beverages and Beer.
Claims use since Oct. 20, 1936.

Ser. No. 388,361. MISSOULA BREWING CO., Missoula, Mont. Filed Jan. 30, 1937.

Highlander

For Beer.
Claims use since May, 1910.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 385,843. L. E. JUNG & WULFF COMPANY, INC., New Orleans, La. Filed Nov. 21, 1936.

CAJIN

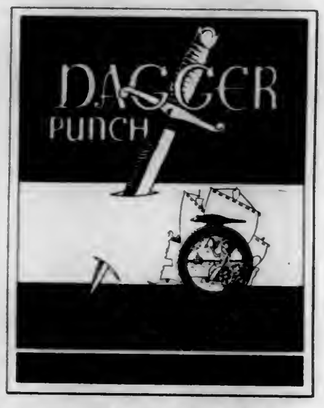
For Whiskey, Gin, and Liqueurs.
Claims use since Nov. 1, 1936.

Ser. No. 386,912. SAZERAC COMPANY, INC., New Orleans, La. Filed Dec. 18, 1936.



For Gin.
Claims use since Oct. 15, 1936.

Ser. No. 387,564. SCHIEFFELIN & CO., New York, N. Y. Filed Jan. 7, 1937.



The word "Punch" is disclaimed apart from the mark.
For Rum.
Claims use since Dec. 21, 1936.

Ser. No. 388,048. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Jan. 22, 1937.

DELVER

For Whiskey, Gin, Rum, Rye, Brandy, and Alcoholic Cordials.
Claims use since Jan. 11, 1937.

Ser. No. 388,474. WOODFORD COUNTY DISTILLERY CO., Midway, Ky. Filed Feb. 1, 1937.

American Gentleman

For Whiskey.
Claims use since Dec. 16, 1936.

Ser. No. 389,147. OLD COLLINS COMPANY, INC., DISTILLERS, New York, N. Y. Filed Feb. 19, 1937.

TREADMILL

For Gin, Whiskey, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 19, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 386,928. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y. Filed Dec. 19, 1936.

Sportranger

For High Count, Light Weight Cotton Fabrics Dyed and Waterproofed for Sport and Outdoor Clothing Purposes in the Piece.
Claims use since Dec. 8, 1936.

Ser. No. 386,956. MARTIN DYEING & FINISHING COMPANY, Bridgeton, N. J. Filed Dec. 19, 1936.

E-Z-SO

For Water Resistant Cotton Duck in the Piece.
Claims use since Dec. 1, 1936.

Ser. No. 388,422. UECKER EQUIPMENT COMPANY, Wauwatosa, Wis. Filed Feb. 1, 1937.

SAFWAY

For Ladders and Scaffold Equipment.
Claims use since June 1, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 30, 1937

344,500. BASE METAL ASPARAGUS COOKERS. NORREY'S PRODUCTS INC., New York, N. Y.
Filed October 20, 1934. Serial No. 357,343. PUBLISHED JANUARY 19, 1937. Class 13.

344,501. DRIED FRUITS AND SPANISH PEPPERS. SCHROEDER BROS., INC., New York, N. Y.
Filed December 14, 1934. Serial No. 359,320. PUBLISHED JANUARY 29, 1935. Class 46.

344,502. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. WILLIAM H. LOVELAND COMPANY, Binghamton, N. Y.
Filed March 12, 1935. Serial No. 362,427. PUBLISHED JANUARY 12, 1937. Class 6.

344,503. BRANDY. CAMEO VINEYARDS COMPANY, Fresno, Calif.
Filed March 25, 1935. Serial No. 362,942. PUBLISHED MARCH 3, 1936. Class 49.

344,504. MEDICINES, ANTISEPTICS, AND PHARMACEUTICAL PREPARATIONS AND PARTICULARLY THE FOLLOWING MEDICINES—ANTISEPTIC, MEDICATED SHAMPOO, ELIXIR, TAENICIDE, VERMIFUGE CAPSULES, OINTMENT, EAR CANKER LOTION, DISTEMPER TABLETS, AND MANGE TABLETS, EXCLUDING MEDICINAL PREPARATIONS FOR INJECTION INTO THE BLOOD STREAM. SUPREME LABORATORIES, Chicago, Ill.
Filed April 1, 1935. Serial No. 363,301. PUBLISHED JANUARY 12, 1937. Class 6.

344,505. MEDICINE FOR CERTAIN STOMACH DISORDERS; NASAL JELLIES, PARTICULARLY ANALGESIC BALM; RHEUMATIC BALM; AND COUGH MEDICINES, PARTICULARLY COUGH BALSAM. KATRO-LEK LABORATORIES INCORPORATED, Boston, Mass.
Filed April 15, 1935. Serial No. 363,758. PUBLISHED MAY 21, 1935. Class 6.

344,506. ANESTHETICS. E. R. SQUIBB & SONS, New York, N. Y.
Filed July 13, 1935. Serial No. 367,263. PUBLISHED JANUARY 12, 1937. Class 6.

344,507. ANESTHETICS. E. R. SQUIBB & SONS, New York, N. Y.
Filed July 13, 1935. Serial No. 367,264. PUBLISHED JANUARY 12, 1937. Class 6.

344,508. TOILET WATER, COLOGNES, HAIR LOTIONS, FACE LOTIONS, COLD CREAM, SKIN CREAM, AND SHAMPOOS. HOUSE OF WALMAR, Chicago, Ill.
Filed September 19, 1935. Serial No. 369,487. PUBLISHED FEBRUARY 4, 1936. Class 6.

344,509. FACIAL CREAMS. DERMALURE COMPANY, Chicago, Ill., assignor to Dermalure, Inc., Chicago, Ill., a Corporation of Illinois.
Filed October 28, 1935. Serial No. 370,872. PUBLISHED JANUARY 21, 1936. Class 6.

344,510. PERFUMERY PRODUCTS—NAMELY, PERFUMES, TOILET WATERS, TOOTH PASTE AND POWDERS, HAIR TONICS AND LOTIONS, FACE CREAMS, FACE LOTIONS, AND FACE POWDERS. PARFUMS REVILLON, Paris, France.
Filed October 30, 1935. Serial No. 370,998. PUBLISHED MARCH 17, 1936. Class 6.

344,511. CATALOGS PUBLISHED ANNUALLY. SUPPLE-BIDDLE HARDWARE CO., Philadelphia, Pa.
Filed December 5, 1935. Serial No. 372,292. PUBLISHED JANUARY 12, 1937. Class 38.

344,512. ELECTRICAL WIRE, CABLE, AND CONDUCTORS, BOTH INSULATED AND UNINSULATED, AND WIRE, CABLE, AND HARNESSES AND CORD SETS HAVING CONNECTORS, SOCKETS AND/OR TERMINAL MEMBERS CARRIED THEREBY, ETC. CRESCENT INSULATED WIRE AND CABLE COMPANY, Trenton, N. J.
Filed December 16, 1935. Serial No. 372,658. PUBLISHED MAY 26, 1936. Class 21.

344,513. SCOTCH WHISKEY. ROBERT MCNISH & CO. LTD., Glasgow, Scotland, and London, England.
Filed December 26, 1935. Serial No. 373,080. PUBLISHED JANUARY 19, 1937. Class 49.

344,514. DOLLS. MYERS & LINDQUIST, St. Paul, Minn.
Filed January 2, 1936. Serial No. 373,261. PUBLISHED JANUARY 19, 1937. Class 22.

344,515. ADDING MACHINES AND CALCULATORS. ALLEN CALCULATORS, INCORPORATED, New York, N. Y.
Filed January 11, 1936. Serial No. 373,550. PUBLISHED JANUARY 19, 1937. Class 26.

344,516. WHEAT FLOUR. PRATT-MALLORY COMPANY, Sioux City, Iowa.
Filed January 23, 1936. Serial No. 374,020. PUBLISHED JANUARY 19, 1937. Class 46.

344,517. CHEMICAL PRODUCT FOR PRESERVING WOOD AND OTHER ORGANIC MATERIALS. ZINSSER & COMPANY, INC., Hastings on Hudson, N. Y.
Filed February 18, 1936. Serial No. 374,993. PUBLISHED DECEMBER 8, 1936. Class 6.

344,518. WALL COATING PREPARATION FOR MOTH CONTROL. CEDERIT COMPANY, San Francisco, Calif.
Filed March 30, 1936. Serial No. 376,573. PUBLISHED JANUARY 12, 1937. Class 6.

344,519. TENNIS RACQUETS AND TENNIS BALLS. WALGREEN CO., Chicago, Ill.
Filed May 4, 1936. Serial No. 378,011. PUBLISHED JANUARY 19, 1937. Class 22.

344,520. OIL SOLUBLE BISMUTH COMPOUND FOR THE TREATMENT OF SYPHILIS AND SIMILAR DISEASES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed May 11, 1936. Serial No. 378,329. PUBLISHED AUGUST 4, 1936. Class 6.

344,521. MOTOR VEHICLES—NAMELY, AUTOMOBILES, LORRIES, COMMERCIAL MOTOR VEHICLES, AND TRACTOR TRUCKS. THE AUSTIN MOTOR COMPANY, LIMITED, Northfield, Birmingham, England.
Filed May 26, 1936. Serial No. 378,873. PUBLISHED JANUARY 19, 1937. Class 19.

344,522. AUXILIARY WINDOW UNITS FOR INSULATING WINDOWS AGAINST HEAT AND COLD. LUX-AIR EQUIPMENT COMPANY, Detroit, Mich.
Filed June 1, 1936. Serial No. 379,118. PUBLISHED JANUARY 12, 1937. Class 12.

344,523. SKIN REJUVENATING EMOLLIENT. ANN MEREDITH FOUNDATION, Hollywood, Calif.
Filed June 1, 1936. Serial No. 379,121. PUBLISHED SEPTEMBER 1, 1936. Class 6.

344,524. AUTOMOBILE AND CHASSIS THEREOF. BENTLEY MOTORS (1931) LIMITED, London, England.
Filed June 2, 1936. Serial No. 379,179. PUBLISHED JANUARY 19, 1937. Class 19.

344,525. PAINT FINISH, READY MIXED PAINTS, PAINT ENAMEL, AND VARNISHES. F. A. LIFTER, doing business as Florian Products Company, Newark, N. J.
Filed June 15, 1936. Serial No. 379,753. PUBLISHED JANUARY 19, 1937. Class 16.

344,526. CONCENTRATED BEVERAGE POWDER FOR USE IN MAKING NON-ALCOHOLIC, MALTLESS DRINKS. JOHN H. WALTERS, doing business as Home Products Company, Kansas City, Mo.
Filed July 9, 1936. Serial No. 380,852. PUBLISHED JANUARY 19, 1937. Class 45.

344,527. MACHINE OIL FOR LUBRICATING PURPOSES AND PENETRATING OIL. MIDWAY CHEMICAL CO., Chicago, Ill.
Filed July 20, 1936. Serial No. 381,231. PUBLISHED JANUARY 5, 1937. Class 15.

344,528. PREPARATIONS OF COD LIVER OIL. BRITISH COD LIVER OIL PRODUCERS (HULL) LIMITED, Hull, England.
Filed July 28, 1936. Serial No. 381,525. PUBLISHED JANUARY 5, 1937. Class 6.

344,529. TONIC SALTS FOR HUMAN CONSUMPTION TO COMBAT MINERAL DEFICIENCY DEBILITIES. LEMUEL ALLAN WILMOT, Toronto, Ontario, Canada.
Filed July 29, 1936. Serial No. 381,597. PUBLISHED JANUARY 12, 1937. Class 6.

344,530. LAXATIVE TABLETS. MARSENA N. WELDON, Los Angeles, Calif.
Filed August 12, 1936. Serial No. 382,106. PUBLISHED JANUARY 19, 1937. Class 6.

344,531. LINEN, COTTON, AND WOOLEN GOODS IN THE PIECE AND COMBINATIONS THEREOF. WM. A. ROTHHOLZ CO. INC., New York, N. Y.
Filed August 22, 1936. Serial No. 382,489. PUBLISHED JANUARY 19, 1937. Class 42.

344,532. WINES. ROMA WINE COMPANY, INC., Lodi, Calif.
Filed August 24, 1936. Serial No. 382,526. PUBLISHED JANUARY 19, 1937. Class 47.

344,533. WINES. ROMA WINE COMPANY, INC., Lodi, Calif.
Filed August 24, 1936. Serial No. 382,528. PUBLISHED JANUARY 19, 1937. Class 47.

344,534. WINES. ROMA WINE COMPANY, INC., Lodi, Calif.
Filed August 24, 1936. Serial No. 382,529. PUBLISHED JANUARY 19, 1937. Class 47.

344,535. DEVICE TO MEASURE THE TIME TAKEN BY AUTOMOBILE DRIVERS TO RESPOND (1) MENTALLY AND (2) PHYSICALLY TO EVIDENCE OF IMMINENT PERSONAL PERIL, DENOTED VISUALLY BY THE FLASHING OF A DANGER LIGHT SIGNAL, THE WHOLE CONSTITUTING THE "REACTION-TIME" OF AN INDIVIDUAL DRIVER. BECK & WALL, INC., Cleveland, Ohio, assignor to The Aetna Casualty and Surety Company, Hartford, Conn.
Filed August 27, 1936. Serial No. 382,618. PUBLISHED JANUARY 19, 1937. Class 26.

344,536. OLIVES, OLIVE OIL, AND BOTTLED CHERRIES. S. J. VALK & SON, New York, N. Y.
Filed August 31, 1936. Serial No. 382,778. PUBLISHED JANUARY 19, 1937. Class 46.

344,537. COMBINATION OF A FACIAL CREAM AND MASK. WILLIAM MCCLENAGHAN, New York, N. Y.
Filed September 4, 1936. Serial No. 382,922. PUBLISHED JANUARY 19, 1937. Class 6.

344,538. PRECAST CONCRETE UNITS FOR WALL CONSTRUCTION. THE MAKECO COMPANY, San Antonio, Tex.
Filed September 9, 1936. Serial No. 383,067. PUBLISHED JANUARY 12, 1937. Class 12.

344,539. VAGINAL CLEANSER PREPARATION. ARTHUR G. HULETT, Los Angeles, Calif.
Filed September 10, 1936. Serial No. 383,095. PUBLISHED JANUARY 12, 1937. Class 6.

344,540. SPORTSWEAR FOR WOMEN AND CHILDREN—NAMELY, BEACH PAJAMAS AND CULOTTES. ELLERY JOE CHUN, Honolulu, Territory of Hawaii.
Filed September 11, 1936. Serial No. 383,121. PUBLISHED JANUARY 12, 1937. Class 39.

344,541. ELECTRIC LOCOMOTIVE HEADLIGHTS, ELECTRIC LIGHTS AND LIGHTING EQUIPMENT AND HOUSINGS AND SUPPORTS THEREFOR, ETC. THE PYLE-NATIONAL COMPANY, Chicago, Ill.
Filed September 11, 1936. Serial No. 383,138. PUBLISHED JANUARY 19, 1937. Class 21.

344,542. MEDICINE FOR RELIEF OF PAIN, SIMPLE HEADACHES, NEURALGIA, HEAD COLDS, AND MUSCULAR ACHES AND PAINS. LANDON B. COLLINS, doing business as Al-Ser-Col Sales, Oakland, Calif.
Filed September 11, 1936. Serial No. 383,191. PUBLISHED JANUARY 19, 1937. Class 6.

344,543. HOLDING CLIPS FOR TREE LIGHT SOCKETS. PAPER FINISHING CO., Chicago, Ill.
Filed September 14, 1936. Serial No. 383,246. PUBLISHED JANUARY 19, 1937. Class 13.

344,544. PASTE SOAP FOR PETROLEUM SOLVENT SYSTEMS. STERLING PRODUCTS COMPANY, Easton, Pa.
Filed September 16, 1936. Serial No. 383,329. PUBLISHED NOVEMBER 24, 1936. Class 4.

344,545. SOLUTION OF MANGANESE IN COLLOIDAL FORM FOR USE IN FURUNCULOSIS SEBORRHOEIC, ECZEMA, FOLLOWING WOUND INFECTION AND IN THE TREATMENT OF BOILS AND ABSCESSES, AS WELL AS A PREPARATION FOR USE IN POISONING BY SULPHUR COMPOUNDS AND MUSTARD GAS (DICHLORETHYL SULPHIDE). MULFORD COLLOID LABORATORIES, Philadelphia, Pa.
Filed September 18, 1936. Serial No. 383,399. PUBLISHED JANUARY 12, 1937. Class 6.

344,546. ADHESION-PREVENTING MATERIAL FOR RUBBER-VULCANIZING MOLDS, SOLD IN POWDERED FORM. CURTIS J. HARWICK, doing business as Standard Chemical Company, Akron, Ohio.
Filed September 23, 1936. Serial No. 383,528. PUBLISHED JANUARY 5, 1937. Class 6.

344,547. MOLDED CONSTRUCTION MEMBERS SUCH AS BLOCKS INCORPORATING PORTLAND CEMENT AND SLAG AGGREGATE. ALBERT HENDERSON, Pittsburgh, Pa.
Filed September 24, 1936. Serial No. 383,576. PUBLISHED JANUARY 12, 1937. Class 12.

344,548. STRUCTURAL MEMBERS OF STEEL OR MOLDED PLASTIC MATERIAL SUCH AS PORTLAND CEMENT. ALBERT HENDERSON, Pittsburgh, Pa.
Filed September 24, 1936. Serial No. 383,577. PUBLISHED JANUARY 12, 1937. Class 12.

344,549. MOLDED CONSTRUCTION MEMBERS SUCH AS BLOCKS INCORPORATING PORTLAND CEMENT AND CINDER AGGREGATE. ALBERT HENDERSON, Pittsburgh, Pa.
Filed September 24, 1936. Serial No. 383,579. PUBLISHED JANUARY 12, 1937. Class 12.

344,550. MEDICINAL PREPARATION INDICATED IN AND FOR THE TREATMENT OF CHRONIC INDIGESTION, BILIOUS DIARRHOEA, ETC. THE ULRICI MEDICINE COMPANY, INC., New York, N. Y.
Filed September 24, 1936. Serial No. 383,666. PUBLISHED JANUARY 5, 1937. Class 6.

344,551. WINDOWS, MORE PARTICULARLY OF THE TYPE OF WINDOWS KNOWN AS "STORM SASH" OR "WINTER WINDOWS." CHAMBERLIN METAL WEATHER STRIP COMPANY, Detroit, Mich.
Filed September 26, 1936. Serial No. 383,674. PUBLISHED JANUARY 12, 1937. Class 12.

344,552. MUSTARD PLASTERS. LÉON DARRASSE & CIE., SOCIÉTÉ DU PAPIER RIGOLLOT, SOCIÉTÉ EN COMMANDITE, Paris, France.
Filed September 26, 1936. Serial No. 383,677. PUBLISHED JANUARY 12, 1937. Class 6.

344,553. BRASS AND COPPER BOILER TUBES, CONDENSER TUBES, HEATERS, AND EVAPORATORS IN STRAIGHT LENGTHS OR COILS. AMERICAN TUBE WORKS, INC., New York, N. Y.
Filed September 26, 1936. Serial No. 383,696. PUBLISHED JANUARY 19, 1937. Class 34.

344,554. HAIR DYE. MAYOR WALNUT HAIR DYE CO., INC., Kansas City, Mo.
Filed September 28, 1936. Serial No. 383,760. PUBLISHED JANUARY 19, 1937. Class 6.

344,555. ARTISTIC DRAWINGS FOR TEXTILE DESIGNS SOLD AS SUCH IN THE TRADE. ETHEL TRAPHAGEN LEIGH, doing business as The Traphagen School of Fashion, New York, N. Y.
Filed September 29, 1936. Serial No. 383,774. PUBLISHED JANUARY 12, 1937. Class 38.

344,556. CHAINS FOR TONGS AND PIPE VISES. J. H. WILLIAMS & CO., Buffalo, N. Y.
Filed September 29, 1936. Serial No. 383,792. PUBLISHED JANUARY 19, 1937. Class 23.

344,557. BREAD. GATEWAY BAKING COMPANY, Fort Smith, Ark.
Filed September 30, 1936. Serial No. 383,806. PUBLISHED JANUARY 19, 1937. Class 46.

344,558. HAIR DRYING APPARATUS. E. FREDERICS, INC., New York, N. Y.
Filed October 1, 1936. Serial No. 383,840. PUBLISHED JANUARY 19, 1937. Class 44.

344,559. PREPARATION FOR THE TREATMENT OF HEMORRHOIDS AND COLITIS AND PROCTITIS. JOSEPH BUSCH, Des Moines, Iowa.
Filed October 2, 1936. Serial No. 383,871. PUBLISHED JANUARY 12, 1937. Class 6.

344,560. FACIAL PACKS AND MASQUES AND TOILET CREAMS. CARON CORPORATION, New York, N. Y.
Filed October 2, 1936. Serial No. 383,872. PUBLISHED JANUARY 12, 1937. Class 6.

344,561. LIVER AND SULPHUR COMPOUND FOR USE IN MENTAL AND BODILY EXHAUSTION, LOWERED VITALITY, SUBNORMAL NUTRITION, AND IN CONVALESCENCE WHERE A NERVE AND CELL STIMULANT AND TONIC NUTRIENT IS REQUIRED. RICHARD G. TUNISON, doing business as R. G. Tunison Co., New York, N. Y.
Filed October 3, 1936. Serial No. 383,963. PUBLISHED JANUARY 12, 1937. Class 6.

344,562. WEEKLY PERIODICAL OF PARTICULAR INTEREST TO SCHOOL CHILDREN AND TEACHERS. EDUCATIONAL CARAVANS, INC., Buffalo, N. Y.
Filed October 5, 1936. Serial No. 383,991. PUBLISHED JANUARY 19, 1937. Class 38.

344,563. COUGH DROPS, A MEDICAL PREPARATION. CANDY BROS. MANUFACTURING COMPANY, St. Louis, Mo.
Filed September 25, 1936. Serial No. 384,065. PUBLISHED JANUARY 5, 1937. Class 6.

344,564. GENERAL TONIC HAVING A WINE BASE FOR CONSTIPATION, LOSS OF APPETITE, AND IMPROVING DIGESTION; CORN PREPARATION, COUGH PREPARATION, HEADACHE POWDERS, PREPARATIONS FOR RHEUMATIC AILMENTS, TOILET PREPARATIONS—NAMELY, FACE CREAMS, HAIR TONIC, FACE POWDER, PERFUMES, LIPSTICK. DAVID WRÓBLEWSKI, doing business as D. Wróblewski & Co., Brooklyn, N. Y.
Filed September 29, 1936. Serial No. 384,066. PUBLISHED JANUARY 12, 1937. Class 6.

344,565. WOOLEN RUGS FOR PERSONAL USE. G. & G. KYNOCH, LTD., London, England.
Filed October 7, 1936. Serial No. 384,090. PUBLISHED JANUARY 19, 1937. Class 42.

344,566. WOOLEN PIECE GOODS. G. & G. KYNOCH, LTD., London, England.
Filed October 7, 1936. Serial No. 384,091. PUBLISHED JANUARY 19, 1937. Class 42.

344,567. ALCOHOLIC PUNCHES, ALCOHOLIC MIXED DRINKS, WHISKEY HIGHBALL, GIN HIGHBALL, WHISKEY SOUR, GIN SOUR, BEVERAGE COMPRISING GIN, FRUIT JUICE, AND CHARGED WATER. THE TOM COLLINS CORPORATION, Covington, Ky.
Filed October 8, 1936. Serial No. 384,120. PUBLISHED JANUARY 19, 1937. Class 49.

344,568. INCINERATORS. DETROIT INCINERATOR COMPANY, Detroit, Mich.
Filed October 10, 1936. Serial No. 384,200. PUBLISHED JANUARY 19, 1937. Class 34.

344,569. PERFUMES, TOILET WATER, COLOGNE, POWDER, ROUGE. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed October 13, 1936. Serial No. 384,294. PUBLISHED JANUARY 12, 1937. Class 6.

344,570. MEDICINES FOR THE RELIEF OF ACNE, PIMPLES, AND SIMILAR SKIN DISORDERS. HARRY TOMBACK, doing business as Torg Laboratories, New York, N. Y.
Filed October 14, 1936. Serial No. 384,342. PUBLISHED JANUARY 12, 1937. Class 6.

344,571. MEDICINES FOR THE RELIEF OF ACNE, PIMPLES, AND MINOR SKIN DISORDERS. HARRY TOMBACK, doing business as Tomil Research Laboratories, New York, N. Y.
Filed October 14, 1936. Serial No. 384,343. PUBLISHED JANUARY 12, 1937. Class 6.

344,572. ALCOHOLIC WINE FLAVORING COMPOUNDS. FRIES & FRIES, INC., Cincinnati, Ohio.
Filed October 16, 1936. Serial No. 384,416. PUBLISHED JANUARY 19, 1937. Class 47.

344,573. PREPARATION FOR INTERNAL TREATMENT FOR PYELITIS, CYSTITIS, AND GONORRHEA. CHICAGO PHARMACAL CO., Chicago, Ill.
Filed October 19, 1936. Serial No. 384,509. PUBLISHED JANUARY 12, 1937. Class 6.

344,574. AGRICULTURAL IMPLEMENTS—NAMELY, CULTIVATORS, PLOWS, PLOW REPAIR PARTS, PLOW STOCKS, PLOW AND CULTIVATOR HANDLES, FERTILIZER DISTRIBUTORS, HARROWS, TREES, AND PLOW SHAPES. THE HARRIMAN MANUFACTURING COMPANY, Harriman, Tenn.
Filed October 19, 1936. Serial No. 384,533. PUBLISHED JANUARY 19, 1937. Class 23.

344,575. METAL PRICE CARD HOLDING STRIPS FOR SHELVING. THE HOPP PRESS, INC., New York, N. Y.
Filed October 20, 1936. Serial No. 384,589. PUBLISHED JANUARY 19, 1937. Class 13.

344,576. IDENTIFICATION MARKERS USED IN DRY CLEANING TRADE. PATEK & CO., San Francisco, Calif.
Filed October 20, 1936. Serial No. 384,597. PUBLISHED JANUARY 19, 1937. Class 50.

344,577. PLASTIC WOOD PRODUCTS—NAMELY, TO BE USED AS MALLEABLE WOOD. WEBWOOD CORPORATION, New York, N. Y.
Filed October 21, 1936. Serial No. 384,636. PUBLISHED JANUARY 19, 1937. Class 1.

344,578. COIN-CONTROLLED AMUSEMENT APPARATUS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed October 22, 1936. Serial No. 384,673. PUBLISHED JANUARY 19, 1937. Class 22.

344,579. MEDICINE COMPRISING A COMBINATION OF IRON AND AMMONIUM CITRATE, ALCOHOL, GLYCERINE, AND LIQUID MALT EXTRACT FOR USE AS A THERAPEUTIC AGENT IN THE TREATMENT OF ANEMIA AND AS A GENERAL TONIC. BORCHERDT MALT EXTRACT COMPANY, Chicago, Ill.
Filed October 23, 1936. Serial No. 384,699. PUBLISHED JANUARY 12, 1937. Class 6.

344,580. LEAD PENCILS, CRAYONS, PENCIL LEADS, LUMBER LEADS, PENCIL POINT PROTECTORS, PENCIL HOLDERS, ETC. EAGLE PENCIL COMPANY, New York, N. Y.
Filed October 23, 1936. Serial No. 384,703. PUBLISHED DECEMBER 29, 1936. Class 37.

344,581. EXTRACT FOR PRODUCING FOAM FOR THERAPEUTIC, HYGIENIC, AND BEAUTY PURPOSES. HELEN HECHMAN, New York, N. Y.
Filed October 23, 1936. Serial No. 384,706. PUBLISHED JANUARY 12, 1937. Class 6.

344,582. MICROSCOPES, OPTICAL, MICROSCOPIC, CAMERA AND PROJECTOR LENSES, PRISMS, AND REFRACTORS. SIMPSON OPTICAL MANUFACTURING CO., Chicago, Ill.
Filed October 24, 1936. Serial No. 384,764. PUBLISHED JANUARY 19, 1937. Class 26.

344,583. EYE GLASSES, SPECTACLE FORMS, MOUNTINGS, TEMPLES, AND OPTICAL FITTINGS. BELGARD-SPERO, INC., Chicago, Ill.
Filed October 26, 1936. Serial No. 384,781. PUBLISHED JANUARY 19, 1937. Class 26.

344,584. RADIO TRANSMITTERS AND RECEIVERS AND PARTS THEREFOR, COUPLED PRIME MOVER ELECTRIC GENERATOR UNITS, ELECTRIC MOTORS, RADIO ANTENNA REELS, ELECTRIC GENERATORS, AND THERMIONIC TUBES. HEINTZ & KAUFMAN, LTD., San Francisco, Calif.
Filed October 26, 1936. Serial No. 384,795. PUBLISHED JANUARY 19, 1937. Class 21.

344,585. STAIN REMOVING CREAM. MATHILDE G. KLING, doing business as Nic-Off Company, Chicago, Ill.
Filed October 26, 1936. Serial No. 384,799. PUBLISHED JANUARY 19, 1937. Class 6.

344,586. PERIODICAL. SLOCUM PUBLISHING COMPANY, Grosse Pointe Shores and Detroit, Mich.
Filed October 26, 1936. Serial No. 384,820. PUBLISHED JANUARY 12, 1937. Class 38.

344,587. MAGAZINES ISSUED MONTHLY. DAVID A. SMART, Chicago, Ill., assignor to Coronet, Inc., Chicago, Ill., a corporation of Delaware.
Filed October 26, 1936. Serial No. 384,821. PUBLISHED JANUARY 12, 1937. Class 38.

344,588. BRAKE LINING GRINDERS. STILES-BARRETT CORPORATION, St. Louis, Mo.
Filed October 26, 1936. Serial No. 384,822. PUBLISHED JANUARY 19, 1937. Class 23.

344,589. TRAILERS. YORK-HOOVER BODY CORPORATION, York, Pa.
Filed October 26, 1936. Serial No. 384,832. PUBLISHED JANUARY 19, 1937. Class 19.

344,590. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS. SCHIAPARELLI, SOCIETE ANONYME, Paris, France.
Filed October 29, 1936. Serial No. 384,834. PUBLISHED JANUARY 5, 1937. Class 6.

344,591. DYES AND DYESTUFFS. JOHN CAMPBELL & Co., New York, N. Y.
Filed October 28, 1936. Serial No. 384,879. PUBLISHED JANUARY 5, 1937. Class 6.

344,592. DYES AND DYESTUFFS. JOHN CAMPBELL & Co., New York, N. Y.
Filed October 28, 1936. Serial No. 384,881. PUBLISHED JANUARY 5, 1937. Class 6.

344,593. DYES AND DYESTUFFS. JOHN CAMPBELL & Co., New York, N. Y.
Filed October 28, 1936. Serial No. 384,880. PUBLISHED JANUARY 5, 1937. Class 6.

344,594. PREPARATION FOR TREATMENT OF ATHLETE'S FOOT. CARLIN PRODUCTS, INC., New York, N. Y.
Filed October 28, 1936. Serial No. 384,883. PUBLISHED JANUARY 5, 1937. Class 6.

344,595. MEN'S AND BOYS' OUTER SUITS AND OVERCOATS. ROGERS PEET COMPANY, New York, N. Y.
Filed October 28, 1936. Serial No. 384,906. PUBLISHED JANUARY 12, 1937. Class 39.

344,596. RESINOUS MATERIAL FOR GENERAL USE INCLUDING USE FOR WATERPROOFING PAPER, CABLE INSULATION, AND COMPOUNDING RUBBER. THE BARRETT COMPANY, New York, N. Y.
Filed October 29, 1936. Serial No. 384,918. PUBLISHED JANUARY 5, 1937. Class 6.

344,597. COLD CREAM. JOSEPH DONNER, doing business as Sweepstakes Pharmacal Company, Chicago, Ill.
Filed October 29, 1936. Serial No. 384,922. PUBLISHED JANUARY 5, 1937. Class 6.

344,598. MEDICINAL TABLETS FOR THE TREATMENT OF DEFICIENT FUNCTIONS OF THE LIVER AND GALL BLADDER. G. D. SEARLE & Co., Chicago, Ill.
Filed October 29, 1936. Serial No. 384,935. PUBLISHED JANUARY 5, 1937. Class 6.

344,599. GIN LIQUEUR. M. S. WALKER, INC., Boston, Mass.
Filed October 29, 1936. Serial No. 384,941. PUBLISHED JANUARY 19, 1937. Class 49.

344,600. NITRATE OF SODA. CHILEAN NITRATE SALES CORPORATION, New York, N. Y.
Filed October 30, 1936. Serial No. 384,957. PUBLISHED JANUARY 12, 1937. Class 6.

344,601. PETROLATUM, INSECT KILLER, FLY REPELLENT, TICK KILLER, SCREW WORM KILLER, LIVE STOCK SPRAY, AND LIGHTER FLUID. GULF OIL CORPORATION, Pittsburgh, Pa.
Filed October 30, 1936. Serial No. 384,963. PUBLISHED JANUARY 5, 1937. Class 6.

344,602. SPECIAL SONG LISTS AND INSTRUCTION SHEETS FOR USE AT NATIONAL MEETINGS PUBLISHED FROM TIME TO TIME. NATIONAL CONGRESS OF PARENTS AND TEACHERS, Washington, D. C.
Filed October 30, 1936. Serial No. 384,972. PUBLISHED JANUARY 12, 1937. Class 38.

344,603. PERIODICAL. SHIPPING NEWS, Portland, Oreg.
Filed October 30, 1936. Serial No. 384,977. PUBLISHED JANUARY 12, 1937. Class 38.

344,604. MOTOR LUBRICATING OILS AND GASOLINE. SUNSET OIL COMPANY, Los Angeles, Calif.
Filed October 30, 1936. Serial No. 384,981. PUBLISHED JANUARY 12, 1937. Class 15.

344,605. MOTOR LUBRICATING OILS. SUNSET OIL COMPANY, Los Angeles, Calif.
Filed October 30, 1936. Serial No. 384,982. PUBLISHED JANUARY 12, 1937. Class 15.

344,606. CHEMOTHERAPEUTIC AGENT FOR STREPTOCOCCIC AND STAPHYLOCOCCIC INFECTIONS. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed October 31, 1936. Serial No. 385,021. PUBLISHED JANUARY 5, 1937. Class 6.

344,607. THIOPHATED SHAMPOO. RILLING-ARNAO Co., Minneapolis, Minn.
Filed November 2, 1936. Serial No. 385,064. PUBLISHED JANUARY 5, 1937. Class 6.

344,608. TRAILER COACHES. SILVER DOME, INCORPORATED, Detroit, Mich.
Filed November 2, 1936. Serial No. 385,066. PUBLISHED JANUARY 19, 1937. Class 19.

344,609. PUBLICATION ON BIOCHEMISTRY PUBLISHED MONTHLY OR FROM TIME TO TIME. JANET C. WARFEL, doing business as the American Institute of Applied Biochemistry, Chicago, Ill.
Filed November 2, 1936. Serial No. 385,078. PUBLISHED JANUARY 12, 1937. Class 38.

344,610. MAPS. BERNARD J. S. CAHILL, Alameda, Calif.
Filed November 3, 1936. Serial No. 385,087. PUBLISHED JANUARY 19, 1937. Class 38.

344,611. LIQUID CONTAINERS AND DISPENSERS CONSISTING OF COMBINED DECANTER, DECANTER NECK DISPENSING PUMP, DECANTER BORNE TRAY AND GLASSES. PARK-SHERMAN CO., Chicago, Ill.
Filed November 4, 1936. Serial No. 385,149. PUBLISHED JANUARY 19, 1937. Class 13.

344,612. PERFUMES AND BATH OILS. PRINCE MATCHABELLI PERFUMERY, INC., New York, N. Y.
Filed November 4, 1936. Serial No. 385,153. PUBLISHED JANUARY 5, 1937. Class 6.

344,613. NEWSPAPER COLUMN WILLIAM M. SULT, Lakeland, Fla.
Filed November 4, 1936. Serial No. 385,159. PUBLISHED JANUARY 12, 1937. Class 38.

344,614. STARCH FOR MANUFACTURING PURPOSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed November 5, 1936. Serial No. 385,177. PUBLISHED JANUARY 5, 1937. Class 6.

344,615. GENERAL MEDICAL AND SURGICAL APPLIANCES—NAMELY, VAGINAL MEDICAL APPLICATORS, VAGINAL IRRIGATING DEVICES AND THEIR ACCESSORIES, DOUCHE PIPES, HOT WATER BOTTLES, FOUNTAIN SYRINGES, AND CONTAINERS FOR MEDICAL AND SURGICAL APPLIANCES. JOHN ANDREW KIRK, Detroit, Mich.
Filed November 5, 1936. Serial No. 385,186. PUBLISHED JANUARY 19, 1937. Class 44.

344,616. REFRACTORY CEMENT. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill.
Filed November 5, 1936. Serial No. 385,199. PUBLISHED JANUARY 12, 1937. Class 12.

344,617. LUBRICATING OILS AND GREASES. VALVOLINE OIL COMPANY, doing business as Penn Action Oil Company, Cincinnati, Ohio, New York, N. Y., and Warren, Pa.
Filed November 5, 1936. Serial No. 385,205. PUBLISHED JANUARY 19, 1937. Class 15.

344,618. PREPARATION FOR THE TREATMENT OF PSORIASIS. LEO GINSBURG, doing business as Dralle Skin and Scalp Clinic, Chicago, Ill.
Filed November 6, 1936. Serial No. 385,226. PUBLISHED JANUARY 5, 1937. Class 6.

344,619. OIL, HIGH IN VITAMIN D, FOR USE IN POULTRY AND STOCK FOODS. INDUSTRIAL OIL PRODUCTS CORP., Los Angeles, Calif.
Filed November 6, 1936. Serial No. 385,227. PUBLISHED JANUARY 5, 1937. Class 6.

344,620. SPECTACLES AND SPECTACLE FRAMES. LUGENE, INC., New York, N. Y.
Filed November 6, 1936. Serial No. 385,229. PUBLISHED JANUARY 19, 1937. Class 26.

344,621. CHEMICAL PRODUCTS IN CREAM, POWDER, AND LIQUID FORM HAVING DEODORANT AND COOLING PROPERTIES. ARKIOS, INC., New York, N. Y.
Filed November 7, 1936. Serial No. 385,244. PUBLISHED JANUARY 5, 1937. Class 6.

344,622. PYROPHORIC LIGHTERS. ALFRED DUNHILL LIMITED, London, England.
Filed November 7, 1936. Serial No. 385,252. PUBLISHED JANUARY 19, 1937. Class 34.

344,623. PYROPHORIC LIGHTERS. ALFRED DUNHILL LIMITED, London, England.
Filed November 7, 1936. Serial No. 385,253. PUBLISHED JANUARY 19, 1937. Class 34.

344,624. ARTIFICIAL SILK THREAD AND YARN. EASTMAN KODAK COMPANY, doing business as The Tennessee Eastman Corporation, Rochester, N. Y., and Kingsport, Tenn.
Filed November 7, 1936. Serial No. 385,256. PUBLISHED JANUARY 19, 1937. Class 43.

344,625. CLEANED OR PARTLY CLEANED OR PROCESSED OR PARTLY PROCESSED, FLEECED OR PULLED WOOLS. FROSTED WOOL PROCESS COMPANY, Los Angeles, Calif.
Filed November 9, 1936. Serial No. 385,288. PUBLISHED JANUARY 19, 1937. Class 1.

344,626. TOBACCO SMOKING IMPLEMENTS—NAMELY, TOBACCO SMOKING PIPES, CIGAR HOLDERS, CIGARETTE HOLDERS, FILTER CARTRIDGES FOR TOBACCO SMOKING PIPES, ETC. ALBERT JACOBSON, New York, N. Y.
Filed November 9, 1936. Serial No. 385,292. PUBLISHED JANUARY 19, 1937. Class 8.

344,627. HAIR COLOR RESTORER AND TONIC. PAUL T. SCHWEYER, Los Angeles, Calif.
Filed November 9, 1936. Serial No. 385,307. PUBLISHED JANUARY 12, 1937. Class 6.

344,628. MOUTHPIECES FOR MUSICAL INSTRUMENTS. AL ZIFFERBLATT, doing business as The Trump Company, New York, N. Y.
Filed November 6, 1936. Serial No. 385,325. PUBLISHED JANUARY 19, 1937. Class 36.

344,629. BEER. THE MARATHON CITY BREWING COMPANY, Marathon, Wis.
Filed November 9, 1936. Serial No. 385,327. PUBLISHED JANUARY 19, 1937. Class 48.

344,630. BICYCLES. THE MURRAY-OHIO MANUFACTURING CO., Cleveland, Ohio.
Filed November 12, 1936. Serial No. 385,381. PUBLISHED JANUARY 19, 1937. Class 19.

344,631. OVERALLS, DENIM JACKETS, AND ONE PIECE SUITS. GLOBE SUPERIOR CORPORATION, Abingdon, Ill.
Filed November 11, 1936. Serial No. 385,398. PUBLISHED JANUARY 12, 1937. Class 39.

344,632. SHOE STRETCHERS. SCHELTER LAST CO. INC., Rochester, N. Y.
Filed November 11, 1936. Serial No. 385,426. PUBLISHED JANUARY 19, 1937. Class 50.

344,633. PHARMACEUTICAL PREPARATION FOR THE TREATMENT OF PILES. CONSTANTINE BARBATSALOS, doing business as Soth-Pia Medicinal Preparations, New York, N. Y.
Filed November 11, 1936. Serial No. 385,430. PUBLISHED JANUARY 12, 1937. Class 6.

344,634. MONTHLY PUBLICATIONS COVERING THE ACTIVITIES OF MOTION PICTURE CELEBRITIES AND THE CRITICS' NOTES ON THE LATEST MOTION PICTURE FILMS. MURRY M. MILLER, doing business as Movie-Goer Publishing Co., New York, N. Y.
Filed November 12, 1936. Serial No. 385,445. PUBLISHED JANUARY 19, 1937. Class 38.

344,635. COFFEE. SPRAGUE WARNER & COMPANY, Chicago, Ill.
Filed November 12, 1936. Serial No. 385,453. PUBLISHED JANUARY 19, 1937. Class 46.

344,636. CANNED VEGETABLES. THE ESMERALDA CANNING CO., Circleville, Ohio.
Filed November 16, 1936. Serial No. 385,570. PUBLISHED JANUARY 19, 1937. Class 46.

344,637. LIQUEURS AND CORDIALS. GREEN MOUNTAIN DISTILLERY, INC., Burlington, Vt.
Filed November 17, 1936. Serial No. 385,628. PUBLISHED JANUARY 19, 1937. Class 49.

344,638. LIQUEURS AND CORDIALS. GREEN MOUNTAIN DISTILLERY, INC., Burlington, Vt.
Filed November 17, 1936. Serial No. 385,629. PUBLISHED JANUARY 19, 1937. Class 49.

344,639. PERIODICAL AT PRESENT ISSUED MONTHLY. THE JOURNEYMEN BARBERS' INTERNATIONAL UNION OF AMERICA, Indianapolis, Ind.
Filed November 17, 1936. Serial No. 385,632. PUBLISHED JANUARY 19, 1937. Class 38.

344,640. THREAD AND YARN. PATONS & BALDWINS, INC., Newark, N. J.
Filed November 17, 1936. Serial No. 385,639. PUBLISHED JANUARY 19, 1937. Class 43.

344,641. THREAD AND YARN. PATONS & BALDWINS, INC., Newark, N. J.
Filed November 17, 1936. Serial No. 385,640. PUBLISHED JANUARY 19, 1937. Class 43.

344,642. THREAD AND YARN. PATONS & BALDWINS, INC., Newark, N. J.
Filed November 17, 1936. Serial No. 385,641. PUBLISHED JANUARY 19, 1937. Class 43.

344,643. THREAD AND YARN. PATONS & BALDWINS, INC., Newark, N. J.
Filed November 17, 1936. Serial No. 385,642. PUBLISHED JANUARY 19, 1937. Class 43.

344,644. THREAD AND YARN. PATONS & BALDWINS, INC., Newark, N. J.
Filed November 17, 1936. Serial No. 385,643. PUBLISHED JANUARY 19, 1937. Class 43.

344,645. YARNS OF COTTON, WOOL, WORSTED, RAYON, ANGORA, CASHMERE, AND MIXTURES THEREOF. GLENN E. OSBORNE, doing business as Mayfair Yarncraft, New York, N. Y.
Filed November 18, 1936. Serial No. 385,675. PUBLISHED JANUARY 12, 1937. Class 43.

344,646. GASOLINE, CYLINDER OIL, AXLE GREASE, ILLUMINATING OIL, LUBRICATING OIL, MACHINE OIL, AND REFINED PETROLEUM. BRAUN BROS. OIL CO., Winnetka, Ill.
Filed November 18, 1936. Serial No. 385,682. PUBLISHED JANUARY 19, 1937. Class 15.

344,647. HAIR TONIC. DOUGLASS & CEFARATTI, Darby, Pa.
Filed November 18, 1936. Serial No. 385,688. PUBLISHED JANUARY 19, 1937. Class 6.

344,648. SHEETS, PILLOW CASES, TOWELS, AND BLANKETS. J. B. IVEY & COMPANY, Charlotte, N. C.
Filed November 18, 1936. Serial No. 385,690. PUBLISHED JANUARY 19, 1937. Class 42.

344,649. YARNS OF COTTON, WOOL, WORSTED, RAYON, ANGORA, CASHMERE, AND MIXTURES THEREOF. GLENN E. OSBORNE, doing business as Mayfair Yarncraft, New York, N. Y.
Filed November 18, 1936. Serial No. 385,695. PUBLISHED JANUARY 12, 1937. Class 43.

344,650. COTTON AND RAYON PIECE GOODS SUITABLE FOR SHIRTS, PYJAMAS, NIGHTGOWNS, AND UNDERWEAR. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed November 19, 1936. Serial No. 385,717. PUBLISHED JANUARY 19, 1937. Class 42.

344,651. DRESSING FOR SLIGHT WOUNDS AND CUTS, DEODORANT, MOUTH WASH, AND GARGLE. DAVIS & LAWRENCE CO., New York, N. Y.
Filed November 19, 1936. Serial No. 385,727. PUBLISHED JANUARY 19, 1937. Class 6.

344,652. COTTON PIECE GOODS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed November 19, 1936. Serial No. 385,747. PUBLISHED JANUARY 19, 1937. Class 42.

344,653. WOMEN'S HOSIERY. ARTCRAFT SILK HOSIERY MILLS, INC., Philadelphia, Pa.
Filed November 20, 1936. Serial No. 385,771. PUBLISHED JANUARY 12, 1937. Class 39.

344,654. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed November 20, 1936. Serial No. 385,777. PUBLISHED JANUARY 19, 1937. Class 42.

344,655. CIGARS AND CIGARETTES. LA YEBANA COMPANY, INC., Sampaloc, Manila, P. I.
Filed November 20, 1936. Serial No. 385,794. PUBLISHED JANUARY 19, 1937. Class 17.

344,656. CIGARS AND CIGARETTES. LA YEBANA COMPANY, INC., Sampaloc, Manila, P. I.
Filed November 20, 1936. Serial No. 385,795. PUBLISHED JANUARY 19, 1937. Class 17.

344,657. GOLD, SILVER, AND PLATINUM WATCHES. SAVOY WATCH CO. INC., New York, N. Y.
Filed November 20, 1936. Serial No. 385,806. PUBLISHED JANUARY 19, 1937. Class 27.

344,658. MEN'S AND BOYS' UNDERWEAR. SCHINDLER & COMPANY, New York, N. Y.
Filed November 20, 1936. Serial No. 385,808. PUBLISHED JANUARY 12, 1937. Class 39.

344,659. LAUNDRY SOUR WITH ANTISEPTIC AND GERMICIDAL QUALITIES. STERLING PRODUCTS COMPANY, Easton, Pa.
Filed November 20, 1936. Serial No. 385,813. PUBLISHED JANUARY 19, 1937. Class 6.

344,660. TOILET (TISSUE) PAPER. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed November 23, 1936. Serial No. 385,821. PUBLISHED JANUARY 19, 1937. Class 37.

344,661. TOILET (TISSUE) PAPER. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed November 23, 1936. Serial No. 385,823. PUBLISHED JANUARY 19, 1937. Class 37.

344,662. TOILET (TISSUE) PAPER. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed November 23, 1936. Serial No. 385,824. PUBLISHED JANUARY 19, 1937. Class 37.

344,663. CRUDE RUBBER. H. MUEHLSTEIN & CO. INC., New York, N. Y.
Filed November 21, 1936. Serial No. 385,855. PUBLISHED JANUARY 19, 1937. Class 1.

344,664. GASOLINE HEATER ATTACHMENT FOR CARBURETORS, COMMONLY KNOWN AS "DISTILLATE POWER UTILIZER." WEBSTER MANUFACTURING CO., Colfax, La.
Filed November 23, 1936. Serial No. 385,917. PUBLISHED JANUARY 19, 1937. Class 23.

344,665. PUNCHING MACHINES AS OFFICE APPLIANCES FOR PERFORATING SHEETS. WILSON-JONES COMPANY, Chicago, Ill.
Filed November 23, 1936. Serial No. 385,919. PUBLISHED JANUARY 19, 1937. Class 37.

344,666. POPCORN COATED WITH CHEESE FLAVORING. THE BORDEN COMPANY, New York, N. Y.
Filed November 24, 1936. Serial No. 385,923. PUBLISHED JANUARY 19, 1937. Class 46.

344,667. RUM. NEW ENGLAND DISTILLERS, INCORPORATED, Clinton, Mass.
Filed November 24, 1936. Serial No. 385,935. PUBLISHED JANUARY 19, 1937. Class 49.

344,668. SINGLE AND/OR DOUBLE EDGE SAFETY RAZOR BLADES. HENRY F. SAMSTAG, New York, N. Y.
Filed November 24, 1936. Serial No. 385,943. PUBLISHED JANUARY 19, 1937. Class 23.

344,669. PYROPHYLLITE. CAROLINA PYROPHYLLITE COMPANY, New York, N. Y.
Filed November 25, 1936. Serial No. 385,969. PUBLISHED JANUARY 19, 1937. Class 1.

344,670. STATIONERY CONSISTING OF WRITING PAPER IN THE FORM OF POUND GOODS AS WELL AS REAM GOODS, ENVELOPES, AND PAPETERIES. EATON PAPER CORPORATION, Pittsfield, Mass.
Filed November 25, 1936. Serial No. 385,977. PUBLISHED JANUARY 19, 1937. Class 37.

344,671. STATIONERY CONSISTING OF WRITING PAPER IN THE FORM OF POUND GOODS AS WELL AS REAM GOODS, ENVELOPES, AND PAPETERIES. EATON PAPER CORPORATION, Pittsfield, Mass.
Filed November 25, 1936. Serial No. 385,978. PUBLISHED JANUARY 19, 1937. Class 37.

344,672. ABSORBENT FACE CLEANSING SHEETS MADE OF PAPER. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed November 25, 1936. Serial No. 385,982. PUBLISHED JANUARY 19, 1937. Class 37.

344,673. ABSORBENT FACE CLEANSING SHEETS MADE OF PAPER. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed November 25, 1936. Serial No. 385,983. PUBLISHED JANUARY 19, 1937. Class 37.

344,674. WOMEN'S HANDBAGS. HARRY ROSENFELD, INC., New York, N. Y.
Filed November 25, 1936. Serial No. 385,992. PUBLISHED JANUARY 19, 1937. Class 3.

344,675. OVERFLOOR RACEWAY FOR TELEPHONE AND BUZZER WIRES AND FOR ELECTRIC POWER AND LIGHT WIRES. THE WIREMOLD COMPANY, West Hartford, Conn.
Filed November 25, 1936. Serial No. 386,003. PUBLISHED JANUARY 19, 1937. Class 21.

344,676. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed November 27, 1936. Serial No. 386,011. PUBLISHED JANUARY 19, 1937. Class 27.

344,677. CLEANSING TISSUES. W. T. GRANT COMPANY, New York, N. Y.
Filed November 27, 1936. Serial No. 386,027. PUBLISHED JANUARY 19, 1937. Class 37.

344,678. ELECTRICAL CAPACITORS, REACTORS, OR COMBINATIONS OF CAPACITORS AND REACTORS. CONTINENTAL CARBON INC., Cleveland, Ohio.
Filed November 30, 1936. Serial No. 386,099. PUBLISHED JANUARY 19, 1937. Class 21.

344,679. BINDERS FOR PAMPHLETS AND THE LIKE, AND MORE ESPECIALLY BINDERS COMPOSED OF RELATIVELY STIFF FRONT AND BACK PARTS HINGEDLY CONNECTED TOGETHER AT ONE EDGE AND PROVIDED WITH MEANS FOR ATTACHING THE SAME TO PAMPHLETS OR SHEAVES OF PAPER AND THE LIKE. GAYLORD BROS., INC., Syracuse, N. Y.
Filed November 30, 1936. Serial No. 386,106. PUBLISHED JANUARY 19, 1937. Class 37.

344,680. ABSORBENT FACE CLEANSING SHEETS MADE OF PAPER. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed November 30, 1936. Serial No. 386,109. PUBLISHED JANUARY 19, 1937. Class 37.

344,681. ABSORBENT FACE CLEANSING SHEETS MADE OF PAPER. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed November 30, 1936. Serial No. 386,110. PUBLISHED JANUARY 19, 1937. Class 37.

344,682. ABSORBENT FACE CLEANSING SHEETS MADE OF PAPER. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed November 30, 1936. Serial No. 386,111. PUBLISHED JANUARY 19, 1937. Class 37.

344,683. ABSORBENT FACE CLEANSING SHEETS MADE OF PAPER. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed November 30, 1936. Serial No. 386,112. PUBLISHED JANUARY 19, 1937. Class 37.

344,684. MOPS FOR BOWLING ALLEYS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,344. PUBLISHED JANUARY 19, 1937. Class 29.

344,685. BILLIARD CUES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,345. PUBLISHED JANUARY 19, 1937. Class 22.

344,686. BOWLING ALLEY PIT MATS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,346. PUBLISHED JANUARY 19, 1937. Class 22.

344,687. BAGS FOR BOWLING BALLS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,355. PUBLISHED JANUARY 19, 1937. Class 2.

344,688. BILLIARD TABLES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,358. PUBLISHED JANUARY 19, 1937. Class 22.

344,689. COIN-CONTROLLED AMUSEMENT APPARATUS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed December 7, 1936. Serial No. 386,446. PUBLISHED JANUARY 19, 1937. Class 22.

344,690. COIN-CONTROLLED AMUSEMENT APPARATUS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed December 7, 1936. Serial No. 386,447. PUBLISHED JANUARY 19, 1937. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

344,691. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STANDARD CONTAINER, INC., Bloomfield, N. J. Filed Dec. 17, 1936. Serial No. 386,875.

SPRA-WELL

For Hand Operated Sprayers for Insecticides and Other Liquids.
Claims use since Jan. 2, 1928.

344,692. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CUNO ENGINEERING CORPORATION, Meriden, Conn. Filed Aug. 22, 1936. Serial No. 382,465.

FLO-KLEAN

For Mechanical Fluid Straining and Filtering Apparatus and Parts Thereof for Cleaning Oil, Gasoline, and Water Supply for Internal Combustion Engines and the Oil Supply for Fuel Burners and Other Purposes.
Claims use since Jan. 16, 1936.

344,693. (CLASS 39. CLOTHING.) HARRY FEILER COMPANY, Louisville, Ky. Filed June 26, 1936. Serial No. 380,270.



For Neckties.
Claims use since November, 1935.

344,694. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed June 8, 1936. Serial No. 379,440.

EDINA

For Wheat Flour.
Claims use since Jan. 22, 1936.

344,695. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE GLIDDEN COMPANY, Cleveland, Ohio. Filed June 1, 1936. Serial No. 379,088.



For Varnish Stains.
Claims use since Oct. 12, 1933.

344,696. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) AMERICAN TYPESETTING CORPORATION, Chicago, Ill. Filed May 28, 1936. Serial No. 378,969.

Set in pencil
-THEN IN TYPE

For Made-up Type Forms and Electrotypes.
Claims use since Dec. 3, 1935.

344,697. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLETA LEMON ASSOCIATION, Goleta, Calif. Filed May 8, 1936. Serial No. 378,200.

GOLETA

For Fresh Citrus Fruits.
Claims use since Feb. 19, 1936.

344,698. (CLASS 27. HOROLOGICAL INSTRUMENTS.) WESTERN CLOCK COMPANY, Peru, Ill. Filed Apr. 30, 1936. Serial No. 377,867.

Greenwich

For Clocks and Watches.
Claims use since Nov. 1, 1935.

344,699. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KROGMAN DISTILLING CO., INC., Tell City, Ind. Filed Apr. 27, 1936. Serial No. 377,691.

Old Perry

For Whiskey.
Claims use since Jan. 20, 1936.

344,700. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HIRAM WALKER & SONS, INC., Peoria, Ill. Filed Mar. 13, 1936. Serial No. 375,966.

Judge Peek

For Whiskey.
Claims use since Feb. 24, 1936.

344,701. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LOCKE INSULATOR CORPORATION, Baltimore, Md. Filed Jan. 15, 1936. Serial No. 373,695.

HI-TOP

For High Tension Insulators.
Claims use since May 10, 1933.

344,702. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) PROVINCIAL DISTILLERIES LTD., INC., Brooklyn, N. Y. Filed Dec. 19, 1935. Serial No. 372,857.

Louisville Club

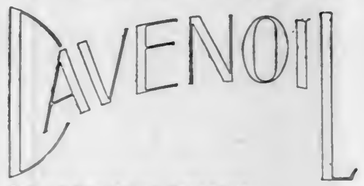
For Whiskey.
Claims use since Dec. 6, 1935.

344,703. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) EARL W. BROWNING, Brooklyn, N. Y., assignor to Quiet Heet Oil Burner Company Inc., Brooklyn, N. Y. Filed Oct. 26, 1935. Serial No. 370,824.

QUIET HEET

For Oil Burners.
Claims use since Jan. 1, 1935.

344,704. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROGUE RIVER VALLEY CANNING CO., Medford, Oreg. Filed Sept. 27, 1935. Serial No. 369,778.



For Canned Fruits and Vegetables.
Claims use since September, 1933.

344,705. (CLASS 15. OILS AND GREASES.) LEWIS NEWMAN, doing business as Daven Oil Company, Newark, N. J. Filed Apr. 25, 1935. Serial No. 364,190.

Medford

For Lubricating Oils and More Particularly Lubricating Oils for Delicate Instruments.
Claims use since Nov. 15, 1933.

344,706. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio. Filed Mar. 18, 1933. Serial No. 335,809.

COG BELT

For V-type Belts Having Side Driving Surfaces.
Claims use since Aug. 1, 1922.

344,707. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y. Filed Jan. 21, 1937. Serial No. 387,969.

MIXRITE

For Gelatin.
Claims use since July 7, 1931.

344,708. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y. Filed Jan. 21, 1937. Serial No. 387,968.

EASYMIX

For Gelatin.
Claims use since July 7, 1931.

344,709. (CLASS 32. FURNITURE AND UPHOLSTERY.) SPIERS BEDDING CORPORATION, Philadelphia, Pa. Filed Jan. 11, 1937. Serial No. 387,690.

the Swing Up

For Studio Couches.
Claims use since January, 1936.

344,710. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HUGH H. EBY, INC., Philadelphia, Pa. Filed Dec. 21, 1936. Serial No. 386,988.

EBY

For Radio Instrument Products and Parts—Namely, Binding Posts, Moulded Sockets, Low Loss Sockets, Cable Connectors, Tip Jacks, Moulded Plugs, Rubber Plugs, Female Plugs, Multi Switches, Wave Band Switches, Adaptors, Rubber Capped Male and Female Plugs, Speaker Plugs, Terminal Strips, Moulded Plug Cable Connectors, Twin and Triple Binding Posts, Non-Removable Head Binding Posts, Single, Twin, and Triple Tip Jacks and Posts, Knobs and Terminal Nuts, Instrument Dials, Photo-Electric Cells, Light Sensitive Photo-Electronic Units, and Cathode Ray Tube Sockets.
Claims use since December, 1923.

TRADE-MARK REGISTRATIONS RENEWED

14,051. CONDENSED MILK. Registered February 8, 1887. N. Y. CONDENSED MILK CO. Renewed February 8, 1937, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

110,913. CERTAIN NAMED MEDICAL AND SURGICAL SUPPLIES. Registered June 20, 1916. COLUMBIA SCHOOL SUPPLY CO. Renewed June 20, 1936, to Columbia School Furniture Corporation, Indianapolis, Ind., a corporation of Indiana, successor.

112,486. RADIO TELEGRAPH AND TELEPHONE APPARATUS. Registered September 12, 1916. DE FOREST RADIO TELEPHONE AND TELEGRAPH COMPANY, New York, N. Y. Renewed September 12, 1936, to RCA Manufacturing Company, Inc., Camden, N. J., a corporation of Delaware, assignee by mesne assignments.

112,765. RADIO TELEGRAPH AND TELEPHONE APPARATUS. Registered September 26, 1916. DE FOREST RADIO TELEPHONE AND TELEGRAPH COMPANY, New York, N. Y. Renewed September 26, 1936, to RCA Manufacturing Company, Inc., Camden, N. J., a corporation of Delaware, assignee by mesne assignments.

112,766. RADIO TELEGRAPH AND TELEPHONE APPARATUS. Registered September 26, 1916. DE FOREST RADIO TELEPHONE AND TELEGRAPH COMPANY, New York, N. Y. Renewed September 26, 1936, to RCA Manufacturing Company, Inc., Camden, N. J., a corporation of Delaware, assignee by mesne assignments.

114,955. CIGARS. Registered January 16, 1917. OTTO EISENLOHR & BROS. INCORPORATED, Philadelphia, Pa. Renewed January 16, 1937, to Webster Eisenlohr, Inc., New York, N. Y., a corporation of Pennsylvania, by change of name.

115,325. VARNISH. Registered February 6, 1917. FLOOR-SHINE MANUFACTURING COMPANY. Renewed February 6, 1937, to Marie B. Scott, St. Louis, Mo., assignee by mesne assignments.

115,399. CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. Registered February 6, 1917. RUST-PARKER COMPANY, Duluth, Minn., a corporation of Maine. Renewed February 6, 1937.

115,404. CERTAIN NAMED GAMES, TOYS, AND SPORTING GOODS. Registered February 6, 1917. SLAZENGERS, LIMITED, London, England, a limited company of Great Britain. Renewed February 6, 1937.

115,422. CHILDREN'S VEHICLES. Registered February 6, 1917. H. C. WHITE Co. Renewed February 6, 1937, to Harrie C. White, North Bennington, Vt., assignee.

115,433. HAIR-OIL. Registered February 13, 1917. WILLIAM BESS, Memphis, Tenn. Renewed February 13, 1937.

115,514. MONTHLY PERIODICALS. Registered February 20, 1917. THE HOLT MANUFACTURING COMPANY, Stockton, Calif. Renewed February 20, 1937, to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California, assignee.

115,656. DRY AND READY-MIXED PAINTS, DRIERS, ENAMELS, STAINS, WALL-PAINTS, LACS, FILLERS, AND VARNISHES. Registered February 27, 1917. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed February 27, 1937.

115,680. MACHINES FOR GRINDING AND PULVERIZING LIMESTONES, OYSTER-SHELLS, AND CLAY FOR MANUFACTURING PORTLAND CEMENT. Registered February 27, 1917. F. L. SMIDTH & Co., New York, N. Y., a corporation of New Jersey. Renewed February 27, 1937.

115,846. GLASS. Registered March 13, 1917. CORNING GLASS WORKS. Renewed March 13, 1937, to Corning Glass Works, Corning, N. Y., a corporation of New York, assignee by mesne assignments.

116,042. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS. Registered April 3, 1917. DAVIS & GECK, INC. Renewed April 3, 1937, to Davis & Geck, Inc., Brooklyn, N. Y., a corporation of New York, assignee.

116,222. ELECTRIC-LIGHTING FIXTURES AND CERTAIN NAMED PARTS FOR SAME. Registered April 17, 1917. BENJAMIN F. KLEIN. Renewed April 17, 1937, to The Kayline Company, Cleveland, Ohio, a corporation of Ohio, assignee.

116,328. WHEAT-FLOUR. Registered April 24, 1917. THE LARABEE FLOUR MILLS CORPORATION, Hutchinson, Kans. Renewed April 24, 1937, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

116,350. STOCK-DIP, INSECTICIDES, GERMICIDES, AND DISINFECTANTS. Registered April 24, 1917. NATIONAL PAPER PRODUCTS COMPANY. Renewed April 24, 1937, to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada, assignee.

116,388. TOILET-PAPER AND PAPER TOWELS. Registered May 1, 1917. ALBANY PERFORATED WRAPPING PAPER COMPANY. Renewed May 1, 1937, to A. P. W. Paper Company, Inc., Albany, N. Y., a corporation of New York, by change of name.

116,389. TOILET-PAPER AND PAPER TOWELS. Registered May 1, 1917. ALBANY PERFORATED WRAPPING PAPER COMPANY. Renewed May 1, 1937, to A. P. W. Paper Company, Inc., Albany, N. Y., a corporation of New York, by change of name.

116,392. ROAD-MAKING MACHINES. Registered May 1, 1917. AMERICAN ROAD MACHINERY COMPANY INC. Renewed May 1, 1937, to Good Roads Machinery Corporation, Kennett Square, Pa., a corporation of Pennsylvania, assignee.

116,451. DRY AND READY-MIXED PAINTS, DRIERS, ENAMELS, STAINS, WALL-PAINTS, LACS, FILLERS, AND VARNISHES. Registered May 1, 1917. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed May 1, 1937.

116,483. CORSETS. Registered May 1, 1917. THE WARNER BROTHERS COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed May 1, 1937.

116,509. WORK-SHIRTS. Registered May 8, 1917. AUGUST P. EIGENMANN, Evansville, Ind. Renewed May 8, 1937, to August P. Eigenmann, Rockport, Ind.

116,572. TOILET-PAPER AND PAPER TOWELS. Registered May 15, 1917. ALBANY PERFORATED WRAPPING PAPER COMPANY. Renewed May 15, 1937, to A. P. W. Paper Company, Inc., Albany, N. Y., a corporation of New York, by change of name.

116,573. TOILET-PAPER AND PAPER TOWELS. Registered May 15, 1917. ALBANY PERFORATED WRAPPING PAPER COMPANY. Renewed May 15, 1937, to A. P. W. Paper Company, Inc., Albany, N. Y., a corporation of New York, by change of name.

116,654. WHEAT-FLOUR. Registered May 15, 1917. THE LARABEE FLOUR MILLS CORPORATION, Hutchinson, Kans. Renewed May 15, 1937, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

116,741. TOILET-PAPER AND PAPER TOWELS. Registered May 22, 1917. ALBANY PERFORATED WRAPPING PAPER COMPANY. Renewed May 22, 1937, to A. P. W. Paper Company, Inc., Albany, N. Y., a corporation of New York, by change of name.

116,742. TOILET-PAPER AND PAPER TOWELS. Registered May 22, 1917. ALBANY PERFORATED WRAPPING PAPER COMPANY. Renewed May 22, 1937, to A. P. W. Paper Company, Inc., Albany, N. Y., a corporation of New York, by change of name.

116,782. FLOOR DRESSINGS AND POLISHES. Registered May 22, 1917. NATIONAL PAPER PRODUCTS COMPANY. Renewed May 22, 1937, to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada, assignee.

116,788. TOOTH-PASTE AND BEAUTY-POWDER—VIZ., FACE AND TOILET POWDER. Registered May 22, 1917. THE POMPEIAN MFG. CO., Cleveland, Ohio. Renewed May 22, 1937, to The Pompeian Company, Bloomfield, N. J., a corporation of New Jersey, assignee.

117,007. BOOTS AND SHOES MADE OF LEATHER AND CANVAS. Registered June 5, 1917. VELVET GRIP SHOE CO. INC. Renewed June 5, 1937, to Samuel Alexander, New York, N. Y., successor.

117,010. CORSETS. Registered June 5, 1917. THE WARNER BROTHERS COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed June 5, 1937.

117,238. TOILET-PAPER. Registered June 26, 1917. ALBANY PERFORATED WRAPPING PAPER COMPANY. Renewed June 26, 1937, to A. P. W. Paper Company, Inc., Albany, N. Y., a corporation of New York, by change of name.

117,260. HOSIERY. Registered June 26, 1917. MAY HOSIERY MILLS. Renewed June 26, 1937, to May Hosiery Mills, Inc., Burlington, N. C., a corporation of North Carolina, assignee.

117,278. TOILET-PAPER. Registered July 3, 1917. ALBANY PERFORATED WRAPPING PAPER COMPANY. Renewed July 3, 1937, to A. P. W. Paper Company, Inc., Albany, N. Y., a corporation of New York, by change of name.

117,398. TOILET-PAPER AND PAPER TOWELS. Registered July 3, 1917. ALBANY PERFORATED WRAPPING PAPER COMPANY. Renewed July 3, 1937, to A. P. W. Paper Company, Inc., Albany, N. Y., a corporation of New York, by change of name.

117,588. OIL-PAINT FOR INTERIOR USE. Registered July 17, 1917. PATTON PAINT COMPANY, Milwaukee, Wis. Renewed July 17, 1937, to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania, assignee.

117,604. CANNED BLUEBERRIES. Registered July 17, 1917. PLEASANT RIVER CANNING CO., Columbia Falls, Maine, a corporation of Maine. Renewed July 17, 1937.

117,625. GOLF-BALLS. Registered July 17, 1917. THE WORTHINGTON BALL COMPANY, Elyria, Ohio, a corporation of Ohio. Renewed July 17, 1937.

117,627. TOILET-PAPER. Registered July 24, 1917. ALBANY PERFORATED WRAPPING PAPER COMPANY. Renewed July 24, 1937, to A. P. W. Paper Company, Inc., Albany, N. Y., a corporation of New York, by change of name.

117,657. A MEDICINAL PREPARATION USED FOR INOCULATING SWINE AS A PREVENTIVE AGAINST CHOLERA. Registered July 24, 1917. FOWLER PACKING CO., Portland, Maine, and Kansas City, Kans. Renewed July 24, 1937, to Armour and Company, Chicago, Ill., a corporation of Illinois, assignee.

117,765. MEN'S COATS AND TROUSERS. Registered July 31, 1917. KLING BROS. & Co., Chicago, Ill. Renewed July 31, 1937, to J. Schoeneman, Inc., Baltimore, Md., a corporation of Maryland, assignee.

117,780. ORANGES, LEMONS, GRAPE-FRUIT, TANGERINES. Registered July 31, 1917. RANDOLPH MARKETING CO. INC., Los Angeles, Calif., a corporation of California. Renewed July 31, 1937.

117,804. TOILET-PAPER AND PAPER TOWELS. Registered August 7, 1917. ALBANY PERFORATED WRAPPING PAPER COMPANY. Renewed August 7, 1937, to A. P. W. Paper Company, Inc., Albany, N. Y., a corporation of New York, by change of name.

117,849. BOND-PAPER, BANK-NOTE PAPER, DOCUMENT-PAPER, WRITING-PAPER, PRINTING-PAPER, AND ENVELOPES. Registered August 7, 1917. FOX RIVER PAPER COMPANY, Appleton, Wis., a corporation of Wisconsin. Renewed August 7, 1937.

117,851. CERTAIN NAMED FURNITURE. Registered August 7, 1917. BERNARD GLOEKLER COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed August 7, 1937.

117,881. LIVE ANIMALS, BIRDS, AND REPTILES NOT INTENDED FOR FOOD. Registered August 7, 1917. W. A. KING, Brownsville, Tex. Renewed August 7, 1937.

117,903. OUTER GARMENTS COMPRISING MEN'S SUITS AND OVERCOATS. Registered August 7, 1917. THE A. NASH COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed August 7, 1937.

117,909. MATTRESSES, PILLOWS, BOLSTERS, CUSHIONS, AND BEDSTEADS. Registered August 9, 1917. OSTERMOOR & Co. Renewed August 7, 1937, to Ostermoor & Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

117,916. CITRUS FRUITS. Registered August 7, 1917. PHILIP PHILLIPS. Renewed August 7, 1937, to Dr. P. Phillips Company, Inc., Orlando, Fla., a corporation of Florida, assignee.

117,939. MIXED ANIMAL FEEDS. Registered August 7, 1917. SPARTAN GRAIN & MILL CO. Renewed August 7, 1937, to C. B. Fretwell, doing business as Spartan Grain & Mill Co., Spartanburg, S. C., assignee.

117,940. WHEAT-FLOUR. Registered August 7, 1917. LORENZ G. SPINDLER, New York, N. Y. Renewed August 7, 1937.

LABELS

REGISTERED MARCH 30, 1937

49,143.—*Title:* BISQUICK WITH WHOLE WHEAT FLOUR. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published January 25, 1937.

49,144.—*Title:* BLUEBIRD. For Buttons for Wearing Apparel. IOWA PEARL BUTTON COMPANY, Muscatine, Iowa. Published June 15, 1936.

49,145.—*Title:* BLUEBIRD. For Buttons for Wearing Apparel. IOWA PEARL BUTTON COMPANY, Muscatine, Iowa. Published June 15, 1936.

49,146.—*Title:* LA VESTA. For Hair Pomade. MME. BIRDIE L. JEFFRIES, doing business as Mme. Birdie L. Jeffries Laboratory, Houston, Tex. Published December 1, 1936.

49,147.—*Title:* WALCO INDIAN BEADCRAFT OUTFIT. For Indian Beadcraft Outfits. WALCO BEAD CO., New York, N. Y. Published July 17, 1936.

PRINTS

REGISTERED MARCH 30, 1937

16,139.—*Title:* ROAD RUNNER—THE CHAMPAGNE OF MOTOR FUELS. For Gasoline. DANCIGER OIL & REFINERIES, INC., Tulsa, Okla. Published January 25, 1937.

16,140.—*Title:* ROAD RUNNER—THE CHAMPAGNE OF MOTOR FUELS. For Gasoline. DANCIGER OIL & REFINERIES, INC., Tulsa, Okla. Published January 25, 1937.

16,141.—*Title:* IT'S REZITED. For a Sealer. I. F. LAUCKS, INC., Seattle, Wash. Published January 2, 1937.

16,142.—*Title:* SUNOCO PASSENGER CAR CHART. For Motor Oil. SUN OIL COMPANY, Philadelphia, Pa. Published January 26, 1937.

REISSUES

MARCH 30, 1937

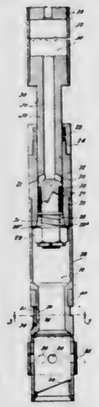
20,312

BAILER

Paul G. Gates, Long Beach, Calif.

Original No. 2,000,750, dated May 7, 1935, Serial No. 669,707, May 6, 1933. Application for reissue January 27, 1937, Serial No. 122,606

20 Claims. (Cl. 166—19)



1. A bailer comprising means providing upper and lower chambers telescopically connected together, a one way valve permitting ingress to the lower chamber, and a slide valve between the chambers operable by telescoping movement between the chamber forming means for establishing and breaking communication between the chambers.

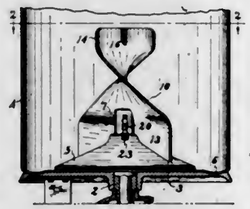
20,313

CLOTHES WASHING MACHINE

James B. Kirby, West Richfield, Ohio, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio, trustee

Original No. 1,834,492, dated December 1, 1931, Serial No. 335,491, January 28, 1929. Application for reissue September 18, 1933, Serial No. 690,035

42 Claims. (Cl. 259—101)



1. An agitator for clothes washing machines having a disk, an attachment for an upright shaft and a blade rising from said disk having at least a part approximately helicoid in shape with the helicoid axis substantially coinciding with the socket axis, and said blade or vane having upper and lower washing surfaces.

20,314

PENCIL

John P. Lynn, Chicago, Ill., assignor to Dur-O-Lite Pencil Company, Sycamore, Ill., a corporation of Delaware

Original No. 1,997,424, dated April 9, 1935, Serial No. 691,422, September 29, 1933. Application for reissue June 18, 1936, Serial No. 85,920

5 Claims. (Cl. 120—18)



2. A pencil comprising a body member having an axial opening, a tip member having an axial opening in communication with that of the body, means anchored within the opening of the one part and protruding therefrom for radial expansion within the opening of the other part whereby the two are connected in rotatable and releasable relation, said means having a longitudinally extending slot cooperating with the inner walls of said relatively movable body and tip members to provide a continuous guideway between said members, and a lead propelling mechanism operable through said body and tip members in said guideway.

20,315

DIAPER

Dorothy Lesueur, Holdenville, Okla., assignor to D. D. D. Manufacturing Company, Ada, Okla.

Original No. 2,049,913, dated August 4, 1936, Serial No. 19,089, April 30, 1935. Application for reissue November 17, 1936, Serial No. 111,226

14 Claims. (Cl. 128—284)



12. A diaper comprising, in combination, a waist band comprising a front section and a back section, means for fastening the sections to-

gether, the said sections comprising outer and inner relatively strong washable fabric panels having upper and end edges stitched together to form downwardly opening pockets, and an absorbent fibrous pad having the opposite ends thereof inserted in the pockets respectively and releasably attached therein.

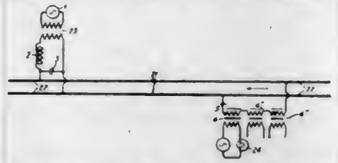
20,316
VEHICLE TIRE
Arthur H. Nellen, Merion, Pa., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa., a corporation of New York
Original No. 2,028,003, dated January 14, 1936, Serial No. 12,131, March 21, 1935. Application for reissue February 15, 1937, Serial No. 125,860
13 Claims. (Cl. 152—13)



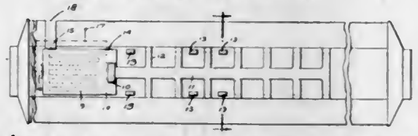
11. As a new article of manufacture, a cord tire casing incorporating in its carcass a plurality of layers of highly twisted cords in each of which the stretch capacity and the gauge have been materially reduced at the time of twisting without substantial impairment of the flexing properties thereof.

20,317
NONLINEAR CIRCUIT
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original No. 1,921,786, dated August 8, 1933, Serial No. 510,246. January 21, 1931. Renewed December 31, 1932. Application for reissue August 3, 1935, Serial No. 34,644
14 Claims. (Cl. 246—34)

14. In combination, a source of alternating electromotive force and a non-linear resonant circuit including a saturable reactor and condenser connected to be energized from said source, said non-linear circuit having a linear component of inductance such that the total inductive reactance of said non-linear circuit is substantially constant and of a value equal to the capacitive reactance of said condenser for substantially the whole of each half cycle of the alternating current wave for all values of applied voltage greater than the critical voltage at which said non-linear circuit exhibits its initial critical rise in current.



20,318
SYSTEM FOR AIR CONDITIONING RAILROAD CARS
Herman Richard Arf, Louisville, Ky., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware
Original No. 2,005,769, dated June 25, 1935, Serial No. 410,360, November 29, 1929. Reissue No. 20,178, dated November 24, 1936, Serial No. 83,820, June 5, 1936. This application for reissue January 26, 1937, Serial No. 122,414
11 Claims. (Cl. 98—14)



1. In an air conditioning system for a railroad car having a monitor top, a false ceiling and crowned shoulder portions, a plenum space extending substantially the length of the car, said plenum space being formed between said false ceiling and the roof of said car, said false ceiling extending across the car from one crowned shoulder to the other, air conditioning apparatus, a conduit wholly within said plenum space for supplying conditioned air from said apparatus to a plurality of air outlets in said false ceiling, the remainder of said plenum space serving as a passageway for returning air from the car to said conditioning apparatus.

PLANT PATENTS

GRANTED MARCH 30, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

240
ROSE
Carl F. Bertanzel, Sr., deceased, late of Roslyn, N. Y., by Carl F. Bertanzel, Jr., Roslyn, N. Y., and Harry W. Moore, Mineola, N. Y., executors, assignors to Carl F. Bertanzel, Jr., Roslyn, N. Y.
Application October 12, 1936, Serial No. 105,348
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized as to novelty by its highly productive quality, and the high centered double character and deep gold shade of its bloom, substantially as shown and described.

PATENTS

GRANTED MARCH 30, 1937

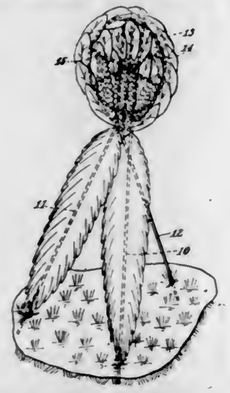
2,075,004
COPPER-SILICON-ZINC-TIN-LEAD ALLOY
William H. Bassett, deceased, late of Cheshire, Conn., by Sarah H. Bassett, Cheshire, Conn., executrix; said Bassett assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Original application November 25, 1933, Serial No. 699,710. Divided and this application December 15, 1936, Serial No. 115,984
3 Claims. (Cl. 75—158)

1. A copper base alloy which is characterized by free cutting properties and resistance to corrosion comprising approximately 0.1% to 6.5% silicon, 1% to 12% zinc, 0.5% to 6% tin, 0.1% to 0.45% lead, and balance copper.

2,075,005
COPPER-SILICON-ZINC-LEAD ALLOY
William H. Bassett, deceased, late of Cheshire, Conn., by Sarah H. Bassett, Cheshire, Conn., executrix; said Bassett assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Original application November 25, 1933, Serial No. 699,710. Divided and this application December 15, 1936, Serial No. 115,985
3 Claims. (Cl. 75—155)

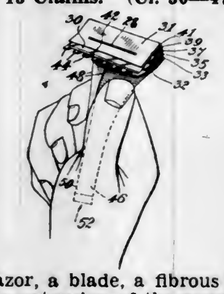
1. A copper base alloy which is characterized by free cutting properties and resistance to corrosion comprising approximately 0.1% to 6.5% silicon, 1% to 12% zinc, 0.1% to 0.45% lead, and balance copper.

2,075,006
EASEL SPRAY
Frank C. Braun, New York, N. Y.
Application May 11, 1935, Serial No. 20,940
2 Claims. (Cl. 41—12)



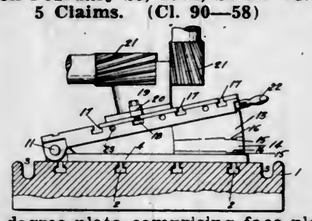
1. A support for a decorative assembly, comprising a bendable centrally-disposed member and two side members attached thereto at a plurality of points, the side members each being longer than the centrally-disposed member and being bent in a laterally-extending curve from the last-named member with their ends overlying said last-named member and being fastened thereto and to each other.

2,075,007
RAZOR AND DEVICE EMBODYING RAZOR
Burton Christmas, Youngstown, Ohio
Application February 23, 1933, Serial No. 657,988
Renewed January 21, 1937
13 Claims. (Cl. 30—47)



1. In a razor, a blade, a fibrous mounting for the blade, an extension of the mounting forming a cover to be folded down over the blade, and means holding the cover to the blade, said cover centrally scored along part of its length to form a stiff handle, and also including a single scored line extending rearwardly from each end of the blade approaching the longitudinal center of the handle, but spaced from the center of the handle more than half the length of the handle so that the handle folded along the spaced scores folds into a girder-like handle.

2,075,008
DEGREE PLATE
Carl N. Damm and Adam Pyle, Sr., Muskegon Heights, Mich., assignors to Pyle Pattern & Manufacturing Company, Muskegon Heights, Mich., a corporation of Michigan
Application February 26, 1934, Serial No. 712,952
5 Claims. (Cl. 90—58)

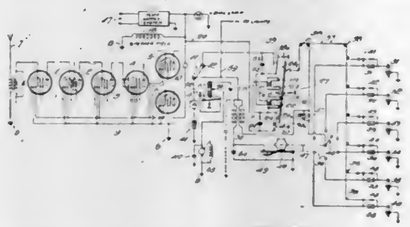


3. In a degree plate comprising face plate and base members in hinged relation, a plurality of a plurality of vertical series of relatively inclined supporting surface members for supporting the face plate member in inclined relation to the base member.

2,075,009
RADIO RECEIVING SYSTEM FOR VEHICLES
George P. Adair, Takoma Park, Md.
Application April 27, 1934, Serial No. 722,767
6 Claims. (Cl. 250—14)

1. Means for guarding radio receiving apparatus against interference from motor vehicle

ignition systems comprising, in combination, with an internal combustion engine ignition system including a multiplicity of spark plugs and an ignition distribution circuit, a frame structure, means for supporting said frame structure adjacent the spark plugs of the internal combustion engine, a movable actuator disposed adjacent one end of said frame structure, oscillation suppressing means in said distribution circuit and in series with certain of said spark plugs, contact systems normally shunting said oscilla-



tion suppressing means, an adjustable guide carried by said frame structure in substantial alignment with each of the said contact systems, and tension members passing over said adjustable guides and interconnecting the said contact systems with said movable actuator whereby said oscillation suppressing means may be effectively included in the distribution circuit for one position of said movable actuator and shunted out of said ignition distribution circuit for another position of said movable actuator.

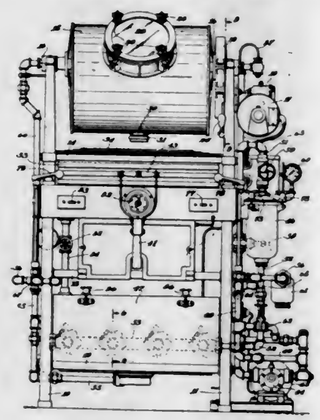
2,075,010

DRY CLEANING APPARATUS AND FLUID CIRCULATING SYSTEM THEREFOR

Louis Angelus, New York, and Daniel Lawrence Baylis, Long Island, N. Y.; said Baylis assignor to said Angelus

Application August 10, 1934, Serial No. 739,206

5 Claims. (Cl. 68—38)



1. In a dry cleaning apparatus, a rotatable substantially cylindrical cleaning drum mounted with its axis horizontal, means for rotating the drum about an eccentric horizontal axis extending through the drum, said drum being provided with a feeding aperture in the region of the cylindrical wall which is nearer to the axis of rotation, an extracting chamber directly beneath said drum and provided with a top opening, means for bringing said aperture into a position directly above and in registry with said chamber opening so that articles may fall by gravity from said drum into said chamber, and a rotatable extracting basket in said chamber positioned to receive said articles.

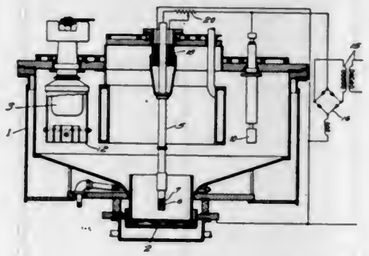
2,075,011

EXCITATION SYSTEM FOR MERCURY ARC RECTIFIERS

Alfred L. Atherton, Verona, and Herbert A. Rose, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 12, 1933, Serial No. 680,160

1 Claim. (Cl. 175—354)



A mercury-arc rectifier comprising an arc chamber, a vaporizable cathode therein, an anode in said chamber, a shield about said anode, a starting electrode for initiating an arc in said rectifier, a second exciting electrode for producing ionization adjacent the open end of said anode shield, a source of unidirectional exciting current connected to both of said electrodes and a resistance in series with said first mentioned electrode for transferring the major portion of the exciting arc to said second electrode.

2,075,012

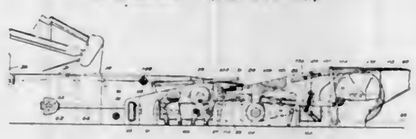
APPARATUS FOR FEEDING BISCUITS OR THE LIKE TO OVENS, PANS, CONVEYERS, OR THE LIKE

George Ralph Baker, Willesden, London, England, assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York

Application November 7, 1932, Serial No. 641,501

In Great Britain November 11, 1931

9 Claims. (Cl. 107—7)



1. In apparatus for feeding biscuits from a cutting machine conveyer to a plurality of ovens, means for assembling side by side batches of biscuits delivered by the cutting machine conveyer, transfer conveyer means located between the cutting machine conveyer and the ovens and means for driving said transfer conveyer means at differential rates corresponding to the rate of travel of the cutting machine conveyer at one time and at another with the rate of travel of the oven conveyers.

2,075,013

ACYLAMINO ALKYL-ARYL ETHERS AND THEIR SULPHONATION PRODUCTS

Alfred William Baldwin, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application September 4, 1935, Serial No. 39,185. In Great Britain September 4, 1934

16 Claims. (Cl. 260—124)

1. An acylamino alkyl-aryl ether having the general formula:

$$R—CO—NR'—(CH_2)_n—O—Q$$

where R stands for a normal saturated aliphatic hydrocarbon radical containing at least seven carbon atoms, R' stands for one of the group consisting of hydrogen and alkyl, n is any number from 1 to 4 inclusive, and Q stands for an aryl radical of the benzene series.

2,075,014

COPPER SILICON ALLOYS

William H. Bassett, Cheshire, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut

No Drawing. Application November 25, 1933, Serial No. 699,710

5 Claims. (Cl. 75—160)

1. A copper base alloy which is workable and characterized by free cutting properties and resistance to corrosion comprising approximately 0.1% to 6.5% silicon, 0.01% to 3% manganese, 0.1% to 0.45% lead and balance copper.

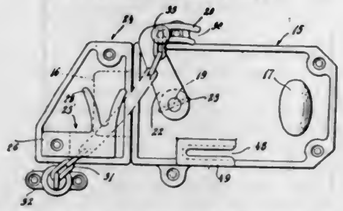
2,075,015

AUTOMATIC CHAIN LOCK

Eugene P. Beaumont, New York, N. Y.

Application January 25, 1936, Serial No. 60,780

3 Claims. (Cl. 70—93)



1. In a lock for a door and its jamb, the combination of, a chain secured at one end to one of them, a pair of members, each adapted to admit and engage the free end of the chain, mounted on the door and jamb respectively, one fixed and the other pivoted; the free end of the chain being removably engaged in one of said members, and key-operative means adapted to be actuated from the outside surface of the door for swinging the pivoted member, whereby the free end of the chain is conveyed to leave the member it had first been in engagement with, and to enter and become engaged by the other of said members to effect or remove a chain connection between the door and jamb.

2,075,016

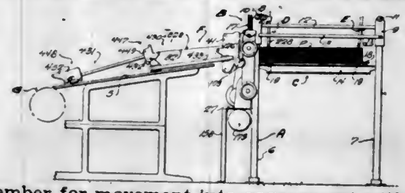
SHEET FEEDING MACHINE

Elmer W. Belluche and Frank R. Belluche, Racine, Wis., assignors to Christensen Machine Company, Racine, Wis., a corporation of Wisconsin

Application December 21, 1933, Serial No. 703,370

60 Claims. (Cl. 271—28)

1. In a sheet feeding device, the combination with a support for a pile of sheets and mechanism to carry the sheets to a predetermined destination, suction means to forward the sheets singly from the pile to said mechanism comprising a sheet engaging suction member, an oscillatory shaft, means on said shaft to mount the suction



member for movement into engagement with the topmost sheet of the pile and for swinging movement about the axis of said shaft and toward said mechanism, and means operable by oscillation of the shaft to effect the sheet engaging and swinging motions of the suction member.

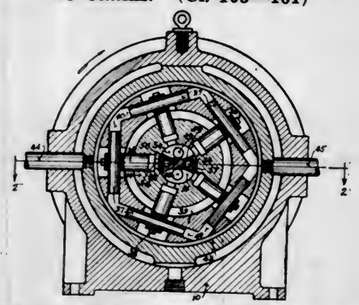
2,075,017

PUMP AND METHOD OF SILENCING AND OPERATING PUMPS

Elek Benedek, Mount Gilead, Ohio

Application April 27, 1932, Serial No. 607,697

15 Claims. (Cl. 103—161)



1. The combination with a hydraulic rotary radial piston type pump, or motor, including a rotatably adjustable valve pintle having fluid ports, a rotor having radial cylinders with ports cooperable successively with the pintle ports, piston assemblages respective to the cylinders, adjustable reactance means cooperable with the piston assemblages for reciprocating the same, and means for adjusting the reactance means to different positions for varying the delivery fluid of the pump, of means responsive to changes in the delivery pressure of the pump for rotatably adjusting the pintle to different angular positions for silencing operation of the pump.

2,075,018

TERTIARY ALKYLARYLOXY ALKYLOLS

Herman A. Bruson, Elkins Park, and Otto Stein, Lansdowne, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application November 30, 1934, Serial No. 755,358

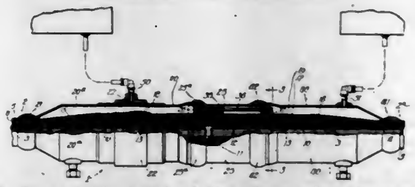
11 Claims. (Cl. 260—150)

7. An ether alcohol of the formula

$$A—R—O—R^1,$$

wherein R represents an aromatic ring, A represents a tertiary alkyl group containing at least 8 carbon atoms and is a nuclear substituent of R, and R^1 represents a member of the group consisting of monohydroxy alkyl and dihydroxy alkyl radicals.

2,075,019
STOP JOINT FOR ELECTRIC CABLES
Nelson E. Buck and Denney W. Roper, Chicago, and Alexander P. Thoms, Winnetka, Ill.
Application December 2, 1932, Serial No. 645,424
15 Claims. (Cl. 173—268)



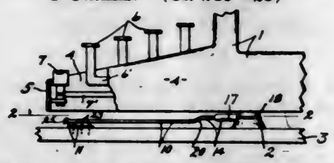
1. In a cable joint of the class wherein a pair of cable conductors are electrically connected by a connector and provided with a wrapping of substantially impervious insulation and with an outer sleeve spaced from the wrapping, and a filling of insulating liquid in the joint, the combination of means for preventing the flow of liquid through the joint from one cable to the other, comprising a yielding member extending between the outer sleeve and the wrapping of insulation and held under compression to form a liquid tight seal at its contact with the sleeve and at its contact with the insulation, said yielding member embracing the wrapped insulation at the connector, whereby the compression of the member compresses the insulation and presses it against the connector.

2,075,020
GOGGLES, SPECTACLES, OR THE LIKE
Oswald B. Carson, Scarsdale, N. Y.
Application May 28, 1936, Serial No. 82,246
5 Claims. (Cl. 88—41)



1. A bridge element for goggles comprising in combination a single piece of pliable wire formed to span the upper space between the lens holding rims, one end attached to one of said rims, the other end passing downward for an appreciable distance and attached to the opposite rim, then formed into a vertical looped portion at right angles to the plane of the lenses, then passing in a straight horizontal direction through a spool-shaped nose-contacting element, then upward in a second vertical loop substantially parallel to the first loop and then upward in attachment to the opposite lens holding rim.

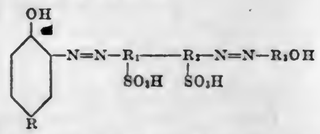
2,075,021
FASTENER FOR TYPEWRITERS
Glenn W. Colon, Syracuse, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application May 7, 1935, Serial No. 20,222
8 Claims. (Cl. 248—25)



1. A device for releasably securing a typewriter to a support comprising a one-piece member adapted to be permanently secured to opposite sides of the typewriter frame, a clip releasably engaging said member, and means for permanently securing the clip to the support.

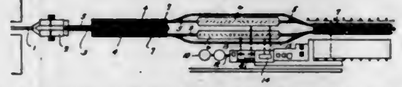
2,075,022
ORANGE DISAZO DYES
Moses L. Crossley, Plainfield, and Lincoln M. Shafer, Highland Park, N. J., assignors to The Calco Chemical Company, Inc., Bound Brook, N. J., a corporation of Delaware
No Drawing. Application August 14, 1935
Serial No. 36,122
12 Claims. (Cl. 260—78)

1. Orange to red or red violet disazo dyes having the following formula:



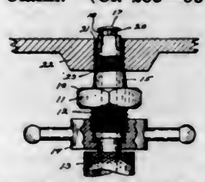
in which R is an alkyl group having more than two carbon atoms, R_1—R_2 is a benzidine nucleus and R_3 is a naphthalene nucleus.

2,075,023
METHOD OF PREPARING WOOD FOR GRINDING
Lester W. David, Seattle, Wash.
Application December 12, 1934, Serial No. 757,184
7 Claims. (Cl. 92—6)



1. A process of treating wood preparatory to grinding, comprising barking and cleaning the wood of foreign matter, enclosing the wood in a closed container, filling the container with a chemical reagent sufficient to immerse the wood, applying pressure to the reagent to effect its initial impregnation of the wood, draining the reagent from the container and applying steam under pressure to cause complete impregnation of the wood.

2,075,024
ADAPTER BUSHING
James K. Delano, Poughkeepsie, N. Y.
Application March 27, 1935, Serial No. 13,201
1 Claim. (Cl. 285—55)



A bushing for insertion in the opening of a crank case, said opening being of uniform diameter and having its wall threaded throughout its length, the bushing including a tubular member having its outer surface tapered throughout its length and initially unthreaded, the minor end of the member being of a diameter less than the diameter of the opening, the major end of the member being of a diameter greater than the opening, whereby when the member is rotated in the opening the member will have cut therein at least some of the threads of the wall opening in its minor or major end, or intermediate such ends, whether the member is partly or fully extended into the opening.

2,075,025
COATING COMPOSITIONS AND PROCESSES OF PREPARING THE SAME
Joseph B. Dietz, Roanoke, Va., and Harry G. Stauffer and Edmund F. Oeffinger, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 27, 1933, Serial No. 682,460
3 Claims. (Cl. 134—26)

1. A shellac substitute, consisting of a copal resin of the class consisting of Pontianak and "soft" Manila in solution in a volatile solvent mixture comprising ethyl alcohol and toluol together with an alkaline compound of metal selected from the alkali and alkaline earth groups in the proportion of less than eight parts of the alkaline compound to 250 parts of the resin.

2,075,026
MANUFACTURE OF ALIPHATIC ANHYDRIDES
Henry Dreyfus, London, England, and Clifford Ivan Haney, Drummondville, Quebec, Canada, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 11, 1928,
Serial No. 284,566
In Great Britain July 7, 1927
9 Claims. (Cl. 260—123)

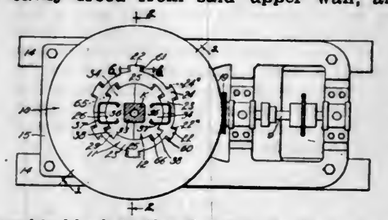
7. Process for the separation of a vaporous mixture comprising an aliphatic anhydride and water vapor, which comprises adding and mixing the vapor of at least one entraining agent to said mixture and condensing the anhydride while allowing the water to pass off in vapor form.

2,075,027
MANUFACTURE AND TREATMENT OF ARTIFICIAL SILK AND LIKE PRODUCTS
Henry Dreyfus, London, England
No Drawing. Application October 17, 1932, Serial No. 638,179. In Great Britain October 21, 1931
14 Claims. (Cl. 18—54)

1. In a process for the manufacture of artificial filaments, threads, yarns, ribbons, fabrics and like materials having a basis of organic derivatives of cellulose, the step of treating such materials while they are carrying a solution of a solvent in a non-solvent for the cellulose derivative, with a solution which contains at least 1% concentration of a salt and which decreases the solubility of said solvent in said non-solvent.

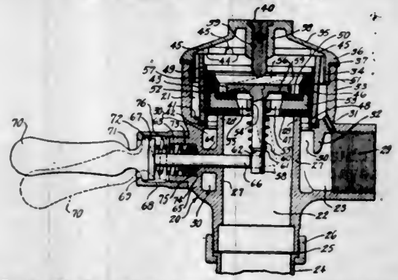
2,075,028
ROTARY WELL DRILLING APPARATUS
Dennis L. Driscoll, Los Angeles, Calif.
Application November 11, 1935, Serial No. 49,175
2 Claims. (Cl. 255—23)

1. In combination, a rotary table having a cylindrical opening and a slot in the wall of the opening having a lateral branch, the upper wall of the lateral branch being inclined, a master bushing arranged in the opening, a key on the master bushing extending into the slot to form a torque transmitting drive between the table and bushing, a lug on the key cooperating with the lateral branch to lock the bushing in the table, the upper side of the lug being inclined and easily freed from said upper wall, and a



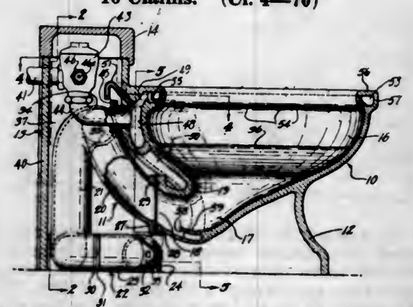
removable block in the slot to lock the lug in the branch.

2,075,029
FLUSH VALVE
George C. Duncan, Jr., Los Angeles, Calif., assignor, by mesne assignments, to Duncan No-Noise Valve & Bowl Company, Inc., a corporation of California
Application March 16, 1934, Serial No. 715,829
19 Claims. (Cl. 137—93)



15. A flush valve having, in combination: a valve chamber having frusto-conical walls of vitreous-like material; a frusto-conical rubber valve member slidable in said chamber from an open position at the larger end of the chamber to a closed position at the smaller end of the chamber and vice versa; and a non-resilient core embedded in said rubber valve member laterally near its smaller end to increase the friction between the valve member and the chamber walls at the closed position of the valve.

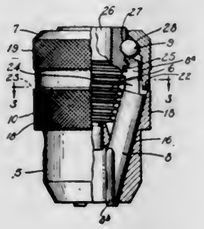
2,075,030
TOILET
George C. Duncan, Jr., Los Angeles, Calif., assignor, by mesne assignments, to Duncan No-Noise Valve & Bowl Company, Inc., a corporation of California
Application March 16, 1934, Serial No. 715,830
Renewed July 13, 1936
16 Claims. (Cl. 4—70)



1. A toilet having, in combination: a bowl hav-

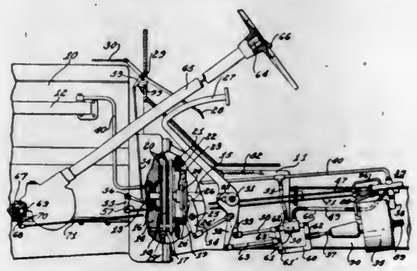
ing a rearwardly disposed outlet; a casing integral with the bowl having a pedestal portion under and supporting the bowl and a box portion behind the bowl; a flush valve in the box portion of the casing controlling water supply to the bowl; a sewer connection enclosed by said casing; and a trap in the box portion of said casing extending upward and back from said bowl outlet, then downward in a broken line and then forward to said sewer outlet.

2,075,031
CHUCK DEVICE
George W. Emrick, Brooklyn, N. Y.
Application May 2, 1935, Serial No. 19,385
3 Claims. (Cl. 279—63)



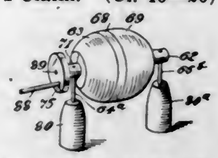
1. A chuck device comprising a body having jaws movable longitudinally and radially therein, a cone mounted in the upper end of said body and including a bearing at the lower end thereof in the central portion of said body, means on the cone engaging the jaws for actuating the same, a cap detachably coupled with said body and encircling said cone, a plurality of bearing balls arranged between the cap and said cone above said body to centralize the cone within said cap and body, and the upper ends of said jaw members being exposed to said bearing balls through the upper end of said body and adapted to engage the same to limit upward movement of said jaw members.

2,075,032
CLUTCH CONTROL MECHANISM
James R. Ferguson, Royal Oak, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application May 11, 1934, Serial No. 725,121
15 Claims. (Cl. 192—.01)



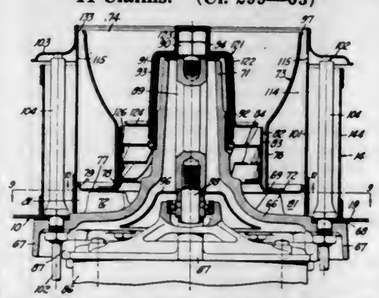
1. In a power mechanism for releasing a clutch, control mechanism comprising three manually operative valve means, one of said valve means cooperating selectively with either of the other valve means to make the power mechanism effective.

2,076,033
TOY
Arthur E. Garner, New York, N. Y., assignor to Garner Products, Inc., New York, N. Y., a corporation of New York
Application November 14, 1935, Serial No. 49,787
1 Claim. (Cl. 46—26)



A toy warrior, comprising a torso portion having a central rod, and a plurality of body sections threaded on the rod and having various dimensions outlining the upper part of the body, the waist and hips, said rod projecting from the upper end of the body portion, a neck piece threaded on the rod, and head and cap pieces mounted on the upper end of the rod, a cross rod extending through the upper section of the body, a combined shield and arm mounted on one end of the cross rod, and a second combined spear and arm mounted on the other end of said cross rod, said central rod of the body portion having a T-shaped lower end, and interconnected leg and foot sections hinged on the branches of said T-shaped lower end of the rod.

2,075,034
DISHWASHING MACHINE
Gordon B. Grace and Louis P. Lansing, San Francisco, Calif.; said Grace assignor to said Lansing
Application April 7, 1933, Serial No. 664,914
11 Claims. (Cl. 299—63)



8. In a machine of the character described, a stationary and generally upright bowl-shaped structure having a lower intake opening, an impeller disposed within said structure and adjacent said intake opening to impart rotary and upwardly directed velocity components to liquid, and means forming an automatically variable annular orifice for accommodating flow of liquid from said impeller, said last means being within said structure and overlying the impeller.

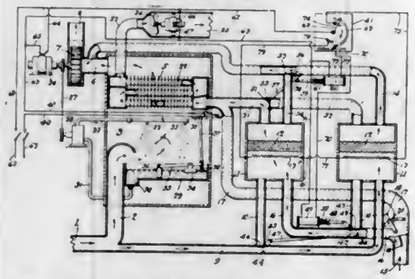
10. In a washing machine, a stationary structure affording a lower intake opening, said structure in transverse cross-section being annular in contour and having its upper portion belled upwardly and outwardly and substantially unobstructed with respect to discharge of liquid therefrom, the lower portion of said structure being of a diameter corresponding generally to the smallest diameter of the belled portion, and a rotary impeller disposed below said belled portion and within the lower portion of said structure for discharging a sheet of liquid upwardly along the inner peripheral surface of said upper belled portion, thereby causing the water to be discharged from the upper edge of said structure as a twisting conical spray.

11. In a machine of the character described, a bowl-shaped structure affording a lower intake opening, a rotary impeller for delivering liquid upwardly along the inner peripheral surface of said structure, and means making use of the aspirating effect of liquid flow from the impeller to said surface for maintaining a partially evacuated space within the region occupied by said impeller.

2,075,035
PROCESS FOR PREPARING CARBOXYLIC ANHYDRIDES
George D. Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 1, 1935, Serial No. 4,519
10 Claims. (Cl. 260—123)

1. The process of producing the anhydride of an organic carboxylic acid which comprises heating a mixture of an alkyl ester of said acid with the anhydride of a different carboxylic acid, in the presence of an esterification catalyst.

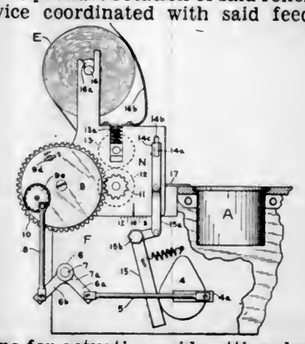
2,075,036
AIR CONDITIONING APPARATUS AND PROCESS
Henry L. Hollis, Chicago, Ill.
Application August 26, 1935, Serial No. 37,839
18 Claims. (Cl. 183—4)



1. The method of treating air in an enclosed space which comprises setting up two relatively independent currents of air, one of outside air, the other of inside air, cooling said outside air, dehumidifying said inside air and cooling said dehumidified inside air by said cooled outside air.

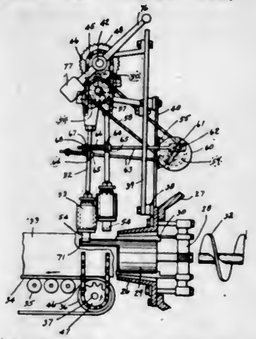
2,075,037
WRAPPER FEEDING AND CUTTING DEVICE
Donald M. Hunter, Spokane, Wash.
Original application August 28, 1934, Serial No. 741,769. Divided and this application January 13, 1936, Serial No. 58,921
12 Claims. (Cl. 164—49)

1. A feeding and cutting device comprising a pair of feed rollers, a wheel operatively connected with one of said rollers, a crank pin carrying member journaled coaxially of said wheel, rotatable means for moving said crank pin to alter its radial distance from said coaxial center, a connecting bar pivoted on said crank pin, means for reciprocating said connecting bar, means for periodically interengaging said coaxial members to produce rotation of said rollers, a cutting device coordinated with said feed rollers,



and means for actuating said cutting device during each quiescent period of said rollers.

2,075,038
METHOD AND APPARATUS FOR MANUFACTURING AERATING BLOCKS FOR SEWAGE DISPOSAL FILTER BEDS
John C. Hutchinson, Brazil, Ind.
Application February 18, 1935, Serial No. 7,044
16 Claims. (Cl. 25—105)



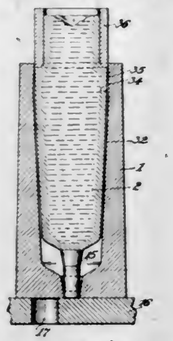
1. A method of forming a ceramic block having a longitudinal passage and transverse openings in the wall thereof consisting in extruding a column of plastic material through a die adapted to form the longitudinal passage, removing slugs of clay from a wall thereof to form said openings, and discharging said slugs free of the clay column.

2,075,039
APPARATUS AND METHOD FOR CONTROLLING FREEZING OF INGOTS
Edmund J. Kauffman, Girard, Ohio, assignor to Valley Mould & Iron Corporation, Hubbard, Ohio, a corporation of New York
Application November 16, 1934, Serial No. 753,297
10 Claims. (Cl. 22—200)

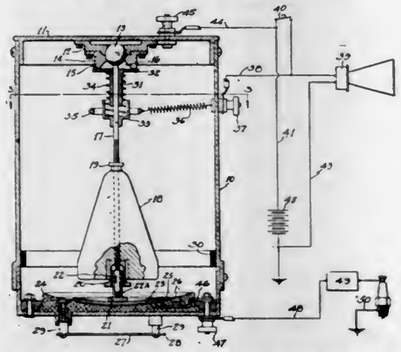
1. In a device of the class described, a big-end-up ingot mold, a hot top movably mounted on said mold, the hot top being of rigid construction which becomes attached to the ingot, means to cause a relative longitudinal bodily movement between said mold and a partially frozen ingot therein, and means to positively guide said rigid hot top during said movement to retain the axis of said ingot substantially coincident with the axis of the matrix of said mold when said movement has occurred.

7. The method of controlling the freezing of a steel ingot after it has been poured in a ta-

pered ingot mold, which comprises: partially stripping the ingot, sufficiently to establish a heat insulating air space between the ingot and the mold; maintaining said air space substantially uniform about the periphery of the ingot, heat insulating the upper end of the ingot, and preventing substantial circulation of cooling air through said space.



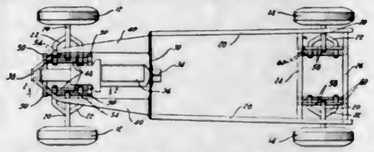
2,075,040
PROTECTIVE DEVICE FOR AUTOMOBILES
Eugen Kieber, Cottonwood, Idaho
Application February 24, 1934, Serial No. 712,757
2 Claims. (Cl. 200—52)



1. A protective device for automobiles including a switch consisting of a case, a pendulum mounted in said case having a universal pivot by means of which it is attached to said case adapted to permit said pendulum to swing in any direction, a contact plate mounted under said pendulum, a shoe yieldably attached to said pendulum and contacting said plate, a means for latching said shoe beyond the periphery of said plate out of electrical contact therewith, means for releasing said shoe and permitting said pendulum to return to a normal vertical position in the center of said plate and a resiliently mounted contact ring disposed around said pendulum adapted to engage same when said pendulum is moved to a latched position.

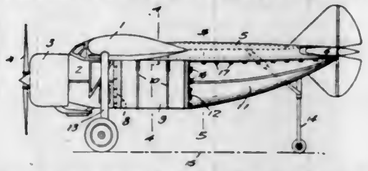
2,075,041
VEHICLE
Victor W. Kliesrath, South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill., a corporation of New York
Application January 19, 1934, Serial No. 707,267
14 Claims. (Cl. 267—57)

1. A vehicle having a wheel, upper and lower rods running longitudinally of the vehicle and each having one part fixedly and another part rotatably mounted on the vehicle, the lower rod being considerably closer to the longitudinal center line of the vehicle than the upper rod, and a laterally-extending arm secured to and carried by each of said rods at one end and having



said wheel mounted at their other ends, the lower arm being longer than the upper arm and the ends of said arms adjacent the wheel being substantially vertically in line with each other, whereby said rods torsionally resist vertical movements of the wheel, said arms being secured to the rods intermediate the ends thereof.

2,075,042
TRANSPORT CARGO AIRCRAFT
Hugh J. Knerr, Langley Field, Va.
Application May 8, 1935, Serial No. 20,399
5 Claims. (Cl. 244—118)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an airplane having the forward portion of a fixed streamline fairing disposed at the forward end of the longitudinal load carrying structure of its body, a longitudinally movable fairing depending from the rear end of the load carrying structure and adapted to be arranged with respect to said fixed fairing such that a predetermined portion of the undersurface of said load carrying structure is left unobstructed between the adjacent walls of said fairings and one or more detachable compartments adapted to completely fill said unobstructed space between the adjacent walls of said fairings and to form therewith substantially one continuous fairing.

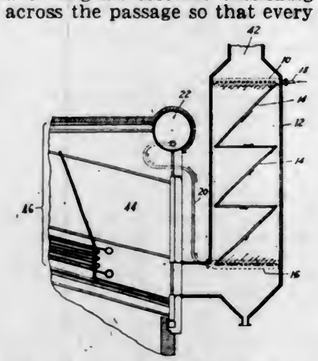
2,075,043
A PROCESS FOR PRODUCING A COPPER PHTHALOCYANINE COMPOUND
Reginald Patrick Linstead and Arthur Reginald Lowe, London, Isidor Morris Heilbron, Manchester, and Francis Irving, Grangemouth, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 2, 1934, Serial No. 718,742. In Great Britain April 22, 1933
4 Claims. (Cl. 260—12)

1. The process of producing a coloring matter of the phthalocyanine series which comprises heating an ortho-halogenbenzamide with a copper cyanide.

2,075,044
HEAT EXCHANGER
Charles E. Lucke, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application May 26, 1931, Serial No. 540,025
23 Claims. (Cl. 257—230)

1. An economizer comprising, in combination, walls forming a passage for the flow of a stream

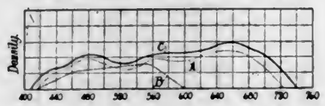
of heating gases, an inlet header extending transversely of the passage, a similarly positioned outlet header, and return bend coils of tubing formed of aligned sections extending back and forth across the passage so that every cross-sectional part of the stream of heating medium contacts with a coil section, said coils conducting water from the inlet header to the outlet header with a flow which is counter-current with respect to the flow of heating gases.



2,075,045
THERMO-PLASTIC
George James Manson, Hawkesbury, Ontario, Canada
No Drawing. Application January 27, 1933, Serial No. 653,923. Renewed June 16, 1936
8 Claims. (Cl. 106—22)

1. A thermo-plastic comprising a blended mixture of polymerized vinyl acetate and a substantial amount of sulphur.

2,075,046
PHOTOGRAPHIC EMULSION CONTAINING SUPERSENSITIZED PINACYANOL
Charles E. K. Mees, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application November 4, 1932, Serial No. 641,177
Renewed February 9, 1935
10 Claims. (Cl. 95—7)

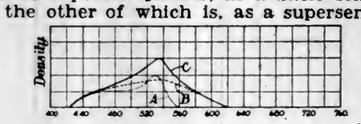


A - Pinacyanol
B - A dialkylamino styryl derivative of an alkyl quaternary salt of a simple nitrogen-containing heterocyclic base
C - A combination of these two dyes

1. A gelatino-silver-halide emulsion containing two sensitizers for the emulsion, one of which is pinacyanol as a basic sensitizer and the other of which is, as a supersensitizer, a dialkylamino styryl derivative of an alkyl quaternary salt of a simple nitrogen-containing heterocyclic base.

2,075,047
PHOTOGRAPHIC EMULSION CONTAINING SUPERSENSITIZED PSEUDOCYANINES
Charles E. K. Mees, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application November 4, 1932, Serial No. 641,178
Renewed February 9, 1935
15 Claims. (Cl. 95—7)

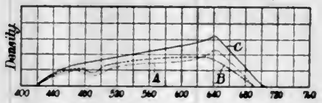
1. A gelatino-silver-halide emulsion containing two sensitizers for the emulsion, one of which is a pseudocyanine, as a basic sensitizer, and the other of which is, as a supersensitizer,



A - Pseudocyanine
B - A dialkylamino styryl derivative of an alkyl quaternary salt of a simple nitrogen-containing heterocyclic base
C - A combination of these two dyes

a dialkylamino styryl derivative of an alkyl quaternary salt of a simple nitrogen-containing heterocyclic base.

2,075,048
PHOTOGRAPHIC EMULSION CONTAINING SUPERSENSITIZED CARBOCYANINES
Charles E. K. Mees, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application November 4, 1932, Serial No. 641,179
Renewed February 9, 1935
12 Claims. (Cl. 95—7)



A - A thiocarbocyanine
B - A different thiocarbocyanine
C - A combination of these two dyes

1. A gelatino-silver-halide emulsion containing two sensitizers for the emulsion, one of which is a carbocyanine selected from the group consisting of thiocarbocyanines and selenocarbocyanines, as a basic sensitizer, and the other of which is a dibenzothiocarbocyanine, as a supersensitizer.

2,075,049
PAPER CUP
Matti Niemi, Juneau, Territory of Alaska
Application December 5, 1934, Serial No. 756,059
11 Claims. (Cl. 229—52)

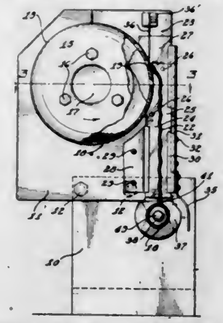


7. In a cup of the character described, the combination with the cup, and a strip member having connection at one end with the cup adapted for movement from a normal contiguous relation overlying the side of the cup to a handle-forming loop spaced therefrom, means carried by the cup for slidably supporting said strip member relative to the cup, said last-named means providing a bridge-forming portion arranged to receive the strip member between the bridge and the side of the cup.

2,075,050
ARTICLE HANDLING MECHANISM
John A. Nowinski, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 4, 1934, Serial No. 705,221
3 Claims. (Cl. 221—135)

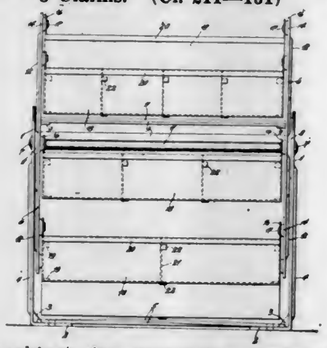
2. In a roller bearing handling machine, the

combination with a rotatable hopper drum having a slotted peripheral wall, and a housing having a passage therein open at its upper end to receive rollers directly from the slots in the drum as they pass thereby, of a roller clearing means compris-



ing a leaf spring positioned to enter the slots in said drum behind the rollers being elevated therein as they approach the inlet end of said passage, said drum in its rotation moving the spring outwardly of the slots to thereby sweep the rollers from the slots into the passage.

2,075,051
ROTARY UTILITY CABINET
Peter Parr, St. Louis, Mo., assignor to Nu-Way Shoe Stretcher Company, St. Louis, Mo., a corporation of Missouri
Application May 9, 1936, Serial No. 78,766
3 Claims. (Cl. 211—131)



1. A cabinet for supporting useful articles comprising a pair of spaced upright thin sheet metal members each of which includes beaded reinforcements to prevent bending, a number of reinforcing strips extending diagonally between and connecting the lower ends of said members, axially alined pivots supported by said members, a pair of sheet metal discs supported by said pivots adjacent to said members respectively, and a series of cabinets for articles of different types pivotally supported by said discs.

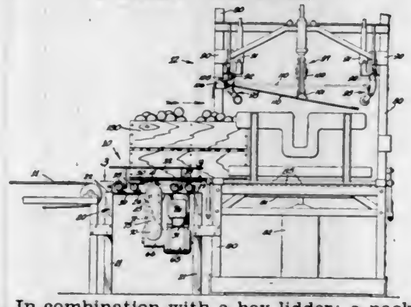
2,075,052
CURTAIN ROD CONSTRUCTION
Abram N. Pasman, Milford, Conn.
Application March 3, 1936, Serial No. 66,778
9 Claims. (Cl. 285—174)

1. A device of the character described, including, tubular sections, means for connecting said sections, said means including a tubular member mounted within said tubular sections, said tubular member being provided with a resilient member having openings, legs bent in from adjacent ends



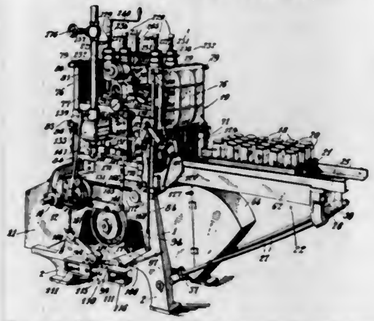
of said tubular sections adapted to be received by said openings in said resilient member for securely holding said tubular sections together.

2,075,053
BOX FEEDING DEVICE FOR LIDDERS
Gerald C. Paxton, Sanger, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware
Application May 24, 1932, Serial No. 613,225
4 Claims. (Cl. 1—10)



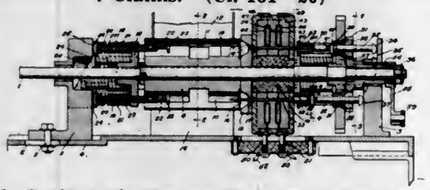
1. In combination with a box lidder: a packed box conveyor adapted to deliver packed boxes to said lidder; a feed control conveyor adapted to be interposed between said packed box conveyor and said lidder; means on said feed control conveyor to stop boxes discharged one at a time onto said conveyor by said packed box conveyor; means on said feed control conveyor to discharge boxes one at a time into said box lidder; and means on said lidder responsive to the placement of a lid in said lidder to start said box discharge means on said feed control conveyor.

2,075,054
SEALING MACHINE
Abraham Podel, New York, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application December 29, 1933, Serial No. 704,487
13 Claims. (Cl. 226—82)



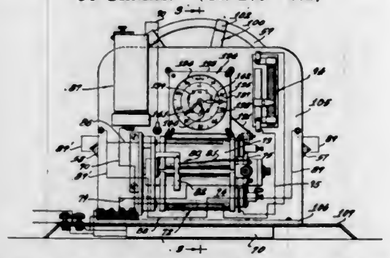
1. In combination with a sealing machine for sealing a plurality of containers, members at one end of the sealing machine for supporting a tray having containers therein, a pair of guide members extending along the length of said supporting members, a carriage slidably mounted on said guide members for engaging the tray, a clutch device connected to said carriage, a member for reciprocating said carriage operatively connected to said carriage by means of said clutch device, and means for reciprocating said member operatively connected to said carriage, whereby said carriage is adapted to move the tray toward said sealing machine, said clutch being effective to disconnect said reciprocating member and carriage if resistance to the movement of the tray is substantial.

2,075,055
CIGAR PIERCING MACHINE
Herman Prager, Metairie, La.
Application October 16, 1935, Serial No. 45,335
7 Claims. (Cl. 131—20)



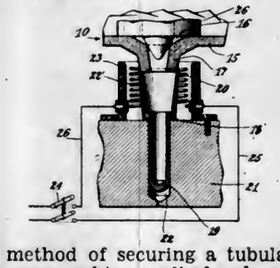
1. A cigar piercing machine comprising a rotatable unit including a magazine having a plurality of individual open sided cigar chambers arranged about its periphery adapted to receive cigars from a suitable hopper, means forming an end wall for said chambers having centering recesses registering with said chambers, a battery of plungers on one side of said magazine, the plungers being co-axial with said cigar chambers, a battery of piercing means on the opposite side of said magazine adapted to enter said cigar chambers through said end wall, said piercing means being substantially co-axial with said recesses, said plungers and piercing means being normally spring-biased away from said magazine, and relatively fixed cams at opposite sides of said unit engaged respectively by the plungers and the piercing means for operating said plungers and piercing means, thereby on the one hand successively pushing the cigars laterally into the centering recesses and on the other hand successively piercing the centered ends of the cigars.

2,075,056
METER
Frank S. Rich, Los Angeles, Calif.
Application May 7, 1932, Serial No. 609,859
50 Claims. (Cl. 179—7.1)



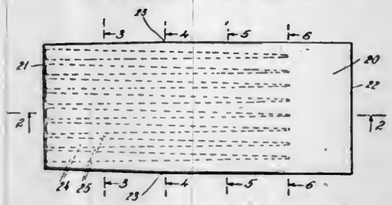
1. In a telephone service having a talking circuit with a source of power and including a transmitter switch, the combination of a relay, said relay being operated in a first manner on answering of an incoming call and in a second manner by answering of an outgoing call, an outgoing call operative means operated by the relay on the answering of an outgoing call when moved in its second manner, a timing indicating device having means for completely electrically operating the same, and means actuated by the relay to supply energy when such relay is actuated in said second manner of an answered outgoing call, said relay having means for stopping the timing device on breaking of the outgoing call.

2,075,057
METHOD OF SECURING CONTACT MEMBERS
Henry K. Richardson, Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 7, 1933, Serial No. 692,587
8 Claims. (Cl. 49—81)



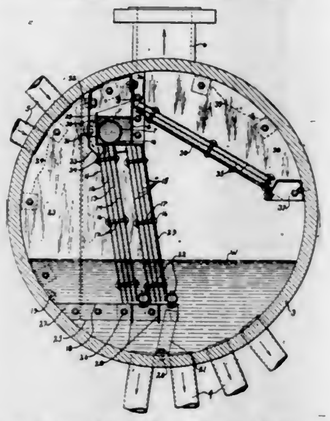
1. The method of securing a tubular member having an open end to a wall of a glass cup which comprises providing a cup with a tubular projection with one end of less diameter than the interior diameter at the open end of said member, positioning an edge of said tubular member adjacent to an end of the projection, creating a zone of heat about said edge to render plastic the end of said projection and in forcing together said projection and said member to cause said plastic end of said projection to enter said member and intimately unite the glass with the interior wall of said member.

2,075,058
ROOFING ELEMENT
Thomas Robinson, Smithtown, N. Y., assignor to Lancaster Processes Inc., New York, N. Y., a corporation of New York
Application December 16, 1935, Serial No. 54,645
11 Claims. (Cl. 108—8)



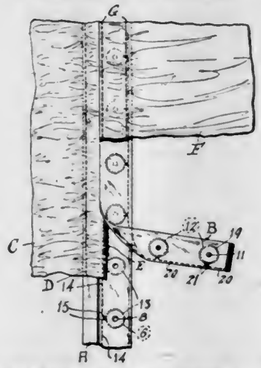
1. A building product which comprises a body made wholly of hardened plastic material and capable of having nails driven therethrough, said body being of decreasing thickness from one end to the other and containing a series of elongated parallel air chambers, said chambers being closed and of progressively decreasing cross-sectional area from the thick end of the body toward the thin end, said chambers also terminating a substantial distance short of the thinner end of the body to provide a solid section at that end through which nails may be driven.

2,075,059
BOILER DRUM EQUIPMENT
Fay Harry Rosencrants, Scarsdale, N. Y., and Albert Charles Weigel, East Orange, N. J., assignors to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware
Application May 7, 1934, Serial No. 724,240
16 Claims. (Cl. 122—491)



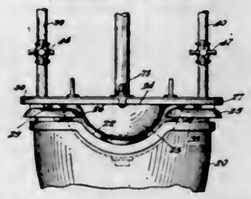
1. In a steam drum for a boiler having a steam inlet and a steam outlet, a screen positioned in the path of steam flow from the inlet to the outlet, said screen being inclined from the vertical toward the inlet side, means cooperating with the screen for causing substantially all of the steam entering the drum through the inlet to flow through the screen, and a boiler feed water inlet extended into the drum and delivering feed water to the screen in an upper portion thereof to flow downwardly over the screen.

2,075,060
SNAP FASTENER TAPE
Leo Roseman, Newark, N. J.
Application March 14, 1933, Serial No. 660,626
5 Claims. (Cl. 2—265)



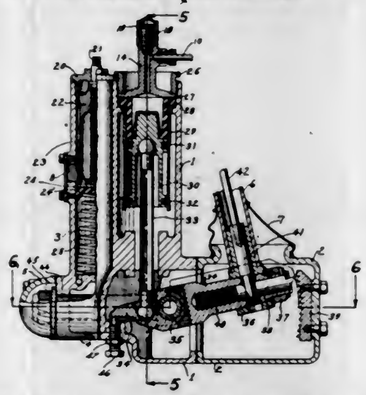
1. Snap fastener tape comprising a strip of fabric having a plurality of plies, snap fastener elements arranged between two adjacent plies in spaced relation in a row longitudinally of the tape, and a single continuous line of stitches passing through said two plies and including portions each running between two adjacent fastener elements longitudinally of said strip in spaced relation to one side of said row of fastener elements, other portions, one encircling each fastener element at its perimeter with the ends of said portion in close relation to each other, and lateral portions connecting the ends of said longitudinal portions of said line of stitches with the adjacent portions which encircle said fastener elements.

2,075,061
COMBINED WATER CLOSET AND BIDET
Ippolito Salvoni, New York, N. Y., assignor of forty-four per cent to Riccardo Salmona and twelve per cent to Edward Q. Jackson, both of New York, N. Y.
Application May 23, 1935, Serial No. 23,073
7 Claims. (Cl. 4—7)



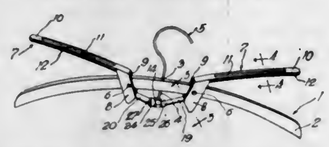
1. As a new article of manufacture, a water closet bowl comprising a basin like structure having the upper part of its front wall portion cut off to form a depression centrally located with respect to the longitudinal axis of said bowl.

2,075,062
SELECTIVE CONTROL AND COMPENSATOR UNIT FOR HYDRAULIC BRAKES
Claude Sauzedde, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation, Detroit, Mich., a corporation of Michigan
Application May 19, 1932, Serial No. 612,175
11 Claims. (Cl. 188—16)



1. For fluid-pressure wheel-braking systems, a unitary selective-control structure comprising a housing integrally embodying a fluid-supplying compensator cylinder and housing-wall annular supports for two removable open-ended compressor cylinders; piping and valved-fitting connections affording means of communication between said compensator and compressor cylinders; sealed-head pistons reciprocable in said cylinders; means for actuating piston in said compensator cylinder to force braking fluid therefrom into said compressor cylinders when valves in said valved fittings are open and to discharge entrapped air from compressor cylinders when bleeder valves in said valved fittings are open; mechanism within and protected by said housing, for moving pistons in said compressor cylinders so as to put braking fluid therein under pressure; said mechanism comprising an externally-disposed manually-operated control member attached at its base to a bifurcated lever member protectively enclosed by a detachable extension of said housing and so mounted as to permit of crosswise and fore-and-aft oscillatory movement of said control member, with ball-ended piston rods resting in hemispherically-shaped sockets in the toe ends of said bifurcated lever member and in underside of said pistons, rearward movement of said manually-operated control member serving, through connected mechanism, to force said compressor pistons inwardly and compressing braking fluid in both compressor cylinders equally and simultaneously and also, at will, to establish in said compressor cylinders and in wheel-braking mechanism connected thereto by piping, unequal pressures and correspondingly unequal braking effects whereby aircraft moving on ground may be swerved to right or lift, as desired, and means for locking said control member and mechanism attached thereto in any desired operative position.

2,075,063
COAT HANGER
Hans Martin Schliestedt, Chicago, Ill.
Application November 22, 1935, Serial No. 51,135
5 Claims. (Cl. 223—93)



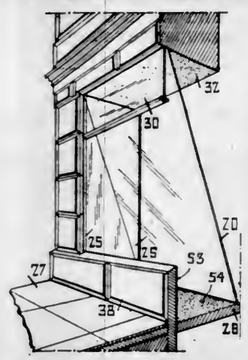
1. A hanger comprising a supporting bar, a hook slidably mounted in said bar, a pair of opposed clamping members pivotally mounted on said bar on opposite sides of said hook, a pair of leaf springs arranged in superimposed relation, one of said springs having the outer end thereof connected to one of said clamping members, the other leaf spring having connection to the other of said clamping members, and means forming connection between said leaf springs and said hook whereby movement of said hook will act to move said clamping members into open or closed position.

2,075,064
DIRECTION CONTROL MECHANISM FOR WELL DRILLING TOOLS
James H. Schumacher and Willis C. George, Ventura, Calif.
Application May 26, 1936, Serial No. 81,877
10 Claims. (Cl. 255—1)

1. In combination with a rotary drill stem through which circulation fluid is adapted to be forced, means providing laterally directed discharge ports through the drill stem near its bottom through which the circulation fluid may be discharged, and means operable upon the drill stem deviating from the vertical for causing the rate of discharge to decrease through the ports as they become directed toward the position the drill stem should assume in returning to vertical whereby the discharge of circulation through ports otherwise directed during rotation will develop unbalanced reactionary forces upon the drill stem tending to return it to vertical.



2,075,065
DISPLAY WINDOW
Samu-el Ish-Shalom, Irving A. Aschheim, and Otto I. Bloom, New York, N. Y.
Application May 6, 1936, Serial No. 78,116
2 Claims. (Cl. 88—1)

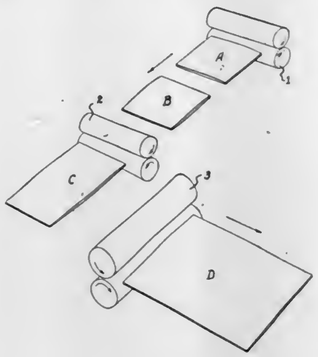


1. In a device of the character described, a flat, transparent pane through which articles placed behind it are visible to an observer standing in front of it, said pane being mounted at an inclination from the vertical so that its lower end is located further away from the observer than its upper end, and light-reflecting panels located at the lateral ends of the pane, the surfaces of said panels being disposed at an angle to those of the pane, each of said panels having parallel and vertical front and rear edges, the rear edges thereof being located at a distance behind the pane whereby a part of each of said panels is situated behind the pane.

2,075,066
METHOD OF ROLLING METAL
Russell R. Smith, Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application September 15, 1934, Serial No. 744,245
8 Claims. (Cl. 29—19)

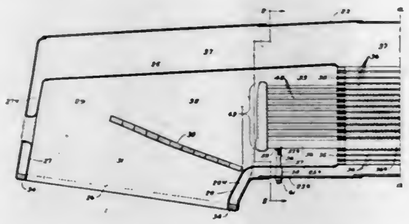
7. A method of preparing wide, convex pieces from narrow, transversely convex, thin bar stock,

which comprises cutting thin bar stock which is narrower than the desired width of finished sheets into pieces, rolling these pieces in a direction transverse to the direction of rolling of the thin bar stock, so as to widen them to at least the desired width of finished sheets while preserving their initial convexity in the initial direction,



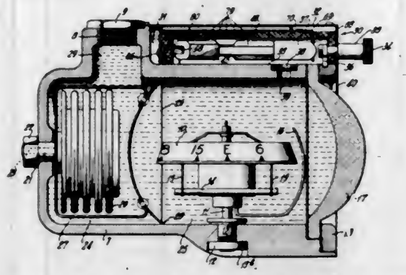
whereby pieces are provided which, if rolled in a direction parallel to the direction of original rolling of the thin bar stock, will have a dimension transverse to the direction of said final rolling, which is at least equal to the width of the desired finished sheets, and which will have a substantial convexity in the proper direction for such rolling.

2,075,067
GENERATION AND SUPERHEATING OF STEAM
Herbert W. Snyder, Lima, Ohio
Application April 27, 1934, Serial No. 722,670
6 Claims. (Cl. 122—481)



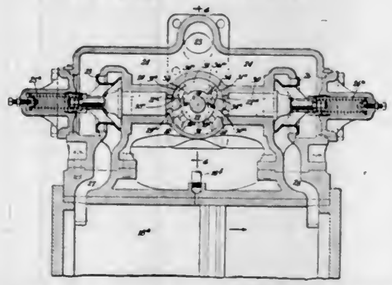
2. For a locomotive having flues interconnecting a fire-box chamber and a smoke-box chamber, a superheater including a plurality of superheater tubes passing from said smoke-box chamber through said flues and extending a substantial distance into the fire-box chamber, said tubes being of materially smaller diameter than said flues to provide passage for hot gases of combustion through the flues and around the tubes, fixed header means in the smoke-box to which the tubes are secured and longitudinally fixed, collector means for the superheated steam connected with said tubes adjacent the fire-box ends thereof and movably supported to provide freedom for expansion and contraction of the tubes longitudinally from their forward points of fixation, and means comprising piping connected with said collector means and extending through a flue to the smoke-box with similar freedom for longitudinal expansion and contraction.

2,075,068
ILLUMINATING MEANS FOR INDICATING INSTRUMENTS
Raymond K. Stout, Dayton, Ohio
Application January 6, 1933, Serial No. 650,520
12 Claims. (Cl. 240—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an indicating instrument having a casing provided with an auxiliary compartment adjacent thereto, a dial in said casing, means for illuminating said dial and comprising electrical contact means within said auxiliary compartment and adapted to be connected to a source of energy, a removable support also having contact means thereon adapted to engage the contact means of the compartment upon insertion of the support within said compartment, a lamp carried by said support connected to the contact means thereof so that said lamp becomes illuminated upon engagement of the contact means of the compartment and the support, and means for passing light from the lamp to the interior of the casing to illuminate the dial when the support is within the compartment.

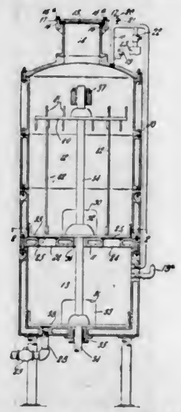
2,075,069
STEAM ENGINE
Hubert J. Titus, Paterson, N. J., and John S. Wallis, New York, N. Y., assignors to Franklin Railway Supply Company, New York, N. Y., a corporation of Delaware
Application May 14, 1928, Serial No. 277,772
23 Claims. (Cl. 121—142)



1. In engine mechanism of the character described, a valve chest, valve actuating means therein including movable cam means having a segment movable with relation thereto, and stop means co-operating with said segment to move it periodically upon movement of the cam means.

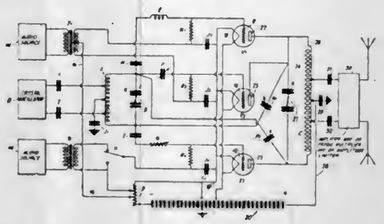
5. A single-expansion double-acting steam locomotive engine having a plurality of cylinders with their pistons, respectively of substantially equal diameters and equal strokes; for each cylinder, main steam distribution valve mechanism and steam portage controlled thereby and opening into the two ends of the cylinder; valve gear means operatively connected with said mechanisms for actuating the same in timed relation with the stroke of the pistons and set to effect a predetermined nominal or maximum normal cut-off of a given predetermined percentage value of the piston stroke which is substantially identical at both ends of each cylinder; the valve gear means having reversing apparatus for reversing the direction of operation of the locomotive; cranks to which the pistons are operatively connected, said cranks being angularly set one to another and the connecting means between the pistons and their cranks being thus positioned to assume relatively different angles at various points in the cycle of operation of the locomotive engine, whereby marked differences in the combined rotative effort of said plurality of cylinders considered together occur at different points in the cycle of operation of the locomotive engine, so that the combined rotative effort curve presents substantial differences between the high and low points thereof; mechanism for reducing the spread between some of the high and low points of the combined rotative effort, during the lower range of operating speeds of the locomotive, including means for altering the effective cut-off point of said distribution valve mechanism at one end of one cylinder as compared with said predetermined normal cut-off of the distribution valve mechanism at the corresponding end of another cylinder without altering the total stroke of the valve mechanism; said means being so arranged that the total work of the cylinders may be increased to produce a higher average tractive power without lowering the true factor of adhesion of the locomotive; and means for rendering said alteration of cut-off ineffective during the higher range of operating speeds of the locomotive.

2,075,070
APPARATUS FOR RENDERING AND REFINING FATS
Charles B. Upton, Piqua, Ohio
Application August 2, 1933, Serial No. 683,348
6 Claims. (Cl. 87—13)



6. A rendering and refining kettle comprising a steam jacketed casing subdivided by a steam jacketed partition into superposed compartments of substantial depth, the upper compartment being of a size to hold a substantial charge of fat bearing solids, and the lower compartment being of a size to hold a charge of a solid refining agent and also all of the fats that can be liberated from said fat bearing solids, a separate air tight discharge door for each compartment adjacent the floor of that compartment for discharging the contents of that compartment outside of the casing without passing through the other compartment, means for heating each compartment under a partial vacuum, the floor of the upper compartment having substantially flush with its upper surface a drain opening into the lower compartment with such restrictions as to retain substantially all solids in the upper compartment and drain free grease released in the upper compartment continuously into the lower compartment, an agitator in each compartment with a portion moving in close proximity to the floor of that compartment, and means for withdrawing free grease when desired from the lower compartment, whereby fats may be rendered in the upper compartment, the solids all retained in that upper compartment, the free grease therefrom drained continuously into the lower compartment, there immediately mixed with solid refining materials, and at the end of the treatment of said charge of fat bearing material, the refined fat may be withdrawn and filtered to separate it from some of the refining materials, and the solids of said compartments removed separately and without mixing with one another.

2,075,071
MODULATION
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 23, 1932, Serial No. 624,258
23 Claims. (Cl. 179—15)



1. Signalling apparatus comprising a pair of tank circuits tuned to the same frequency, means for impressing high frequency oscillations on one of said tank circuits, a phase modulator and an amplitude modulator each having their input circuits connected to said last named tank circuit and their output electrodes connected to the other of said tank circuits, and a source of signalling potentials connected with each of said modulators.

2,075,072
SPRING TERMINAL CLIP
Michael Wachsman, Brooklyn, N. Y.
Application October 31, 1935, Serial No. 47,539
1 Claim. (Cl. 173—259)



A terminal connector of the character described consisting of a strip of conducting material one end of which forms an angularly bent base having a hook cut out and bent upwardly therefrom, the other end of the strip being bent

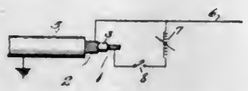
back upon the base in a loop to form a depressible spring clip arm ending in downwardly curved spaced hook fingers which latter, when depressed into operative position, form lower conductor retaining fingers to each side of the said bent up hook which latter forms an upper cooperating conductor retaining finger, the base being curved downwardly to each side of the said bent up hook to form depressions for receiving the said spaced fingers when the latter are depressed as aforesaid whereby to provide a relatively large space for inserting a connector between the said upper and lower retaining fingers in a direction towards the said loop, the said spring clip arm having a clearly defined flat thumb rest portion between the said loop and the said spaced fingers, the latter and the bent up hook pointing in the same direction.

2,075,073

ELECTRIC CABLE

John Francis Watson, Belvidere, England, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey

Application March 11, 1930, Serial No. 434,854
4 Claims. (Cl. 171—97)



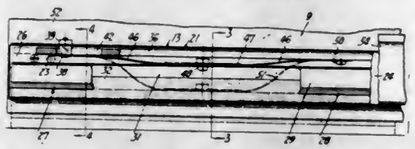
4. In combination with a source of electric energy, a split electric conductor, the sections of which are insulated from each other, connections for connecting said conductor sections to said source of electric energy, means for disconnecting one of said sections from said electric energy source whereby all of the current flows through the other conductor sections, and variable means in series with said source of electric energy and one of the conductor sections for varying the current flowing in said section without varying the current load on the cable and with current flowing in all of the conductor sections to effect a variation in the current load on one section with respect to the current load on the other conductor sections.

2,075,074

CLOSURE

Nicholas H. Wierk, Jr., Oakland, Calif.

Application March 18, 1935, Serial No. 11,610
1 Claim. (Cl. 20—68)



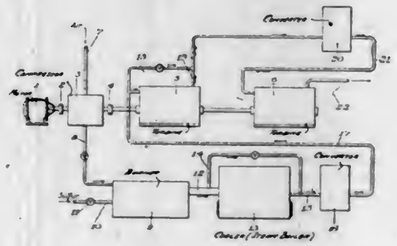
A closure for a door comprising a frame, a sealing strip movable bodily with respect to said frame, a plurality of apertured blocks on said frame, an actuator having slots therein encompassing said blocks to guide said actuator, a plurality of leaf springs each being perforated at one end adjacent to one of said blocks, and being secured at the other end to said actuator and adjacent the center to said sealing strip, and a common fastener for each of said springs passing through the perforation therein, through the aperture in said block and through said frame.

2,075,075

METHOD AND APPARATUS FOR THE MANUFACTURE OF SULPHURIC ACID

Fred C. Zeisberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application August 13, 1935, Serial No. 35,937
9 Claims. (Cl. 23—176)



4. A method for the manufacture of sulphuric acid, which comprises entering a hot sulphur-dioxide-air mixture into a catalytic chamber under pressure whereby to oxidize the bulk of the sulphur dioxide to sulphur trioxide, with a consequent rise in temperature, and conducting the exit gases from the catalytic chamber through a gas turbine, whereby to cool the same to a predetermined optional temperature while performing useful work.

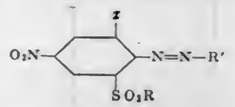
2,075,076

MONOAZODYESTUFFS

Paul Zervas, Cologne-Mulheim, and Heinrich Clingestein, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 11, 1935, Serial No. 6,090. In Germany February 24, 1934
4 Claims. (Cl. 260—92)

1. Azodyestuffs of the general formula:



wherein x stands for an etherified hydroxy group, R stands for a substituent selected from the group consisting of alkyl, aryl, aralkyl, alkoxy, aryloxy, aralkoxy, amino and alkyl-, aryl- and aralkyl-amino groups, and R′ stands for the radical of a 2-amino-napthalene sulfonic acid which has been coupled in an acid medium, dyeing wool generally even violet to blue shades of good fastness to fulling.

2,075,077

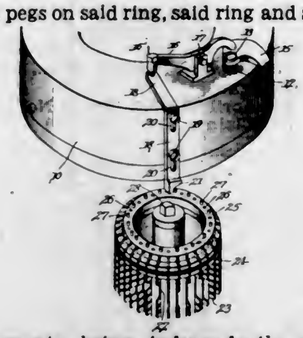
KNITTING MACHINE

Harry B. Aaronson, Camden, N. J., assignor to H. Brinton Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 3, 1934, Serial No. 733,691
7 Claims. (Cl. 66—50)

6. A pattern wheel having strip-like removable pattern elements arranged about its periphery parallel to the axis of the wheel, said pattern elements having butts extending outwardly therefrom, a ring secured to one end of the wheel, and

pattern pegs on said ring, said ring and said strip-



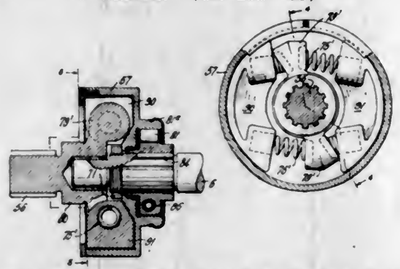
like elements being independently removable from said wheel substantially as set forth.

2,075,078

DRIVING MECHANISM

Joseph W. Allen, East Orange, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Original application January 28, 1932, Serial No. 589,516. Divided and this application January 26, 1933, Serial No. 653,747
7 Claims. (Cl. 192—48)



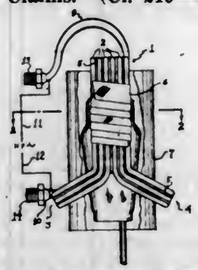
7. In a device of the class described, a driving member, a driven member, a friction clutch connecting said members including a plurality of friction shoes and a drum engaged by said shoes, resilient means for transmitting the drive from said driving member to said friction shoes and an overrunning clutch having an outer race integrated with said drum and an inner race integrated with said driven member.

2,075,079

INDUCTION HEATING COIL

Homer G. Anderson, Newtonville, Mass., assignor to Raytheon Production Corporation, Newton, Mass., a corporation of Delaware

Application January 29, 1935, Serial No. 3,930
4 Claims. (Cl. 219—47)



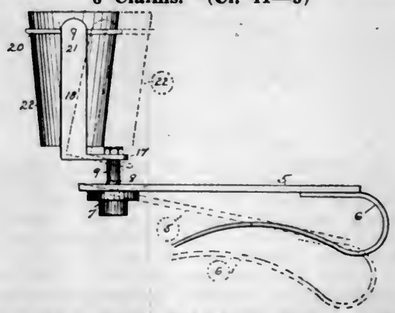
1. An induction heating coil comprising a plurality of turns electrically connected in series and lying in parallel planes, each coil having a corresponding portion flared outwardly to lie in a plane at an angle to said parallel planes whereby a pocket is formed within the turns of the coil for receiving an object extended perpendicularly to the longitudinal axis of said coil.

2,075,080

UNIVERSALLY MOUNTABLE CONTAINER

James S. Baker, Oklahoma City, Okla., assignor of twenty-five per cent to Minnie E. Baker, fifty and one-half per cent to Mary Barclift, and twenty-four and one-half per cent to Julia Vodiska, all of Oklahoma City, Okla.

Application May 28, 1936, Serial No. 82,291
6 Claims. (Cl. 41—5)



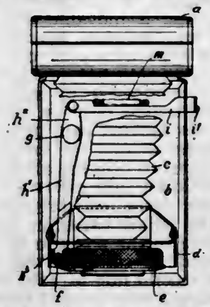
2. In a device as set forth, the combination with a manually controllable element, of a bearing secured thereto, a staff mounted in said bearing, a head carried thereby, a stud underswinging said head, a housing having a well, plural series of anti-friction balls in said well and between which said head moves for anti-frictionizing and stabilizing the staff, container carrier carried by said staff, and adapted for movement relative to the manually controllable element, and adapted to maintain a position at right angles to the plane of the manually controllable element, means to retain the container axially offset from the axis of the staff, a retainer swivelled with relation to the container-carrier, and a container supported by the swivelled retainer, and a hand grip for said manually controllable element.

2,075,081

FOLDING CAMERA

Árpád Barényi, Berlin-Lichterfelde, Germany, assignor to Voigtländer & Sohn Aktiengesellschaft, Brunswick, Germany, a joint-stock company of Germany

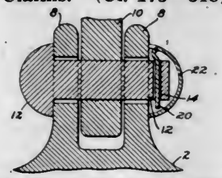
Application May 17, 1935, Serial No. 22,048
In Germany July 14, 1934
5 Claims. (Cl. 95—53)



1. In a photographic camera a shutter release comprising a release lever cooperating with the

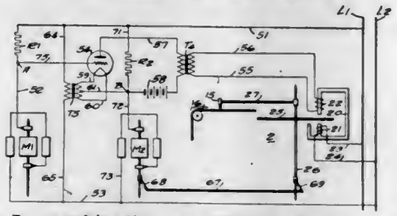
shutter mechanism, operating mechanism for said release lever mounted on the base board and having a member on said base board located, when the camera is open, close to the camera casing.

2,075,082
COTTER DEVICE
George M. Barrow, Derry, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 18, 1934, Serial No. 744,526
2 Claims. (Cl. 173—318)



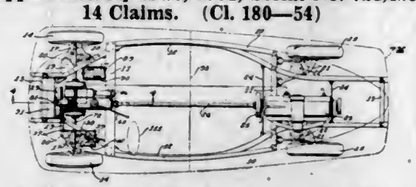
1. In combination with an electrical transmission line fitting including relatively movable elements and means for rotatably securing said elements together including a bolt having a rounded head portion and a transverse aperture through the remote end thereof, of means for maintaining said bolt in position comprising a pin proportioned to extend entirely through said aperture, and a body of cup shape integral with one end of said pin and enclosing the other end thereof and the remote end of said bolt for reducing the corona discharge from said pin and bolt end and for maintaining said pin in operative position.

2,075,083
ELECTRONIC CONTROL SYSTEM
Henry L. Bernarde, Kearny, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 11, 1933, Serial No. 660,356
9 Claims. (Cl. 177—351)



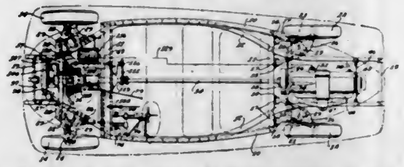
2. In combination, a primary electro-responsive device having a movable element directly responsive to an electrical condition, said device being of a type which effects variations of an impedance characteristic upon movement of said element, a member to be moved in accordance with the actuated position of said element, motive means for moving said member comprising two windings, means for energizing one of said windings from an original alternating potential, means including said electro-responsive device for deriving from said original potential a derived potential which varies in phase and amplitude according to the position of said element, means controlled by said derived potential for energizing the second one of said windings, and means for reducing said derived potential to zero when said member has been moved a proportional amount.

2,075,084
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 20, 1934, Serial No. 721,428
14 Claims. (Cl. 180—54)



1. A motor road vehicle comprising a frame, a pair of front steering and drive wheels connected with the frame, a pair of rear wheels connected with the frame, a motor supported by the rear end of the frame, a flywheel in advance of a line defined by the axes of the front pair of wheels, drive means connecting the motor with the flywheel, power transmission means connected in driving relation with the front wheels and in the same general longitudinal plane therewith, and clutch means between the flywheel and the transmission means, the position of said flywheel relative to the motor assisting in the longitudinal balance of the vehicle.

2,075,085
MOTOR VEHICLE
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 20, 1934, Serial No. 721,506
21 Claims. (Cl. 180—54)

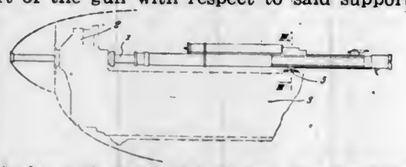


1. A motor road vehicle comprising a load carrying means, front and rear wheels supporting said load carrying means, a power plant at one end of the carrying means, engine accessories at the opposite end of the carrying means from the power plant, such arrangement of the accessories relative to the power plant serving to assist in the longitudinal balancing of the vehicle, drive mechanism between the power plant and the wheels at the opposite end of the load carrying means therefrom, said mechanism including a clutch adjacent the driven wheels, and drive means between the engine accessories and a portion of the driving mechanism between the engine and the clutch.

2,075,086
MACHINE PROVIDED WITH AN AUTOMATIC FIREARM
Marc Birkigt, Bois-Colombes, France
Application December 26, 1934, Serial No. 759,279
In Belgium November 20, 1934
12 Claims. (Cl. 89—37.5)

7. In combination, an automatic gun, a support for said automatic gun, at least one preliminarily stressed spring for elastically connecting a part of said gun to said support adapted to oppose recoil movements, the preliminary stressing of said spring being greater than the force

of normal recoil, and means for guiding another part of the gun with respect to said support so



as to keep the axis of said gun in substantially fixed relation with respect to said support.

2,075,087
AIRPLANE PROVIDED WITH AN AUTOMATIC FIREARM
Marc Birkigt, Bois-Colombes, France
Application December 26, 1934, Serial No. 759,280
In Belgium November 20, 1934
7 Claims. (Cl. 89—37.5)



4. In an airplane, a wing, a wing frame, at least one spar in said wing frame, a gun carried by said wing, means for fixing a part of said gun to said spar in such a manner that said part and said spar will be rigid at least on normal firing, and means carried by said wing for guiding another part of said gun in such a manner as to permit axial displacements of said other part, both of said means acting to maintain the axis of the gun in a substantially fixed position with respect to said wing.

2,075,088
MEANS FOR SILENCING GASEOUS CURRENTS
Joseph Blanchard, London, England, assignor of one-half to Cecil Gordon Vokes, London, England
Application November 30, 1935, Serial No. 52,434
In Great Britain December 18, 1934
11 Claims. (Cl. 181—41)



1. A silencer for pulsating gaseous currents including a series of elements each comprising an inlet passage, a second passage which has a substantially imperforate wall and into which said inlet passage projects with an appropriate opening to form an injector, an outer wall forming between itself and the wall of said second passage a space to which the end of said second passage remote from said inlet passage is open and upon some or all of the contents of which the injector formed by said inlet and second passages is effective.

2,075,089
ALUMINUM ALLOY
Walter Bonsack, Cleveland Heights, and John G. G. Frost, Cleveland, Ohio, assignors to The National Smelting Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 17, 1936, Serial No. 96,517
6 Claims. (Cl. 75—148)

1. An aluminum base alloy having a low coefficient of expansion and high thermal conductivity comprising silicon 9 to 15%, tin .3 to 3%, and the balance substantially all aluminum.

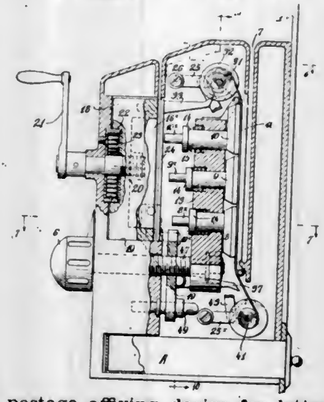
2,075,090
ALUMINUM ALLOY
Walter Bonsack, Cleveland Heights, and John G. G. Frost, Cleveland, Ohio, assignors to The National Smelting Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 17, 1936, Serial No. 96,518
8 Claims. (Cl. 75—146)

1. An aluminum base alloy having a low coefficient of expansion and high thermal conductivity, comprising 7% to 20% silicon, .3% to 3% tin, .1% to 2% magnesium, .5% to 3% zinc, and the balance substantially all aluminum.

2,075,091
ALUMINUM ALLOY
Walter Bonsack, Cleveland Heights, and John G. G. Frost, Cleveland, Ohio, assignors to The National Smelting Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 17, 1936, Serial No. 96,519
7 Claims. (Cl. 75—146)

1. An aluminum base alloy having a low coefficient of expansion and high thermal conductivity, comprising 7% to 15% silicon, .3% to 3% tin, .5% to 3% zinc, and the balance substantially all aluminum.

2,075,092
COIN CONTROLLED POSTAGE AFFIXING DEVICE FOR LETTERS
David H. Brook, Brooklyn, N. Y.
Application July 13, 1934, Serial No. 734,962
4 Claims. (Cl. 194—78)



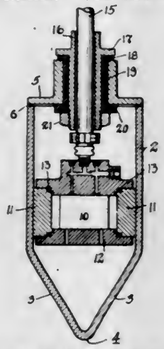
1. A postage affixing device for letters, comprising a casing having a passageway for insertion of a letter or other article to be acted upon, a supporting wall adjacent said passageway, a plurality of postage affixing members mounted forwardly of said passageway for movement, an actuating block movable toward and from said stamp members, coin passageways, coin supporting means below said passageways and adapted to support coins, each in register with a postage affixing member, means for adjusting said supporting means from a point exterior the casing, said adjusting means comprising a shaft passing through the casing, a manually operable handle exterior to the casing for rotating the shaft, and means carried by the shaft and engaging the supporting means and adapted upon rotation of the shaft to impart bodily movement to the latter toward and from the front wall of the casing, and means for moving the actuating block in reverse directions.

2,075,093

DEVICE FOR PACKING CONCRETE AND THE LIKE

Edward S. Cannon, East Cleveland, Ohio

Application July 25, 1935, Serial No. 33,177
5 Claims. (Cl. 259—1)



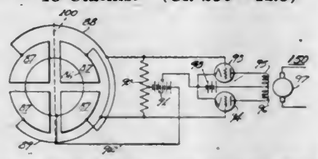
1. In apparatus of the character described, a fluid-reciprocated piston, an open-ended cylinder containing said piston, an impact-member in each end of said cylinder, a packing ring for each impact-member, and a casing about said cylinder unconnected thereto and maintaining assembly of said impact-member therein and externally having flattened material-engaging faces in orientation inclined to said reciprocated piston.

2,075,094

SIGNALING SYSTEM

Lewis W. Chubb, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 26, 1933, Serial No. 682,281
18 Claims. (Cl. 250—41.5)



10. In combination, means for sending light polarized in a selected plane, an analyzer in position to receive light from said means, means cooperating with said analyzer to produce a surface-distribution of illumination the intensity distribution in space of which is correlated to the selection of the plane of polarization and a photocell having light-sensitive elements so positioned relative to said illumination that changes in said distribution will alter the output of said photocell.

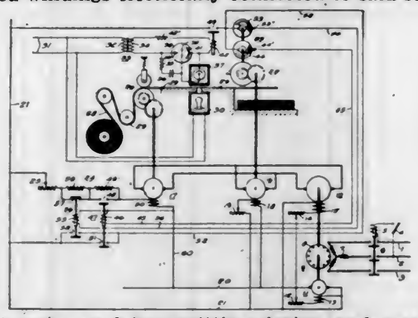
2,075,095

CUTTER REGISTER CONTROL

Oscar C. Cordes, Upper Darby, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 12, 1934, Serial No. 720,281
15 Claims. (Cl. 164—68)

1. In an electrical system of control for controlling the relative speeds of a pair of motors, in combination, an alternating-current motor, a second alternating-current motor, a dynamo-electric machine constituting a transmitting device, said second alternating-current motor constituting a receiving device, connections between said devices whereby said receiving device is responsive to the movements of said transmitting device, said connections including inductively related windings electrically connected to said sec-



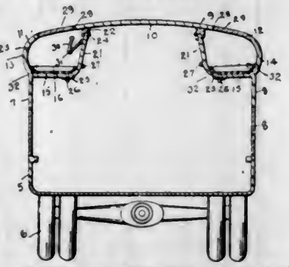
ond motor and transmitting device, and means for relatively displacing said windings as a function of the speed difference between said motors thereby maintaining a definite speed relation between said motors.

2,075,096

FIREPROOF BUS BODY

George Crommey, New York, N. Y.

Application July 16, 1935, Serial No. 31,625
1 Claim. (Cl. 296—37)



A fireproof bus construction, consisting of a wheeled frame provided with upright sides and a roof supported thereby, the roof being provided on one side thereof with a shelf supported below the same, a series of partitions arranged transversely of the shelf dividing the same into a series of baggage holding compartments, each of said partitions consisting of metal plates spaced apart to provide a fire resisting chamber between the opposite sides thereof, non-combustible material disposed in each partition chamber, transverse channels connected to the upper edge of each partition, the shelf consisting of metal plates spaced apart to provide an air space therebetween, and means connecting the lower end of each partition to the shelf, the roof having a light opening over each baggage chamber, a glass panel arranged therein and adapted to be ruptured by a fire starting in the chamber, and a door for each chamber to seal the same.

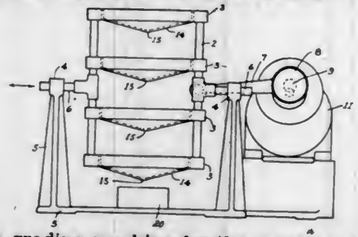
2,075,097

GRADING MACHINE

Harvey P. Dawrs, Lewiston, and Henry R. Power, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application August 25, 1932, Serial No. 630,346
6 Claims. (Cl. 209—237)

1. A screen for the separation of granular material comprising a frame having light sides and ends and a relatively larger base, a groove in said base, means for locking fabric in said frame comprising a cord which retains the outer portions of said fabric in said groove, and bumpers on the ends of said frame for distributing jars to the material being separated by the screen.



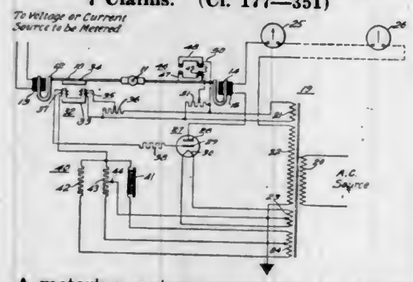
4. A grading machine for the rapid separation of small samples of granular material into a plurality of sizes, said machine comprising a cradle mounted for reciprocation in a horizontal direction with respect to a stationary base, a plurality of parallel sliding bars rigidly attached to said cradle and extending from opposite sides thereof, guiding and supporting members for said sliding bars, said members being mounted on said base and having bearing surfaces for horizontal reciprocatory movement of said sliding bars, a plurality of screens mounted in superimposed relationship within said cradle for limited horizontal movements parallel to the direction of reciprocation of the cradle, opposite end stops for each screen mounted on the frame of said cradle, the center line of the opposite end stops for a given screen being parallel to the direction of reciprocation of the cradle and the distance between said opposite end stops being manually adjustable, and means for reciprocating said cradle in a horizontal direction.

2,075,098

METERING SYSTEM

John W. Dawson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 19, 1934, Serial No. 726,563
7 Claims. (Cl. 177—351)



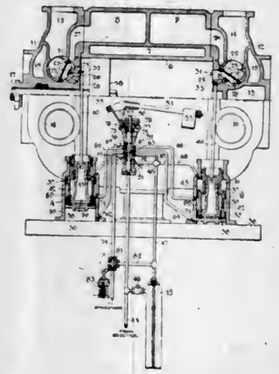
1. A metering system comprising, in combination, a balance arm, means responsive to a quantity to be measured for moving said arm from a balanced position, variable reactive means mechanically connected to be responsive to the movement of said arm from said balanced position tending to restore it to said position, means responsive to said last named means for indicating the force necessary to restore said arm to the balanced position, and means for applying an increasing balancing force to said arm proportional to the movement thereof from the balanced position for counter-balancing the increasing forces tending to continue movement of the balance arm from the balanced position.

2,075,099

COMPRESSOR

Herbert W. Dow, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application July 6, 1936, Serial No. 89,181
9 Claims. (Cl. 230—21)



1. The combination of a compressor having a working space; means forming a clearance pocket; means forming an inlet passage; a combined valve and valve housing controlling communication between said working space on the one hand and the clearance pocket and inlet passage on the other hand, said housing being shiftable between a first position in which it disconnects the clearance pocket from the working space, a second position in which it connects the same, and a third position in which it opens a free connection between the working space and the inlet passage; and automatic inlet valve means mounted in said housing for controlling one way flow from the inlet passage to the working space in said first and second positions.

2,075,100

DEHYDROGENATION OF ALIPHATIC ETHERS

Henry Dreyfus, London, England

No Drawing. Application April 18, 1933, Serial No. 666,654. In Great Britain April 30, 1932
12 Claims. (Cl. 260—106)

1. Process for the manufacture of oxygenated organic compounds which comprises contacting an aliphatic ether in the vapor phase with a dehydrogenation catalyst, which is without substantial dehydrating action and having a high surface/volume ratio, at a temperature above 200° C. in the presence of at most a small quantity of an oxidizing gas.

2,075,101

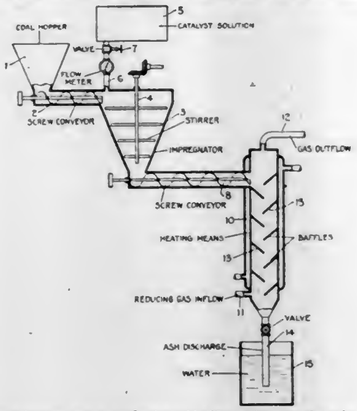
TREATMENT OF CARBONACEOUS MATERIALS WITH REDUCING GASES

Henry Dreyfus, London, England

Application January 9, 1934, Serial No. 705,900
In Great Britain February 24, 1933
6 Claims. (Cl. 196—53)

1. Process for the manufacture of hydrocarbon oils and other substances, which comprises impregnating coal with a liquid medium containing a substance selected from the group consisting of oxyacids of phosphorus and salts of oxyacids of phosphorus, and subsequently subjecting the coal

to the action of a reducing gas at an elevated



temperature and substantially atmospheric pressure.

2,075,102

ELECTRIC ELEVATOR SYSTEM

William F. Eames, Edgewood, and William R. Harding, Wilkinsburg, Pa., assignors to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Application August 24, 1934, Serial No. 741,270

24 Claims. (Cl. 177—336)



1. In a system for operating a plurality of elevator cars past a plurality of floors, passenger operated call registering means for each of said floors, a signal for each of said cars common to all the floors, and means comprising means responsive to operation of the call-registering means for any floor for immediately operating the signal for the nearest approaching car for said floor, and for preventing operation of the signals for the other cars.

2,075,103

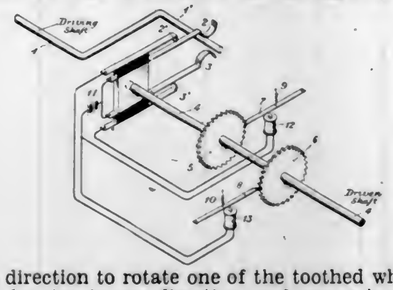
APPARATUS FOR CONVERTING CONTINUOUS MOTION INTO INTERRUPTED MOTION

Paul Griffith Edwards, Verona, and Hugh Franklin Shoffstall, Maplewood, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York

Application July 18, 1935, Serial No. 32,074

2 Claims. (Cl. 172—293)

1. Apparatus for converting the motion of a continuously rotating shaft into interrupted motion of another shaft mechanically coupled to the continuously rotating shaft comprising two toothed wheels mounted upon the driven shaft, means including a resilient switching device mounted upon and carried by the driven shaft and a circuit controlled by said device and responsive to the rotation of the driving shaft in



one direction to rotate one of the toothed wheels step by step in one direction, and means including another resilient switching device mounted upon and carried by said driven shaft and a circuit controlled by the latter device and responsive to the rotation of the driving shaft in the other direction to rotate the other toothed wheel step by step in the opposite direction.

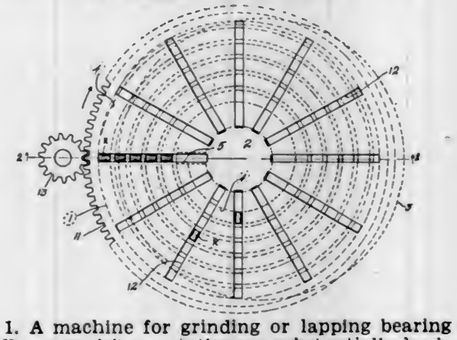
2,075,104

METHOD OF AND MACHINE FOR GRINDING OR LAPPING BEARING ROLLS

Alvin B. Einig, Cleveland Heights, Ohio, assignor to The Motch & Merryweather Machinery Company, Cleveland, Ohio, a corporation of Ohio

Application February 6, 1935, Serial No. 5,272

9 Claims. (Cl. 51—278)



1. A machine for grinding or lapping bearing rolls, comprising a stationary substantially horizontally disposed roll support having a spiral track therein of a cross-sectional contour to receive the rolls to be ground or lapped, the radially outer side wall of said track being charged with an abrasive, a rotatable roll carrier mounted on said support and adapted to cause said rolls to traverse said track, and a rotatable abrasive wheel disposed above said carrier.

2,075,105

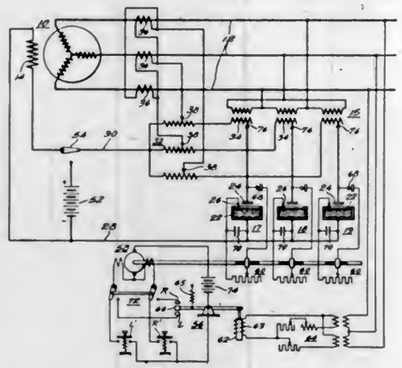
REGULATING SYSTEM

Robert D. Evans, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 10, 1935, Serial No. 15,592

4 Claims. (Cl. 171—119)

4. In combination with a synchronous machine having a field winding and polyphase armature windings, a power circuit connected with said armature windings, a polyphase rectifier, a circuit including said rectifier for supplying to said field winding an energizing current determined by the power-circuit voltage, a reactor serially connected in each of said circuit phases, and a cur-



rent transformer connected intermediate each phase of the power circuit and the machine armature winding and adapted to so circulate its output current through said reactor as to produce thereacross a voltage which aids that of the power circuit in supplying current to said field winding.

2,075,106

MOISTUREPROOFING COMPOSITION

Charles R. Fordyce, Rochester, N. Y., and Harold F. Robertson, Pittsburgh, Pa., assignors, by mesne assignments, of one-half to Carbide & Carbon Chemicals Corporation, a corporation of New York, and one-half to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application May 24, 1932, Serial No. 613,332

8 Claims. (Cl. 134—26)

1. A moistureproofing composition for sheets or films composed essentially of cellulose acetate which comprises a substantial proportion of a vinyl resin resulting from the conjoint polymerization of vinyl chloride and vinyl acetate, a paraffin wax melting above about 50° C., oxidized ester gum and di(beta-butoxyethyl) phthalate dissolved in a liquid which is substantially a nonsolvent for cellulose acetate and which contains a minor proportion of beta-butoxyethyl alcohol.

2,075,107

MIXED ESTERS AND PROCESS FOR MAKING THE SAME

Ralph B. Frazier, Swissvale, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application December 10, 1931, Serial No. 580,228

6 Claims. (Cl. 260—8)

1. Mixed esters in which the hydroxyl groups of a glycol of the group consisting of alkylene and polyalkylene glycols of the 1,2 series are reacted with the carboxyl group of an acid ester of a polybasic carboxylic acid and one of the group consisting of monoaryl and monoalkyl ethers of alkylene and polyalkylene glycols of the 1,2 series, said acid ester having one free carboxyl group.

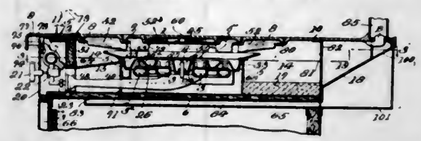
2,075,108

RANGE

William H. Frick, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey

Application May 8, 1935, Serial No. 20,466

7 Claims. (Cl. 126—39)



1. In a gas stove, a combustion chamber and a solid cover therefor, a burner chamber approximately centrally located within said combustion chamber and having an open upper end terminating short of the under side of said cover, a burner in said burner chamber, an air conduit having one end in communication with the atmosphere and its opposite end with said burner chamber, a multi-piece cap for said burner chamber and the space between said cap portions providing openings to permit the passage of flames burned at said burner, said cap having a peripheral portion flared outwardly and upwardly from the upper ends of the walls defining said burner chamber, said cover at its under side provided with downwardly extending fins radially disposed in respect to said burner chamber and extending from a point centrally above said burner chamber to points adjacent the periphery of said top to provide a plurality of heat conducting passageways, said flared portion of the said burner cap throughout a portion of the lengths of said passageways acting to reflect and deflect heated air and products of combustion into said passageways, a gas supply for said burner, and a flue outlet for said combustion chamber.

2,075,109

PREPARATION OF ACYLATED POLYALKYLENE POLYAMINES

Hermann Friedrich, Leverkusen-I. G. Werk, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application April 5, 1935, Serial No. 14,957. In Germany April 7, 1934

11 Claims. (Cl. 260—124)

1. The process which comprises causing a polyalkylene polyamine to react with an amide of a monocarboxylic acid containing more than 6 carbon atoms directly connected with each other in aliphatic linkage, which amide splits off a volatile base during the reaction.

2,075,110

EXTENSIBLE STEERING WHEEL POST

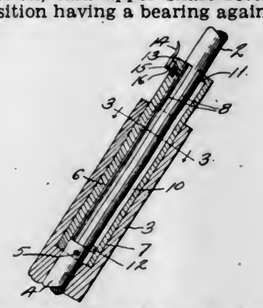
Richard E. J. Garretson, Gering, Nebr., assignor of one-half to Eugene S. Starrett, Hartville, Wyo.

Application March 19, 1935, Serial No. 11,862

1 Claim. (Cl. 74—493)

An extensible steering post comprising a stationary casing having a cylindrical chamber in the upper end thereof and a cylindrical bearing chamber extending downwardly from the lower end of the upper chamber and of smaller diameter than the upper chamber, a lower shaft section rotatably mounted in the lower bearing chamber and extending upwardly into the upper chamber, a sleeve rotatably mounted in the upper chamber and of greater outside diameter than the lower shaft section, said lower shaft

section being anchored in the lower end of the sleeve, the upper end of the sleeve terminating above the casing, an upper shaft section, longitudinal rib and groove connections between the inner periphery of the sleeve and the upper shaft section and extending entirely around the upper shaft section, said upper shaft section when in lower position having a bearing against the lower



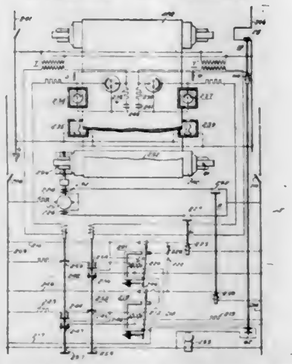
shaft section, a rib and groove stop connection between the sleeve and upper shaft section for limiting the upward movement thereof, a spring actuatcd detent carried by the sleeve above the casing, said spring actuated detent cooperating with alined apertures in one of the ribs of the upper shaft section for holding the upper shaft section in adjusted positions.

2,075,111

WIRE GUIDE CONTROL

Finn H. Gulliksen, Wilkinsburg, and Stephen A. Staege, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 14, 1933, Serial No. 651,722
5 Claims. (Cl. 74—241)



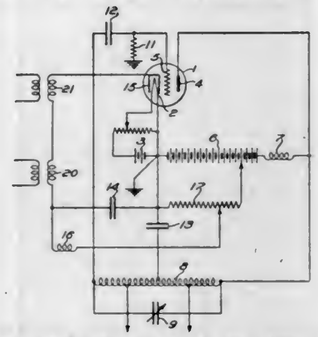
2. In a control system for a machine operating on webs of material that are subject to meander from a desired path of travel, a plurality of rolls for supporting and causing a web of material to travel in a given direction, photoelectric means disposed adjacent the edges of the web, lights disposed to normally act on said photo-electric devices but which cease to act on said photo-electric devices when the web meanders to a position to intercept the light passing to said devices, and means responsive to the operation of said photo-electric devices for causing the axis of one of said rolls to be disposed at an angle to the axes of the other rolls to thus shift the web back to the desired path of travel.

2,075,112

VACUUM TUBE CIRCUIT FREQUENCY CHANGING

Ralph N. Harmon, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 14, 1932, Serial No. 622,389
6 Claims. (Cl. 250—36)



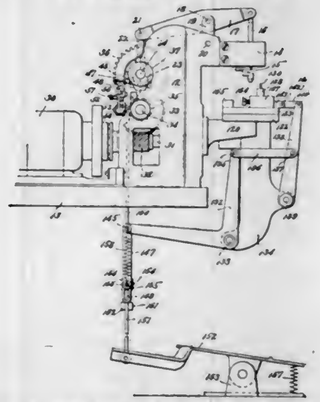
4. In combination with an electrical discharge device having a cathode, an anode and at least two control electrodes, a source of energy and a connecting circuit between said anode and cathode, a coupling between said circuit and one of said control electrodes adapted to cause said discharge device to produce spontaneous electrical oscillations, a resonant means connected in said circuit to determine the frequency of said oscillations, a source of periodic energy in circuit with the other of said two control electrodes, the resonant frequency of said oscillations being substantially a multiple of the frequency of said last-named source.

2,075,113

WORK SUPPORT FOR RIVETING MACHINES

Arthur R. Havener, Wayland, Mass., assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass., a corporation of Massachusetts

Application November 20, 1934, Serial No. 753,854
13 Claims. (Cl. 218—2)



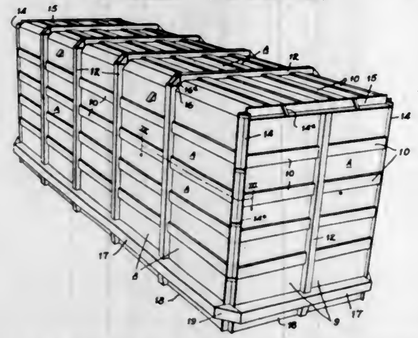
1. In a machine of the class described, the combination of a work support mounted for horizontal reciprocation and normally in an inoperative position, a pivotally mounted bell-crank lever operatively connected at one end to said work support, a foot treadle, a treadle rod, resilient connections between said treadle rod and the other end of said lever whereby a partial depression of said treadle moves said work support into operative position and means carried by said treadle rod whereby a further depression of said treadle starts the machine in operation.

2,075,114

ANNEALING BOX

Percy E. Hunter and Kenneth J. Deahl, Pittsburgh, Pa.; said Deahl assignor to said Hunter

Application February 17, 1936, Serial No. 64,328
6 Claims. (Cl. 263—49)



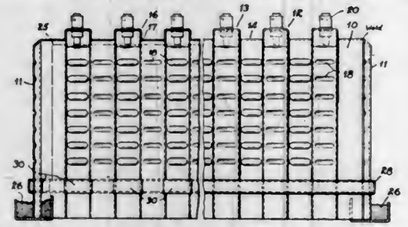
1. A sheet-metal annealing box comprising panels having corrugations formed therein, and hollow rib members disposed between adjacent panels, along lines extending transversely of the corrugations, and being welded to the edges of the panels and to the ends of the corrugations.

2,075,115

ANNEALING BOX

Percy E. Hunter and Kenneth J. Deahl, Pittsburgh, Pa.; said Deahl assignor to said Hunter

Application February 17, 1936, Serial No. 64,329
9 Claims. (Cl. 263—49)



1. An annealing box of sheet-metal, having channels formed in its walls, the web portions of the channels being provided with elongated depressions extending transversely thereof.

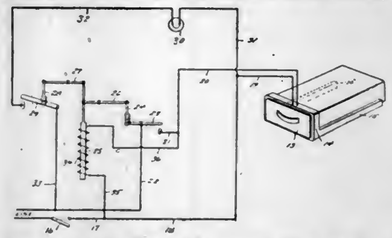
2,075,116

MEANS FOR DEFROSTING REFRIGERATORS

Julius A. Hussar, East Cleveland, Ohio

Application October 14, 1935, Serial No. 44,885
4 Claims. (Cl. 62—3)

1. In combination, in a refrigerator, a refrigerating unit including a freezing compartment, a heater adjacent the mouth of said compartment, means for energizing said heater, manual means for rendering said energizing means effective to energize said heater, automatic means for later rendering said energizing means ineffective, sig-



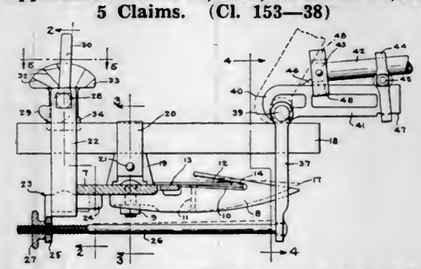
nal means, and means for operating said signal means substantially contemporaneously with the operation of said automatic means.

2,075,117

CUTTER BAR GUARD RESETTING DEVICE

Walter A. Johnson, Rochester, Minn.

Application March 14, 1935, Serial No. 11,043
5 Claims. (Cl. 153—38)



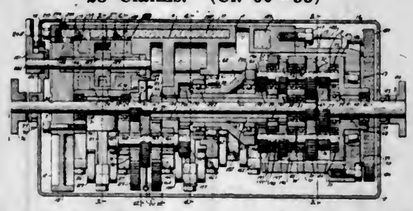
1. A device for resetting a guard and ledger plate of a mower or the like comprising a rectangular frame structure adapted to embrace the guard lengthwise and in a vertical plane therewith, said frame including an upper cross bar adapted to exert downward pressure at the rear of the guard, means depending from the bar to support the ledger plate, vertically adjustable means at the forward end of the bar to engage and lift the pointed front end of the guard, and means to prevent the vertically adjustable means from slipping forwardly out of lifting engagement with the guard point.

2,075,118

SPEED TRANSFORMER

George Krell, Sapulpa, and Guy M. Martinet, Tulsa, Okla.; said Martinet assignor to said Krell

Application November 13, 1933, Serial No. 697,724
28 Claims. (Cl. 60—53)



1. A speed transformer including driving and driven members, means operably connecting the driving and driven members to directly actuate the driven member, a plurality of motors each having different driving connection with the connecting means for simultaneously supplementing

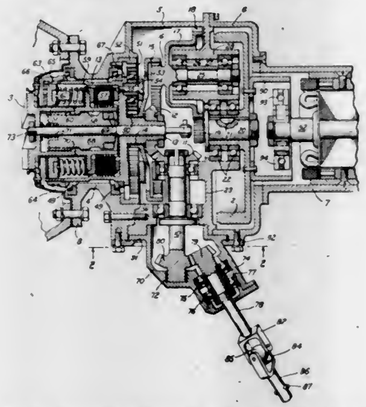
said driving connection between said members, and means actuated by the driving member for moving an energy transmitting medium at equal pressure to said motors irrespective of variation in speed of the driven member.

2,075,119

ENGINE STARTING MECHANISM

Raymond P. Lansing, Montclair, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application August 20, 1935, Serial No. 37,090
2 Claims. (Cl. 123—179)



1. In an engine starting mechanism of the type embodying a flywheel in which energy is stored for subsequent transmission to a member of the engine to be started, the combination with said flywheel and engine member of a gear train drivably connecting said flywheel and engine member, a housing for said gear train, means for accelerating said flywheel to store starting energy therein, a sub-housing for said accelerating means, and swivel mounting means for said sub-housing, said mounting means comprising a flange on said sub-housing, in engagement with the outer surface of said gear train housing, a sectional ring also engageable with the outer surface of said gear train housing to constitute a track along which said sub-housing flange may slide, and means accessible from the exterior of both said housings for holding said sectional ring in position.

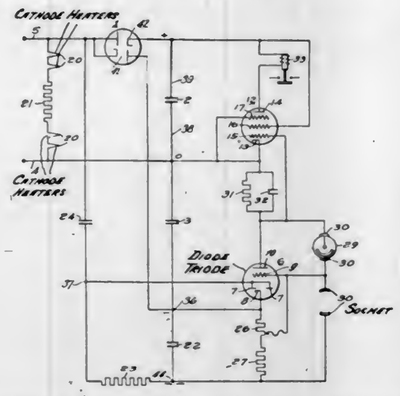
2,075,120

ELECTRONIC APPARATUS

Bernard E. Lenehan, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 23, 1935, Serial No. 7,929
15 Claims. (Cl. 250—41.5)

11. In a light relay energizable from an alternating-current source, an alternating-current supply circuit including a reference conductor, a voltage doubler comprising a pair of condensers and rectifying means for charging one of said condensers positively and the other negatively as compared to said reference conductor, a pair of coupled amplifying discharge devices energized from said condensers, one of said discharge devices having a diode discharge path, means for producing a biasing voltage more negative than said negatively charged condenser comprising a mutual impedance connected in parallel to said diode discharge path and capacitance means connecting said mutual impedance in insulated relationship to said supply circuit, and a photo-electric element for controlling said amplifying discharge devices.

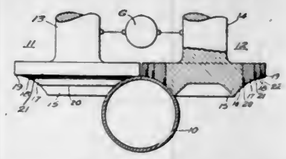


2,075,121

RESISTANCE WELDING APPARATUS

Gerhard P. Lessmann, Forest Hills, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 15, 1935, Serial No. 36,311
19 Claims. (Cl. 219—4)



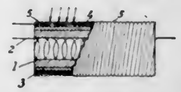
17. An electrode for conducting current to a work piece to perform a resistance welding operation comprising a plurality of mutually engaging contact members characterized by the provision of an appreciable amount of contact resistance therebetween for controlling the distribution of current flow therethrough.

2,075,122

INDIRECTLY HEATED CATHODE

Siegmund Loewe and Bruno Wienecke, Berlin, Germany

Application May 26, 1931, Serial No. 540,185
In Germany May 28, 1930
4 Claims. (Cl. 250—27.5)



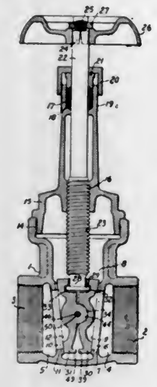
1. An indirectly heated electron emitting cathode for an electron discharge device comprising a heater filament, an insulating tube surrounding said heater filament, a metal layer surrounding said insulating tube, a further metal layer the coefficient of expansion of which is lower than that of the first metal layer surrounding the first metal layer and consisting of a spiral wire, and a highly emissive layer surrounding the spiral wire.

2,075,123

DOUBLE DISK GATE VALVE

Edmund H. Lunken, Hartsdale, N. Y., assignor to The Lunkenheimer Company, Cincinnati, Ohio, a corporation of Ohio

Application April 3, 1936, Serial No. 72,502
2 Claims. (Cl. 251—63)



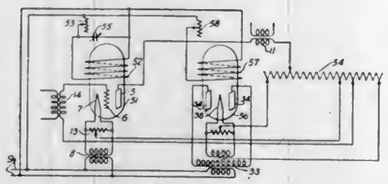
1. In a valve having seats adapted to be engaged by a pair of relatively movable valve disks connected to an axially movable valve stem having a head thereon; means for connecting said disks to said stem comprising a pair of sockets in said disks adapted to rotatably receive the head of said stem, and means of connection between said disks comprising complementary apertured projecting parts on each of said disks and a removable pin extending through said apertures, said disks having thereon cooperating stop projections on the opposite side of said pin from said sockets whereby to limit relative motion about said removable pin to retain the head of said stem in said sockets until said removable pin is removed.

2,075,124

ELECTRICAL SYSTEM

Frederick W. Lyle, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 13, 1934, Serial No. 752,818
9 Claims. (Cl. 250—27)



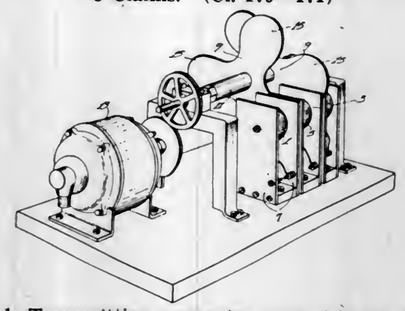
4. In combination with a rectifier and an electron discharge device drawing current therefrom, means for impressing on electron paths of said discharge device a magnetic field of the frequency of the alternating current supply of said rectifier.

2,075,125

BEACON SYSTEM

Forrest S. Mabry and Carl J. Madsen, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 9, 1934, Serial No. 729,818
8 Claims. (Cl. 179—171)



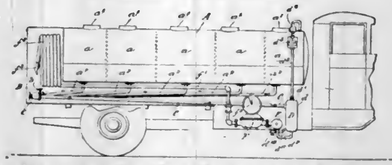
1. Transmitting apparatus comprising a local generator of high frequency energy, a pair of coils, means for connecting said local generator to said coils for feeding high frequency energy thereto, another coil disposed in inductive relationship to said pair of coils, said pair of coils being so wound as to induce into said other coil potentials which are 180° out of phase with each other, means for alternately shielding said other coil from each coil of said pair of coils, and means for transmitting energy to a remote point in accordance with the energy changes taking place in said other coil.

2,075,126

APPARATUS FOR THE MEASURED DISPENSING OF LIQUIDS

William L. Marden, Jackson Heights, N. Y., assignor to Neptune Meter Company, New York, N. Y., a corporation of New Jersey

Application May 26, 1936, Serial No. 81,792
3 Claims. (Cl. 221—67)



1. An apparatus for the measured dispensing of liquid comprising a supply tank, a container to which the liquid may be delivered from the supply tank, an automatic float control valve by which the discharge of liquid from the container may be controlled, a suction and discharge pump connected to the container, a meter connected to the pump, a vent pipe connected to the container and provided with an outwardly opening check valve, a by-pass from the chamber of the control valve to the discharge from the container, and an air release interposed in the connection between the pump and the meter.

2,075,127

CLARIFICATION OF MOLASSES

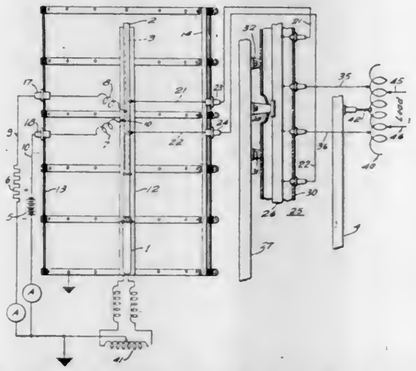
Morris W. Mead, Jr., Bloomfield, N. J., assignor to National Grain Yeast Corporation, Belleville, N. J.

No Drawing. Application April 27, 1936, Serial No. 76,697
11 Claims. (Cl. 127—48)

8. In a process of clarifying molasses, the steps of diluting the molasses with from 1 to 3 parts

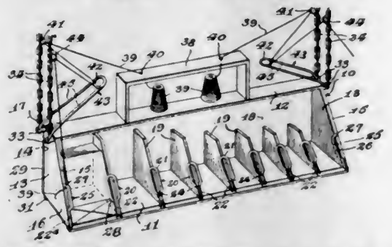
by weight of water, dissolving in the diluted molasses from 0.1% to 1.5% of a compound selected from the group consisting of pyrophosphoric acid and its soluble salts, heating the molasses to from 90° C., to 100° C., whereby a precipitate is formed therein, allowing the precipitate to settle, and decanting the remaining supernatant liquid from the precipitate.

2,075,128
STANDING WAVE OSCILLATING SYSTEM
Ilia E. Mouromtseff and Harrell V. Noble, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 20, 1932, Serial No. 629,644. Divided and this application July 31, 1935, Serial No. 34,007
1 Claim. (Cl. 178—44)



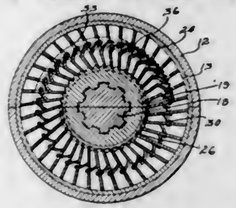
A coupling device comprising a pair of coaxial inner and outer conductors, means for producing standing waves on said conductors, said means including a pair of connections extending through but insulated from the outer conductor to spaced points on said inner conductor and means for delivering power therefrom including a second pair of spaced connections, the spacing of the first pair having a ratio to the spacing of the second pair dependent upon the impedance-transformation ratio.

2,075,129
COMBINED BAG RACK AND TWINE HOLDER
Charles J. Olund, Cambridge, Minn.
Application May 7, 1935, Serial No. 20,242
1 Claim. (Cl. 211—50)



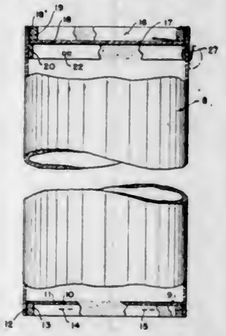
In a bag rack, a box-like structure having an open rear end, a base for the box inclined toward the open end, a plurality of spaced partitions defining compartments, a resilient retainer fixed at one end to the rack and in advance of a respective partition, said retainer comprising a pair of spaced leg portions, and a loop portion, said loop portion being of a width greater than the distance between the leg portions and adapted to overlap respective partitions and afford greater bearing contact with housed bags than said leg portions.

2,075,130
CLUTCH
William C. Osterholm, Oak Park, Ill.
Application March 16, 1931, Serial No. 522,943
17 Claims. (Cl. 192—41)



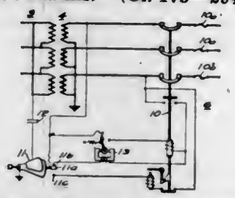
16. A clutch for transmitting rotary movement from one shaft to another comprising radially spaced outer and inner members, a circumferentially arranged series of spoke-like elements between the members and pivoted at one end on one member, each of the spoke-like elements being of greater length than the radial distance between the members so that its end opposite its pivot will engage the other member at a point at one circumferential side of a radius of the members passing through the pivot, an annular helical spring of radially contractile character for uniformly moving the elements in a pivotal manner, and means on each of the elements and disposed at the circumferentially opposite side of said radius for engaging the inner periphery of the spring, so that the spring urges the elements toward radial positions.

2,075,131
CONTAINER
Oscar E. Parkinson, Owen, Wis., assignor to The Master Package Corporation, Owen, Wis., a corporation of Wisconsin
Application March 9, 1936, Serial No. 67,802
4 Claims. (Cl. 229—5.7)



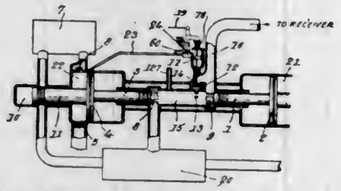
1. In a fiber container, the combination of a fiber siding, a head, adapted to fit within said siding, having a disk member, a drawhead of heavy paper within which said disk member fits and to which it is secured, and a thick fiber ring abutting said disk member and fitting within the sides of said drawhead and secured thereto, and means for securing said head to said siding.

2,075,132
NETWORK SYSTEM OF DISTRIBUTION
John S. Parsons, Swissvale, and George O. Harrison, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 19, 1934, Serial No. 726,576
32 Claims. (Cl. 175—294)



7. In an alternating-current network distribution system, a feeder circuit, a network circuit, a network circuit breaker interposed between said circuits, closing means for said circuit breaker responsive to conditions including a predetermined condition of energization of said feeder circuit, and means responsive to an abnormal relationship of voltages of said feeder and network circuits for preventing establishment of said predetermined condition to thereby prevent operation of said closing means.

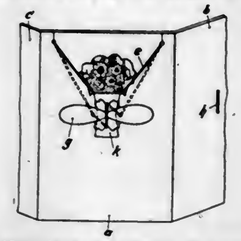
2,075,133
APPARATUS FOR PRODUCING A COMPRESSED AND HEATED GAS
Raul Pateras Pescara, Paris, France
Application August 28, 1933, Serial No. 687,236
In France August 31, 1932
21 Claims. (Cl. 230—56)



1. A motor compressor unit of the type described, comprising, in combination, a motor cylinder, two compression cylinders disposed on opposite sides of said motor cylinder and in line therewith, two pistons adapted each to slide at one end in said motor cylinder and at the other end in one of said compression cylinders, means for returning the pistons to their initial positions after the expansion stroke, means for conducting at least a part of the air from said compression cylinders to said motor cylinder, means to discharge from the motor cylinder the hot, compressed gas at increased pressure, and a compressed gas conduit connected to said discharge means, said unit operating at variable pressures.

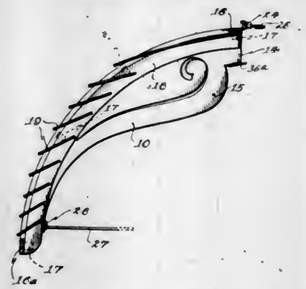
2,075,134
CARD FOR CONGRATULATION AND ADVERTISEMENT PURPOSES
Julius Reimann, Hamm, Germany
Application January 20, 1936, Serial No. 59,943
5 Claims. (Cl. 40—28)

1. In a device of the character described, a card, an elastic band loosely connected to the card and having a plurality of spaced strip portions, an article engaging one of said strip portions and adapted to hold the same temporarily under tension and in bowed condition, a rotatable member twisted about the other strip portion for clamping said article to the card, and a flap on the card having means engageable with the rotatable member for holding the same under tension



exerted by the last mentioned strip portion, whereby when the flap is opened the rotatable member will be released and the elastic band in contracting will turn the rotatable member to allow it to release the article and the article will be propelled by the band.

2,075,135
AWNING CONSTRUCTION
Clyde Reynolds, Chicago, and Bohumil G. Kucera, Cicero, Ill., assignors of one-fourth to said Kucera, one-fourth to Thomas Finlay, and one-half to Joseph M. Zalusky, Chicago, Ill.
Application May 4, 1936, Serial No. 77,774
16 Claims. (Cl. 156—15)

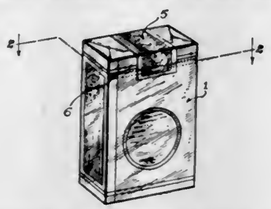


1. In a demountable awning a pair of substantially parallel arcuate side members, a plurality of connecting bars securing said side members together, the upper end of said side members terminating in flat faces adapted to contact and rest on the vertical surface of a window frame, a hook on each said member at the juncture of the vertical flat face and the upper curved edge of each thereof; said hook extending first upwardly and thence backwardly upon itself, a pair of links pivoted on said side members respectively anchoring said awning against outward pivotal movement, the free end of each said links being bent angularly and adapted to releasably engage between the window pane and the building wall, and a fabric awning member releasably attached on said side members and said connecting bars and having its edge portions depending therebelow.

2,075,136
OPENING DEVICE FOR PACKAGES
Edward MacGiffert Rice, New York, N. Y.
Application April 18, 1935, Serial No. 17,105
6 Claims. (Cl. 229—51)

1. A package comprising a wrapper folded to provide opposed walls with the free edges of said

wrapper secured together to form a seam in one wall, a ripping device for said wrapper having one end projecting through the seam to the exterior of the package and having its remaining



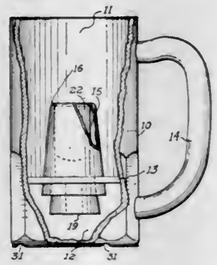
portion secured to the inner face of the wrapper and terminating at a point on the wall opposite the seamed wall, and means on the wall opposite the seamed wall for limiting the tearing or ripping action of said ripping device.

2,075,137

DRINKING VESSEL

Jack H. Rosen, Pittsburgh, Pa.

Application February 15, 1935, Serial No. 6,727
7 Claims. (Cl. 62—91.5)



1. A liquid drinking or serving vessel comprising a main shell having a main compartment to receive and hold a liquid, and an auxiliary shell mounted on the main shell and disposed to extend into the main shell and to serve as a partition between the main compartment and the space or compartment in the auxiliary shell; and means serving as a support for a dry ice cooling medium extending into the auxiliary compartment to cause the cooling medium to engage and pass over the inner surface of the partition as the gaseous cooling medium passes out of the cooling chamber.

2,075,138

PANTOGRAPH LUBRICATOR

William Schaake, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 14, 1934, Serial No. 711,124
7 Claims. (Cl. 184—15)



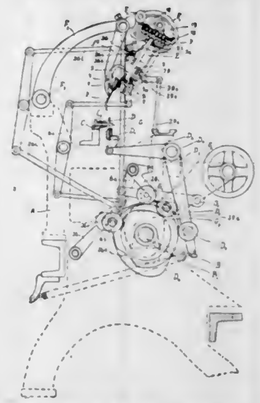
3. A current collector for an electric vehicle comprising, in combination, a pantograph slider shoe for engaging an overhead trolley wire having an aperture in the contact surface thereof, a holder aligned with and movable relative to said aperture, resilient means for biasing said holder upwardly, and an articulated lubricating member of solid material carried by said holder and projecting through said aperture to engage said trolley wire.

2,075,139

JACQUARD APPARATUS FOR FLAT KNITTING LOOMS

Curt Scheller, Chemnitz, Germany

Application October 1, 1935, Serial No. 43,094
In Germany October 1, 1934
3 Claims. (Cl. 66—98)



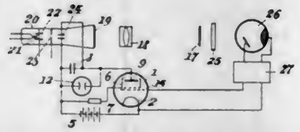
1. In a jacquard pattern mechanism for knitting machines in combination, a plurality of pattern sinkers having magnet armatures equally distributed in several rows, a contact member having a number of contact makers corresponding to the number of said rows, a slidable member coupled with said contact member, an electromagnet slidably arranged along its armature row and influencing the same, said electro-magnets being carried by said slidable member, rows of contacts, each row corresponding to the armatures appertaining to one electro-magnet, each of said contact makers being connected with one of said electro-magnets and slidably arranged over a row of said contacts, auxiliary contacts, one connected to each of said aforementioned contacts, the auxiliary contacts having displaceable contact pins, a jacquard card and a jacquard drum movable against said displaceable contact pins.

2,075,140

TILTING OSCILLATOR AND MODULATOR

Kurt Schlesinger, Berlin, Germany

Application May 21, 1932, Serial No. 612,676
In Germany May 20, 1931
13 Claims. (Cl. 179—171)



1. A device for producing relaxation oscillations of straight line wave form comprising a direct current source, a condenser, a thermionic charging tube having cathode, anode, and an auxiliary grid electrode, and a discharge tube, the one electrode of said condenser being connected to the one terminal of said source and to the one electrode of said discharge tube, the other electrode of said condenser connected to the other

terminal of said source through the discharge space of said charging tube and to the other electrode of said discharge tube, and a high ohmic resistance connecting said auxiliary grid to the positive terminal of said source.

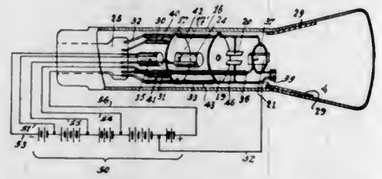
13. A device for producing relaxation oscillations of straight line wave form modulated in accordance with light intensities to be reproduced, comprising a direct current source, a condenser, a thermionic charging tube having cathode, anode, an auxiliary grid and a preliminary grid, and a discharge tube having electrodes, the one electrode of said condenser being connected to the one terminal of said source and to one electrode of said discharge tube, the other electrode of said condenser connected to the other terminal of said source through the discharge space of said charging tube and to the other electrode of said discharge tube, a high ohmic resistance connecting said auxiliary grid to the positive terminal of said source, and means to apply to said preliminary grid potentials modulated according to the light intensities to be reproduced.

2,075,141

CATHODE RAY TUBE SYSTEM

Kurt Schlesinger, Berlin, Germany

Application March 23, 1933, Serial No. 662,284
In Germany March 24, 1932
3 Claims. (Cl. 250—27)



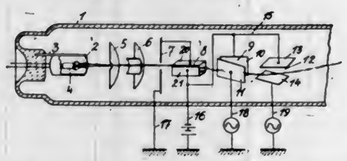
1. A television arrangement including a Braun tube comprising an indirectly heated cathode, a Wehnelt cylinder surrounding said cathode, a first anode, a further cylinder, and a second anode, said first anode, said further cylinder, and said second anode being mounted in axial consecution, cathode ray deflecting means, means to impress onto said Wehnelt cylinder a negative bias in relation to said cathode, means to maintain said first anode positive in relation to said cathode, means to maintain said further cylinder positive in relation to said cathode but negative in relation to said first anode, and means to maintain said second anode positive in relation to said first anode.

2,075,142

BRAUN TUBE

Kurt Schlesinger, Berlin, Germany

Application October 18, 1933, Serial No. 694,135
In Germany October 21, 1932
4 Claims. (Cl. 250—27.5)



4. A Braun tube for television purposes which comprises an evacuated envelope, a cathode and an anode arranged in operative relationship thereto, a Wehnelt cylinder surrounding said cathode, a picture receiving screen and two pairs of deflecting plates mounted in axial consecution to each other without any further element being disposed therebetween, characterized in that the distance between said pairs of deflecting plates is at least three times as great as the distance between the two plates of each of said pairs of deflecting plates.

2,075,143

TREATMENT OF TEXTILE FABRICS

George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application November 3, 1934, Serial No. 751,415
2 Claims. (Cl. 28—1)

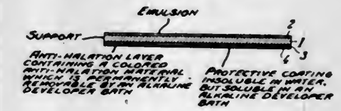
1. Process for the preparation of a taffeta, containing yarns of organic derivatives of cellulose, having the appearance of being closely woven, which comprises treating a loosely woven taffeta for from ½ to 3 seconds in a bath of aqueous alcohol maintained at substantially the boiling point thereof.

2,075,144

ANTIHALATION LAYERS FOR PHOTOGRAPHIC PLATES AND FILMS

Wilhelm Schneider, Dessau, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application October 15, 1931, Serial No. 569,067
In Germany October 31, 1930
5 Claims. (Cl. 95—8)



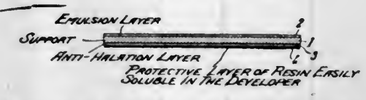
4. Photographic plates or films comprising a support bearing on one side a light-sensitive emulsion layer and on the rear side a solid antihalation layer containing a colored anti-halation material which is permanently removable by an alkaline developer bath, said anti-halation layer being coated with a protective layer which is insoluble in water but soluble in an alkaline developer bath.

2,075,145

ANTIHALATION LAYER

Wilhelm Schneider, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

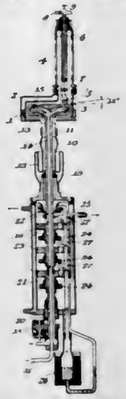
Application December 1, 1932, Serial No. 645,310
In Germany December 15, 1931
5 Claims. (Cl. 95—8)



1. Photographic plates or films comprising a support bearing on one side a light-sensitive emulsion layer and on the other side a solid antihalation layer coated with a protective layer containing a resin easily soluble in alkaline developers containing at least one radical capable of forming a salt selected from the group consisting of —OH and —COOH.

2,075,146
METALLIC ROENTGEN TUBE WITH REVOLVING ANTICATHODE
Sergei Sergeeff, Moscow, Union of Socialist Soviet Republics
Application December 6, 1934, Serial No. 756,313. In Union of Socialist Soviet Republics June 25, 1933

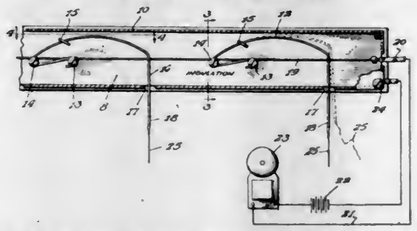
5 Claims. (Cl. 250—35)



1. In combination, a Roentgen tube including a rotary water cooled anticathode and a carrying rod for said anticathode, a multi-stage diffusion pump connected with said tube and having high and low vacuum zones, said rod extending through said pump and externally thereof through the low vacuum zone, a bearing for said rod in the high vacuum zone of the pump, a second bearing for said rod in the low vacuum zone and a stuffing box at the point where said rod passes from the low vacuum zone into the atmosphere.

2,075,147
AUTOMATIC BURGLAR ALARM
Francis H. Stotts, Wynne, Ark.
Application November 13, 1935, Serial No. 49,565

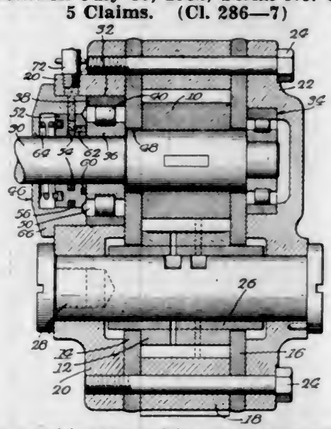
2 Claims. (Cl. 200—52)



1. A burglar alarm comprising an elongated backing of insulating material, an elongated metal casing having an outer side wall and upper and lower walls extending therefrom, fasteners to secure the casing against said backing, one fastener constituting means for connecting a conductor to the casing, the lower wall having openings spaced from each other longitudinally thereof, fasteners carried by said backing and spaced from each other longitudinally, a conductor extending longitudinally of the backing out of contact with the casing and engaging the fasteners carried by the backing, guide loops carried by said backing above the fasteners carried by the backing, and movable contacts consisting of strands of resilient metal secured to the fasteners carried by the backing and having bridge portions extending longitudinally of the backing through said guides and arms depending from the bridge portions and extending outwardly through the openings of the lower wall and biased for contact with side walls of the openings and having their outer ends adapted for engagement with means for holding the arms out of engagement with side walls of the openings.

2,075,148
SEALING DEVICE
Ernest J. Svenson, Rockford, Ill.
Application July 30, 1932, Serial No. 627,026

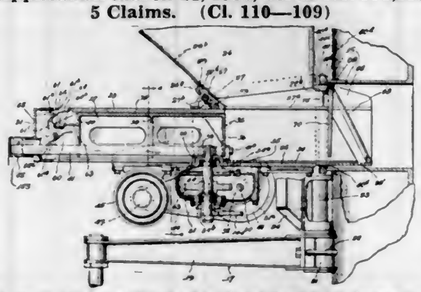
5 Claims. (Cl. 286—7)



1. In combination with a rotary member and a casing containing a chamber having fluid therein under pressure, a body of moldable material encircling said rotary member and in contact therewith to prevent leakage of fluid under pressure from said chamber along the surface of said rotary member, an annular member within the casing encircling the rotary member and constituting retaining means for the moldable material, said annular member being shiftable axially of the rotary member, an annular abutment fixed against movement axially of the rotary member, and means for urging said annular member axially of the rotary member into engagement with said abutment to maintain a predetermined load between the engaging surfaces thereof and to provide a mechanical seal therebetween.

2,075,149
STOKER
Frederick W. Vodoz, Wilmette, Ill.
Application March 14, 1932, Serial No. 598,559

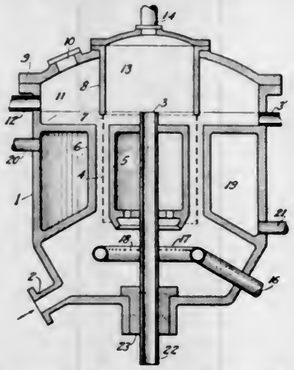
5 Claims. (Cl. 110—109)



4. In a stoker adapted to feed fuel to a furnace, a fuel hopper, a casing supporting said hopper and forming a horizontally disposed fuel passage, said hopper having a vertically opening discharge passage communicating with said horizontal passage, a reciprocably movable shovel in said casing having a horizontal bottom plate, and a horizontal top plate adjacent its rear end, said shovel being adapted in retracted position to receive fuel in its forward end deposited by gravity from said hopper and adapted in forwardly extended position to project said horizontal top plate beneath said discharge passage of the fuel hopper to form a closure thereunder, a ram telescopically mounted in said shovel, means for reciprocably moving said ram, means for connecting said shovel with said ram to move with the latter during a portion of the travel of said ram, said ram having a horizontal plate extending rearwardly therefrom beneath said first named horizontal plate adapted to form an extended closure between said first named plate and said ram when the latter is extended forwardly in said shovel.

2,075,150
PROCESS FOR THE PRODUCING OF METALS AND UTILIZATION THEREOF
Justin F. Wait, New York, N. Y.
Application November 7, 1932, Serial No. 641,558

13 Claims. (Cl. 204—21)

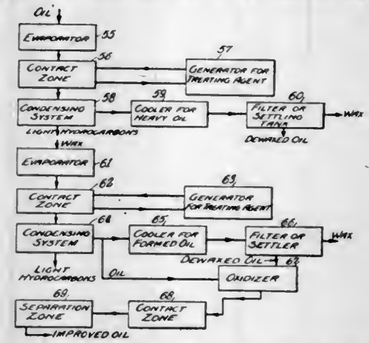


6. The process of producing and utilizing an alkali metal which comprises passing a fused alkali metal chloride through an electrolytic zone at a rate in excess of the rate of electrolysis and in a manner to deliver beyond the zone, a mixture of the metal and the chloride and recycling said mixture through a path including a region of vaporous hydrocarbons and said zone and so producing reaction within a portion of the hydrocarbon.

2,075,151
PROCESS OF FORMING WAX AND PRODUCT THEREFROM
Justin F. Wait, New York, N. Y.
Application April 29, 1933, Serial No. 668,499

14 Claims. (Cl. 196—21)

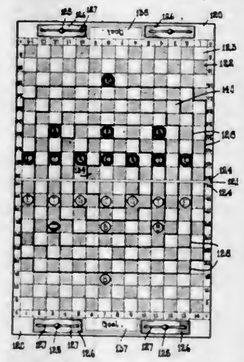
8. The process which comprises treating heavy oil with alkali metal at between about 300° C. and 500° C. to form wax from portions thereof, separating the wax so formed from oil so treated, treating wax so formed by action of molten alkali metal on said oil with a molten mass containing alkali metal at between about 200° C. and 450° C. and so forming oil from the said wax and mildly oxidizing oil so formed to render unstable portions removable by alkali metal at elevated temperature and applying alkali metal at a temperature between about 300° C. and 400° C. to so remove oxidized



portions and to form a stable oil as of high viscosity index.

2,075,152
FOOTBALL GAME
Fred. J. Welna, Omaha, Nebr.
Application March 19, 1935, Serial No. 11,777

5 Claims. (Cl. 273—94)



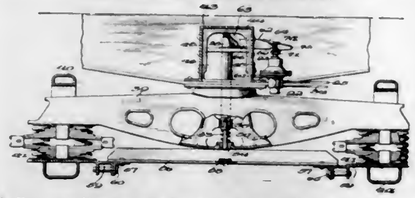
1. A board for use in a game of the character described comprising a flat playing surface, longitudinal and transverse markings on said surface dividing the greater portion thereof into playing spaces, certain of said longitudinal markings being extended beyond the extreme transverse markings to provide goal spaces at opposite ends of the playing surface, and additional markings along certain of the longitudinal and transverse markings inwardly of the extreme transverse markings enclosing certain of the playing spaces and providing guideways on the playing surface for the execution of end runs.

2,075,153
LIGHT FILTER
Gustav Wilmanns, Wolfen Kreis Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 31, 1935, Serial No. 38,855. In Germany September 4, 1934

4 Claims. (Cl. 95—81.5)

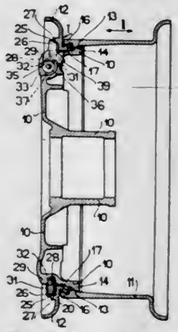
1. A light filter transparent to infra-red radiation which consists of a colloid layer colored with dyestuffs belonging to the class of penta-, hepta-, nona- and undeca-methine-cyanines and with filter dyestuffs that absorb ultra-violet to bright red.

2,075,154
CONTROL MECHANISM FOR EMPTY AND LOAD BRAKES
William E. Wine, Toledo, Ohio
Application October 18, 1935, Serial No. 45,668
14 Claims. (Cl. 188—195)



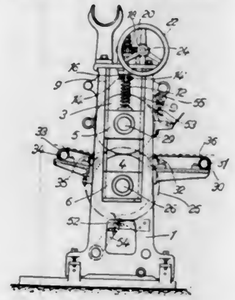
1. In a railway car having a fluid pressure brake system provided with apparatus for varying the braking power of the system according to the light or loaded condition of the car, the combination with a pivoted truck having a spring supported bolster, of a center sill having substantially vertical side walls, a device mounted adjacent the center sill having a member movable different distances for controlling the operation of said apparatus, and mechanism for controlling the extent of movement of said member in accordance with the condition of loading of the car, said mechanism including an element movable with respect to the truck bolster in a line substantially coincident with the pivotal axis of the truck, said element having a portion disposed within the center sill, and means engageable with said member and having a portion extending through one of the side walls of the center sill for cooperating with said element.

2,075,155
VEHICLE WHEEL
Emil Zipper and Walter Zipper, Vienna, Austria
Application March 9, 1933, Serial No. 660,173
In Austria March 9, 1932
7 Claims. (Cl. 301—12)



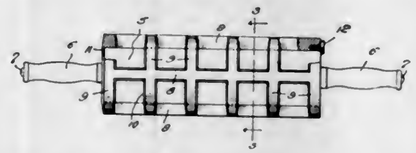
1. A vehicle wheel assembly comprising a wheel body, a circumferentially divided rim, the rim sections having coacting conical flanges detachably connecting said sections together, means for varying the width of the connected rim sections, a fixed counter support for one rim section on the wheel body, a detachable counter support for the other rim section on the wheel body and bearing against the latter, the said detachable counter support consisting of a split ring provided with a conical seat coacting with the seat of the corresponding rim section, means for varying the diameter of the said split ring, and means acting on circumferential displacement of the split ring with respect to the wheel body to permit removal of said split ring from the wheel body.

2,075,156
APPARATUS FOR EFFECTING THE REMOVAL OF FOREIGN BODIES FROM CARDED WEBS
Antonio Peralta Albero, Almazora, Castellon de la Plana, Spain
Application November 20, 1935, Serial No. 50,778
In Spain November 22, 1934
7 Claims. (Cl. 19—161)



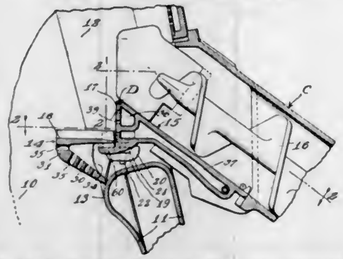
1. A machine for preparing for removal of the foreign bodies in webs which are produced on a carding engine, consisting essentially of at least one pair of cylinders of hard material with smooth surfaces, supports in which the said cylinders are carried so as to be capable of rotation one on the other, means effecting a mechanically transmitted rotary movement to the said cylinders to cause them to roll one on the other, means for feeding and receiving from the said cylinders the webs from the carding engine, the rolling of the said web being effected under the pressure of one cylinder on the other in order to effect the crushing of the foreign bodies mixed with the fibres when the web is passed between the pair of cylinders, and cleaning elements applied to the surface of the said cylinders for the removal therefrom of the substances which would eventually remain adhering to the said cylinders.

2,075,157
COMBINED ROLLING PIN AND DIE
Elio Joseph Alberti, Chicago, Ill.
Application November 2, 1934, Serial No. 751,236
1 Claim. (Cl. 107—51)



A die of the character described, comprising a hollow cylinder adapted to snugly fit over the body of a conventional domestic rolling pin and cast in one piece with a thick cylindrical wall of uniform thickness, said cylindrical wall being formed with a plurality of similar apertures uniformly spaced to define integrally connected broad-faced longitudinal bar and circumferential ring members therebetween, said cylinder having an integral inwardly projecting annular flange at one end arranged to abut one end of the rolling pin body and limit movement of said cylinder onto the latter, and a screw threaded into one of said longitudinal bar members at the other end of said cylinder and having its head engaged with the other end of the rolling pin body to removably secure said cylinder on the latter.

2,075,158
FUEL DISTRIBUTOR
Howard P. Anderson, Erie, Pa., assignor to The Standard Stoker Company, Inc., a corporation of Delaware
Application September 21, 1933, Serial No. 690,364
5 Claims. (Cl. 110—101)

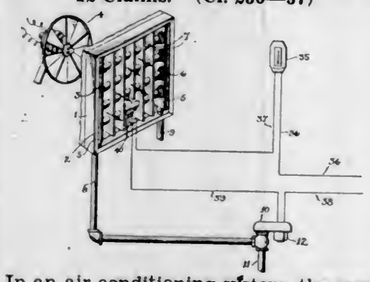


1. A fuel distributing table constructed as a hollow shell and in its operative position being open at its rearward side and including a substantially flat top wall, an inclined bottom wall extending upwardly from the open side of the table toward the opposite side and curving upwardly into the top wall to form a front wall and said bottom wall at its opposite ends curving upwardly into the top wall to form end walls, the upper portion of the inclined bottom where it curves to form the front and end walls being of greater thickness than at its lower edge.

2,075,159
METHOD OF TREATING BEET SEED
Howard M. Andreasen, Tremonton, Utah
No Drawing. Application May 13, 1935, Serial No. 21,293
1 Claim. (Cl. 146—219)

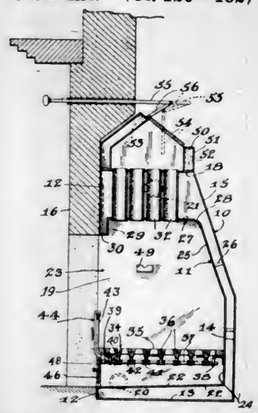
A method of treating beet seed comprising separating the beet seed into uniform sizes, thereafter moistening the graded seed and while in a slightly moist condition, subjecting the graded seed to a crushing operation in a burr mill to break up the individual seeds into several individual parts, so that any one of such individual parts will contain a single germ.

2,075,160
MODULATED RADIATOR CONTROL
John S. Baker, Chicago, Ill., assignor to Cook Electric Company, Chicago, Ill., a corporation of Illinois
Application September 16, 1932, Serial No. 633,421
12 Claims. (Cl. 236—37)



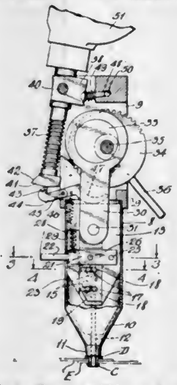
1. In an air conditioning system, the combination with a radiator, a source of heating medium for said radiator and a valve for controlling the flow of the heating medium, of an electric circuit having means therein for operating said valve, a thermostat connected in said circuit and adapted to be influenced by the temperature of the room to be heated, and a second thermostat connected in said circuit and adapted to be influenced by the temperature of said radiator, said second thermostat controlling said circuit after the room thermostat has been satisfied whereby said operating means will actuate said valve to maintain said radiator above a predetermined temperature.

2,075,161
HEATING UNIT
Hartwig N. Baruch, White Marsh, Otis T. Amory, Newport News, and Obed A. Bloxom, Battery Park, Va.
Application February 28, 1935, Serial No. 8,770
3 Claims. (Cl. 126—132)



1. In a fireplace heating means including a hollow walled hot water heater insertable in a fireplace opening; a second hollow walled domestic water heater open at the top and bottom and mounted on the top of the first named heater, said second heater having front, side, and rear walls and having in its upper part a constricted opening, and a damper plate carried by said second heater to regulate the size of the constricted opening.

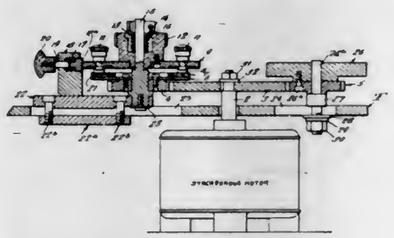
2,075,162
RIVET SETTING DEVICE
Ross H. Begg, North Haledon, N. J., assignor to Breeze Corporations, Inc., Newark, N. J.
Application April 4, 1934, Serial No. 718,934
17 Claims. (Cl. 218—19)



1. In a device for setting hollow rivets by drawing a headed mandrel through a rivet, a

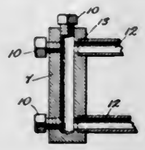
housing having a portion thereof adapted to bear against a rivet, a mandrel receiving chuck movable in the housing, a driven worm and worm wheel and means connecting the worm wheel and chuck to move the chuck.

2,075,163
SYNCHROSCOPE
Claude L. Bennett, Elgin, Ill., assignor of one-fourth to Eugene J. Hatch, Elgin, Ill.
Application September 6, 1932, Serial No. 631,947
8 Claims. (Cl. 88—14)



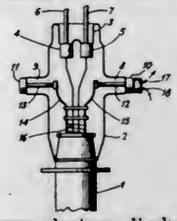
1. An apparatus for testing the time-displacement of a selected point on the balance wheel or other periodically or cyclically moving part of a watch or the like, said apparatus comprising a support, a synchronous prime mover mounted in conjunction with the support, flywheel governor means on the support, commutator means on the support, a mutual connection between the synchronous prime mover and the flywheel governor and the commutator means, whereby the commutator means is driven at a uniform predetermined rate, a rotatable brush rotor, a plurality of circumferentially spaced brushes carried by the rotor for contact with the commutator, and brake means carried by the support for engagement with the brush rotor for preventing rotation of the rotor by the commutator, whereby to retain said brush rotor in a position of rotation in which the incidence of the brushes with respect to the electrical circuit completing means carried by the commutator is either retarded or advanced.

2,075,164
METHOD AND APPARATUS FOR CONVERTING HYDROCARBONS
John C. Black, Los Angeles, Calif., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del., a corporation of Delaware
Application November 6, 1922, Serial No. 599,403
10 Claims. (Cl. 196—110)



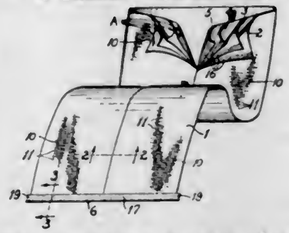
9. A process of treating hydrocarbon oil which comprises subjecting hydrocarbon oil to a temperature sufficiently high to effect cracking thereof while in contact with a container composed of an alloy of chromium and iron substantially resistant to the corrosive action of sulfur or sulfur compounds.

2,075,165
ELECTRIC DISCHARGE TUBE
Huibert Gerard Boumeester, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application October 4, 1935, Serial No. 43,505
In Germany October 4, 1934
2 Claims. (Cl. 250—27.5)



1. A high power electron discharge device comprising an envelope with a cylindrical anode sealed gas tight to an axially extending glass section, cathode leads extending thru and sealed in the glass section opposite the anode seal, a grid in and symmetrically spaced from the anode, the sole support and lead-in means for said grid comprising a plurality of metallic bodies sealed at circumferentially spaced points in the wall of said glass section intermediate the cathode and anode seals, and rigid supporting members, each member being mechanically secured at one end to one of said bodies and at the other end to said grid.

2,075,166
BAG
Charles V. Brady, Webster Groves, Mo., assignor to Bemis Bro. Bag Co., St. Louis, Mo., a corporation of Missouri
Application May 2, 1935, Serial No. 19,388
6 Claims. (Cl. 229—55)

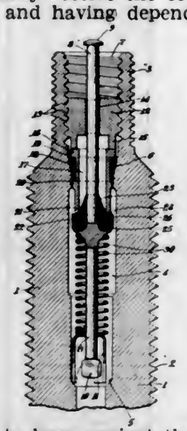


1. A bag comprising a plurality of nested envelopes, at least some of said envelopes being formed of laminated material comprising a pair of layers of paper secured together by a layer of asphaltic adhesive, the thickness of the asphaltic cement in any one envelope being insufficient to secure complete moisture-proofness.

3. A closure strip for the ends of bags and the like, comprising a strip of fabric bent upon itself, said fabric having an outer surface of cured rubber, and being inwardly provided with adhesive whereby it may be secured to the bag.

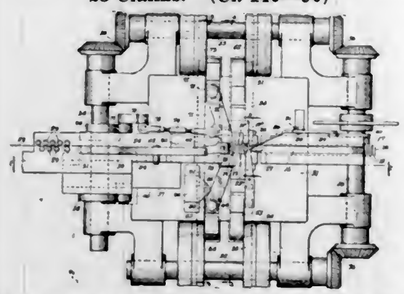
2,075,167
PNEUMATIC VALVE INSIDE CONSTRUCTION
Lewis C. Broecker, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application July 1, 1931, Serial No. 548,063
Renewed May 14, 1935
8 Claims. (Cl. 152—12)

1. A screw plug for mounting a valve "insides" within a valve stem and positioning and guiding the center pin thereof, comprising a narrow segmental body having threaded ends adapted to fit the internal threads of a valve stem and having a bore to slidably receive the center pin of the valve insides, and having depending legs at its



ends adapted to bear against the upper end of the barrel of the valve insides and force and hold it in its proper position within said valve stem, said legs forming the ends of an open sided arch whose top is the segmental body.

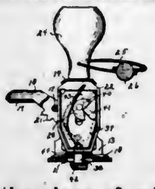
2,075,168
WIRE FORMING MACHINE
David L. Brown, Summit, N. J., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application April 29, 1935, Serial No. 18,734
23 Claims. (Cl. 140—90)



1. A forming machine of the character disclosed, comprising in combination, cooperating dies for holding formed strip stock attached to a supply length of stock and one having an outer face for partial formation of an attached portion of the stock thereover, a tool provided with a companion forming face and having a movement to carry the attached portion of stock about said outer forming face of the die, said forming tool having an outer forming face in continuation of the opposed forming face of said die and a second sequentially acting tool provided with a companion forming face and having a movement opposite that of said first forming tool to carry a successive portion of the extending stock about said continuation forming face of said first tool.

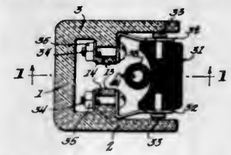
2,075,169
APPARATUS FOR IMPRINTING TAX INDICIA ON ITEMS
Eric F. Brown, Des Moines, Iowa
Application November 29, 1935, Serial No. 52,091
7 Claims. (Cl. 101—333)

1. In a device of the class described, a base portion, a frame portion vertically slidably mounted on said base portion, a stationary imprinting element on said frame, an arm vertically slidably mounted on said frame, a second imprinting element on said arm normally resting in



a plane below the plane of said first-mentioned imprinting element, a counter on said frame, and a means for operatively connecting said arm to said counter.

2,075,170
HOUSING FOR CUT-OUT SWITCHES
Chester W. Brown, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application August 24, 1934, Serial No. 741,289
12 Claims. (Cl. 200—133)



1. A housing for a cutout, said housing comprising a rear wall, a top wall and side walls, said housing being open at its front and bottom and provided with hinge supporting ears extending from and normal to the interior surfaces of the side walls, said ears being spaced from the rear wall of the housing.

2,075,171
PROCESS FOR DESULPHURIZING HYDROCARBONS
Albert E. Buell and Walter A. Schulze, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Original application June 10, 1932, Serial No. 616,574. Divided and this application May 21, 1935, Serial No. 22,656
8 Claims. (Cl. 196—28)

1. The process of desulphurizing petroleum hydrocarbon fluid containing organic sulphur compounds as impurities, comprising heating the fluid in the vapor state to a temperature within the range of 500° to 800° F., contacting the vapors at substantially the same temperature with a catalyst consisting of crude mineral ore containing a substantial proportion of a vanadium compound, whereby the organic sulphur compounds are decomposed into hydrogen sulphide, and separating the hydrogen sulphide from the hydrocarbon fluid.

2,075,172
PROCESS FOR DESULPHURIZING HYDROCARBONS
Albert E. Buell and Walter A. Schulze, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Original application June 10, 1932, Serial No. 616,574. Divided and this application May 21, 1935, Serial No. 22,657
7 Claims. (Cl. 196—28)

1. The process of desulphurizing petroleum hydrocarbon fluid containing organic sulphur com-

pounds as impurities, comprising heating the fluid in the vapor state to a temperature within the range of 500° to 800° F., contacting the vapors at substantially the same temperature with a catalyst consisting of crude mineral ore containing a substantial proportion of a tungsten compound, whereby the organic sulphur compounds are decomposed into hydrogen sulphide, and separating the hydrogen sulphide from the hydrocarbon fluid.

2,075,173

PROCESS FOR DESULPHURIZING HYDROCARBONS

Albert E. Buell and Walter A. Schulze, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Original application June 10, 1932, Serial No. 616,574. Divided and this application May 21, 1935, Serial No. 22,658

8 Claims. (Cl. 196—28)

1. The process of desulphurizing petroleum hydrocarbon fluid containing organic sulphur compounds as impurities, comprising heating the fluid in the vapor state to a temperature within the range of 500° to 800° F., contacting the vapors at substantially the same temperature with a catalyst consisting of crude mineral ore containing a substantial proportion of a molybdenum compound, whereby the organic sulphur compounds are decomposed into hydrogen sulphide, and separating the hydrogen sulphide from the hydrocarbon fluid..

2,075,174

PROCESS FOR DESULPHURIZING HYDROCARBONS

Albert E. Buell and Walter A. Schulze, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Original application June 10, 1932, Serial No. 616,574. Divided and this application May 21, 1935, Serial No. 22,660

7 Claims. (Cl. 196—28)

1. The process of desulphurizing petroleum hydrocarbon fluid containing organic sulphur compounds as impurities, comprising heating the fluid in the vapor state to a temperature within the range of 500° to 800° F., contacting the vapors at substantially the same temperature with a catalyst consisting of crude mineral ore containing a substantial proportion of a cadmium compound, whereby the organic sulphur compounds are decomposed into hydrogen sulphide, and separating the hydrogen sulphide from the hydrocarbon fluid.

2,075,175

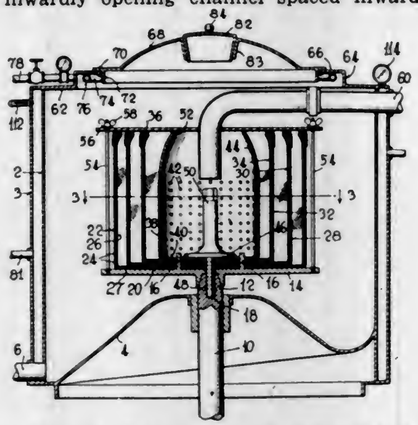
METHOD AND APPARATUS FOR PURIFYING LIQUIDS

Thomas W. Byrd, Americus, Ga.

Application February 14, 1935, Serial No. 6,575

5 Claims. (Cl. 210—66)

1. In a machine of the class described, a casing, a perforated drum within said casing, means to rotate said drum about its axis, a filter bag within said drum of fibrous material lining the inner wall of the drum, means to feed a liquid to the inside of said drum, said drum acting to filter the liquid and to spray the same in atomized form into the space outside the drum, and means to supply a hot gaseous medium to such space to mingle with the atomized liquid, said last means comprising a pipe, said casing having a wall at the end of said drum provided with an inwardly opening channel spaced inwardly



from the wall of the casing opposite the side of the drum, said pipe being located in said channel and having inwardly opening nozzles therein.

2,075,176

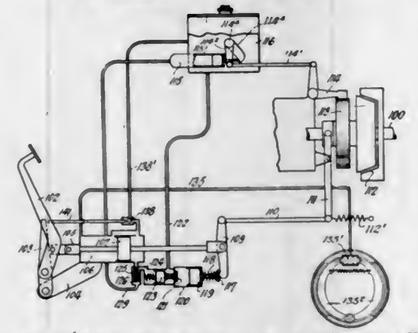
BRAKING MECHANISM

Cecil Vandepeer Clarke, Bedford, England

Application December 20, 1934, Serial No. 758,492

In Great Britain December 21, 1933

11 Claims. (Cl. 188—152)



1. In braking mechanism for a self-propelled vehicle, the combination of braking members, a hydraulic transmission system, a device operating to feed liquid to the system, a servo device operating to actuate the device, a manually operable device operating in its initial movement to render the servo device operative and also operating to apply pressure to liquid fed to the system, and means responsive to the effort applied to the manually operable device and also to the effort exerted by the servo device, the said means operating to render the servo device inoperative when the said two efforts reach a predetermined relative value.

2,075,177

FLUID METER

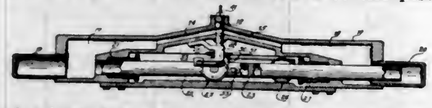
John Irion Cochran and Dee Ruth, Gladewater, Tex.; Maggie Ruth administratrix of said Dee Ruth, deceased

Application March 20, 1934, Serial No. 716,527

3 Claims. (Cl. 73—251)

1. A fluid meter having a pair of opposed measuring chambers, an inlet and an outlet pipe, a

valve positioned between and controlling communication of both of said pipes with said measuring chambers, downwardly extending passages from the valve connecting with said pair of measuring chambers, a reciprocatory piston slidably mounted between and extending at its end portions into the chambers, gears for rotating the valve, said gears having lugs on the side faces thereof, a pair of wheels attached to the piston



and adapted to alternately engage one of said lugs to move the gears, a pair of cams fixed to rotate with said gears, spring means acting upon said cams for imparting additional movement to the gears in the direction of rotation imparted by said wheels, a shaft connected to a registering device, and means connected to said shaft and the piston for imparting movement in one direction only to the shaft when said piston is reciprocated.

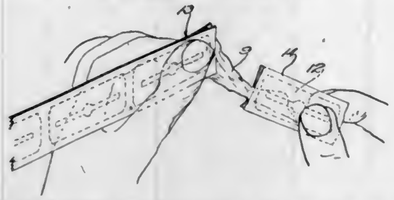
2,075,178

DISPENSING DEVICE FOR SHEET RUBBER DEPOSITED FROM AN AQUEOUS DISPERSION OF RUBBER AND THE PROCESS OF FORMING AND USING SAME

Lloyd G. Copeman, Flint, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan

Application December 3, 1934, Serial No. 755,762

19 Claims. (Cl. 93—2)



5. The method of temporarily sealing and releasing articles preparatory to dispensing, which comprises interposing an article or articles in an aqueous dispersion of rubber between two sheets of paper, depositing the particles of rubber from said aqueous dispersion to form a homogeneous membrane of rubber between said two sheets of paper and covering at least one side of said article or articles, and then releasing said article or articles by pulling away the membrane of rubber from between the two sheets of paper.

2,075,179

RECOVERY OF CHLORATES BY SELECTIVE EXTRACTION WITH ACETONE

George Lewis Cunningham, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

No Drawing. Application February 9, 1934, Serial No. 710,530

9 Claims. (Cl. 23—85)

1. In the recovery of chlorates of the metals of the class consisting of magnesium, calcium, barium and strontium from mixtures including a compound of the class consisting of chlorides and chlorites of the metals of the class consisting of magnesium, calcium, barium and strontium, the improvement which comprises selectively separating the chlorate from the mixture by extraction with acetone.

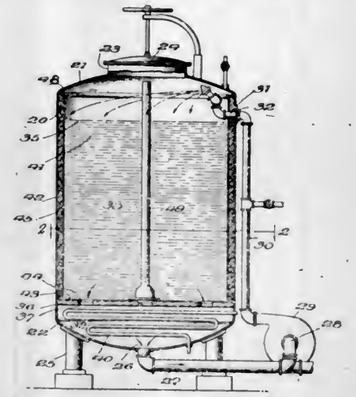
2,075,180

KIER

Orman Phillips Curtis, Bangor, Maine

Application July 15, 1935, Serial No. 31,504

4 Claims. (Cl. 8—19)



1. A kier for processing textiles in alkaline liquors under such conditions that the textiles are moved about in the kier by circulation of liquor therein and rubbing against the kier takes place incidental to the operation, said kier comprising a container shell adapted to hold a charge of liquor, having an interior surface comprising nickel and being permanently incorrodible by the liquors, being smooth-contoured and rounded, and polished so as to have a coefficient of friction with respect to wet cloth of not over about 0.4, whereby staining and friction marking of the textiles are eliminated.

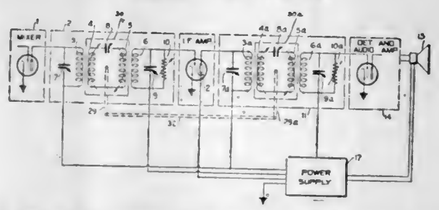
2,075,181

RECEPTION SYSTEM

Richard C. Curtis, East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware

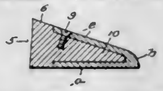
Application June 12, 1934, Serial No. 730,211

6 Claims. (Cl. 178—44)



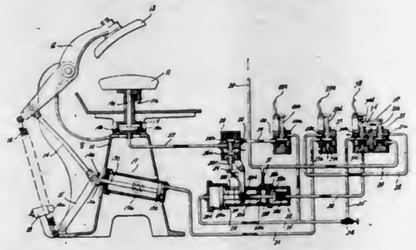
1. In an electrical filter system, a selection circuit comprising at least two resonant sections and including an intermediary circuit comprising reactive elements for passing frequencies within a predetermined band, said intermediary circuit being coupled with adjacent sections of said selection circuit solely by reactive or non-conductive coupling of said reactive elements in said intermediary circuit, and mechanical means for mechanically varying the spatial relationship of said reactive elements of said intermediary circuit as a unit with respect to the remainder of said selection circuit for effecting a variation in the frequency band width characteristics of said selection circuit as a whole, and an electrostatic shielding extending between said sections of said selection circuit.

2,075,182
PLOW TIP
George W. Davidson, Pocahontas, Va.
Application May 20, 1936, Serial No. 80,858
1 Claim. (Cl. 97—125)



In a plow structure, a nose portion cut away to provide a reduced extension having right angular shoulders at its inner end, a shoe of wear-resisting material disposed on the said extension so as to abut the shoulders and having its outer surface flush with the adjoining surfaces of the nose portion, said shoe being of tapered construction and including a bottom, sides and top walls, and a thickened forward end portion.

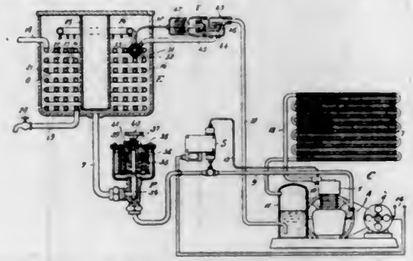
2,075,183
CONTROL FOR PRESSING MACHINES
James M. Dewey, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application October 23, 1935, Serial No. 46,244
12 Claims. (Cl. 38—25)



1. In a pressing machine, a pair of coacting relatively movable pressing members, power means for causing relative approach movement between said members in two steps, a first step into preliminary closed position and a second step into final closed position, control members for said power means, one control member for causing each step of the operation thereof, a power device for actuating and holding actuated said second step control member, and means for actuating said power device by operation of said first step control member, said last named means including an arrangement for delaying operation of said device for an interval after operation of said first step control member.

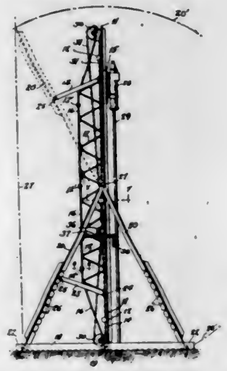
2,075,184
LIQUID COOLER
Dewey H. Dolison, Mount Vernon, Ohio, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application April 30, 1934, Serial No. 723,121
13 Claims. (Cl. 62—141)

1. In a draft liquid cooler, in combination, means for successively compressing and condensing a volatile refrigerant, a vertically extending evaporator chamber, means for conducting a liquid to be cooled in heat exchanging relation with the interior of said evaporator chamber, means for spraying liquid refrigerant from said condensing means into said evaporator chamber at a point adjacent its upper end and means for withdrawing evaporated refrigerant from the lower end of said evaporator chamber to said compressing means, whereby any lubricant introduced to said evaporator chamber with the



refrigerant falls through said chamber and is returned to said compressing means.

2,075,185
PORTABLE DRILL MOUNTING
William A. Eller, Benton, Wis.
Application June 27, 1935, Serial No. 28,727
6 Claims. (Cl. 255—51)



1. In a drill mounting, a drill frame comprising spaced channeled members, cross members connecting said channeled members, a pair of spaced longitudinal runners, reinforcing spacing members connecting the runners with the channeled members, a leg arranged on one side of the drill frame, an adjusting member connecting the leg and frame and adapted to vary the angle between the leg and frame, a second leg member arranged on the other side of the frame, said second leg member being adapted to be moved to the opposite side of the drill frame, an adjusting member adapted to connect said drill frame to the second leg in its second named position to vary the angle between the second leg and the drill frame, a drill slide movably carried by said drill frame, means to adjust the drill slide longitudinally of the drill frame, and a rock drill mounted on said drill slide.

2,075,186
METAL FLOWERPOT AND METHOD OF DECORATING SAME
Stuart Ellis, Fredericksburg, Va.
Application May 2, 1936, Serial No. 77,621
4 Claims. (Cl. 47—34)

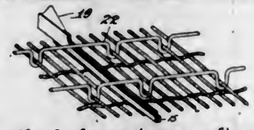
1. The method of decorating a flower pot consisting in applying an adhesive such as a colorless paint to a portion of the outside surface of the flower pot, covering said painted portion with sand and allowing the paint to dry, and painting

the sanded surface of the flower pot the desired



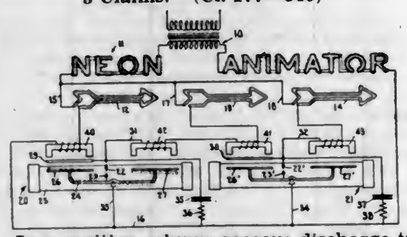
color to decorate the flower pot and to also cause the sand to securely adhere to it.

2,075,187
METHOD OF WEAVING CUT PILE FABRIC
James A. Fligg, Elkins Park, Pa.
Application February 24, 1933, Serial No. 658,285
2 Claims. (Cl. 139—116.6)



1. The method of weaving a weft cut pile fabric which consists in shedding warps to form upper and lower sheds upon opposite sides of stationary guides which extend in a direction parallel to the warps and which carry knives, simultaneously shooting a pile weft through the upper shed and a base weft through the lower shed, with the pile weft floating over the guides and certain of the warps, shedding the warps to weave in the base weft, and at the same time tying in the pile weft at differently spaced intervals, said shedding again forming upper and lower sheds upon opposite sides of the said guides, simultaneously shooting the pile weft and the base weft through the upper and lower sheds respectively, then shedding the warps to weave in the base weft and tie in the pile weft along warps which are adjacent to the tying in warps which tie in the pile weft on the first mentioned shot, repeating the above noted shedding and shooting operations to tie in the pile wefts of alternate shots along the same warps, in one longitudinal zone the points of tying of alternate pile wefts being within the points of tying of intermediate pile wefts, and in the next adjacent longitudinal zone the points of tying of the intermediate pile wefts being within the points of tying of the alternate pile wefts.

2,075,188
FLASHING GASEOUS DISCHARGE LAMP
William Foerste, Pelham Manor, N. Y., assignor, by direct and mesne assignments, to Packard Properties, Inc., New York, N. Y., a corporation of New York
Application June 20, 1934, Serial No. 731,433
3 Claims. (Cl. 177—346)



1. In a positive column gaseous discharge tube system, comprising a source of alternating current and a plurality of said tubes of progressively decreasing breakdown voltage: means to connect one terminal of said source to one terminal of each of said tubes and including an impedance device in series, pairs of juxtaposed contacts, one pair for each tube except the one with the highest breakdown voltage and each pair embodying a stationary and a juxtaposed movable contact element, all of the movable contacts being connected to the other terminal of said source, and electrically operating means adapted for energization of each of the tubes, except the one with highest breakdown voltage, for moving the movable contact elements into contact with a juxtaposed stationary contact element, said electrically operating means for the lamp immediately succeeding the one of highest breakdown voltage being included in circuit with the energizing circuit of the latter, and the successive electrically operating means for succeeding tubes in circuit with the energizing circuit of its immediately preceding tube, together with electrically operating means for separating the contact elements included in circuit with the energizing circuit of the associated lamp.

2,075,189
CRINKLED RUBBER AND METHOD OF MAKING
James J. Galligan and William J. Robinson, Providence, R. I., assignors to United States Rubber Products Inc., New York, N. Y., a corporation of Delaware
Application October 24, 1935, Serial No. 46,469
15 Claims. (Cl. 154—33)



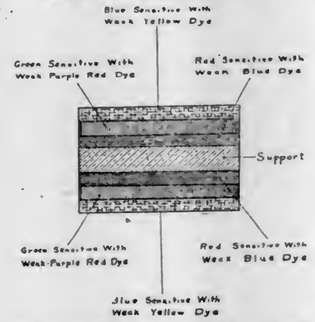
1. The method of making a crinkled elastic sheet material which comprises superposing at least two plies of rubber or like material, uniting said plies on closely spaced areas while maintaining one ply stretched in one direction, and then relaxing the composite sheet to thereby crinkle one side, subsequently stretching it in a direction at an angle to that of the first stretching and again relaxing the sheet to thereby increase the variation in height of the individual crinkles.

2,075,190
COLORED PHOTOGRAPHIC MATERIALS AND METHOD OF PRODUCING THEM
Béla Gaspar, Brussels, Belgium
No Drawing. Application April 19, 1934, Serial No. 721,400. In Germany April 19, 1933
13 Claims. (Cl. 95—7)

1. A method of producing colored photographic materials which comprises producing in a light sensitive silver halide emulsion a substantially water insoluble, non-diffusing compound by the addition of a quaternary salt of a substantially colorless organic base and an acid dyestuff, and pouring the said emulsion having the dyestuffs incorporated therein on a support.

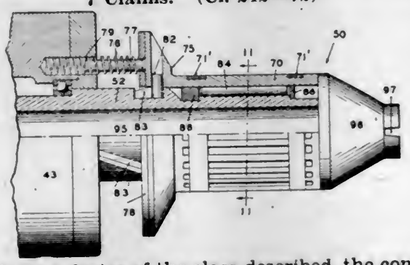
10. A photographic material comprising a colored, light sensitive silver halide emulsion layer containing a substantially water insoluble, non-diffusing compound of an acid dyestuff with a substantially colorless salt of a quaternary organic base.

2,075,191
METHOD OF PRODUCING COLORED PHOTOGRAPHS
Béla Gaspar, Brussels, Belgium
Application January 11, 1935, Serial No. 1,438
In Germany January 23, 1934
5 Claims. (Cl. 95—2)



1. A photographic material for producing colored cinematograph images, comprising a transparent support, duplicate sets of predyed light sensitive silver halide layers, one of said sets being on each side of said support, each of the layers of each set being differently colored to form a multi-color image and predominantly sensitized for light rays which are absorbed by the dyestuff in the layer, the dyestuff in each set of layers being insufficient in concentration for natural reproduction of an image but sufficient for natural color reproduction in combination with the set of layers on the opposite side of said support.

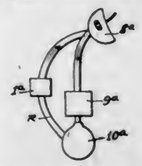
2,075,192
ROLL HANDLING MECHANISM
Walter C. George, St. Louis, Mo., assignor to Robert Gaylord, Incorporated, St. Louis, Mo., a corporation of Missouri
Application May 22, 1935, Serial No. 22,789
7 Claims. (Cl. 242—72)



2. In a device of the class described, the combination with a base, of a pair of pedestals carried thereby, an expansible paper roll chuck mounted means including a brake for one of the chucks, and sliding coupling rods extending through the chucks, said rods interlocking within the paper roll.

2,075,193
PROCESS FOR THE TREATMENT OF GASEOUS FLUIDS
Kurt A. Gerson, Kilburn, London, England
Application August 18, 1934, Serial No. 740,483
13 Claims. (Cl. 128—191)

6. Apparatus for treating gaseous fluids comprising, a plurality of containers connected in parallel relation to a plurality of conduits, valves controlling the flow of fluids through the respective containers, said containers being charged



with a highly porous granular material having the property of rapidly absorbing and slowly evaporating moisture.

2,075,194
HAIRPIN
Clark Arthur Gibson, Shelbyville, Ill., assignor to Sta-Rite Hair Pin Company, Inc., Shelbyville, Ill., a corporation of Delaware
Application May 7, 1934, Serial No. 724,436
5 Claims. (Cl. 132—50)



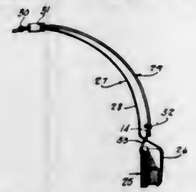
1. A hair pin formed relatively flat in cross-section and having the surface continuity of its outer faces interrupted substantially throughout the areas thereof to diffuse light from substantially all portions of such areas.

2,075,195
RAILWAY CAR WALL
Garth G. Gilpin, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware
Application March 16, 1933, Serial No. 661,112
2 Claims. (Cl. 105—409)



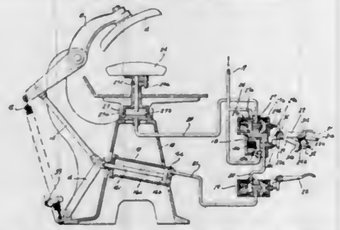
2. In a wall for a railway car comprising an upper chord, a lower chord, spaced apart vertical stakes connected to said chords and a web plate attached to said chords and stakes, said web plate provided with a panel extending from adjacent said chords and from adjacent said stakes in combination with a separate member on the inside of said wall conforming to the configuration of the lower part of the web plate and the panel therein, said member having its upper edge welded to the web plate and the panel therein, said member having its lower marginal part secured to the lower chord.

2,075,196
RECEIVER SUPPORT
Edgar H. Hand, Jarrettown, Pa.
Application April 12, 1935, Serial No. 16,005
2 Claims. (Cl. 179—156)



1. A device of the character described comprising a headband, a receiver supporting yoke pivotally and loosely secured to one end of said headband, and a positioning and clamping member secured to the lower face of said headband and having its lower end forming a receiver seat and passed through said yoke so as to press a receiver supported by said yoke into close contact with the head of the user.

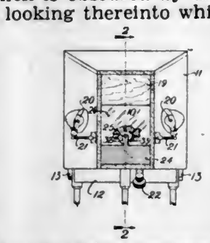
2,075,197
OPERATING MEANS FOR PRESS CONTROL MECHANISM
Angus F. Hanney, Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application October 1, 1935, Serial No. 43,067
7 Claims. (Cl. 38—25)



1. In a pressing machine a pair of coacting relatively movable pressing members, motor means operable in two steps for causing relative approach movement between said pressing members, a first step into preliminary position and a second step into final pressing position, control means for said motor means including a member for controlling each of said steps, and an operative connection between a control member for the first step and a control member for the second step operative to move said second step control member in fluid supply direction upon movement of said first step control member in fluid cut-off direction.

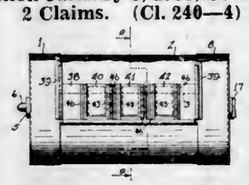
2,075,198
DELUSION APPARATUS
Otto C. W. Henze, Brooklyn, and Ruth V. Tremain, New York, N. Y.; said Tremain assignor to said Henze
Application November 2, 1932, Serial No. 640,750
7 Claims. (Cl. 35—59)

1. In an apparatus of the class described, a rectangular shaped mirror, a mirror extension rising from said mirror and of an outline substantially corresponding to that of a human face and of an area to define the facial features exclusive of the hair of an observer when viewed from a predetermined distance by both of the observer's eyes simultaneously, and a fixed coiffure representation behind said mirror, a portion of which is obscured by said mirror extension when looking thereinto while the remaining



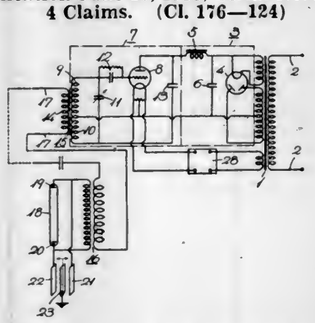
portions of said coiffure representation surrounds the reflected image of the observer's face to produce a delusion.

2,075,199
BED LAMP
William J. Horner, Piedmont, Calif.
Application January 8, 1935, Serial No. 891
2 Claims. (Cl. 240—4)



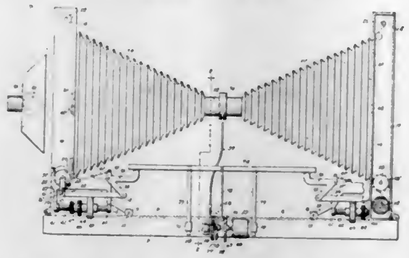
1. A lamp comprising a casing having a window therein extending substantially throughout the length of the casing, a light mounted in the casing, a large shutter equal in length to the window and being slidable over the casing for closing the window to the desired extent, said shutter having openings therein, and small shutters for controlling the amount of light passing through the small shutter openings, said small shutters being designed to entirely close the openings in the large shutter if desired.

2,075,200
MEANS FOR LIGHTING GAS DISCHARGE TUBES
Masaru Ibuka, Tokyo, Japan
Application June 17, 1935, Serial No. 27,084
4 Claims. (Cl. 176—124)



1. Means for lighting gas discharge tubes comprising an oscillator which produces the voltage of super audio-frequencies, a gas discharge tube connected to the output circuit of said oscillator to be energized therefrom, means for changing the frequency of said oscillator gradually and periodically, and means for applying to the electrodes of said gas discharge tube, in synchronism with the frequency changing operation of said oscillator, alternately different electrostatic potentials with respect to the earth.

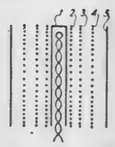
2,075,201
LINE SPACING MACHINE
Harry C. Jones, New York, N. Y.
Application May 4, 1934, Serial No. 723,845
12 Claims. (Cl. 88—24)



1. A line spacing machine for photographically reproducing subject-matter in line formation, a print producing element carrying subject-matter in line formation, a print receiving element adapted to receive the lines of subject-matter, means for moving the first element and the second element intermittently, means operable pursuant to said movements for exposing the second element with reference to a line of subject-matter on the first element, and means for varying the extent of intermittent movement of the first element including a ratchet wheel, a movable pawl engaging the wheel, and means for adjusting the stroke of the pawl.

12. In a machine of the character described, means for moving a member into position to expose a predetermined area thereof including a continuously rotatable member, a reciprocatory member reciprocated by said rotatable member, a pivoted lever connected to and operated by said reciprocatory member, a second lever connected at one end to and operated by the pivoted lever, means having a variable movement operatively connecting the other end of said second lever to said first-mentioned member, and means for varying the movement of said other end of said second lever to vary the movement of said connecting means, said last-mentioned means including an adjustable fulcrum for said second lever.

2,075,202
ELECTRON DISCHARGE TUBE
Johan Lodewijk Hendrik Jonker, Eindhoven, Netherlands, assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands
Application March 10, 1936, Serial No. 67,999
In the Netherlands December 12, 1934
1 Claim. (Cl. 250—27.5)



An electron discharge tube having an electrode mount assembly comprising a cathode and anode, and at least three successive grids between said cathode and anode, the grid next to said cathode having a variable pitch and the grid next to the anode having a pitch which conforms substantially to the pitch of the grid next to the cathode, the wires of the last two mentioned grids being in substantial alignment.

2,075,203
HYDRATION OF OLEFINES
Walter Philip Joshua, Cheam, Herbert Muggleton Stanley, Tadworth, and John Blair Dymock, Sutton, England
No Drawing. Application December 22, 1933, Serial No. 703,674. In Great Britain January 24, 1933
8 Claims. (Cl. 260—156)

1. The method of producing ethyl alcohol comprising combining ethylene with sufficient water vapor to ensure predominant ethyl alcohol formation at elevated temperature between 100° C. and 350° C. in the presence of a solid catalyst comprising essentially phosphoric acid and a substantial amount of a metal taken from a group consisting of calcium, barium, strontium and magnesium, the amount of phosphoric acid present in the catalyst being in excess of that required to form the corresponding ortho-phosphate but not in so great an excess as to make the catalyst fluid.

2,075,204
HYDRATION OF OLEFINES
Walter Philip Joshua, Cheam, Herbert Muggleton Stanley, Tadworth, and John Blair Dymock, Sutton, England
No Drawing. Application December 22, 1933, Serial No. 703,675. In Great Britain January 24, 1933
12 Claims. (Cl. 260—156)

1. The method of producing oxygenated aliphatic compounds from olefines other than ethylene comprising combining the olefine with water vapor at elevated temperature between 100° C. and 350° C. in the presence of a solid catalyst comprising essentially phosphoric acid and a substantial amount of metal taken from a group consisting of calcium, barium, strontium and magnesium, the amount of phosphoric acid present in the catalyst being in excess of that required to form the corresponding ortho-phosphate but not in so great an excess as to make the catalyst fluid.

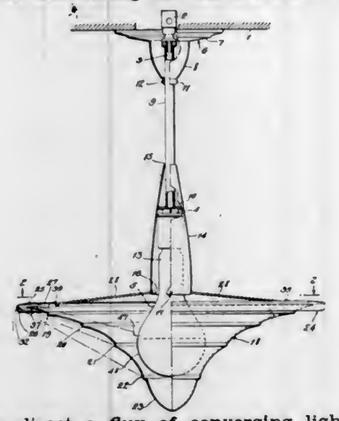
2,075,205
PURIFICATION OF ALCOHOLS
Alfred E. Jurist and Louis W. Green, Brooklyn, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application February 27, 1935, Serial No. 8,569
13 Claims. (Cl. 260—156)

1. In the purification of alcohols, the step that comprises contacting them with the nitrate of an easily reducible metal, such contact being effected in the absence of alkali.

2,075,206
LIGHTING FIXTURE
Walter W. Kantack, St. Albans, N. Y.
Application March 5, 1935, Serial No. 9,356
13 Claims. (Cl. 240—78)

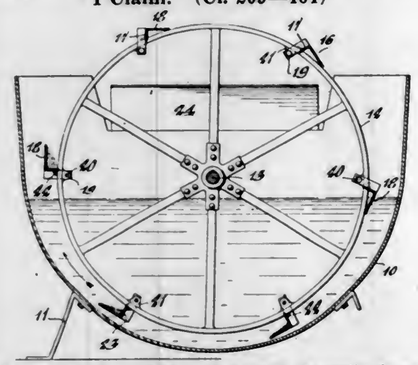
3. A lighting fixture comprising an uninterrupted cupped shell having a free edge, a light source disposed inside of said shell, and an opaque endless channeled light reflector separate and spaced from said free edge of the shell, said reflector having inner light reflecting surfaces, certain of said surfaces being positioned inwardly of the inner face of said shell and facing the light source to intercept direct light rays from said source and reflect them onto another of the light reflecting surfaces of said channeled reflector,

said last mentioned surface being positioned outwardly of and facing the outer surface of the



shell to direct a flux of converging light rays to illuminate substantially the entire outer surface of said shell.

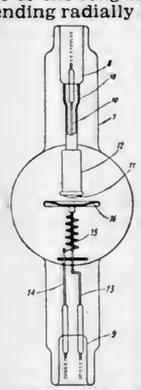
2,075,207
SAND DEWATERING APPARATUS
Lee H. Kessler, Springville, N. Y.
Application June 20, 1933, Serial No. 676,690
1 Claim. (Cl. 209—464)



An apparatus of the character described, comprising a revolvable wheel, and a two walled sand-receiving shelf disposed transversely and exteriorly of the wheel-periphery and pivoted thereto to swing toward and from the same, both of said walls being disposed at one side of said pivot with one wall disposed radially of the wheel and the other in spaced circumferential relation thereto, and a stop member applied to said shelf in opposing relation to the wheel-periphery for engagement therewith to limit the swinging of the shelf in a direction away from such periphery.

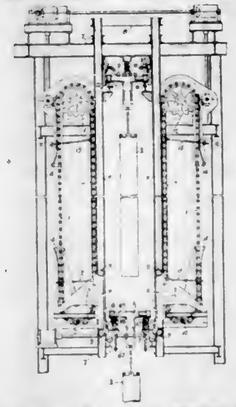
2,075,208
ELECTRON DISCHARGE DEVICE
Otto Krenzien, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application July 19, 1935, Serial No. 32,200
In Germany December 22, 1933
4 Claims. (Cl. 250—27.5)

1. An electron discharge device having an envelope containing a gaseous atmosphere, an anode having a lead-in supported within said envelope and having a surface transverse to the longitudinal axis of the envelope, a cathode oppositely disposed to said anode and having an electron emitting surface, a shield connected to the cathode and positioned between the emitting surface of said cathode and the anode and having a surface transverse to the longitudinal axis of the envelope and extending radially beyond the anode



and cathode, whereby the discharge path of the electrons from the emitting surface of said cathode to said anode is greater than the distance between said anode and said shield, and a shield around said anode and its lead-in spaced from said anode at such a distance that no discharge will occur between the shield and the anode and its lead-in under operating conditions of voltage and gas pressure, said shield being open only at the transverse surface of the anode.

2,075,209
ELEVATOR FOR CONVEYER TRUCKS
Walter A. Kuebler, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 3, 1935, Serial No. 34,511
12 Claims. (Cl. 104—128)



1. An elevator for transferring a conveyer truck between different parallel track levels, comprising a plurality of vertical columns defining a shaft, a pair of carriages on opposite sides of said shaft disposed for vertical reciprocation, means on each of said carriages for supporting a truck, means for retracting said supporting means at predetermined time cycles, and means for operating said carriages simultaneously and in synchronism.

2,075,210

PROCESS FOR THE AGGLOMERATION OF FINE IRON ORES

Eugen Kugener, Neunkirchen/Saar, Germany

No Drawing. Application April 3, 1936, Serial No. 72,659. In Germany December 7, 1933
2 Claims. (Cl. 75—5)

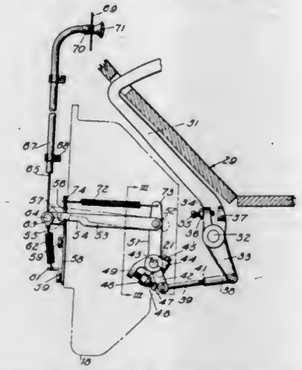
1. The process of treating finely divided iron ore comprising coking the so-called coal middlings recovered in coal washing plants, disintegrating the thus produced coke, mixing the coke particles with the fine ore and sintering the mixture on a sintering machine at an adequate temperature to form rigid agglomerates.

2,075,211

AUTOMATIC CLUTCH MECHANISM

Robert P. Lewis, Toledo, Ohio, assignor to Automatic Drive and Transmission Company, Gloucester City, N. J., a corporation of New Jersey

Application September 2, 1933, Serial No. 688,018
21 Claims. (Cl. 192—105)



1. For use in a clutch mechanism having a movably mounted clutch member and actuating means tending to urge said member in one direction; latch means operably associated with said clutch member; means providing a one-way connection between said clutch member and said latch means, and adapted to render said latch means capable of holding said member against the action of said actuating means; and means for causing said latch means to tend to follow said member when the latter is moved against the action of said actuating means.

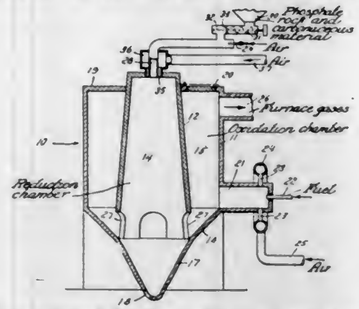
2,075,212

MANUFACTURE OF PHOSPHORIC ACID

Charles L. Levermore, Rockville Centre, and Robert E. Vivian, New York, N. Y., assignors to General Chemical Company, New York, N. Y., a corporation of New York

Application March 17, 1933, Serial No. 661,266
6 Claims. (Cl. 23—165)

5. The method of producing phosphorus pentoxide which comprises introducing relatively finely divided phosphate rock and relatively finely divided carbonaceous material into a reduction zone, reducing the phosphate rock at elevated temperatures while in suspension in a reducing gaseous atmosphere to release elemental phosphorus from the phosphate rock, separating the gaseous products containing phosphorus from the non-gaseous residue of the reduction reaction, introducing said gaseous products together with oxygen into an oxidation zone maintained in indirect heat exchange relation with said reduction zone, oxidizing the phosphorus to phosphorus pentoxide in said oxidation zone whereby the



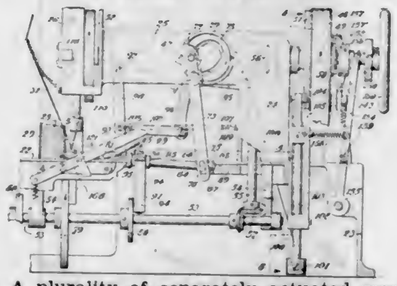
heat generated by the oxidation reaction is utilized in effecting the reduction reaction, and recovering phosphorus pentoxide.

2,075,213

ARTICLE COVERING MACHINE

Arthur Lindner, Brooklyn, N. Y.; Oscar A. Lindner and Aurelie Muller, executors of Arthur E. Lindner, deceased, assignors to The L. & H. Special Machine Co. Inc., Brooklyn, N. Y., a corporation of New York

Application February 23, 1934, Serial No. 712,447
18 Claims. (Cl. 66—1)



1. A plurality of separately actuated mechanisms for a core covering machine, the latter comprising means for intermittenly moving the core in a plane a distance substantially equal to the thickness of the covering strands, one of said mechanisms including a latch needle having various movements relative to the core, including movements to and from opposite sides of the core in a plane substantially at right angles to the plane of movement of the core, for applying a strand of covering material around the core between the intermittent movements thereof, and another of said mechanisms comprising a looper adapted to form strand loops and present the same to the needle and effective for such purpose through the plane of movement of the needle and at the opposite sides of the core.

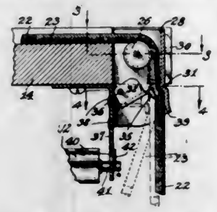
2,075,214

VENETIAN BLIND FITTING

Hans K. Lorentzen, Montclair, N. J.

Application April 4, 1935, Serial No. 14,557
Renewed October 28, 1936
10 Claims. (Cl. 156—17)

5. A Venetian blind fitting comprising a casing extending substantially vertically and inclosing a pair of ropes, the casing carrying an inwardly projecting surface curved in horizontal outline, and a rope-locking lever mounted on a pivot located across from the curved surface and having a free end extending toward said surface, the lever being freely movable in an arc and the free end of the lever being normally biased toward an unlocked position where its free end



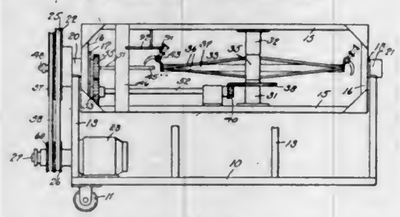
lies below the curved surface and spaced therefrom a distance greater than the thickness of the ropes, the free end of the lever being swingable by contact of the ropes to be locked to a position opposite the curved surface and spaced therefrom a distance less than the normal thickness of the ropes.

2,075,215

SEWER CLEANING APPARATUS

John O. Magruder, Los Angeles, Calif., assignor of one-half to George H. Werfelman, Los Angeles, Calif.

Application July 24, 1935, Serial No. 32,887
10 Claims. (Cl. 242—90)



1. Sewer cleaning apparatus, comprising a carriage, a frame revolubly mounted in said carriage upon trunnions disposed in the longitudinal axis of the frame, one of said trunnions being tubular, a hollow-shaft rotatably borne in said tubular trunnion, a wire-reel rotatably mounted in said frame having its axis of rotation disposed at right angles to the axis of rotation of the frame, operative connections to drive said reel from said shaft, and means to drive said tubular trunnion and said shaft to simultaneously and independently rotate said frame and said reel.

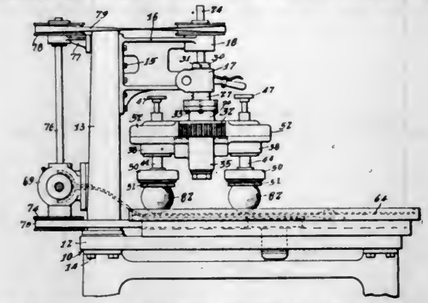
2,075,216

VALVE SEAT LAPPING MACHINE

Victor Mancuso, Los Angeles, Calif., assignor to Axelson Manufacturing Company, Los Angeles, Calif., a corporation of California

Application October 14, 1935, Serial No. 44,836
2 Claims. (Cl. 51—27)

1. In a lapping machine, a planetary head having a plurality of spaced spindles, means for rotating the head, means for rotating each of said spindles during the rotation of said head, each of said spindles having means for operatively carrying a valve seat to be lapped, a valve ball for each of said seats, a rotative resilient tractive surface for causing the valve ball positioned between each of said seats and said surface to be rotated and turned so that all portions of each ball will be brought into engagement with its seat during the lapping operation, means for rotating said surface, and said tractive surface having a center of rotation beyond the cycloidal like path scribed by the balls upon said surface so that the balls will roll along ever changing paths.



2,075,217

BOTTLE HOLDER

Frank S. Milburn, Covington, Ky.

Application June 13, 1935, Serial No. 26,462
5 Claims. (Cl. 215—100)



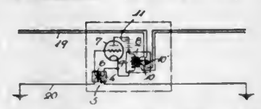
1. A bottle holder comprising a cup shaped base adapted to receive a bottle base, an inverted centering gutter on the top edge of said holder base, a grip member attached to said holder base and arising therefrom and means integral with said grip member and formed from a single forked piece of sheet metal on the upper end of said grip member to engage and retain the neck of a bottle, the base of which bottle is at the time resting in the cup shaped holder base.

2,075,218

DEVICE FOR REMOVING UNDESIRABLE FREQUENCIES FROM ELECTRIC CIRCUITS

Jisuke Miyazaki, Tokyo, Japan

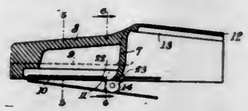
Application July 3, 1935, Serial No. 29,758
2 Claims. (Cl. 179—78)



1. A device for removing the undesirable frequencies from a communication line, comprising a communication line, a protecting wire stretched along said communication line and grounded at least at two points to induce a voltage having the same wave form as that of induced voltage on the communication line due to the electro-magnetic induction from the adjacent power lines, an electric valve amplifier, a coupling means for applying the induced voltage on said protecting wire to the grid of said valve, and a transformer for transforming said magnified induced voltage to be same in magnitude while opposite in phase

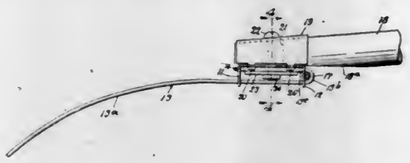
with that of the induced voltage on said communication line, the secondary winding of said transformer being inserted in said communication line.

2,075,219
ANIMAL HEAD FORM
James N. Naulty, East Orange, N. J.
Application March 26, 1936, Serial No. 70,964
4 Claims. (Cl. 35—20)



1. A form for the head skin of an animal fur, comprising a one piece integral hollow skull formation of a material having the characteristics of rubber and including an approximately vertical transverse frontal wall of substantially uniform thickness and extending continuously across the interior of the skull formation practically the full height of the article, a hollow snout portion projecting forwardly from said frontal wall and having a bottom wall with a transverse slot opening upwardly into the hollow snout, in front of said transverse substantially vertical frontal wall to receive the upper jaw of a holding clamp and a light flexible thin dome wall portion extending rearwardly in arched form from the upper part of said frontal wall.

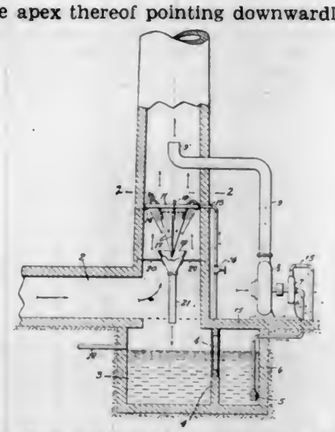
2,075,220
RAKE
Sebastian P. Neuhausen, Lombard, Ill.
Application December 9, 1935, Serial No. 53,498
5 Claims. (Cl. 55—114)



1. A rake comprising a cross head provided with front and rear flanges provided with aligned openings therethrough, tines formed in integral pairs of U-shape extending through the openings of said flanges, and means cooperating with said rear flange and passing through each of the tines at the rear ends thereof for restraining forward displacement of the tines.

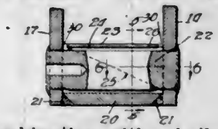
2,075,221
SMOKE WASHER
Rafael Prado Palenzuela, Habana, Cuba
Application June 1, 1934, Serial No. 728,619
6 Claims. (Cl. 261—117)

1. In chimneys the arrangement of a sprayer set within a stack, said sprayer having a plurality of openings or nozzles spaced together and arranged in such a manner that the jets ejected from said openings or nozzles converge to a predetermined point, forming a hydraulic cone through which the combustion gases are forced to pass out, a collector member carried by said sprayer comprising a plurality of triangular plates secured together at substantially right angles and with the apex thereof pointing downwardly, said



collector being positioned to intercept the spray forming said hydraulic cone.

2,075,222
BOILER
Horace H. Peek, Sr., Chattanooga, Tenn.
Application May 13, 1936, Serial No. 79,520
9 Claims. (Cl. 122—369)



1. The combination with a boiler of the internal fire-box type having water legs surrounding the fire box and a horizontal series of stay bolts adjacent to the bottom of the water legs, of a substantially horizontal guard ring above said stay bolts.

2,075,223
PENCIL LEAD AND THE ART OF MAKING THE SAME
Adolf Pischel, New York, N. Y., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
No Drawing. Application September 10, 1934, Serial No. 743,411
15 Claims. (Cl. 120—83)

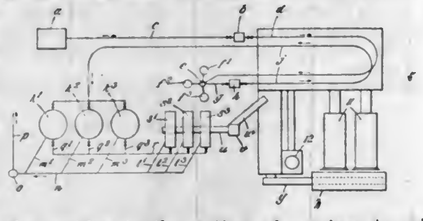
1. The method of preparing a pencil lead which consists in incorporating a comminuted wax with the filler, pigment and binder of the plastic stock of the lead and after forming the lead, subjecting the latter to a bath of molten wax.

13. An unfired pencil lead comprising filler, pigment and binder with admixed wax substantially throughout the body and in the core of the lead and additional wax impregnating interstices formed in the conventional drying of the lead.

2,075,224
SEWAGE DISPOSAL
William King Porteous, St. Margaret's Twickenham, England, assignor of fifteen per cent to William Thomas Towler, London, England
Application April 27, 1935, Serial No. 18,703
In Great Britain February 28, 1935
1 Claim. (Cl. 210—2)

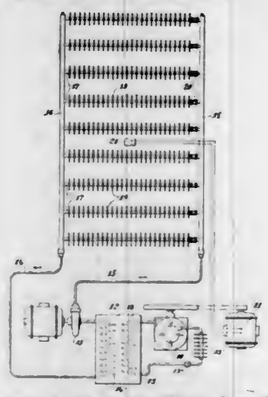
A process of treating sewage comprising passing sewage sludge in heat exchange relation with hot sludge discharging from a heating receptacle,

introducing the preheated sludge into a second receptacle and heating the sludge therein at a pressure of about 100 pounds per square inch, conducting the hot sludge in heat exchange relation with fresh sludge flowing to a third receptacle, conveying the cooled sludge to a settling tank, decanting the supernatant liquid, subject-



ing the residue to the action of a mixer to mix intimately the fine and fibrous material, and then filtering the mixed suspension, the fibrous material in said residue thereby building up a superstructure during filtering which holds the fine material without such loss of porosity as to prevent the passage of the liquid.

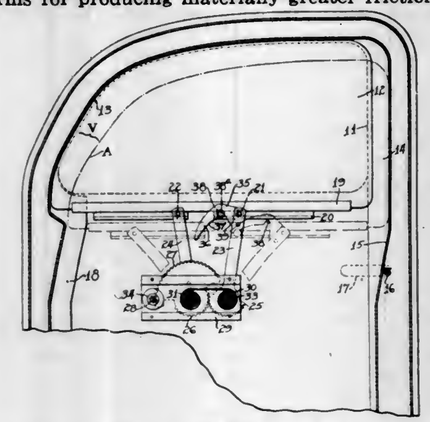
2,075,225
HUMIDITY CONTROL FOR REFRIGERATING MECHANISM
Edwin M. Post, Jr., New York, N. Y., assignor to International Motor Company, New York, N. Y., a corporation of Delaware
Application July 18, 1933, Serial No. 680,934
4 Claims. (Cl. 62—6)



1. The method of controlling humidity in a refrigerating system having a refrigerated space, a heat interchange element, and a cooling fluid circulating system comprising maintaining a predetermined temperature in the refrigerated space, determining the temperature of the heat interchange element, and preserving a desired temperature differential between the space and element by varying the effective area of the heat interchange element.

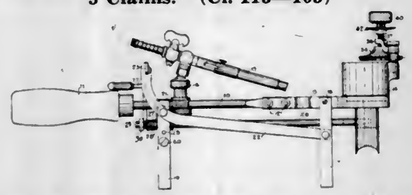
2,075,226
VENTILATING WINDOW
Clarence E. Rickel, Toledo, Ohio, assignor to Automobile Ventilation, Inc., Detroit, Mich., a corporation of Michigan
Application March 22, 1935, Serial No. 12,394
10 Claims. (Cl. 268—126)

1. In a regulator mechanism for a window having a rail secured to the lower edge thereof, a pair of swinging arms slidingly connected to the rail for raising and lowering the window, and spring means adjacent the outer ends of said arms for producing materially greater frictional



resistance between one arm and the rail than between the other arm and the rail during swinging movement of the arms thereby to urge the window longitudinally in its plane during its raising and lowering movements.

2,075,227
SOLDERING IRON AND ACCESSORIES
Harold B. Ring, Brooklyn, N. Y.
Application August 20, 1934, Serial No. 740,577
5 Claims. (Cl. 113—105)

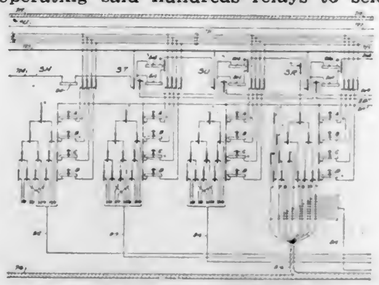


1. In a device of the class described, the combination of a soldering iron with a stand, comprising, a handle bar, a solder-container, means for securing the latter to the handle bar, a bracket mounted upon said handle bar, the stand having its legs pivotally attached to the aforesaid means, and bracket, respectively, a projection upon said bracket and a screw bolt upon one of the legs coacting with said projection to secure the stand in unfolded position, a valve rod arranged through said bracket for cooperation with the solder container, and means mounted upon said valve rod, whereby to manipulate the latter.

2,075,228
STOCK-QUOTATION SYSTEM
Harold C. Robinson, Chicago, and John I. Bellamy, Brookfield, Ill., assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application July 10, 1931, Serial No. 549,969. Divided and this application October 5, 1932, Serial No. 636,320
23 Claims. (Cl. 177—353)

1. In a stock-quotation receiver, two receiver sections each having a separate group of stocks assigned thereto, corresponding stocks in the two groups being identified by corresponding hun-

dreds, tens, and units digits, a group of hundreds stock-selection relays common to both sections, two groups of tens stock-selection relays individual to the two sections, respectively, means for operating said hundreds relays to select a



group of tens relays in both of said sections, section identifying means, and means responsive to the units digit and to said identifying means for selecting a stock in a predetermined one of said sections only.

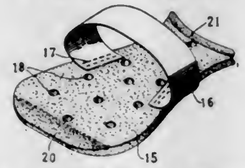
2,075,229

SAFETY BATH FOOT PAD

James Rose, Mount Vernon, N. Y.

Application July 25, 1935, Serial No. 33,028

1 Claim. (Cl. 36—62)



A non-slip safety bath foot fitting pad comprising a band adapted to pass over the top of the foot and a pad adapted to be worn under and contiguous the ball of the foot and having a tread surface comprised of yieldable cork particles held together by a flexible adhesive and adapted to reduce any tendency for the wearer to slip in a bath tub or around a tile pool without danger of scratching, the pad being held by said band and being substantially wider than the band and of an extent sufficient to contact with substantially the entire ball portion of the foot from at least just behind the toes, under the metatarsal bones, to adjacent the forward portion of the arch, and said band and pad being of such weight and thickness as not to impede the natural movements of the feet in swimming and diving, said band being of elastic material.

2,075,230

PRODUCTION OF SICCATIVES

Hermann Schatz, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany

No Drawing. Application September 12, 1931, Serial No. 562,602. In Germany October 21, 1930

15 Claims. (Cl. 134—57)

1. In the production of siccatives from organic acids containing at least 7 carbon atoms and an at least equimolecular proportion of salts of "siccative base metals" capable of forming water-insoluble salts with the said acids, the step which comprises carrying out the reaction in the presence of an amine the latter being employed in an amount of from one half to one and a half molecular proportions of said acids, any water-soluble salts still present being washed out from the reaction product.

2,075,231

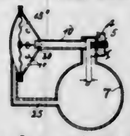
INTERNAL COMBUSTION ENGINE

Emil Schimanek, Budapest, Hungary, assignor to firm Société du Carburateur Stratos, Paris, France

Application November 21, 1934, Serial No. 754,066

In Austria June 18, 1934

11 Claims. (Cl. 123—103)



1. An apparatus for automatically regulating the fuel supply to an internal combustion engine having a suction pipe connected with a fuel supply system comprising means for cutting off the fuel supply through the automatic application to the fuel supply system of a substantially constant pressure when the engine speed maintains a suction in said pipe to create a pressure therein less than said substantially constant pressure.

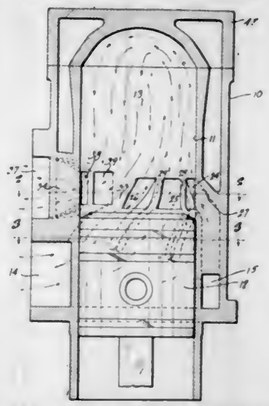
2,075,232

METHOD AND MEANS FOR SCAVENGING

Heinrich Schneider, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

Application October 24, 1932, Serial No. 639,307

25 Claims. (Cl. 123—65)



5. In combination with the cylinder and piston of a two cycle internal combustion engine, a plurality of scavenging air inlet ports and port nozzles connected thereto, and extending therefrom beyond the cylinder wall and beyond the zone of the ports, in a direction toward the crank end of the cylinder, the ports being disposed near the inner end of the cylinder, said nozzles being formed to direct streams of air within and toward the outer end of the cylinder, the ports and nozzles each being constructed to constrict the stream of air after issue from said port; and the ports and nozzles being of such shape and trend as to effect their smooth and gradual convergence and produce within the cylinder, a single resultant outwardly moving column of air resulting from coalescence of the streams from said ports, and to restrict said air column to a sectional area not substantially greater than the combined areas of said ports, and substantially less than one-half the transverse sectional area of the cylinder.

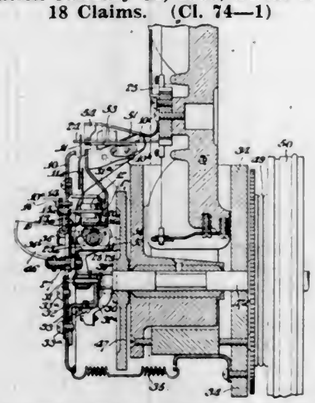
2,075,233

MECHANICAL RELAY APPARATUS

John F. Schock, Philadelphia, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 31, 1935, Serial No. 4,214

18 Claims. (Cl. 74—1)



1. The combination with a mechanical relay apparatus comprising a primary movable member, a pair of feelers disposed to engage opposite sides of said member, means for intermittently separating said feelers, means operable during inoperative periods of said separating means to move said feelers substantially into engagement with said member in any position within its range of movement, a secondary member movable in accordance with the position of said feelers when engaging said primary member, of means for procuring an adjustable clearance between said feelers and said member when in engaging relationship to adjust the sensitivity of the apparatus.

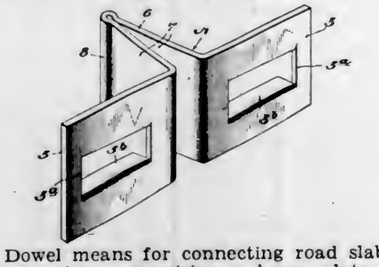
2,075,234

DOWEL FOR ROADWAY EXPANSION JOINTS

Walter F. Schulz, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Ohio

Application May 28, 1935, Serial No. 23,923

8 Claims. (Cl. 94—8)



1. Dowel means for connecting road slabs at joint locations comprising a beam plate of a depth to extend above and below the horizontal axis of the slab and including a relatively folded body portion adapted to be disposed in the space between the slabs with the bight of the fold disposed perpendicular to and below the surface of the slabs and the wings thereof disposed toward the side edges of the slab, said body having anchoring end portions at the ends of the wings for embedment in the slabs and also adapted to be disposed perpendicularly to and below the surface of said slabs whereby all vertical loading stresses are imposed edgewise through the entire beam plate.

2,075,235

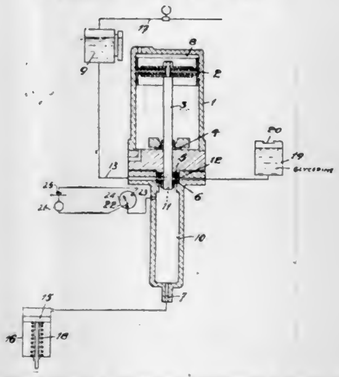
HYDRAULIC PRESS AND SIMILAR APPARATUS

David Sciaky, Paris, France

Application February 1, 1934, Serial No. 709,390

In France February 6, 1933

1 Claim. (Cl. 60—54.5)



In combination, a system including two rigidly interconnected pistons of unequal surfaces and two cylinders for said pistons respectively, the piston of larger surface being adapted to be actuated by a fluid under pressure, a liquid filling the cylinder of the piston of smaller surface, a movable member operative by the liquid pressure in said last mentioned cylinder, a liquid containing tank placed at a certain distance above said cylinders, means in the smaller piston for connecting said tank with the last mentioned cylinder when said pistons are in the position of rest, a closed reservoir containing a liquid to be mixed with the liquid from said tank, means for connecting said reservoir with said last mentioned cylinder when the pistons are in the position of rest, and means for exerting an adjustable fluid pressure on the liquid in said tank, whereby the position of said movable member corresponding to the position of rest of said pistons can be adjusted, and it is possible, by varying said adjustable fluid pressure when the pistons are in the position of rest to introduce a certain amount of the liquid in said reservoir into said second mentioned cylinder.

2,075,236

HEAT EXCHANGE APPARATUS AND ELEMENT OR PLATE THEREFOR

Richard Seligman, Wimbledon, William Edward Crosby, Kingston, and Hugh Frederick Goodman, Barnes, London, England, assignors to The Aluminium Plant and Vessel Company Limited, Wandsworth, London County, England, a British company

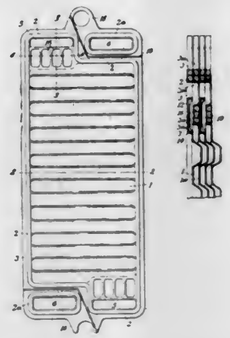
Application December 15, 1934, Serial No. 757,690

In Great Britain December 20, 1933

10 Claims. (Cl. 257—245)

1. A unitary heat exchange element and packing holding member for use with surface heat ex-

changers of the juxtaposed plate type, comprising a sheet of metal having downwardly pressed marginal edges forming packing receiving grooves, a stiffening element secured to said marginal edges,



another downwardly pressed portion forming a recess located inwardly of the marginal edges and a stiffening bridge for said last mentioned downwardly pressed portion.

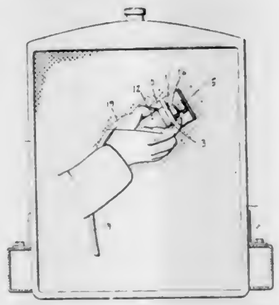
2,075,237

METHOD OF CLEANING WATER CONDUITS

George L. Sexton, Milford, Conn.

Application May 16, 1933, Serial No. 671,305

7 Claims. (Cl. 15—269)



4. The herein described method of loosening scale from the walls of water passages in automotive cooling systems which consists in setting up continuous vibrations in said scale limited in intensity to that sufficient to cause breaking up of the scale.

2,075,238

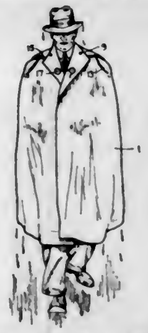
WATERSHEDDING GARMENT

Russell M. Stephens and Jennings C. Brown, New York, N. Y.

Application October 30, 1935, Serial No. 47,352

1 Claim. (Cl. 2—88)

A temporary water-resisting cape, comprising a one-piece blank of isosceles trapezoidal form and folded upon itself along the center portion near its shorter parallel edge to form a collar and at its opposite side edges to form lapels, and a plurality of folds at opposite ends of the collar, forming shoulder-fitting portions, all of the



folds at each end of the collar being held together at a single point.

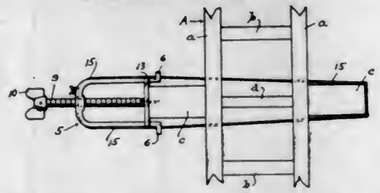
2,075,239

CONCRETE FORM CLAMP

George W. Strange, Indianapolis, Ind., assignor of one-fourth to James Hodgson, Indianapolis, Ind.

Application March 2, 1936, Serial No. 66,737

3 Claims. (Cl. 25—131)



3. A clamp of the character set forth comprising a yoke having a threaded aperture in its base and elongated grooves on opposite sides of said aperture, spaced ears on the extremities of the yoke, a follower-plate slidably mounted on the yoke and having an aperture therein, and a screw-bolt threadedly engaged in the threaded aperture of the yoke and having its inner extremity rotatably seated in the aperture of the follower-plate.

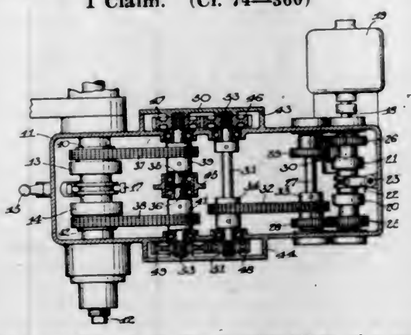
2,075,240

SPEED CHANGE MECHANISM FOR SCREW MACHINES

Herbert E. Tautz, Milwaukee, Wis.

Application June 28, 1935, Serial No. 28,820

1 Claim. (Cl. 74—360)



In a machine tool, the combination of a spindle, a plurality of shafts having respective driving

connections with said spindle, said driving connections including respective selectively engageable friction clutches each operable in either direction of rotation, an intermediate shaft, respective sets of power-transmitting pick-off gears connecting said intermediate shaft and first-named shafts, driving means for said intermediate shaft including forward gearing and reverse gearing, and selectively engageable friction clutches for controlling said forward and reverse gearing.

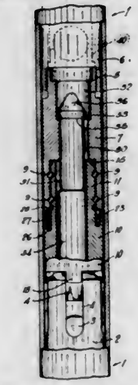
2,075,241

VALVE PULLING DEVICE

Lester O. Thompson, Oklahoma City, Okla.

Application October 28, 1935, Serial No. 47,120

4 Claims. (Cl. 294—86)



1. In valve pulling mechanism, the combination with the housing of a foot-valve for wells, and with a pump-rod, of deformations carried by the upper end of the housing, an upstanding outwardly flanged stud carried by the housing, a tubular interiorly shouldered element connected at its upper end to the lower end of the pump-rod, a second tubular element connected to the first element and rotatable with relation thereto upon an axis eccentric with the bores of both elements, and means carried by the lowermost of said elements for engaging said deformations and preventing its rotation with relation to the valve housing, said stud adapted to pass through the lowermost of said elements and into the uppermost element when the lowermost element is in engagement with said housing, whereby independent rotative movement of the upper element acts to dis-aline said bores for causing engagement of the shoulder with the flange.

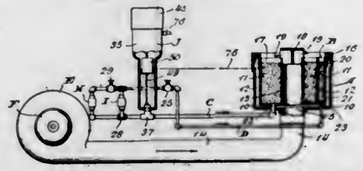
2,075,242

LIQUID FUEL BURNER

Vincent S. Todaro, Brooklyn, N. Y.

Application August 10, 1934, Serial No. 739,215

3 Claims. (Cl. 158—36)



1. In combination with a liquid fuel burner of the bowl type having a motor operated air feeding means and a fuel feeding means comprising a main electrically actuated valve which is opened when energized, an auxiliary electrically actuated valve which is opened when energized and connected in parallel relation with said main valve whereby when both valves are opened the rate of fuel feed is excessive; a control circuit including said motor, the actuating means for said valves, a main control switch, and switching mechanism responsive to the level of fuel in said bowl controlling energization of said motor and said auxiliary valve and operable when said main switch is closed and the fuel level is low to energize said auxiliary valve and when the level is high to deenergize said auxiliary valve and energize said motor.

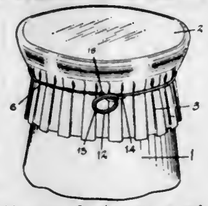
2,075,243

CLOSURE FASTENER

Bertis H. Urschel, Bowling Green, Ohio

Application April 30, 1936, Serial No. 77,093

2 Claims. (Cl. 215—94)



1. In a bottle cap fastener, a wire having overlapping end portions located one above the other and in contact with each other, the body part of the wire surrounding the skirt of the bottle cap, the over-lapping portions forming loops interconnected by twisting the ends of the said parts about each other in a direction to resiliently press the ends of each of the over-lapping portions against the other over-lapping portion, and opened by reverse movement to produce engagement of the ends of the over-lapping portions with the end portions of the said body part of the wire at the twist.

2,075,244

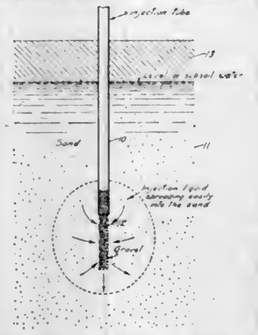
PROCESS FOR SOLIDIFYING EARTH

Jan van Hulst, Amsterdam, Netherlands, assignor to The Patents and Licensing Corporation, Boston, Mass., a corporation of Massachusetts

Application June 7, 1935, Serial No. 25,379

In the Netherlands June 14, 1934

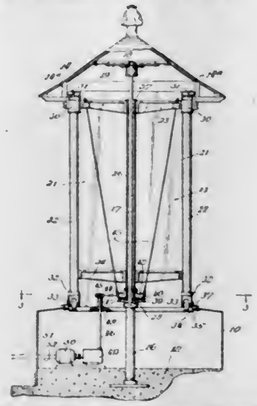
16 Claims. (Cl. 61—36)



1. In the process of making a porous soil layer impervious to fluids, the steps of placing a mass of relatively coarsely divided material in contact with said layer, and causing an aqueous disper-

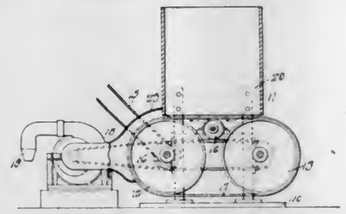
sion of bitumen to penetrate said porous layer through said coarse material without coagulating while in contact with the latter.

2,075,245
ROTARY SIGN
Leon F. Van Schuck, Wilmette, Ill., assignor to Western Display Company, Wilmette, Ill., a corporation of Illinois
Application July 27, 1936, Serial No. 92,850
16 Claims. (Cl. 40—33)



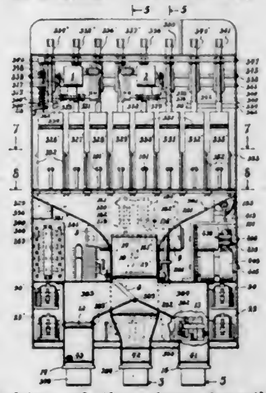
1. A device of the character described comprising a base, a top disposed in vertically spaced apart relation to said base, means for supporting the top in fixed relation to the base including a substantially centrally disposed upright member rigidly connected at its upper end to said top, a sign panel structure disposed between said base and top and rotatable about said upright support, and means for rotating said sign panel structure.

2,075,246
DEFIBERIZING DEVICE
Neil C. Ward, Chicago, Ill., assignor to Anderson-Tully Company, Memphis, Tenn., a corporation of Tennessee
Application July 9, 1932, Serial No. 621,561
4 Claims. (Cl. 83—75)



2. A device for disintegrating fibrous material such as wood, comprising an endless belt, supporting means for said belt providing a substantially flat top flight therefor, means for driving said belt at high speed, rigid teeth in staggered relationship on said belt and having points projecting upwardly on the top flight thereof and moving with said belt with such points in contiguous or overlapping paths, a bottomless hopper over the top flight of said belt and limited in horizontal extent to the area of said top flight, and pneumatic means for removing disintegrated material from said belt.

2,075,247
FARE BOX
Edwin F. Wheeler, Baltimore, Md., assignor of one-half to Charles C. Sanford, Hamilton, Baltimore, Md.
Application July 16, 1932, Serial No. 622,923
18 Claims. (Cl. 194—10)



1. A machine of the class described having automatic means to successively discharge change for full fare passengers operable upon the simultaneous or successive deposit of each of a plurality of predetermined coins of various denominations, means operable by momentary-contact remote control to automatically discharge change for half fare passengers, a chute to receive all of said change, means whereby change for full fare passengers is successively delivered to a plurality of receptacles, and means whereby change for half fare passengers is delivered to a location independent of the said receptacles.

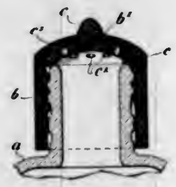
2,075,248
SPEAR
Harry P. Wickersham, Huntington Park, and Erwin Burns, Los Angeles, Calif.
Application November 28, 1933, Serial No. 700,060
3 Claims. (Cl. 294—96)



1. A spear including two elements, one a body adapted to run into a tubular fish, the other a tail piece movable upon the body, yieldable springs carried thereon to engage the wall of the fish and to resist movement of the body, a spiral slot being formed in the tail piece, a projection carried by the body member and extending into

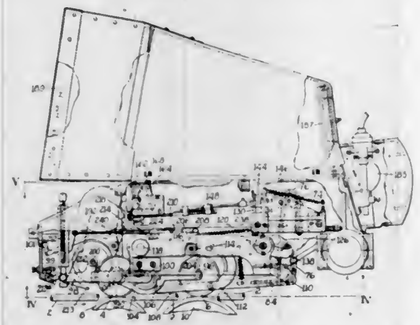
said slot, the slot and the tail piece having a relatively steep pitch and terminating in a portion lying in the transverse plane of the spear, the pitch of the spiral groove and the transverse portion being such as to prevent relative rotational movement between the body and the tail piece when the spear is moved longitudinally with the projection in the transverse portion of the slot and to produce relative rotation of the parts when the projection is in the spiral portion of the groove and is moved longitudinally or is rotated, an inclined part of the body, and a gripping member having a face cooperating with the inclined part and being related to the tail piece to be controlled in its operation by relative movement between the elements.

2,075,249
CLOSURE FOR CONTAINERS
Ralph W. Wilson, New York, N. Y.
Application November 23, 1935, Serial No. 51,209
1 Claim. (Cl. 221—16)



A closure for liquid containers comprising a cap member carried by the container and having an opening therein, a deformable closure member of yielding non-metallic material seated within the cap and having openings staggered with respect to the opening in said cap and having a protuberance normally seated in the opening in the cap but extending therethrough whereby pressure on the protuberance will displace the deformable member with respect to the cap and permit the escape of liquid through the aforesaid openings.

2,075,250
MEASURING MACHINE
Erastus E. Winkley, Lynn, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine, a corporation of Maine
Application August 3, 1933, Serial No. 683,491
24 Claims. (Cl. 33—148)



1. In a thickness measuring machine, a support constructed and arranged to receive a folded piece of work, calipers arranged for engagement with the double layers of the folded piece of work to caliper thickness dimensions thereof, said work support having a surface disposed laterally of and parallel to a line connecting said calipers to guide the fold in the work and to resist displacement of the folded work piece laterally in relation to the calipers, and means to cause relative movement of the calipers and the folded piece of work in a direction parallel to the fold in the work constructed and arranged to cause the calipers to engage the work along a line in spaced relation to the fold.

2,075,251
TREATMENT OF STABILIZED RUBBER DERIVATIVES
Herbert A. Winkelmann, Chicago, Ill., assignor to Marbon Corporation, a corporation of Delaware
No Drawing. Application May 11, 1936, Serial No. 79,174
6 Claims. (Cl. 106—23)

1. The method which comprises fluxing a rubber hydrohalide with elemental sulfur.

2,075,252
MODIFIED HALOGEN CONTAINING BUTADIENE BODIES
Herbert A. Winkelmann, Chicago, Ill., assignor to Marbon Corporation, a corporation of Delaware
No Drawing. Application May 10, 1935 Serial No. 20,894
5 Claims. (Cl. 260—1)

1. The method which comprises milling rubber and polymerized chloroprene, and subjecting said mixture to a hydrogen halide.

2,075,253
HYDROHALOGENATED VULCANIZED BUTADIENE BODIES
Herbert A. Winkelmann and Eugene W. Moffett, Chicago, Ill., assignors to Marbon Corporation, a corporation of Delaware
No Drawing. Application May 10, 1935, Serial No. 20,897
3 Claims. (Cl. 106—23)

1. A rubber derivative composition comprising the reaction product of a liquefied hydrogen halide and vulcanized rubber, and polymerized chloroprene.

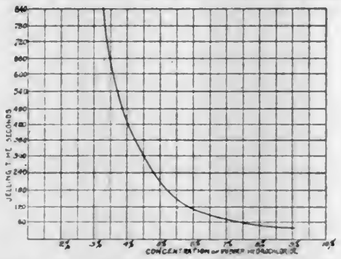
2,075,254
VULCANIZED HALOGEN CONTAINING RUBBER DERIVATIVES
Herbert A. Winkelmann, Chicago, Ill., assignor to Marbon Corporation, a corporation of Delaware
No Drawing. Application May 20, 1935, Serial No. 22,431
14 Claims. (Cl. 260—1)

5. The method which comprises reacting a rubber hydrohalides with sulfur under the influence of heat.

2,075,255
SETTING OF RUBBER HYDROCHLORIDE TRANSPARENT SHEETS
Erich Gebauer-Fuelnegg, Evanston, Ill., and Eugene W. Moffett, Gary, Ind., assignors, by mesne assignments, to Marbon Corporation, a corporation of Delaware
Application December 23, 1933, Serial No. 703,865
23 Claims. (Cl. 260—1)

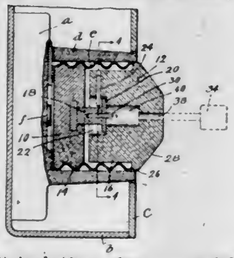
4. The process of forming thin transparent sheet material which comprises mixing a solu-

tion of a butadiene polymer hydrohalide with a



vulcanizing agent and casting the mixture on a forming belt.

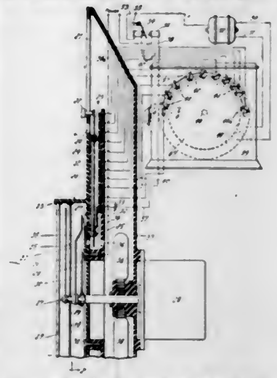
2,075,256
CIRCUIT ISOLATING PLUG
Morris B. Wood, Newburyport, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts
Application April 5, 1933, Serial No. 664,601
9 Claims. (Cl. 173—356)



5. A circuit isolating plug comprising an inner externally screw-threaded insulating section and an outer insulating section having a cylindrical body the diameter of which is not greater than the root diameter of the screw-threads of said inner section and having a recess in one end thereof, said inner section having a forwardly projecting axially disposed hub terminated in an annular flange that is located within and is adapted to seat upon the bottom of said recess, pins carried by said outer section and disposed behind said flange whereby to connect the two sections rotatably together against detachment, said hub having a forwardly extended stem by which said inner section is adapted to be rotated and said outer section having a passage leading from its end face to said stem into which passage a suitable tool can be inserted to engage said stem and rotate said inner section, said two sections having confronting end faces that are held in spaced relation by said hub.

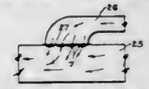
2,075,257
RECEIVER CONTROL
Ernest A. Zadig, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 6, 1930, Serial No. 473,483
26 Claims. (Cl. 250—20)

1. In apparatus for receiving radiant energy, the combination of tuning mechanism, power means including an electric motor for adjusting said tuning mechanism for the reception of currents of different frequencies, a plurality of radially disposed station pre-selector devices which are normally stationary but capable of adjustment, means permitting individual radial adjustment as desired of said station pre-selectors, a continuously operating time measuring device, and means controlled by said time measuring device for rendering said station pre-selectors op-



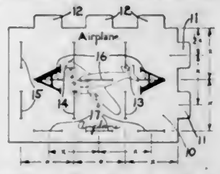
erative successively to energize said motor power means to adjust said tuning mechanism for the reception of currents from the respective selected stations.

2,075,258
GAS MIXING APPARATUS
Edward L. Anderson, Grosse Isle, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application July 1, 1933, Serial No. 678,593
2 Claims. (Cl. 98—1)



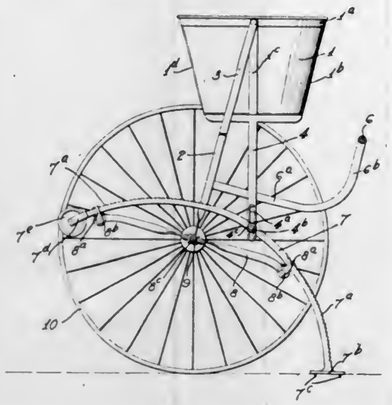
1. In a gas mixing apparatus, a primary duct having an opening through its side wall, a secondary duct external of said primary duct having an outlet communicating with said opening, a plate member extending across said opening and closing the outlet of said secondary duct, said plate member having a plurality of discharge apertures therethrough, each of said apertures having its cross-sectional flow area converging in the direction of flow from the secondary duct toward said primary duct.

2,075,259
TOY CONSTRUCTION CARD
Harold A. Battjes, Grand Rapids, Mich.
Application February 13, 1936, Serial No. 63,720
5 Claims. (Cl. 46—23)



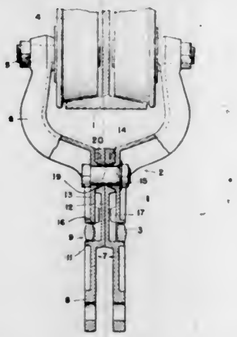
1. A toy card construction unit of the class described, comprising quadrilateral members formed of sheet material which is flexible but of self sustaining stiffness, each of said members being provided with a plurality of ears projecting from each of a pair of adjacently disposed sides of said unit, said member having rows of slits spaced rearwardly from those edges having the said ears, the slits being in alinement with the ears, the distance between the several rows of slits being equal, said slits receiving any of said ears as desired.

2,075,260
LAUNDRY CART
Lena Bishop and Orra Bishop, San Diego, Calif.
Application September 8, 1936, Serial No. 99,762
2 Claims. (Cl. 280—51)



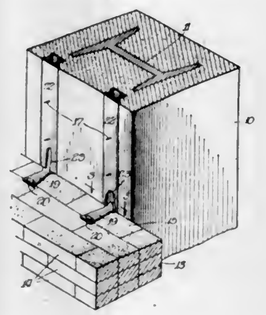
1. In a laundry cart, a pair of wheels in spaced relation, an axle connecting said wheels, supports extending upwardly and connected with said axle, a receptacle pivotally supported at the upper ends of said supports, a ratchet lever secured to said axle and extending forwardly and backwardly thereof provided with ratchets at its opposite ends, and a ratchet arc pivotally and shiftably supported on said receptacle and engageable by the ratchets on said ratchet lever.

2,075,261
TROLLEY CONVEYER
Leonard J. Bishop, Detroit, Mich., assignor to Mechanical Handling Systems, Inc., Detroit, Mich., a corporation of Michigan
Application May 6, 1935, Serial No. 20,101
6 Claims. (Cl. 198—177)



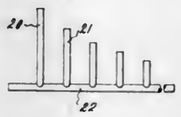
5. In a trolley conveyer, the combination with a propulsion chain, of a trolley hanger having oppositely disposed hanger members, chain attachment means extending between said hanger members, a bolt extending through said hanger members and chain attachment means for securing the same together, and annular flanges upon said hanger members extending inwardly therefrom into the outer ends of the aligned openings through said chain attachment means for receiving said bolt.

2,075,262
WALL TIE
Joseph L. Boettner, Chicago, Ill., assignor to Universal Form Clamp Co., Chicago, Ill., a corporation of Illinois
Application February 14, 1936, Serial No. 63,865
4 Claims. (Cl. 72—103)



1. As an element of a bonding and tying device for masonry and concrete structures, a channel anchor bar, and a transversely flexible U-shaped filler member in said bar having a frangible transverse member extending across and closing the open side of said bar.

2,075,263
SOUND ATTENUATING DEVICE
Roland B. Bourne, Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application October 19, 1931, Serial No. 569,711
7 Claims. (Cl. 181—48)

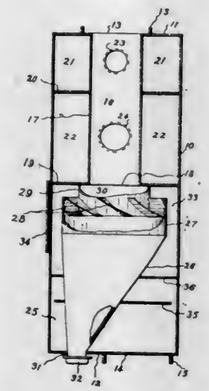


1. A silencer comprising an acoustically dissipative main conducting channel and a plurality of non-dissipative acoustic side branches acoustically coupled thereto at intervals along the length thereof.

2,075,264
SPARK ARRESTER AND SILENCER
Roland B. Bourne and Hiram H. Maxim, Hartford, Conn., assignors to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application April 3, 1935, Serial No. 14,522
11 Claims. (Cl. 183—90)

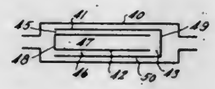
1. In a device of the class described, a main sound and gas conducting channel, a combined dirt collecting and frequency selective acoustic sidebranch disposed in shunt to a portion of said main channel, and one or more frequency selective acoustic sidebranches disposed in shunt to the main channel in spaced relation to the first

named sidebranch, said second mentioned acoustic sidebranches offering high attenuation to



sound frequencies for which said first mentioned sidebranch offers substantially less attenuation.

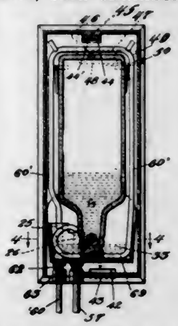
2,075,265
SOUND ATTENUATING DEVICE
Roland B. Bourne, Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application August 9, 1935, Serial No. 35,428
13 Claims. (Cl. 181—59)



13. An acoustic silencing device comprising a main sound conducting channel, an annular passage coaxial with the main sound conducting channel and having at one end a coupling connection with said channel extending substantially throughout the circumferential extent thereof, and a chamber coaxial with the main sound conducting channel and with said annular passage, said chamber being closed at one end and having at its other end a coupling connection with that end of the annular passage remote from the coupling connection between said annular passage and the main sound conducting channel, the coupling connection between the annular passage and the chamber extending substantially throughout the circumferential extent of said passage, whereby sound waves passing from the main sound conducting channel through the annular passage and the chamber will at any point in their path be substantially in phase throughout the circumferential extent of said path.

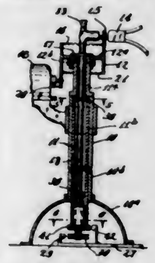
2,075,266
DISINFECTING DISPENSING APPARATUS
Earle L. Bowman, Attleboro, Mass.
Application January 16, 1934, Serial No. 706,846
9 Claims. (Cl. 4—224)

1. In a liquid dispensing apparatus, a liquid containing reservoir, a chamber above said reservoir, a discharge conduit from said chamber, and means responsive to the flushing of water in an apparatus having a water flushing arrangement for depositing some of said liquid in said chamber, said chamber also being open



to the air in a considerable area to permit evaporation thereof.

2,075,267
TOY AIRPLANE DEVICE
Frederic A. Christiansen, New York, N. Y., assignor to Bertram Barr, New York, N. Y.
Application July 18, 1936, Serial No. 91,369
9 Claims. (Cl. 272—31)



1. A toy airplane, comprising a hollow tower, a vertical hollow shaft rotatively supported in said tower, a drum coaxially fixed on the upper end of said hollow shaft, an internal shaft rotatively supported in said hollow shaft and extending from the top thereof, a support member rotatively mounted on the extended portion of said internal shaft and connected with a gear meshing with gear teeth on said drum, an element causing frictional engagement of said shafts, a motor driving said drum, a radial arm projecting from said support member for supporting an airplane, and a brake for holding said internal shaft against rotation.

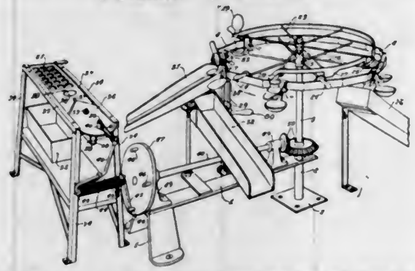
2,075,268
SOLVENT REFINING OF LUBRICATING OIL
Louis A. Clarke, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 17, 1935, Serial No. 16,753
4 Claims. (Cl. 196—13)

1. In the refining of mineral lubricating oil containing relatively paraffinic and relatively non-paraffinic constituents to separate therefrom a paraffinic portion of high viscosity index, the method which comprises mixing the oil with an aryl ester of a halogenated fatty acid selected from the group consisting of phenylethylchloracetate and benzylchloracetate, forming an extract phase containing non-paraffinic constituents dissolved in the solvent, and a raffinate phase comprising paraffinic oil of high viscosity index, and separating the two phases.

2,075,269
SOLVENT REFINING OF MINERAL OIL
Louis A. Clarke, Fishkill, and Charles C. Towne, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 17, 1935, Serial No. 16,754
4 Claims. (Cl. 196—13)

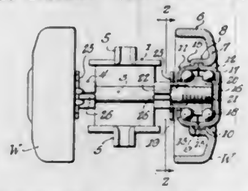
1. In the refining of mineral lubricating oil containing relatively paraffinic and relatively non-paraffinic constituents, to separate therefrom a paraffinic fraction of relatively high viscosity index, the method which comprises mixing the oil with a solvent selected from the group consisting of chlormethyl phenyl ether and chlorethyl phenyl ether, forming an extract phase containing relatively non-paraffinic constituents of the oil dissolved in the solvent liquid and a raffinate phase comprising the relatively paraffinic constituents of the oil, separating the two phases and removing the solvent liquid therefrom.

2,075,270
EGG BREAKING AND SEPARATING APPARATUS AND PROCESS
Rolland L. Cleveland, Springfield, Mo.
Application March 23, 1934, Serial No. 716,966
7 Claims. (Cl. 146—2)



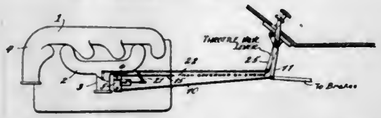
1. In an egg-separating apparatus of the character described, a separating device comprising, a mounting bracket having means for removably supporting the same on a support, a yolk cup on said bracket, an albumen cup on said bracket beneath said yolk cup, an egg shell holder and means positioning said holder on said bracket over said yolk cup.

2,075,271
WHEEL FOR ROLLER SKATES
John S. Coldwell, Milwaukee, Wis., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application February 23, 1935, Serial No. 7,811
13 Claims. (Cl. 208—181)



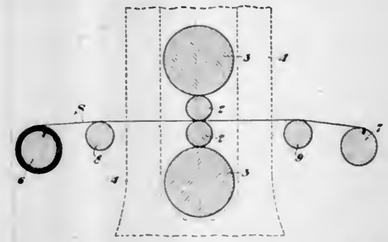
1. In combination, a wheel comprising a tread and a wheel body extending inwardly from the tread, ball bearing retaining cups secured to the wheel body, the outer one of said cups having an imperforate body portion to exclude dust, rows of ball bearings in said cups, a bearing cone for said ball bearings, an axle on which said bearing cone is threaded, and means for preventing said bearing cone from turning.

2,075,272
AIR INLET FOR INTERNAL COMBUSTION ENGINES
Max Dach, Flushing, N. Y.
Application April 21, 1934, Serial No. 721,708
12 Claims. (Cl. 192—3)



1. In an automobile, an internal combustion engine, an air inlet for the intake manifold of said engine having two branches, and two separately operated means to keep said branches closed while said engine is running under power and to open one of said branches by shutting off the power from said engine.

2,075,273
METHOD OF ROLLING METALS
Lawrence S. Dahl, Gary, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey
Application February 27, 1936, Serial No. 66,118
4 Claims. (Cl. 80—60)

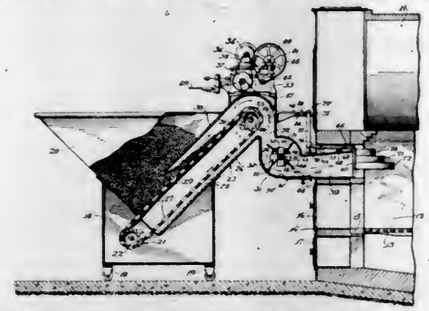


1. In a method of cold reducing strip metal, the steps consisting of passing the strip metal under a tension of from materially more than 100 per cent of its elastic limit to 300 per cent of its elastic limit to a rolling mill so as to neck down the strip metal over its entire cross-section as it enters the mill, applying a compressive force to said strip metal as it passes through the mill of a magnitude sufficient to separately and permanently reduce the cross-sectional area of said strip metal an appreciable amount over its entire width, and applying tension of a magnitude materially less than the elastic limit of the strip metal to that portion of the strip metal issuing from the mill.

2,075,274
FUEL STOKER
Samuel M. Darling, Oak Park, Ill., assignor to Darling Automatic Stoker Co., a corporation of Illinois
Application June 13, 1934, Serial No. 730,407
3 Claims. (Cl. 110—115)

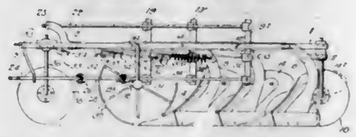
2. A fuel stoker for boiler firebox comprising a portable frame, a hopper mounted on said frame, elevating means mounted in said hopper, a rotary impeller located below the delivery end of said elevating means, a housing encasing said impeller and the delivery end of said elevating means, a discharge chute connected tangentially with said housing and extending into said firebox, and an automatically actuated oscillatable fuel spreader located at the end of said chute and including a plurality of pairs of differently curved

blades mounted on a common pivot, said pairs located at different elevations with respect to each



other for evenly distributing the fuel in said firebox.

2,075,275
PLOW
Ernest Dodd, Winter, Saskatchewan, Canada
Application April 7, 1936, Serial No. 73,131
In Canada April 11, 1935
7 Claims. (Cl. 97—98)



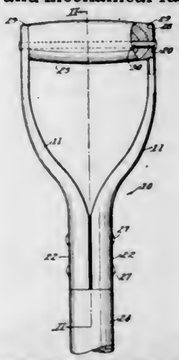
1. In a device of the character described a frame structure, a soil working unit including a beam pivotally mounted in the frame structure, a vertical draw bar carried by the beam, a rod connecting the upper end of the draw bar to the frame structure, said rod being slidably connected to the frame structure, and a draft connection to the lower end of the draw bar operative for constraining the unit to move in working relation to the ground.

2,075,276
PROTEIN AND UREA RESIN MOLDING COMPOSITION AND PROCESS OF MAKING SAME
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application September 11, 1935, Serial No. 40,091
16 Claims. (Cl. 106—22)

1. A urea-aldehyde resin molding composition comprising urea-aldehyde resin and a protein substance.

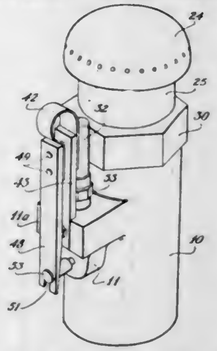
2,075,277
TOOL HANDLE
George M. Finkes, Columbus, Ohio, assignor to The Union Fork and Hoe Company, Columbus, Ohio, a corporation of Ohio
Application April 1, 1935, Serial No. 14,090
10 Claims. (Cl. 294—57)

1. A tool handle comprising a pair of complemental sheet metal members having the upper portions thereof united by a transverse grip, the lower portions of each of said members being substantially of semi-circular form and terminated in inwardly and radially directed mating ribs, said semi-circular portions providing a socket for receiving the upper end of a preformed stale, the latter having its outer walls grooved for the reception of said ribs, an integral and bendable tongue formed with each of said members contiguous to the upper end of the stale socket, said tongues being inter-engaged with the adjoining members to retain the latter in secure non-welded engagement adapted for limited relative movement, and mechanical fastening means



passing transversely through the lower portions of said members and a stale position therebetween, said fastening means serving to maintain said members in secured and firm compressive engagement with the outer walls of said stale irrespective of variations in the diameter of the upper end of the stale.

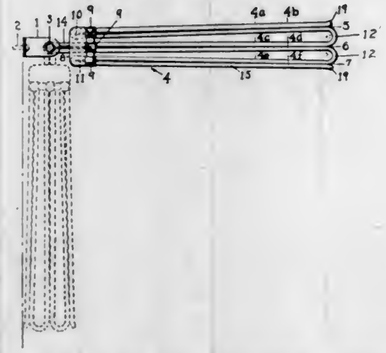
2,075,278
BURNER
Ralph Hageman, Cedar Rapids, Iowa, assignor to Johnson Gas Appliance Company, Cedar Rapids, Iowa, a corporation of Iowa
Application December 31, 1934, Serial No. 759,885
1 Claim. (Cl. 158—117.1)



A gas burner comprising a substantially cylindrical, vertically-extending casing, a main burner element associated with the upper end of the casing, a boss extending laterally from the side of said casing at a point intermediate its ends, a vertical partition within said casing extending transversely thereof and forming on the opposite sides thereof a gas inlet chamber and a gas outlet chamber, said partition being provided with a port, a valve for closing said port, a valve rod extending laterally through said outlet chamber and from said casing parallel to and in the direction of said boss, a pilot burner secured to the top face of said boss at a point inwards of the free end of the boss, a bi-metallic thermostat secured at one end to the free end of said boss and being formed into an inverted U-shape, said pilot burner extending upwardly between said

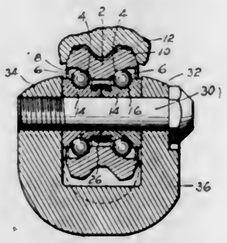
casing and said thermostat to a point adjacent the burner element, the free end of the thermostat being connected to the outer free end of the valve rod, said free end being movable, when the thermostat is heated by the pilot burner, towards said casing to move said valve and rod to unseat said valve whereby to admit gas to said gas outlet chamber.

2,075,279
RACK
Howard E. Good, Waterville, Ohio
Application January 22, 1935, Serial No. 2,928
5 Claims. (Cl. 211—96)



1. A rack of the class described including a pivot member; an article supporting member bent at the center to form a loop to receive said pivot member, said supporting member being formed with a plurality of shorter loops in alignment with said first loop; and a channel member having a plane portion secured to said supporting member at the bights of said shorter loops to retain said loops in fixed relation with respect to each other.

2,075,280
BEARING
Sven E. Green, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 19, 1934, Serial No. 753,694
3 Claims. (Cl. 308—196)



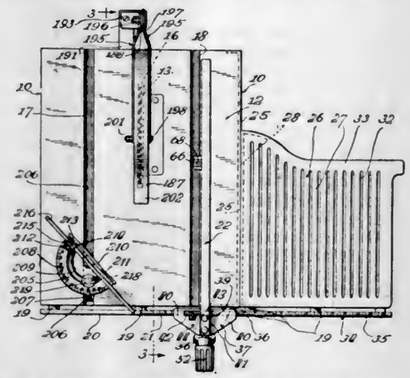
1. In a device of the character described, an outer race ring having a pair of raceways on opposite sides of a central rib, a row of rolling elements for each raceway and the raceways being open laterally to receive the rolling elements, a pair of inner race rings each having a raceway for one of said rows, the ends of said inner race rings having flat abutting faces and cam surfaces inclined outwardly therefrom, the inner race rings having continuous and uninterrupted internal bores substantially from end to end for supporting contact with a shaft and peripheral grooves between said cam surfaces and the raceways, and a snap ring between the rows of rolling elements and surrounding the cam surfaces and those portions of the inner race rings between the cam surfaces and the peripheral grooves, the ring having inwardly projecting side flanges entering the peripheral grooves, the snap ring having inherent tendency to contract so that the flanges lie in alignment with the cam surfaces ready to ride up the cam surfaces on relative approaching movement between the inner race rings; substantially as described.

2,075,281
SMOKER'S PIPE
Preston M. Hall, Worcester, Mass.
Application November 18, 1933, Serial No. 698,661
2 Claims. (Cl. 131—12)



1. As an article of manufacture, a smoker's pipe bowl formed of a compressed mixture of thoroughly dried tobacco and a synthetic resin, said mixture having the characteristics of becoming a hardened strong substance under pressure limits between 1500 and 5000 pounds per square inch when said material is at a temperature of about 300° F.

2,075,282
BENCH SAW
Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois
Application May 27, 1935, Serial No. 23,541
10 Claims. (Cl. 143—174)



5. In a wood working tool, the combination of a table with a guide bar, sliding means slidably mounted on said guide bar, a fence carried by said guide means, said table having grooves extending substantially parallel to said fence for slidably mounting attachments on said table, said fence being narrower in width than said grooves, said fence having a transverse slot in its lower face, and a bridging member longer than the width of said grooves, said bridging member being mounted for sliding movement transversely on said fence to bridge said grooves.

2,075,283

PRODUCTION OF MAGNETIZABLE ALLOY

Albert Heinzel, Oppau, and Franz Duftschmid, Heidelberg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application August 31, 1935, Serial No. 38,788. In Germany September 4, 1934
9 Claims. (Cl. 148—11.5)

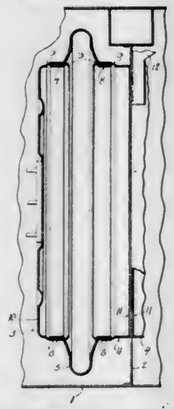
1. A process for the production of magnetizable alloys substantially consisting of nickel and iron which comprises reducing the raw material to its definite thickness by subjecting it to a cold working of more than 60 per cent, then to a softening annealing, then to a slight cold working and then to a final annealing.

2,075,284

GAS METER BELLOWS

Edward C. Hemes, Whitefish Bay, Wis.

Application September 19, 1935, Serial No. 41,271
2 Claims. (Cl. 73—278)



1. In a gas meter, in combination, a partition wall, a three sided gas conveying duct applied to said wall with the wall closing the open side of the duct, an expansible and contractible bellows unit mounted on said partition wall in association with said duct and having a header having a surrounding marginal flange extending outwardly from said wall, and lips struck outwardly from said flange to provide an opening into the bellows unit for said duct, said duct extending into said opening and being externally soldered to said lips and to said partition wall, one of the lips extending across the open side of the duct between the duct and the partition wall, said header being externally soldered to said partition wall along said last named lip and at one or more spaced points about the outer periphery of the header to mount the bellows unit on the partition wall.

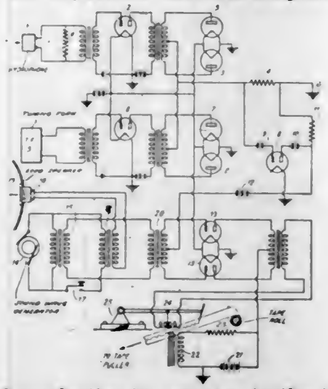
2,075,285

ECHO RECORDING APPARATUS

R. Lee Hollingsworth, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 1, 1934, Serial No. 746,359
1 Claim. (Cl. 177—386)

A distance measuring device comprising in combination a source of wave energy, means under control of said source for transmitting sound signals at the frequency of said wave energy, means including receiving apparatus for detecting said sound waves at the moment of transmission and also at the moment of reception after reflection from a remote object, means for translating the detected sound waves into electrical waves, a source of electrical oscillations of predetermined frequency, means for combining in one circuit the electrical waves corresponding to the sound waves and the oscillations of said predetermined frequency, an impedance network adapted to be



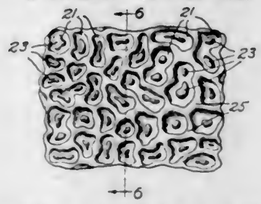
rendered conductive in response to the translation of said sound waves into electrical waves and a recording apparatus operable under control of impulses from said impedance network for indicating elapsed time between the moment of sending and the moment of receipt after reflection of a given sound wave, said elapsed time being measured in terms of wave cycles of said source of electrical oscillations.

2,075,286

SHEET METAL PRODUCT

Stanley F. Jackes, University City, Mo., assignor to Jackes-Evans Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application November 3, 1934, Serial No. 751,326
8 Claims. (Cl. 41—24)



1. The product comprising a metal sheet, irregularly spaced recesses therein, relatively flat portions between said recesses, and conical raised portions within the recesses.

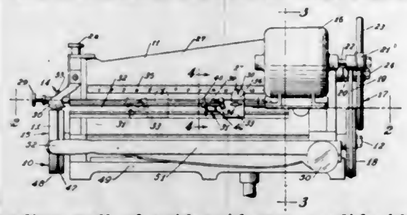
2,075,287

SAMPLE BOX MAKING MACHINE

Peter Jagusch, Elmwood Park, Ill.

Application February 27, 1936, Serial No. 66,006
7 Claims. (Cl. 93—58.2)

1. A sample box making machine comprising a supporting frame, a shaft rotatably mounted upon said supporting frame, means for operating said shaft, a circular die carried by said shaft at one axial end of the latter, and having an annular groove formed in its peripheral surface, a circular creasing die rotatably mounted upon said frame above the said first-named die, means for adjusting the said second-named die vertically relative to the said first-named die as to move the same into and out of the said annular groove formed in the said first-named die whereby the said dies may coact to form, at different times, crease lines in pieces of stock of various thicknesses inserted therebetween, a guide slidably mounted upon said supporting frame for horizontal movement and axially relative to the said dies and shaft, said guide including a horizontal guideway extending transversely of the said supporting frame and shaft and said guideway including a vertically extending side wall, a horizontally extending scale mounted upon said supporting frame and extending axially of said shaft and having indicia thereon representing the distance between the vertical center of the said annular groove in the said first-named die and the said vertically



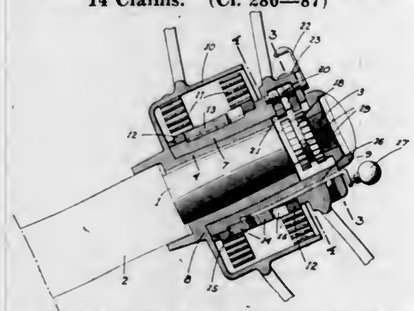
extending wall of said guideway, a slide block carried by said guide and including an indicator portion or finger movable along and relative to said scale, and means for releasably clamping said guide and indicator in a fixed position relative to said supporting frame and said scale whereby when the said second-named die is adjusted so that the vertical center line of the same and the vertical center line of the said groove are coincidental a piece of stock moved through the machine between the said dies and having one marginal edge thereof bearing against the said side wall of said guide will have a crease line formed therein a distance from the said marginal edge of said stock corresponding to the distance indicated by the said finger upon said scale.

2,075,288

CONTROL MECHANISM FOR STEERING WHEELS

Webb Jay, Miami Beach, Fla., assignor to May O'Rourke Jay, Miami Beach, Fla.

Application November 13, 1934, Serial No. 752,849
14 Claims. (Cl. 280—87)



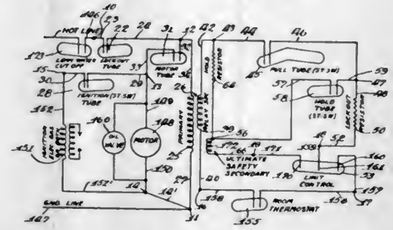
1. In combination with a steering wheel, separate normally slack springs connected at one end to the wheel, one spring when tensioned tending to rotate the wheel in one direction and the other spring when tensioned tending to rotate the wheel in the opposite direction, a single manually controlled element movable to tension the springs mounted in connection with the steering wheel, and means to place said element into engagement with either spring selectively.

2,075,289

BURNER CONTROL APPARATUS AND SYSTEM

Albert L. Judson, Beloit, Wis., assignor to Minneapolis-Honeywell Regulator Co., Minneapolis, Minn., a corporation of Delaware

Application December 7, 1932, Serial No. 646,080
19 Claims. (Cl. 158—28)



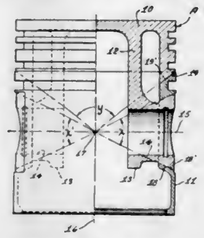
1. Apparatus for a control system for oil burners or the like including fuel feeding means, actuating means therefor, and ignition means, said control apparatus comprising a switch for controlling said actuating means, a control circuit for controlling the operation of said switch, a transformer relay having a primary coil, a secondary coil in said control circuit, and a movable member influenced by the magnetic pull arising from the interaction of the magnetic fluxes produced by current flow through said coils for actuating said switch into operative position, and means for reducing the load on said primary coil to weaken the magnetic pull upon said movable member to hold the same in actuated position but insufficient upon release of said movable member upon current failure or reduction of current to restore it to actuated position.

2,075,290

PISTON

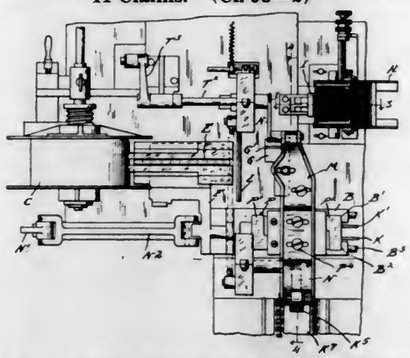
Lewis P. Kalb, Grosse Pointe Village, and Andre J. Meyer, Detroit, Mich., assignors to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia

Application January 16, 1933, Serial No. 651,996
5 Claims. (Cl. 309—14)



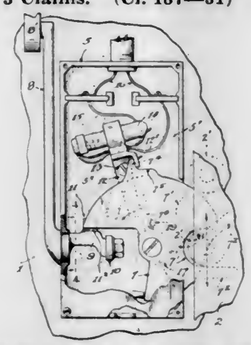
1. In a piston, a skirt structure formed with diametrically opposite openings bounded by frusto-conical surfaces respectively lying in a cone whose apex is located substantially at the intersection of the piston axis and the axis of said openings, said skirt having an outer circumferential frusto-conical surface lying in a cone whose axis substantially coincides with the piston axis and whose apex is located substantially at the intersection aforesaid, and a head structure provided with bosses respectively extending into said skirt openings, said head structure having frusto-conical surfaces complementary to said skirt surfaces and in sliding contact therewith.

2,075,291
TRANSFER MEANS FOR REGISTERING WRAPPERS AND BANDS
Alfred W. Kath, Detroit, Mich., assignor to Arthur Colton Company, Detroit, Mich., a corporation of Michigan
Application March 1, 1934, Serial No. 713,587
11 Claims. (Cl. 93—2)



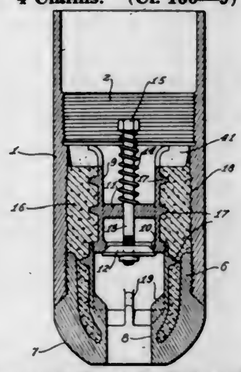
1. In a cigar wrapping machine, the combination of a plurality of mechanisms for respectively delivering individually at separate locations a cigar, a wrapper and a band, means for transferring a band from its delivered position into a position for registration with the wrapper in its delivered position, means for transferring the registered band and wrapper laterally thereof and delivering the same unattached to each other in registration with the cigar in its delivered position, and means for transferring the registered cigar, wrapper and band in a direction parallel to the longitudinal axis of the cigar into registration with the wrapping mechanism.

2,075,292
SAFETY APPLIANCE FOR ELEVATORS
Ernest S. Kaylor, Peoria, Ill.
Application March 21, 1935, Serial No. 12,128
3 Claims. (Cl. 187—31)



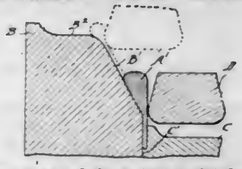
1. In a device of the nature described, the combination with a door, and a support including an arm swingably mounted thereon, of a second arm swingably with the first said arm, a fork mounted adjacent the second arm and movable relative to it, said fork being operated by said door in its opening and closing movements, a lever pivotally mounted adjacent the fork, the said lever and fork each having portions adapted to engage in either direction of the movement of the said fork for swinging the lever to two different positions, conductors as parts of an electric circuit, and means influenced by the lever in its movements for closing and opening an electric circuit through said conductors.

2,075,293
WELL CASING ATTACHMENT
John J. Larkin, St. Louis, Mo.
Application March 19, 1930, Serial No. 437,015
Renewed July 29, 1935
4 Claims. (Cl. 166—9)



1. A casing attachment of the character described comprising, a tubular body adapted for coupling to a casing, a cylindrical plug within said body, an axial longitudinal passage through said plug, and a transverse channel in the top of the plug which leads to the passage.

2,075,294
METHOD OF FORMING VEHICLE WHEELS
Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application March 26, 1934, Serial No. 717,512
5 Claims. (Cl. 29—159.01)

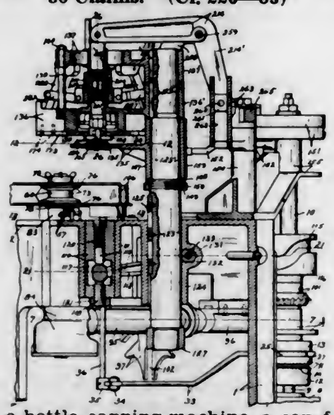


4. In a process of forming vehicle wheels, the steps of forming the blank with a central web portion and an annular peripheral portion of enlarged cross section, clamping the web portion of said blank between complementary members of the spinning head having oppositely angling truncated conical portions and with the enlarged peripheral portion of the blank in the space between said conical portions, rolling the peripheral portion of the blank by a roller having its axis substantially parallel with respect to the axis of the blank and relatively traveling around the latter to bifurcate and conform the same to said truncated conical portions of the spinning head, and refashioning the conical furcations to form the desired cross section for the rim of the wheel.

2,075,295
ORGANIC SULPHIDES AND A METHOD FOR THEIR PREPARATION
Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 16, 1933, Serial No. 685,418
16 Claims. (Cl. 260—151)

1. A mixture of mercaptans of the higher oxygenated organic compounds obtained from the catalytic hydrogenation of carbon oxides under elevated temperatures and pressures, the oxygenated organic compounds prior to conversion boiling above 90° C. and said mixture being obtained by treating the neutralized acid esters of the compounds with a sulphide selected from the group consisting of alkali metal and alkaline earth metal sulphides.

2,075,296
BOTTLE-CAPPING MACHINE
Joseph Frank Mitchell, Parsippany, N. J., assignor, by mesne assignments, to Smith Hood & Seal Corporation, Syracuse, N. Y., a corporation of New York
Application August 6, 1931, Serial No. 555,458
56 Claims. (Cl. 226—83)

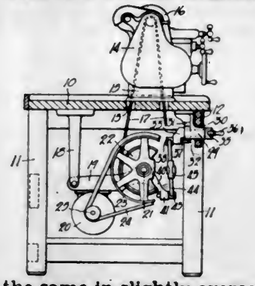


2. In a bottle-capping machine, a cap-forming and plaiting die adapted to receive the head of a bottle therethrough, means for producing relative movement of a bottle and said cap-forming die to plait the skirt of the cap about the head of said bottle, resilient means for maintaining the skirt of the cap in contact with the periphery of the rim of the mouth of the bottle, and separate resilient means for tightly folding said plaits about the neck of the bottle.

49. In a container cover applying machine, in combination, co-axial members relatively movable along their common axis, one constituting a holder, another having depending fingers, and a third having depending fingers therebetween whereby said second member fingers are adapted to fold down parts of a container cover held by the first, and said third member fingers are adapted to fold down other parts, and means for securing said parts together.

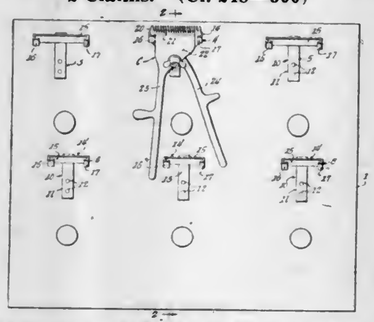
2,075,297
BELT DRIVE
John J. O'Brien, South Bend, Ind., assignor to South Bend Lathe Works, South Bend, Ind., a corporation of Indiana
Application April 3, 1936, Serial No. 72,461
8 Claims. (Cl. 74—242.15)

1. The combination with a bench, and a belt driven machine mounted thereon, of a pulley mounting pivoted beneath said bench, a terminal member journaled in the free end of said pulley mounting, a bracket carried by said bench, a crank journaled in said bracket, a terminal member journaled in the free end of said crank, means for interconnecting said terminals, said interconnecting means being pivoted to said terminals, and opposed stops on said bracket engageable by said last named terminal member



for stopping the same in slightly overcenter position at each extreme of its movement.

2,075,298
DISPLAY RACK
John Oster, Racine, Wis., assignor to John Oster Manufacturing Co., Racine, Wis., a corporation of Wisconsin
Application April 6, 1935, Serial No. 14,989
2 Claims. (Cl. 248—300)

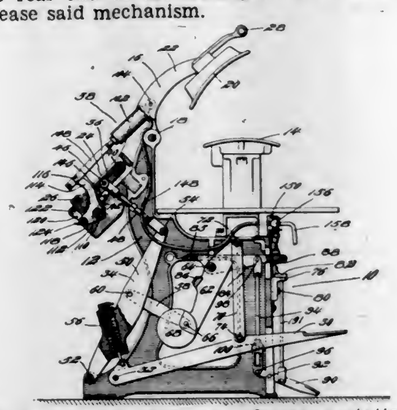


2. A display rack for a hand hair clipper comprising a holder consisting of a bracket arm adapted to be attached to a suitable support and having a portion extending outwardly therefrom at an angle, a bracket having a strip-like body portion extending transversely to the outer end of the angle portion of the arm and secured thereto intermediate its ends, said body portion being adapted to provide a rest against which the bottom blade of the clipper engages, and angular lugs at the ends of the body portion adapted to overhang the side edges of the blades of the clipper to hold the clipper in position.

2,075,299
PRESSING MACHINE
Pyam L. Pendleton, Edgewood, R. I., assignor to Pantex Pressing Machine, Inc., Pawtucket, R. I., a corporation of Rhode Island
Application May 16, 1933, Serial No. 671,322
19 Claims. (Cl. 38—41)

2. In a garment press, a frame, a stationary pressing form, a movable pressing form, a treadle pivotally mounted on said frame and mechanism pivotally joining said treadle with said movable form, a stop mounted on the front of said frame, a locking lever pivotally mounted on said frame having the rear end thereof adapted to be abutted by a portion of said mechanism and pivot said locking lever until the front end thereof abuts the stop to retain said movable pressing form in locked pressing position, a re-

lease treadle pivoted on said frame and a link pivoted to the front end of said locking lever and the rear end of said release treadle to cause the rear end of the locking lever to abut and release said mechanism.



7. In a garment press, a frame, a stationary pressing form, a pressing lever of the first class pivotally mounted on said frame having a pressing form mounted on the work arm thereof, said pressing form being adapted to be moved into pressing relationship with said stationary pressing form, a bar lever having an end pivotally attached to the power arm of said pressing lever and having its free end restrained against movement by said pressing lever, a pressure cylinder pivotally mounted on said pressing lever, and a piston movable therein having a rod projecting therefrom operatively connected by means providing an increased leverage both with the free end of said bar lever and with the pressing lever power arm to exert downward pressure on the connected work arm.

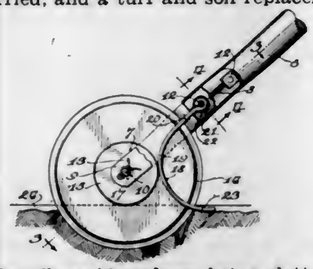
2,075,300
FILTER
Ernst L. Pflanz, Glencoe, Ill.
Application January 25, 1934, Serial No. 708,179
10 Claims. (Cl. 210—130)



1. A sand filter comprising a sand bed, and a substantially horizontal conduit element extending above the sand bed and extending substantially into the sand bed below the level of the superficial fine sand, said element having perforations above the sand bed and below said level.

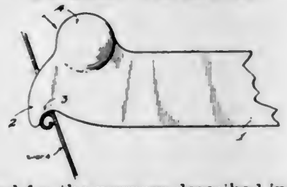
2,075,301
LAWN EDGE TRIMMER
Charles A. Pipenhagen, Chicago, Ill.
Application June 6, 1936, Serial No. 83,828
7 Claims. (Cl. 97—227)

1. A lawn edge trimmer comprising a rotary knife, a traction roller of less diameter than the knife and in driving relation thereto, a handle member by which the knife and roller are rotatably carried, and a turf and soil replacer carried



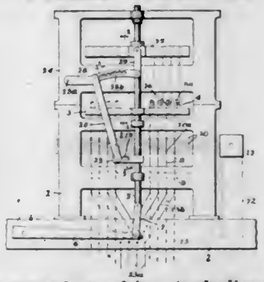
by the handle, said replacer being slotted to receive the knife and having a lower extremity which trails the knife.

2,075,302
METAL SEVERING TOOL
Ralph W. Poe, Canton, Ill.
Application March 23, 1936, Serial No. 70,473
4 Claims. (Cl. 164—80)



1. A tool for the purpose described including in its construction a long thin and flat blade-member having at one end a hook-like extension lying in the plane of the tool and terminating in a point directed toward a line paralleling one edge thereof in position to perforate the work to be acted upon, the inner surface of said extension, or that facing the opposite end of the tool, being concave in regular outline and having a transverse flat face lying substantially at right angles to the sides of the latter and terminating in square corners at said sides.

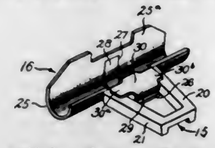
2,075,303
SHEDDING MECHANISM FOR LOOMS
Frank W. Preston, Paterson, N. J.
Application March 12, 1936, Serial No. 68,365
7 Claims. (Cl. 139—59)



1. A jacquard machine including supporting means, hooks supported thereby and adapted to be lifted, hook-lifting structures, and a lever fulcrumed on said supporting means and to which said structures are operatively connected at different distances from the lever fulcrum and affording support for one structure on the other,

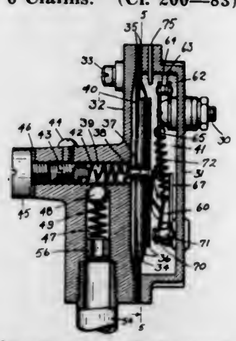
some of said hooks being each movable into and out of position to be lifted by one and others each movable into and out of position to be lifted by the other of said structures.

2,075,304
JEWELRY CONSTRUCTION
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application September 14, 1934, Serial No. 744,020
10 Claims. (Cl. 224—4)



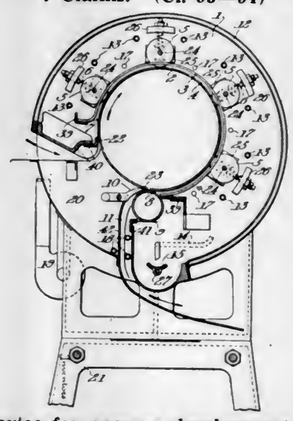
1. As an article of manufacture, an adaptor capable of interconnection with a loop on a watch running parallel with the plane of the face of said watch and the end link of a bracelet chain, said link being U-shaped and having lugs formed on the legs thereof extending toward each other comprising an elongated hook portion adapted to fit about said loop, a face portion extending rearwardly therefrom over the tops of said lugs, said hook portion having a centrally located slot, and a part corresponding in shape to said hook portion fitting within said slot thence extending rearwardly over the bottoms of said lugs and bent back upon itself and secured to said face portion.

2,075,305
DIAPHRAGM CONTROLLED SWITCH
Gordon B. Sayre, Syracuse, N. Y., assignor, by mesne assignments, to The Orion Electric Company, Wilmington, Del., a corporation of Delaware
Application November 20, 1931, Serial No. 576,319
6 Claims. (Cl. 200—83)



1. A diaphragm controlled switch comprising a casing, a removable head therefor, a flexible diaphragm retained between said head and said casing providing a suction chamber between said head and said diaphragm, a snap switch within said casing, a suction passage communicating from said suction chamber to the intake manifold of the engine for evacuating said chamber whereby said diaphragm is drawn toward said head, an adjustable member coacting with said diaphragm for opposing its movement toward said head, a check valve within said passage for sealing the same as soon as the engine stops, a bleed passage around said check valve, means accessible from the exterior of said casing for adjusting said bleed passage for setting the time interval for the return of said diaphragm to its normal position.

2,075,306
DEVICE FOR DEVELOPING PHOTOGRAPHIC PRINTS
Arthur Schade and Josef Horn, Wiesbaden-Biebrich, Germany, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany
Application October 4, 1935, Serial No. 43,584
In Germany November 6, 1934
7 Claims. (Cl. 95—94)



7. A device for gaseous development of light-sensitive material comprising a developing chamber, a source of developing gas and a driven transport roller provided in the said chamber, resilient pressing members in conjunction with the walls of the chamber and touching the said driven roller so forming a gas-tight inlet slit and a gas-tight outlet slit, for the material to be developed, a grating consisting of curved wires arranged around the said transport roller at a certain distance from the roller and extending, in the interior of the chamber, from the inlet slit to the outlet slit and a series of disc rollers around the said driven transport roller passing through the said wire grating and pressed elastically against this roller.

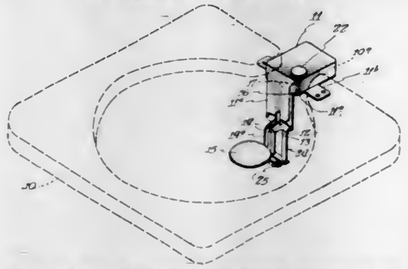
2,075,307
SAFETY RAZOR
Armand Schreiber, Brooklyn, N. Y.
Application May 31, 1933, Serial No. 673,735
1 Claim. (Cl. 30—61)



A safety razor of the class described, comprising in combination: a tubular handle; a rectangular blade carrier plate swivelled at its centre on the handle; an internally screw-threaded upper end at the handle; a rectangular blade clamping plate; a screw-threaded plug in the centre of the clamping plate and adapted to enter into the internally threaded end of the handle; longitudinally slotted connection links fixed at the two smaller sides of the clamping plate; headed pivot pins fixed at the two smaller sides of the carrier plate and extending through the slots of the connection links; and shoulders

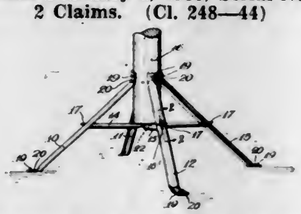
arranged at the smaller sides of the carrier plate at both sides of the connection links, so as to limit the swinging movement of the connecting links round the pivot pins.

2,075,308
TOILET SIGNAL DEVICE
Alfred H. Simonsen, Chicago, Ill.
Application October 20, 1936, Serial No. 106,595
11 Claims. (Cl. 4—239)



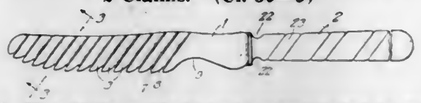
1. An infant's toilet appliance comprising an attachment for a toilet seat containing a signal device, an actuator for the signal device extending into the toilet zone, and weight-responsive means carried by the actuator and operative to control the same.

2,075,309
CHRISTMAS TREE STAND
George K. Smith, Camden, N. J.
Application February 4, 1936, Serial No. 62,260
2 Claims. (Cl. 248—44)



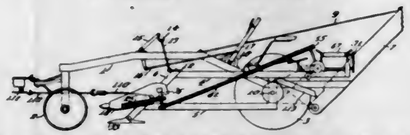
1. In a stand for a tree or the like, four duplicate pressed metal legs of channel section and each leg having a transversely elongated perforation intermediate its length and its ends flattened and pierced for fastening respectively to the tree and floor and two duplicate pressed metal braces of channel section each brace centrally flattened transversely nesting the other brace and pierced for fastening to the tree and having tongue extensions at the ends to register in the intermediate perforation of the legs.

2,075,310
KNIFE
Edward Sprague, Jr., Chicago, Ill., assignor, by direct and mesne assignments, of one-third to Grace L. Arthur and one-third to Pearl C. Dolan, both of Chicago, Ill.
Application March 25, 1935, Serial No. 12,805
2 Claims. (Cl. 30—9)



1. In a knife, a blade body constructed to substantially provide a series of wedge-shaped individual blades integral throughout and having dull back edge portions and continuous thin edge portions, said blades arranged edge to edge and extending transversely at an angle to the axis of the blade body, with the thin edge portion of one integrally joined to the back edge of the other, with the end of each one projecting beyond the juncture with the adjacent blade, the thin edge of each projecting blade portion being sharpened from adjacent its juncture with the dull back edge portion of the next adjacent blade to a point spaced back from a line connecting the ends of adjacent blades, the extreme end points being substantially dull.

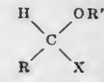
2,075,311
SUGAR BEET HARVESTER
Michael Stockl, Delavan, and Otto J. Rajewsky, Blue Earth, Minn.
Application April 5, 1935, Serial No. 14,828
8 Claims. (Cl. 55—108)



1. In a sugar beet harvester, a main frame, a rear supporting axle, wheels fast thereto, a tilting frame fulcrumed to said axle, blades at one end of said tilting frame, scoops at the forward end of said tilting frame above said blades, pick-up conveyors associated with said scoops, a longitudinal conveyor associated with said pick-up conveyors, a knife beneath said longitudinal conveyor, a chute disposed beneath said knife, an elevator associated with said chute, a transverse conveyor at one end of said longitudinal conveyor and below one end of same, and manually operable mechanism connecting said main frame and tilting frame for actuating the latter.

2,075,312
PRODUCTION OF HALOGENATED ETHERS
Fritz Straus, Berlin, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 3, 1935, Serial No. 14,437. In Germany April 10, 1934
8 Claims. (Cl. 260—151)

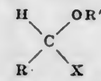
1. In the production of halogenated ethers the step which comprises reacting mixtures of aldehydes, alcohols and hydrogen halides capable of reacting like halides of the general formula:



in which R stands for a substituent of the group consisting of hydrogen, alkyl, aralkyl or aryl, R′ for a substituent of the group consisting of alkyl, aralkyl, or aryl and X for halogen with compounds containing at least one olefinic double bond.

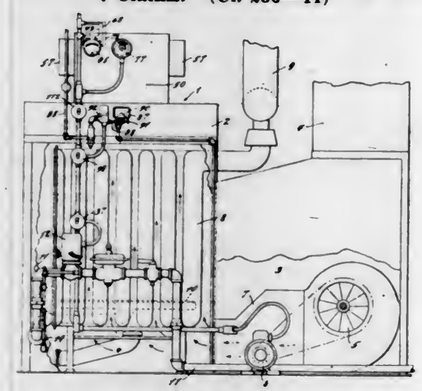
2,075,313
PRODUCTION OF HALOGENATED ETHERS
Fritz Straus, Berlin, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Original application April 3, 1935, Serial No. 14,437. Divided and this application December 18, 1935, Serial No. 55,006. In Germany April 10, 1934
8 Claims. (Cl. 260—149)

1. In the production of halogenated ethers the step which comprises reacting halides of the general formula



in which R stands for a member of the group consisting of hydrogen and alkyl, aralkyl and aryl radicles, R′ for a member of the group consisting of alkyl, aralkyl and aryl radicles and X for halogen with hydrocarbons containing conjugated olefinic double bonds.

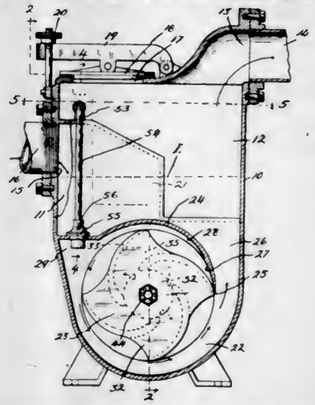
2,075,314
AIR CONDITIONING APPARATUS
Max M. Suppes, Elyria, Ohio, assignor to Fox Furnace Company, Elyria, Ohio, a corporation of Ohio
Application April 26, 1933, Serial No. 667,981
7 Claims. (Cl. 236—44)



1. An air conditioning apparatus of the character described, comprising an air heating furnace adapted to heat air for supply to a space to be heated, a heat radiating element in said furnace, an electrically controlled burner for heating said element, a thermostat responsive to air temperature in the space to be heated and controlling the circuit of said burner, a fan including an electric motor operable to discharge air over said element and into the space to be heated, switch means responsive to temperature of the air adjacent said element and controlling the motor circuit of said fan, the circuits of said thermostat and said temperature responsive means being in parallel relation, water spray means in said furnace to humidify the air passed over said element, a valve controlling the water supply to said humidifying means, means responsive to the humidity of the air in the space to be heated and controlling said valve, and said temperature responsive means controlling operation of said valve by said humidity responsive means.

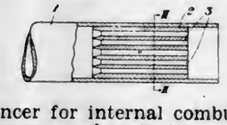
2,075,315
SELF-PRIMING CENTRIFUGAL PUMP
Eric P. Teel, Lansing, Mich., assignor to Novo Engine Company, Lansing, Mich., a corporation of Michigan
Application July 17, 1933, Serial No. 680,868
3 Claims. (Cl. 103—113)

1. In a self-priming centrifugal pump of the class described, a casing having an inlet chamber, a discharge chamber, an impeller, an impeller chamber therefor having a substantially tangential discharge communicating with said discharge chamber, said impeller chamber having an enlargement forming a vacuum chamber arranged to the rear of said discharge with relation to the direction of rotation of said impeller, a priming



tube connected to said inlet chamber and terminating in a nozzle connected to said vacuum chamber, and an opening through said nozzle for flowing liquid from said discharge chamber through said nozzle into said vacuum chamber, for the purpose set forth.

2,075,316
SILENCER FOR INTERNAL COMBUSTION ENGINES
Einar Olof Eugen Tydén, Stockholm, Sweden, assignor, by mesne assignments, to Carl Theodor Setterberg, Stockholm, Sweden
Application November 16, 1934, Serial No. 753,366
In Sweden November 21, 1933
8 Claims. (Cl. 181—46)



1. A silencer for internal combustion engines, comprising a gas exhaust pipe, and at least one body located in said pipe, said body being provided with a plurality of flow passages for the exhaust gases extending at least approximately in the longitudinal direction of said gas exhaust pipe, the sum of the smallest cross-sectional areas of said passages being substantially smaller than the cross-sectional area of said gas exhaust pipe, and the length of each passage in the direction of flow of the gases being several times its largest cross-sectional dimension.

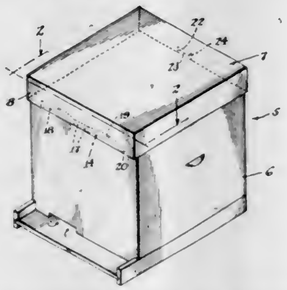
2,075,317
BASE FOR FLOOR COVERINGS AND THE LIKE
Charles A. Upson, Lockport, N. Y., assignor to The Upson Company, Lockport, N. Y., a corporation of New York
Application April 16, 1931, Serial No. 530,562
10 Claims. (Cl. 154—46)



1. A base for floor coverings and the like comprising one or more layers of relatively

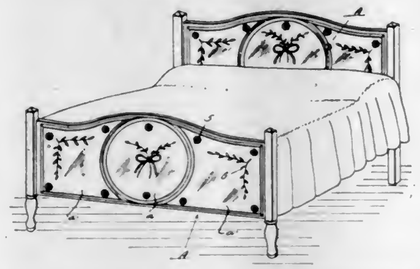
strong and hard fiber board having a waterproofing agent thoroughly incorporated therein during the formation of the board, and a layer of relatively soft material associated with said fiber board to provide a surface to which floor coverings and the like may be secured.

2,075,318
MEANS FOR HOLDING A COVER FOR A BEE-HIVE BOX OR THE LIKE
Reuben S. Whitehouse, Boston, Mass.
Application November 8, 1935, Serial No. 48,881
9 Claims. (Cl. 6—1)



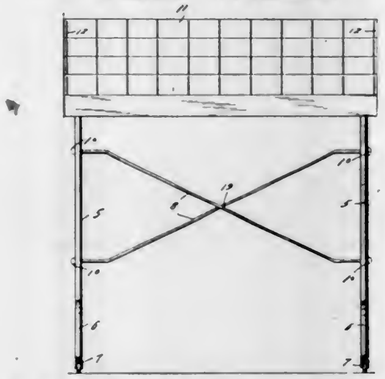
1. In combination, a box for beehives or the like comprising a body and a cover embodying downwardly extending sides fitting over said body, and a resilient bar member having a bend therein fastened to one of said cover sides, said resilient bar member being in contact with said cover and body when said cover is on said body, and embodying an outwardly projecting prong penetrating said body.

2,075,319
MIRRORED FURNITURE
Francis J. Wilkie, Detroit, Mich.
Application April 20, 1935, Serial No. 17,497
2 Claims. (Cl. 88—85)



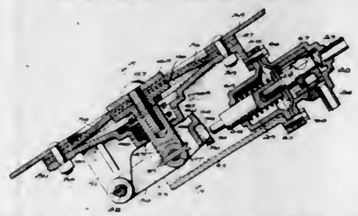
1. In combination, a bed, fixed frameless mirrors covering portions of the bed and secured to said portions, each mirror including a backing covering the glass surface and a felt sheet placed between the backing and that part of the bed to which the mirror is attached to protect said part of the bed from marring, screws for directly and detachably connecting the mirror assembly to the bed to permit the mirror assembly to be removed, said screws passing through the bed and the mirror assembly and having their heads countersunk in said bed and their ends extending through the glass surface of the mirror, and nuts in the form of rosettes connected to said ends of the screws.

2,075,320
KNOCK-DOWN STAND FOR DISPLAY TRAYS
Herman H. Williams, Minneapolis, Minn., assignor to Northrup, King & Company, Minneapolis, Minn., a corporation of Minnesota
Application July 27, 1936, Serial No. 92,743
2 Claims. (Cl. 211—128)



2. A stand of the kind described comprising tubular columns provided at their lower ends with fork-like bases affording legs, transversely crossed tie rods having their ends rigidly but detachably secured to said columns, in combination with an inclined stepped tray, and angular metallic saddle straps applied to the bottoms of the ends of said tray and provided with depending stems telescoped into the upper ends of said tubular columns.

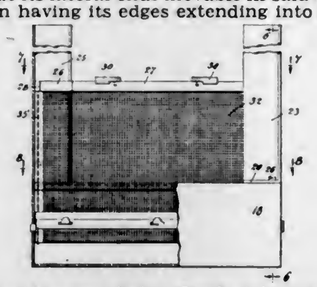
2,075,321
CONTROL MECHANISM FOR EMPTY AND LOAD BRAKES
William E. Wine, Toledo, Ohio
Application October 18, 1935, Serial No. 45,667
16 Claims. (Cl. 188—195)



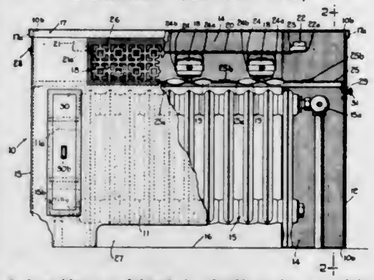
1. In a railway car having a fluid pressure brake system, the combination with apparatus for varying the braking power of the system according to the light or loaded condition of the car, of mechanism controlling the operation of said apparatus including a fluid pressure operated member movable different distances depending upon the condition of loading of the car, and means movable independently of said fluid pressure operated member for limiting the extent of movement of said member, said means including a movable element engageable by the lading within the car and adapted to be actuated thereby.

2,075,322
ROLLING SCREEN
Julian J. Woloszyn, Johnson City, N. Y.
Application June 22, 1936, Serial No. 86,444
2 Claims. (Cl. 156—39)

2. In a screen for windows having slidable sashes, a casing extending across said window, a spring actuated roll mounted to rotate in said casing, chambered uprights on said casing extending contiguous to the window frame, a bar having blocks at its lateral ends movable in said uprights, a screen having its edges extending into said uprights, said screen being fixed at its upper edge to said bar and adapted to coil about said roll at its lower edge, chains engaged with said blocks and coiled on said roll to relieve said screen from tension, and means on said bar to engage the sash of the window.



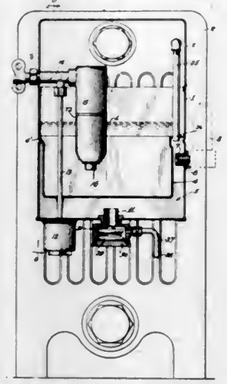
2,075,323
RADIATOR CABINET
Clarence M. Woolley, New York, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application October 30, 1935, Serial No. 47,364
4 Claims. (Cl. 257—137)



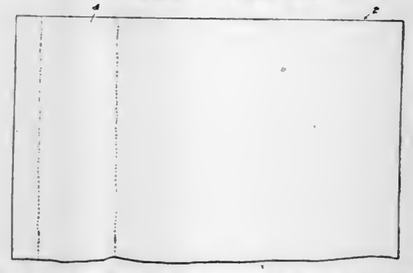
1. A heating cabinet including in combination a casing adapted to substantially enclose a heating element, one or more motor-fan assemblies housed in the casing above said heating element, means supporting said one or more motor and fan assemblies and wholly supported by said casing, a displaceable septum provided with an opening or openings correlated with the fan or fans of such motor and fan assembly, said casing being provided with openings communicating with the interior of the casing above said septum, said casing being further provided with an opening or openings communicating with the interior of the casing below said heating element.

2,075,324
HUMIDIFIER
William J. Woolley, Chicago, Ill.
Application June 23, 1934, Serial No. 732,026
8 Claims. (Cl. 237—78)

1. An humidifying apparatus comprising, in combination with a steam heating system, a receptacle open to the atmosphere, a regulator for the passage of condensate to said receptacle, a chamber accessible to the steam in said system and in heat exchange relation with said receptacle, means for controlling the accumulation of condensate in said chamber to control the temperature of said receptacle, a conduit for the condensate leading from said chamber to said regulator, and a steam trap interposed between said chamber and said conduit to prevent steam from entering said conduit.



2,075,325
MANUFACTURE OF PAPER TUBES
George R. Wyman, East Walpole, Mass., assignor to Bird & Son, Inc., East Walpole, Mass., a corporation of Massachusetts
Application January 23, 1935, Serial No. 3,045
11 Claims. (Cl. 93—94)

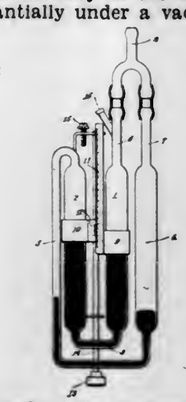


1. A paper shot shell tube comprising a single piece of water-proofed paper including an integral anti-char homogeneous portion of relatively denser paper wound in a series of layers with said denser portion forming one of said layers.

2,075,326
MANOMETER
Adolph Zimmerli, New Brunswick, N. J.
Application February 11, 1936, Serial No. 63,356
2 Claims. (Cl. 73—31)

2. A differential vacuum tube gage comprising a tube system consisting of three non-capillary tubes arranged vertically and in transverse alignment, one of said non-capillary tubes having its opposite ends connected through capillary tubes to the lower ends of the outer non-capillary tubes, the upper ends of the outer non-capillary tubes being connected to a vacuum line, the lower bend of said capillary tube connecting the upper end of the intermediate non-capillary tube to the lower end of one of the outer non-capillary tubes being at least as low as the other capillary tube connection, mercury in the U-tube formed by the intermediate tube and the non-capillary tube connected to the lower end thereof, a mercury seal between the upper end of the intermediate tube and the upper end of the non-

capillary tube connected to said upper end of the intermediate tube, the space between the seal and the mercury in the intermediate tube being substantially under a vacuum, the differ-



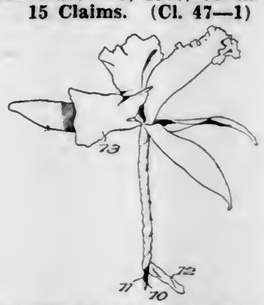
ence in the levels of the mercury columns in said U-tube indicating absolute pressure in said vacuum line, and means for reading said difference in level.

2,075,327

HORTICULTURAL BINDING TAPE

Allen Abrams, Charley L. Wagner, and George W. Forcey, Wausau, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application March 19, 1936, Serial No. 69,730
15 Claims. (Cl. 47—1)



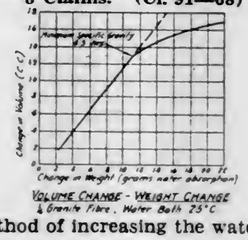
2. A horticultural article having one or more portions of a living plant wrapped with a tape comprising a flexible self-sustaining sheet of wax and rubber composition.

2,075,328

METHOD OF IMPREGNATING CELLULOSIC MATERIALS AND PRODUCT OF SAID METHOD

Gerard A. Albert, Kennett Square, Pa., assignor to National Vulcanized Fibre Company, Wilmington, Del., a corporation of Delaware

Application October 3, 1933, Serial No. 691,923
6 Claims. (Cl. 91—68)



VOLUME CHANGE - WEIGHT CHANGE
4 Granite Fibre, Water Bath 25°C

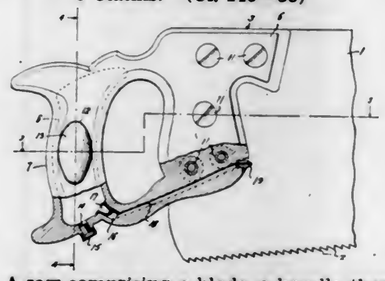
1. A method of increasing the water-resistance of a cellulosic material without impairing its desirable characteristics, which consists in immersing said material in a solution of a synthetic resin in an intermediate stage until the combination of cellulosic material and resin reaches minimum specific gravity and converting said resin to its final stage.

2,075,329

SAW

James N. Alexander, Birmingham, Ala.

Application July 21, 1933, Serial No. 681,633
Renewed June 18, 1935
3 Claims. (Cl. 145—35)



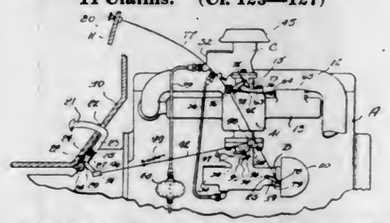
2. A saw comprising a blade, a handle therefor having a grip portion, means mounted in the handle for holding a lubricant, and separate means for each face of the blade operable from the side only of the handle and having an operating surface which lies substantially flush with the side of the grip portion of the saw handle for permitting ejection of said lubricant on its own face of the blade only.

2,075,330

ENGINE

William R. Angell, Jr. and Harold H. Timian, Detroit, Mich., assignors to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia

Application May 12, 1933, Serial No. 670,626
11 Claims. (Cl. 123—127)



1. In a charge forming device for internal combustion engines of the type having an intake manifold for conducting the charge to the several cylinders of the engine, said manifold having a fuel mixture distributing chamber; said device having a primary riser extending upwardly to said chamber, means for heating the primary riser, a secondary riser extending downwardly to said chamber, said risers being substantially coaxial, a primary carburetor for said primary riser and a secondary carburetor for said secondary riser and shielded from said heating means associated with said primary riser, primary and secondary throttle valves for said carburetors respectively, means for supplying fuel to said carburetors, and means for manually operating said throttle valves whereby the secondary throttle valve is opened only after a predetermined open-

ing movement of the primary throttle valve, whereby to relatively lower the temperature of the fuel mixture introduced into the engine during relatively high load engine operation.

2,075,331

METHOD AND APPARATUS FOR THE ELECTRODEPOSITION OF METAL

Frank L. Antisell, Wilkinsburg, Pa., assignor to Copperweld Steel Company, Glassport, Pa., a corporation of Pennsylvania

Application December 30, 1932, Serial No. 649,532
20 Claims. (Cl. 204—11)



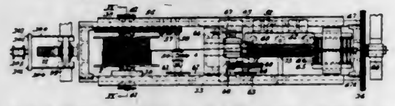
1. In the method of electrodepositing metal on a core, the steps comprising passing the core as a cathode through an electrolytic bath, rotating the core axially while passing through the bath, and forming compacted spaced paths in the form of helixes on the deposited metal to refine the grain structure.

2,075,332

APPARATUS FOR THE ELECTRODEPOSITION OF METAL

Frank L. Antisell, Wilkinsburg, Pa., assignor to Copperweld Steel Company, Glassport, Pa., a corporation of Pennsylvania

Application June 4, 1936, Serial No. 83,532
In Great Britain December 24, 1932
43 Claims. (Cl. 204—5)



1. Apparatus of the type described which comprises an electrolytic bath, means for passing a wire through said bath, means for rotating said wire about its axis while passing through said bath and while maintaining it under tension, and means for depositing metal from said bath onto said wire.

2,075,333

TREATMENT OF PAPER

James Augustus Arvin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 3, 1934, Serial No. 713,945
5 Claims. (Cl. 91—68)

1. As a new article of manufacture paper treated with the resinous reaction product of a substantially unpolymerizable polyhydric phenol and an organic polyhalide whose halogen atoms are all attached to different carbon atoms, said carbon atoms being joined to other atoms by single bonds only.

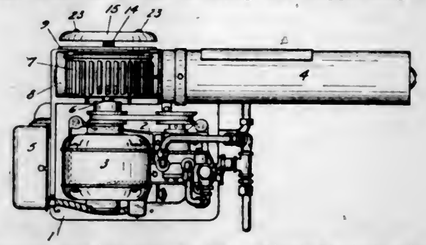
2,075,334

OIL BURNER DRAFT CONTROL

Marshall H. Braden, Rock Island, Ill., assignor, by mesne assignments, to Oil Burner Builders, Inc., Davenport, Iowa, a corporation of Iowa

Original application February 11, 1932, Serial No. 592,282. Divided and this application January 20, 1936, Serial No. 59,847
3 Claims. (Cl. 230—114)

1. In an oil burner mechanism, a fan housing having an opening opposite the end of the fan for the admission of air, damper mechanism covering said opening and being adjustable to regulate the effective carrying capacity thereof, said damper mechanism comprising a pair of relatively adjustable apertured plates, adjustment of which varies the effective size of the openings through the plates, supporting means in connection with said fan housing for supporting the



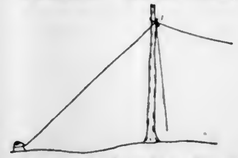
damper mechanism, and an adjustable bolt which alone adjustably supports said plates with relation to said fan housing, said bolt extending into said supporting means.

2,075,335

SPAR-TREE STRAP AND ADJUSTABLE CLAMP-EYE THEREFOR

Eitel P. Brown, Little Rock, Wash., assignor of one-half to Roy Wood, Bordeaux, Wash.

Application March 12, 1935, Serial No. 10,650
1 Claim. (Cl. 24—126)



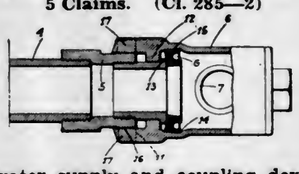
A clamp-eye adapted to be adjustably clamped in any desired position on a cable, comprising a socket body with an eye extension and having a conical cavity therein, through which said cable is threaded said eye extension lying to one side of said conical cavity; a clamping cone formed of two separate sections and adapted to fit in the conical cavity in said socket body and to engage and clamp the cable between them; means whereby the two sections of the clamping cone are held in alinement; a semicylindrical screw-threaded extension projecting from the small end of each of said sections, the threads of said two extensions being coordinated by means of said alining means, said sections passing through and extending from said socket body; and a nut screwed onto the coordinated threads of both said extensions and adapted to press against said socket body to draw the clamping cone into the socket and thereby to clamp the cable thereto.

2,075,336

TRAVELING SPRINKLER

William A. Buckner, Fresno, Calif.

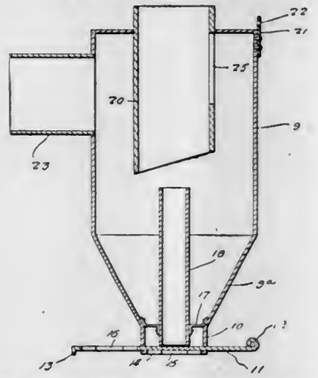
Application April 15, 1935, Serial No. 16,376
5 Claims. (Cl. 285—2)



1. A water supply and coupling device for a rotary traveling sprinkler comprising a rigid substantially horizontal supply pipe adapted for connection at one end to the sprinkler, a relatively fixed vertical and rotatable supply spindle at the other end of the pipe, a housing member rigid with the upper end of the spindle and hav-

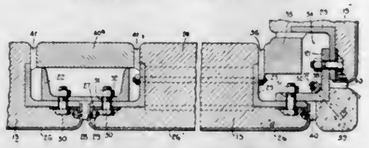
ing a vertical wall, a tubular member mounted on said other end of the pipe and projecting loosely through said wall, whereby said member may have limited swivel movement relative to the housing, means between the housing and member confining such movement in a vertical plane, and water sealing means between the housing and member and functioning irrespective of relative movement between the housing and member.

2,075,337
ASH AND SOOT TRAP
Harold F. Burnaugh, Denver, Colo.
Application April 3, 1936, Serial No. 72,639
1 Claim. (Cl. 126—280)



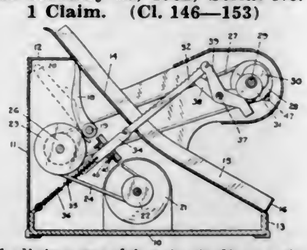
A soot and ash trap for flues comprising a shell having an inlet in the side thereof, an outlet pipe section extending downwardly from the top of the shell and terminating at its lower end below the said inlet, a valve in the lower portion of the shell which can be opened to permit emptying of the shell, and a vertically extending tube supported in the shell, said tube being open at both ends and having its lower end terminating adjacent the said valve.

2,075,338
BUILDING CONSTRUCTION
Robert L. Davison, New York, N. Y., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application August 2, 1935, Serial No. 34,352
10 Claims. (Cl. 72—16)



1. In an improved building construction, the combination of a skeleton framework, having spaced parallelly arranged upwardly extending members, said members comprising corner structural-angles, having their vertices directed outwardly, and intermediate structural channels having their flanges directed inwardly, prefabricated panel units spanning the space between adjacent uprights, each of said panel units having an outer member that partially encloses said adjacent uprights, and an inner member fitting between said adjacent uprights, and means for securing the ends of the panels to the uprights.

2,075,339
BREAD SLICING MACHINE
Sander Debus, Hastings, Nebr.
Application January 18, 1934, Serial No. 707,089
1 Claim. (Cl. 146—153)



A bread slicing machine including a forwardly and downwardly inclined chute having a plurality of apertures positioned transversely thereof, a plurality of rearwardly and downwardly inclined knives passing through the apertures of said chute, a transverse shaft below the upper extremities of said knives, a plurality of rocker arms journalled on said shaft, detachable connections between said rocker arms and said knives, cams for actuating said rocker arms for imparting forward and upward movement to said knives, links detachably secured to said knives at the lower extremities thereof, said links being positioned beneath said chute and in close proximity thereto, springs secured to said links for imparting rearward and downward movement to said links and knives, and guides for maintaining straight line reciprocatory movements of said links, the arrangement being such that the loaf of bread being sliced will lie in the trough formed by said chute and said knives to be sliced as a result of the compound movement of the reciprocation and oscillation of said knives.

2,075,340
CONDENSATION PRODUCTS AND PROCESS
Ludwig Cserny, Wiesbaden, Germany, assignor to The Resinous Products & Chemical Company, Philadelphia, Pa.
No Drawing. Application January 10, 1935, Serial No. 1,171. In Germany January 13, 1934
11 Claims. (Cl. 154—2)

1. The process which comprises condensing a mixture of an acid amide, formaldehyde and one of the group consisting of phenols and phenol-carbonyl condensation products to a gel capable of being sliced, cutting said gel into sheets, preparing similar sheets of a like gel having different color characteristics, superposing sheets of said gels having alternately different color characteristics, welding said sheets together by pressure at temperatures of from about 50° C. to about 100° C. and completing the condensation at the same temperatures.

2,075,341
PRUNING APPARATUS FOR TREES AND THE LIKE
John S. Goodman, Wichita Falls, Tex.
Application September 10, 1934, Serial No. 743,400
3 Claims. (Cl. 30—11)

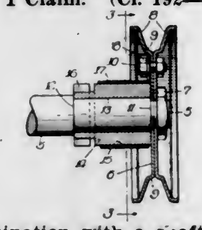
1. A pruning device comprising a cylinder having a piston operatively disposed therein, the said piston being attached to the lowermost end of a piston rod, a spring surrounding the said piston rod and urging the piston to its normal position in the lower portion of the said barrel, a tubular housing rigidly attached to the top portion of the said barrel and having an integral blade attached to its uppermost end, a movable blade cooperating with the said first named blade

and having an operative lever portion, a link connecting the lever portion of the said movable blade to the uppermost end of the said piston rod and operating through lateral slots in the said



tubular housing, a valve attached to the lowermost end of the said barrel and capable of admitting a fluid into the said barrel and allowing the said fluid to escape therefrom, and means to operate the said valve.

2,075,342
CLUTCH
William A. Goss, Libertyville, Ill., assignor to Johnson Motor Company, Waukegan, Ill., a corporation of Delaware
Application December 31, 1934, Serial No. 759,884
1 Claim. (Cl. 192—42)

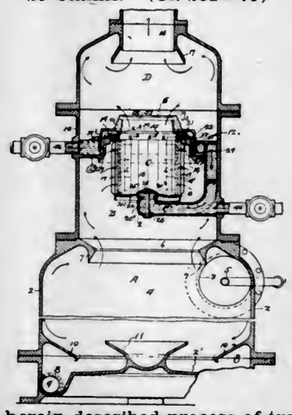


The combination with a shaft having spaced shoulders one of which is adjacent its end, of a sleeve rotatable on said shaft adjacent the last mentioned shoulder and in abutment with the other, a pulley having a web mounted at the end of the shaft in abutment with the shoulder adjacent such end and also in abutment with the end of said sleeve, a nut threaded to the end of the shaft and confining said pulley web thereon, whereby to fix said pulley to said shaft and to fix the axial position of said sleeve thereon, and a spring wound loosely about said sleeve and having one end connected with said pulley to comprise a one way clutch connection from said sleeve to said shaft through said pulley, the web of said pulley fitting sufficiently closely to said sleeve to confine said spring thereon.

2,075,343
SYNTHETIC RESINS
George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 3, 1936, Serial No. 72,643
8 Claims. (Cl. 260—2)

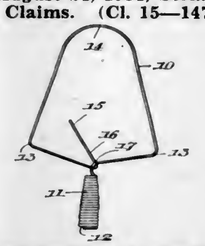
1. A process which comprises reacting a polyether resin with an organic compound containing a plurality of halogen atoms attached to different carbon atoms which are in turn attached to an ether oxygen atom.

2,075,344
CONTACTING PROCESS AND APPARATUS
Charles Gilbert Hawley, Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio, a corporation of Ohio
Application January 22, 1934, Serial No. 707,803
29 Claims. (Cl. 261—79)



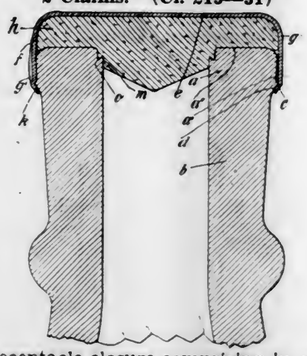
1. The herein described process of treating gas in swift motion, that consists in first freeing the moving gas from entrained substances, then constricting the path of the purified gas, increasing its velocity, and restricting the gas to rapid vortexial action about an axis of forward movement, feeding liquid into the central portion and base of the gaseous vortex thus maintained and by the forces of such vortex atomizing the liquid and spirally retaining the liquid particles within and across the path of the whirling gas, thus ensuring contact of gas and liquid, progressively and abruptly terminating such admixture, separately discharging the resultant liquid product at a point axially distant from said base, and condensing the gaseous product.

2,075,345
FRAME FOR HOLDING DETACHABLE COVERS WITH SPECIAL REFERENCE TO DUST MOPS
Howard W. Jelliffe and Walter H. Abbott, Cleveland, Ohio; said Abbott assignor to George M. Abbott
Application August 24, 1934, Serial No. 741,252
3 Claims. (Cl. 15—147)



1. In mop construction, a mounting for holding a mop covering comprising a resilient wire frame expandible to engage the covering firmly and compressible to be disengaged from the covering, and means formed on said frame for locking the latter in compressed position.

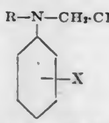
2,075,346
RECEPTACLE FOR CLOSURE BY SEALING CAP
Robert Landau, Paris, France
Application December 4, 1933, Serial No. 700,890
In France April 22, 1933
2 Claims. (Cl. 215—31)



1. A receptacle closure comprising in combination a cap of resilient material having a dependent cylindrical flange adapted to be bent inwards into gripping engagement with the receptacle, a compressible gasket in the said cap, a neck portion adjacent the mouth of the receptacle, the side surface of the said neck portion being substantially cylindrical and its end surface adapted to serve as a bearing surface for the said gasket, an outwardly projecting annular beading adjoining the said neck portion, the said beading being abruptly shouldered-out on the side nearest the mouth of the receptacle and gradually curved on the side remote from the said mouth, the upper edge of the said beading being adapted to slightly spread and to be firmly engaged by the said flange and the gradually curved under side thereof to be engaged by the bent-in portion of the said flange, and an annular ledge on the inside of the said mouth adjacent the said bearing surface and adapted to be engaged by the said gasket.

2,075,347
TERTIARY AMINES OF THE BENZENE SERIES AND A PROCESS OF MAKING THE SAME
Hans Lange, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 29, 1934, Serial No. 718,084. In Germany April 27, 1933
15 Claims. (Cl. 260—128)

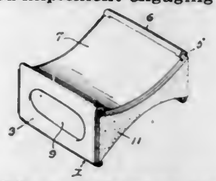
10. The tertiary aminobenzene of the general formula



in which R is an alkyl radicle containing more than three carbon atoms and X stands for one of the group consisting of hydrogen, alkyl, alkoxy and halogen.

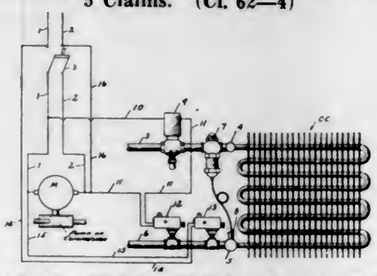
2,075,348
DEVICE FOR SHARPENING AND STROPPING CUTTING IMPLEMENTS
Miguel Lozano Lara, Puebla Pue, Mexico
Application November 13, 1935, Serial No. 49,567
1 Claim. (Cl. 51—211)

A device for sharpening and stropping cutting implements comprising a frame, curved seats formed on said frame and arranged in pairs with the pairs of seats arranged on opposite sides of the frame, curved sharpening and stropping plates supported by seats and each provided with a concaved implement engaging face, flanges



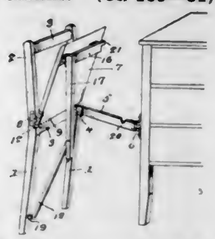
formed on said frame, extensions formed on said flanges, said plates being cut away to form extensions to fit under the flanges, said first-named extensions adapted to be bent to engage the opposite sides of the second-named extensions cooperating with the flanges in retaining the plates in engagement with the seats.

2,075,349
REFRIGERATION
Harvey B. Lawton, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois
Application August 26, 1935, Serial No. 37,911
5 Claims. (Cl. 62—4)



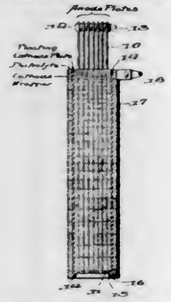
1. An electrically operated and controlled refrigerating apparatus having a motor for circulating a refrigerant through a cooling coil and reducing the pressure in the return from said coil, in combination with means actuated by variations in pressure within said return to maintain a reduced pressure therein sufficient to prevent the refrigerant leaking therefrom, said means including a solenoid operated valve in the refrigerant supply adjacent the cooling coil connected in the motor circuit and controlled by said pressure actuated means.

2,075,350
FOLDING CHAIR
Frank J. Leverone, Medford, Mass.
Application February 16, 1935, Serial No. 6,907
2 Claims. (Cl. 155—81)



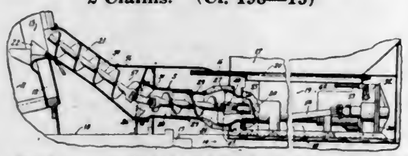
2. A foldable chair comprising a rear portion including legs, a seat pivotally secured to the rear portion, a notched rail having one end secured to the rear portion, supporting means having the opposite end of the rail secured thereto, said rail mounted for movement in a horizontal plane into and out of the path of one side of the under surface of the seat, legged means hinged to the seat and having an end received in the notch of the rail for cooperation with the latter, the supporting means, and the legs of the rear portion and legged means respectively for supporting the seat in operative position a suitable distance from the floor, and brace means pivotally secured to said legged means, and a leg of the rear portion.

2,075,351
ELECTROLYTIC CONDENSER
Julius Edgar Lilienfeld, Winchester, Mass., assignor, by mesne assignments, to The Magnavox Company, Fort Wayne, Ind., a corporation of Arizona
Application November 27, 1934, Serial No. 755,056
17 Claims. (Cl. 175—315)



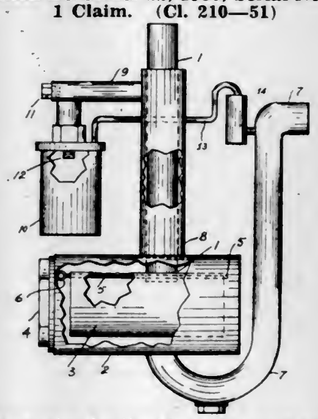
1. An electrolytic condenser unit comprising a plurality of closely spaced superposed filmed anode strata and a single stratum of a low-resistance plastic non-drying electrolyte between each adjacent pair of anode strata and spacing the same, a body of said electrolyte encompassing the collective anode strata and communicating with the electrolyte therebetween, and an outer metallic cathode member in contact with said encompassing electrolyte body and mechanically spaced and secured thereby and in electrical connection through the electrolyte with all of the filmed anode strata.

2,075,352
DRIVING MECHANISM
Nathan M. Lower, Crestwood, Tuckahoe, N. Y., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Application March 15, 1935, Serial No. 11,193
2 Claims. (Cl. 198—15)



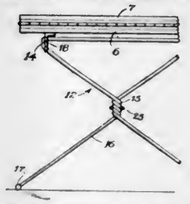
1. In a conveying system, a conduit having a material receiving portion and a material discharge portion, a drive mechanism housing, a hollow hub journalled in said housing, a shaft passing through said hollow hub, mechanism for rotating said hollow hub and said shaft, means for interrupting the operation of said hollow hub during continued operation of said shaft, a conveyor screw in said conduit comprising a plurality of screw sections, one of said screw sections being disposed within the material receiving portion of said conduit, said screw section including a hollow hub and a shaft passing therethrough, said last named hollow hub being flexibly connected to the hollow hub in said drive mechanism housing for slight relative angular movement therebetween, said last named shaft at one end being jointed to an adjacent screw section in end to end relation and at the other end being flexibly connected to the shaft in said drive mechanism housing for relative longitudinal movement and slight relative angular movement therebetween, said conduit being arranged to receive material in its material discharge portion independently of its material receiving portion.

2,075,353
SEPARATOR FOR LIQUIDS AND SOLIDS
William Robert Mobley, Miami, Fla.
Application December 22, 1930, Serial No. 503,979
1 Claim. (Cl. 210—51)



In a separator for liquids, and liquids and solids, of different specific gravities, a separating chamber having an intake for the said materials, independent outlets for the heavier and lighter liquids respectively after separation, one of said outlets surrounding the intake and the upper part of the outlet for the lighter materials being open to the atmosphere, a receiving chamber for the lighter liquid, and an air line connecting the said receiver at a point above the level of the liquid therein with the outlet for the heavier liquid at a point below the top level of the heavier liquid.

2,075,354
COLLAPSIBLE GAME TABLE
Namee Monier, New York, N. Y.
Application June 10, 1935, Serial No. 25,870
2 Claims. (Cl. 311—84)



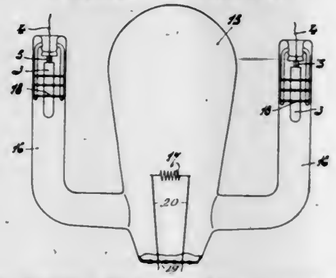
1. A game table comprising a top and two pairs of legs supporting the top, each pair of

legs being pivotally mounted to swing under the top and formed from a single rod bent to provide a portion under and parallel with the top, portions converging downwardly below the horizontal portion and twisted together at their meeting point, portions diverging below the twisting, and a brace pivotally connected at one end to one of said pairs of legs and releasably engaging the other of said pairs of legs.

2,075,355
DISCHARGE TUBE

Johannes Gijsbertus Wilhelm Mulder, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application November 3, 1930, Serial No. 493,113
In the Netherlands January 18, 1930
9 Claims. (Cl. 250—27.5)

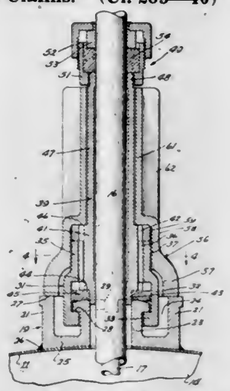


1. An electron discharge tube, comprising an envelope having walls, a cathode and an anode, said anode having a large active surface opposing the cathode, the anode and cathode having a discharge path therebetween, a member contacting with said anode, there being a long discharge path between the point of contact of the anode with the said member and the operating discharge path, and a member surrounding said anode, the said last-mentioned member comprising a disc of insulating material having a central aperture through which the anode passes and providing a slight clearance between the anode and the disc, said disc forming a partition in the space between the anode and the wall of the discharge tube.

2,075,356
LIQUID DELIVERING APPARATUS

Edgar G. Petersen and Henry D. Seitz, Chicago, Ill., assignors to Pines Winterfront Co., Chicago, Ill., a corporation of Delaware

Application August 30, 1934, Serial No. 742,106
2 Claims. (Cl. 285—40)

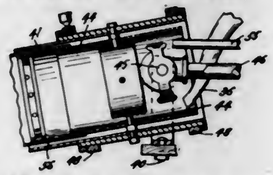


2. In an apparatus for delivering liquid from a container having a supply pipe, and a carrier element for said supply pipe; a bushing secured to said container and having a pair of annular upstanding flanges thereon, a thimble mounted for sliding movement only on said carrier and adapted to engage one of said flanges of said bushing, and an actuating element surrounding said carrier and adapted to engage a shoulder thereon, said actuating element being mounted for screw threaded engagement with said thimble and having an annular end portion for contacting the other of said flanges of said bushing to positively limit relative movement in one direction between said carrier, bushing, thimble and actuating element.

2,075,357
PLACER MACHINE

John F. Poore, Denver, Colo.

Application February 17, 1934, Serial No. 711,686
2 Claims. (Cl. 209—452)



2. In a gold saving machine: an inclined tube; means for rotating said tube; circular hoops; an annular resilient covering about said hoops, said hoops being forced into said tube with said covering in contact with the inner wall thereof to form annular riffles.

2,075,358
PROCESS FOR COOLING LIQUIDS

Gilbert Nelson Reeves, London, England

No Drawing. Application September 6, 1933, Serial No. 688,355. In Great Britain February 10, 1933
8 Claims. (Cl. 99—60)

1. Process for cooling a hot liquid cream product having a high fat content, by a cooling process wherein the said liquid product is caused to flow in stream form in contact with cooling surfaces, which process consists in first cooling the said liquid product from a temperature above that at which solidification of the melted fat particles can occur, to a temperature below the point at which the said solidification occurs, interrupting the passage of the cream product along the cooling surfaces at such a temperature and for such a time as to allow the mixture to assume its new physical state at a temperature below that at which solidification of the fat particles will occur, then further cooling the said product to near 34° F.

2,075,359
INSECTICIDE

Paul Lawrence Salzberg and Euclid Wilfred Bousquet, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 16, 1930, Serial No. 489,232
13 Claims. (Cl. 167—22)

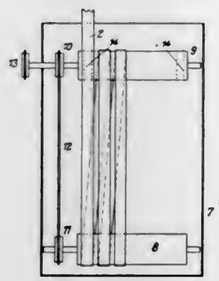
1. An insecticide comprising a fluosilicate of an organic base.

12. A moth-proofing composition comprising a solution of a fluosilicate of an organic base.

2,075,360
TELEVISION APPARATUS

Georg Schubert and Rolf Möller, Berlin, Germany, assignors to firm: Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany

Application November 3, 1932, Serial No. 641,092
In Germany November 5, 1931
7 Claims. (Cl. 178—6)

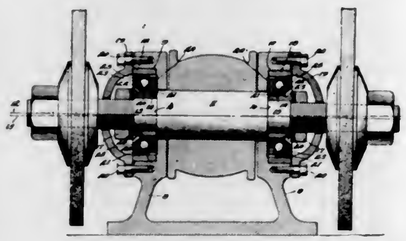


1. In a method of electrically transmitting animated pictures, scenes and the like, in which a light sensitive cell and a scanning device is employed, the steps of exposing a blue-sensitive moving picture film to the object whose image is to be transmitted, conducting then said blue-sensitive film immediately through a developing bath adapted to form images which, though of insufficient contrast for satisfactory photographic reproduction are capable of controlling the light sensitive cell, and then scanning the images on said film, the scanning being effected with red light to which the film is insensitive.

2,075,361
BEARING

Richard A. Schultz, Chicago, Ill.

Application April 25, 1936, Serial No. 76,374
4 Claims. (Cl. 308—233)



1. In a bearing, the combination of an inner bearing member having an annular race portion which is convex longitudinally of the bearing member, and having an outwardly projecting flange at one end thereof, tubular rollers engaging with said race portion, balls in said rollers of greater diameter than the lengths of the rollers, an outer bearing cylinder having a straight bore engaging with said rollers, an end ring secured within the outer bearing member and having a portion extending inwardly and overlapping the flange to hold the parts in assembled position, and a second end ring secured to the inner bearing member on the end opposite from said first named ring, said rings engaging with the balls for taking up end thrust.

2,075,362
METAL POLISH

Ida Selleck and Florence Ray, Ypsilanti, Mich.

No Drawing. Application May 5, 1936, Serial No. 78,042
1 Claim. (Cl. 134—24)

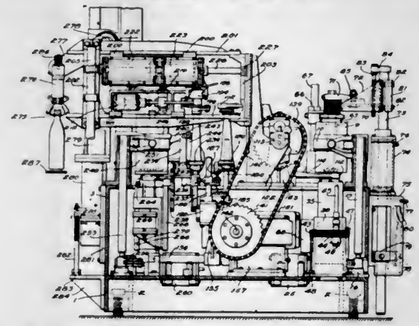
A composition for polishing metal and the like that consists of:

Tripoli powder	pounds	1½
Vinegar	cup	½
Powdered beeswax	teaspoonful	½
Diatomaceous earth	ounces	4
Water (preferably rain)	gallon	1
White corn meal	teaspoonful	½
Condensed milk	(Quantity sufficient to make a thick cream)	

2,075,363
APPARATUS FOR FORMING HOLLOW GLASS ARTICLES

Algy J. Smith, Bloomfield, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application April 11, 1935, Serial No. 15,753
22 Claims. (Cl. 49—9)



1. Apparatus for forming hollow glass articles, comprising a support, a blank mold mounted in neck-down position on said support, means for forming charges of glass into blanks in said blank mold, a blow mold mounted in neck-up position on said support on substantially the same working level as said blank mold, means for blowing blanks to final form in said blow mold, and means for transferring blanks from said blank mold to said blow mold including plural blank gripping means for simultaneously inverting and laterally moving blanks, said plural blank gripping means being mounted and arranged for unidirectional orbital movement in a single predetermined path and cooperating successively with blanks formed successively in said blank mold.

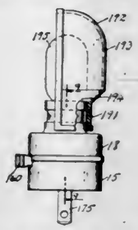
2,075,364
CONVENIENCE LIGHT FIXTURE

Christopher I. Smith, New York, N. Y., assignor to Marks Products Co., Inc., Brooklyn, N. Y., a corporation of New York

Application February 16, 1935, Serial No. 6,773
3 Claims. (Cl. 240—73)

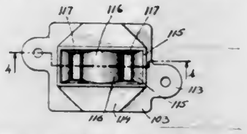
3. A convenience light, in combination, a cylindrical housing having a base portion provided with electrical contacts, said base portion having a chamber and side openings, stationary switch contacts in the side openings, a movable switch member in the chamber, an operating lever for the movable switch member protruding exteriorly of the base portion, a cylindrical cover portion having a central chamber and having a pe-

ripheral groove, a lamp shell in the cover chamber, a lamp shade removably engaging said cylindrical cover portion and having spaced ribs posi-



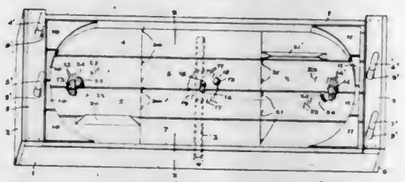
tioned on the same horizontal plane for engaging the peripheral groove of the cover portion and a pair of vertical ribs adapted to engage the cover portion.

2,075,365
PLUG RECEPTACLE
Christopher I. Smith, New York, N. Y., assignor to Marks Products Co. Inc., Brooklyn, N. Y., a corporation of New York
Application March 11, 1935, Serial No. 10,384
7 Claims. (Cl. 173—330)



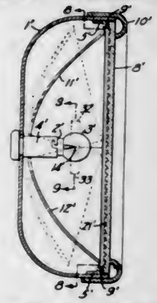
1. In a device of the kind described, the combination of a substantially rectangular box-like casing having relatively thin side walls, end walls and a front wall, a central post integral with said front wall, a division wall extending from each end wall to the central post, said walls being offset with respect to each other, terminal supports adjacent and parallel to each end wall each extending from one division wall to one side wall intersecting the plane of the second division wall and having a terminal within an aperture of the adjacent end plate.

2,075,366
GAME BOARD
Harry Goldwin Smith, Napanee, Ontario, Canada
Application April 13, 1935, Serial No. 16,116
7 Claims. (Cl. 273—110)



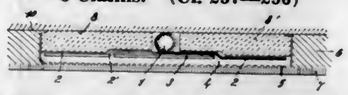
1. A competitive game board having a playing surface formed by a plurality of paired slats, means supporting each slat for independent longitudinal rocking and transverse tilting movement to impart directional effect to a mobile object contacting therewith, one slat of the pair being operable from one end only of the game board and the other slat of the pair being operable from the other end only of the game board whereby opposed players may simultaneously manipulate the respective slats to compete for the control of the mobile object.

2,075,367
LIGHT PROJECTOR
George E. Smithburn, Berkeley, Calif.
Application March 29, 1935, Serial No. 13,648
3 Claims. (Cl. 240—41.3)



1. In a light projector comprising a casing having a source of light therein, the combination of a planar lens capable of passing without dispersion light rays lying in paths perpendicular to the surface thereof and of dispersing light rays lying in paths forming acute angles with said surface, a pair of confocal reflectors, and means for pivotally mounting said reflectors within said casing for independent rotation about axes passing through the common focal point, one of said reflectors being adapted to direct light from said source along paths lying normal to the surface of said lens and the other of said reflectors being adapted to direct light from said source along paths lying at acute angles to the surface thereof.

2,075,368
MEANS FOR HEATING ROOMS
Gaetano Camillo Squassi, Rome, Italy
Application January 27, 1936, Serial No. 61,084
In Italy January 31, 1935
6 Claims. (Cl. 257—256)

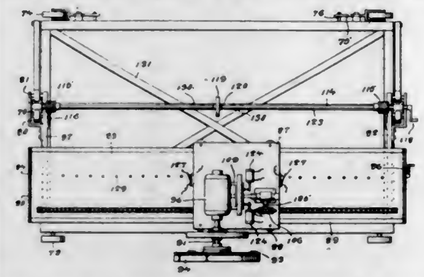


1. A heating unit particularly adapted for use in the heating of rooms and to be positioned in a wall, ceiling or floor, directly anterior to the outer surface thereof, said unit comprising plates of insulating material defining a recess therebetween adapted to receive a pipe line of small diameter therein, a pipe line through which a heating medium is adapted to flow arranged in said recess, heat transmitting elements attached to said pipe line and extending substantially tangentially therefrom in a plane substantially parallel to the general plane of the wall, ceiling or floor, said plates serving also as a backing for said heat transmitting elements.

2,075,369
MARBLE REFACING MACHINE
Lowell Stetler, Orange, N. J.
Application September 30, 1935, Serial No. 42,943
3 Claims. (Cl. 51—180)

1. A machine of the character described comprising a vertical frame having channeled tracks at opposite ends, runners having guide rollers fitting said tracks, forwardly projecting arms on said runners, a shiftable tracking board carried by said arms, a carriage movable on said tracking board, rack and pinion connection between

the board and said carriage, a motor carried by said carriage and operating said pinion, a surfacing element supported by the carriage and



driven by said motor, and electrically operated means for reversing the travel of the carriage on the tracking board.

2,075,370
PRODUCTION OF SODIUM ALUMINIUM FLUORIDE
Walter Strathmeyer, Oppau, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 30, 1936, Serial No. 88,087. In Germany July 6, 1935
9 Claims. (Cl. 23—88)

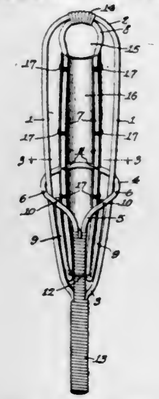
9. A process for the production of sodium aluminium fluoride consisting in dissolving 78 parts of aluminium hydroxide having a content corresponding to 64 per cent of Al_2O_3 in 415 parts of 29 per cent caustic soda solution and introducing this solution into a solution of 222 parts of ammonium fluoride in 300 parts of water while stirring, removing the ammonia formed by heating to about 80° to 90° C., filtering off the precipitate, washing and drying it.

2,075,371
PROCESS FOR DYEING ANIMAL FIBERS AND COMPOSITION OF MATTER FOR SAID PURPOSE
Fritz Straub, Fritz Grether, and Charles Graenacher, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application June 7, 1934, Serial No. 729,518. In Switzerland June 9, 1933
7 Claims. (Cl. 8—6)

5. A composition of matter, characterized by a content of such an acid wool dyestuff which is dyed in the first phase of the dyeing process in a bath rendered acid with acetic acid, and of at the most 5 per cent. of the weight of the dyestuff of a lyophile dispersing agent consisting of a lyophile salt of a benzimidazole substituted at the μ-carbon atom by an open aliphatic chain consisting of at least 8 carbon atoms.

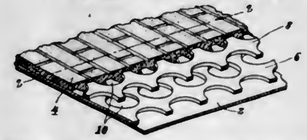
2,075,372
GAME DEVICE
William A. Taylor, Detroit, Mich.
Application December 11, 1935, Serial No. 53,989
6 Claims. (Cl. 273—96)

1. A game device including a handle, an elongated flat loop extending therefrom, a second elongated loop joined thereto, at one end and diverging therefrom in the direction of the handle, the sides of said second loop constituting a runway or control for a ball, ball receiving crooks extending through the first named loop near the handle and merging into the runway, and a tie



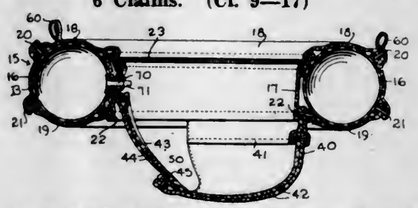
loop extending around and secured to the sides of the other loops and to the ends of the crooks.

2,075,373
BUILDING MATERIAL
John Tomec, Trenton, N. J.
Application August 3, 1935, Serial No. 34,510
11 Claims. (Cl. 154—45.9)



1. Building material embodying two sheets each formed with openings therein, the openings in one sheet having the edges thereof overlapping the edges of the openings in the other sheet and a plastic layer of wear receiving material applied to and covering the surface of one sheet only and extending through the openings in said sheet and into the openings in the other sheet.

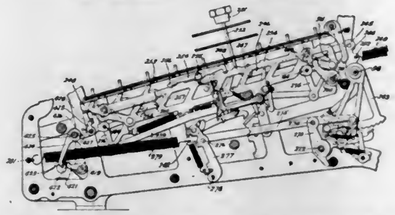
2,075,374
SADDLE FLOAT
Henry Temple Tucker, Fort Smith, Ark.
Application October 21, 1935, Serial No. 46,023
6 Claims. (Cl. 9—17)



6. In a float of the class described, a hollow ring-shaped portion, and a saddle portion secured to and extending across said ring-shaped portion in a sagging position with the rearward wall of said saddle portion being secured and depending from the inner periphery of said hollow ring-shaped portion and the forward wall of said saddle portion being secured to and sloping from the inner periphery of said hollow ring-shaped portion, said forward wall being secured at a location above the point of attachment of

said rearward wall to said hollow ring-shaped portion and said saddle portion sloping downwardly toward said rearward wall and being provided with leg-accommodating openings, whereby, because said forward wall of said saddle portion is secured to said ring-shaped portion at a location above that of said rearward wall, an occupant of said float will not gradually move forwardly on said saddle nor be suddenly pitched forward.

2,075,375
CALCULATING MACHINE
Joseph A. V. Turck, Wilmette, Ill., assignor to Felt & Tarrant Mfg. Co., Chicago, Ill., a corporation of Illinois
Original application May 16, 1930, Serial No. 452,876. Divided and this application March 26, 1934, Serial No. 717,346
12 Claims. (Cl. 235—130)



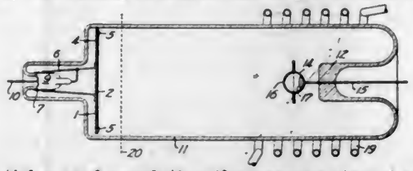
1. In a calculating machine, the combination of ordinal actuating mechanism, depressible keys regulating the additive degree of actuation of the various orders of actuating mechanism, a control mechanism for regulating the multiplicity of times said ordinal actuating mechanism is to be actuated and comprising other depressible keys, and an error control mechanism for locking both keys of the ordinal actuating mechanism and the multiplicity control mechanism against depression upon incomplete key stroke.

2,075,376
RESINOUS COMPOSITION
Richard T. Ubben, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 1, 1935, Serial No. 19,303
3 Claims. (Cl. 134—26)

1. A lacquer comprising an ethyl cellulose having at least one ethyl group per glucose unit, a plasticizer therefor, a resin obtained by condensing formaldehyde with a phenol having two and only two unsubstituted positions ortho to phenolic hydroxyl and having a tertiary aliphatic carbon atom para to all phenolic hydroxyls, and at least one lacquer solvent capable of dissolving the ethyl cellulose, resin, and plasticizer, said lacquer yielding films which in durability and color retention are at least equal to those of nitrocellulose lacquers containing natural resins.

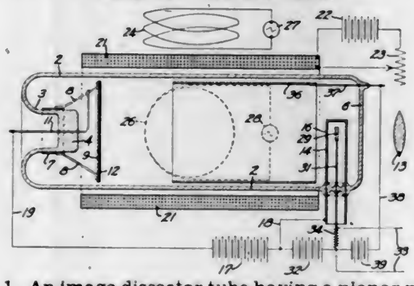
2,075,377
MEANS AND METHOD OF FORMING DISCRETE AREAS
Russell H. Varian, San Francisco, Calif., assignor to Farnsworth Television Incorporated, a corporation of California
Application March 13, 1935, Serial No. 10,883
5 Claims. (Cl. 250—27.5)

1. The method of forming electrically discrete areas of a vaporizable conducting material on a surface which comprises depositing a layer of closely adjacent insulating particles on said surface, condensing said material on portions of said



particles, and regulating the average size of said areas by controlling the average size of the particles deposited.

2,075,378
MEANS AND METHOD FOR COLLECTING SECONDARY ELECTRONS
Russell H. Varian, San Francisco, Calif., assignor to Farnsworth Television Incorporated, a corporation of California
Application March 13, 1935, Serial No. 10,889
3 Claims. (Cl. 250—27.5)



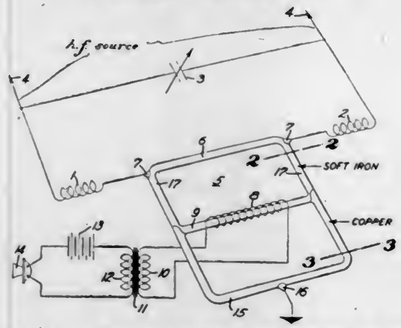
1. An image dissector tube having a planar photoelectric cathode adapted to initiate a discharge of cathode rays having an elemental cross sectional density corresponding to the intensity of light of elemental areas of an image projected thereon, means for causing portions of the discharge to follow mean rectilinear paths and means for causing other portions of the discharge to follow mean curvilinear paths, an anode for collecting successive portions of the discharge following said mean rectilinear paths and a second anode for collecting those portions of the discharge following said mean curvilinear paths, and means disposed between the anodes for preventing the passage of secondary electronic emission from one of the anodes to the other thereof.

2,075,379
TIME DELAY OSCILLATOR
Russell H. Varian, San Francisco, Calif., assignor to Farnsworth Television Incorporated, a corporation of California
Application March 13, 1935, Serial No. 10,890
8 Claims. (Cl. 250—36)



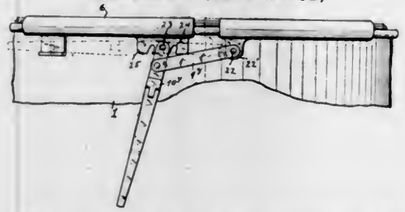
1. The method of producing sustained oscillations which comprises generating a beam of electrons, projecting said electrons into space, returning said electrons to a plane adjacent the source, collecting the electrons substantially in said plane, and applying the charge produced thereby in the same plane to said beam to produce deflections thereof.

2,075,380
MEANS FOR MODULATING HIGH FREQUENCY CURRENTS
Russell H. Varian, San Francisco, Calif., assignor to Farnsworth Television Incorporated, a corporation of California
Application March 13, 1935, Serial No. 10,891
9 Claims. (Cl. 179—171)



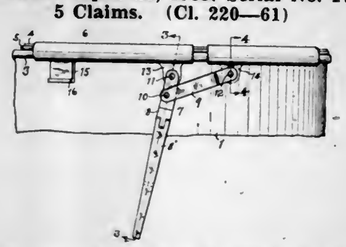
2. A skin effect modulator comprising a tuned circuit, a generator of alternating current feeding said circuit, a closed ferro-magnetic loop having a portion thereof included in said tuned circuit, a magnetizing coil on another portion of said loop, means for passing a modulating current through said coil, and a nonmagnetic highly conductive shunt around the coil portion of said loop.

2,075,381
CONTAINER
Harold Gar Vaughn, Warren, Ohio, assignor to The Ohio Corrugating Company, Warren, Ohio, a corporation of Ohio
Application April 20, 1935, Serial No. 17,495
7 Claims. (Cl. 220—61)



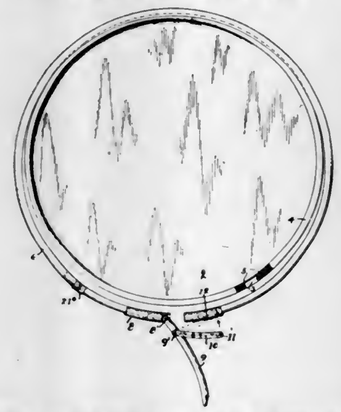
1. The combination with a container the side wall of which is provided at its upper end with a circumferential bead and a cover having a circumferential marginal edge arranged to engage said bead, of a resilient split ring substantially U-shape in cross section to provide upper and lower terminating walls arranged to be expanded over said bead and edge and contracted to effect engagement of said terminating walls therewith, whereby said cover is sealed against said bead, pivotally connected locking elements mounted on and below said lower wall adjacent one end of said ring to swing about a horizontal axis for contracting said ring, and a wall depending from the lower wall of said ring adjacent the other end thereof, and formed with a notch to provide a pivotal, detachable connection by one of said locking elements with said last mentioned wall.

2,075,382
CONTAINER
Harold Gar Vaughn, Warren, Ohio, assignor to The Ohio Corrugating Company, Warren, Ohio, a corporation of Ohio
Application April 20, 1935, Serial No. 17,496
5 Claims. (Cl. 220—61)



1. The combination with a container the side wall of which is provided at its upper end with a circumferential bead and a cover having a circumferential marginal edge arranged to engage said bead, of a resilient split ring substantially U-shape in cross section to provide upper and lower terminating walls arranged to be expanded over said bead and edge, walls depending vertically from said lower terminating wall adjacent the ends of said ring, a lever pivoted on a horizontal axis on one of said depending walls, and a link pivoted at its inner end to said lever on a horizontal axis and at its outer end to the other depending wall on a horizontal axis, said lever and link being operable to expand and contract said ring and said vertical walls being arranged to support said link and lever below said ring and within the circle defined by its side wall.

2,075,383
CONTAINER
Harold Gar Vaughn, Warren, Ohio, assignor to The Ohio Corrugating Company, Warren, Ohio, a corporation of Ohio
Application November 15, 1935, Serial No. 49,901
16 Claims. (Cl. 220—61)



1. In a container construction having a circumferential bead at its upper end, the combination with a gasket arranged to engage the

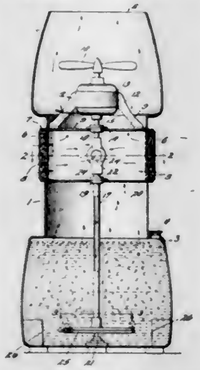
bead and a cover having a peripheral flange arranged to engage the gasket, of a split channel ring arranged to surround the bead and cover flange and pivotally connected locking elements one of which is pivotally connected to the lower wall of said ring adjacent one end thereof and adapted to be detachably connected to one portion of said lower wall adjacent the other ring end and operated to closed position to hold the container, gasket and cover in assembled relation and adapted to be detachably connected with a remote portion of said lower wall of the other ring end and operated to closed position to clamp the cover flange and bead together with the gasket compressed between them, said locking elements when in closed position being disposed entirely within the outer circumferential wall of said ring.

2,075,384

PORTABLE AIR CONDITIONER FOR ROOMS

Carl G. Vretman, Atlanta, Ga., assignor of one-tenth to Robert H. Fulton, Atlanta, Ga., and one-tenth to W. Kenneth Watkins, New York, N. Y.

Application June 4, 1936, Serial No. 83,580
7 Claims. (Cl. 183—17)



1. A portable air conditioner comprising a casing, the lower portion of said casing comprising a vessel for containing water, said casing having an opening for filling said vessel, a fan in the upper portion of the casing for producing an upward current of air, a filter in a wall of said casing between said water vessel and said fan, whereby said fan draws air into the casing through said filter, and forces said air outwardly from the upper portion of said casing, and rotating means for conducting part of the filtered air downwardly beneath the surface of the water and releasing it there in the form of small bodies to return to the water surface and mix with the current of air passing outwardly from the upper end of the casing.

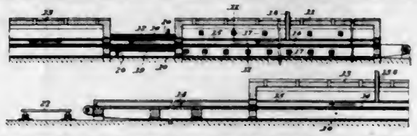
2,075,385

METHOD OF HEAT TREATING SHEETS

William C. Wallis and Ernest B. Plott, Youngstown, Ohio, assignors to The Youngstown Sheet & Tube Company, Youngstown, Ohio, a corporation of Ohio

Application February 1, 1934, Serial No. 709,323
6 Claims. (Cl. 148—21.5)

1. In a method of making sheets, the steps including passing the sheets continuously through a succession of chambers, heating the sheets to about 1700° F. in one chamber, quickly cooling the sheets to about 1300° F. in another chamber,



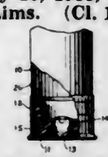
and slowly cooling the sheets to about 1150° F. in another chamber.

2,075,386

AMMUNITION

Watson H. Woodford, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware

Application May 10, 1933, Serial No. 670,385
12 Claims. (Cl. 102—16)



1. In the manufacture of articles comprising a plurality of superposed layers of sheet or strip material, the method which comprises forming on the sheet or strip a series of shallow indentations, superposing sections of the sheet or strip with the indentations of each section substantially registering with the indentations of adjacent sections, and applying deforming pressure to the surface formed by the edges of the superposed sections while the article is confined; whereby at the indentations there are formed a series of grooves separated by ridges, the grooves and ridges of adjacent layers interlocking to form a substantially coherent article.

2,075,387

BATHING SUIT

William Daniel, Brooklyn, N. Y., assignor to Greenhill & Daniel, Inc., Brooklyn, N. Y., a corporation of New York

Application December 11, 1934, Serial No. 756,937
1 Claim. (Cl. 2—67)



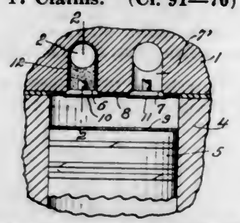
A bathing suit having a skirt member and also having a shirt member and also having trunks, the top portion of said shirt member having transverse hems, said hems having adjacent ends which are separated from each other, the outer ends of said hems terminating substantially at the side edges of the top of the shirt member, said bathing suit also having tabs which are located below the top of the bathing suit and above the waistline of the bathing suit, said tabs being inwardly bendable, said tabs having longitudinal loops at their inner ends, said longitudinal loops being located inwardly of the outer ends of said hems when the garment is worn, said skirt member having a transverse loop at the top of the rear portion thereof, and a flexible halter member which is located slidably in said hems, said halter member extending between the adjacent ends of said hems in the form of a loop which can be passed around the neck of the wearer, said flexible halter member having its free ends passing through said longitudinal loops from the adjacent respective outer ends of said hems, the ends of said halter member which are located below said longitudinal loops passing in opposite directions through the transverse loop, so that the free ends of the halter member can be connected to each other below the loop of the skirt member.

2,075,388

HEAT INSULATING METAL BODY

Joseph Poissant De Cloud, Kansas City, Mo.

Application January 25, 1934, Serial No. 708,335
17 Claims. (Cl. 91—70)



13. The method consisting in superficially fusing inner surface portions of metal parts of an internal combustion motor, which parts are to be subjected to contact with heated products of combustion, and impregnating said portions with comminuted mica.

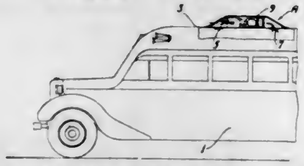
17. An inner surface portion of an internal combustion motor, which portion is to be subjected to contact with heated products of combustion, having fused therewith and embedded therein comminuted refractory material of low heat conductivity.

2,075,389

AIR CONDITIONING DEVICE

William S. Eubank, Philadelphia, Pa.

Application October 28, 1935, Serial No. 47,036
3 Claims. (Cl. 62—117)



3. In a motive vehicle, the combination of an enclosed body, a casing mounted on the roof of said body, said roof having a pair of openings therein, one adjacent the front of said casing and the other adjacent the rear of said casing, whereby to provide communication between said casing and said body, and means within said casing for producing a continuous exchange of air between said casing and said body and for cooling the air as it passes through said casing, said casing having a front wall inclined downwardly toward the front of the vehicle, and said wall having a plurality of louvers therein whereby, when said vehicle moves forward, air is forced into said casing in the direction of said cooling means.

2,075,390

BEE POISON PREPARATION

Karl August Forster, Illertissen, Germany

No Drawing. Application May 3, 1934, Serial No. 723,729. In Germany June 20, 1933
6 Claims. (Cl. 167—63)

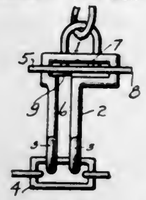
1. The process of converting bee poison into a percutaneously effective form, wherein an ointment containing bee poison in dispersion is mixed with a cutaneous abradant of a mechanical nature.

2,075,391

CHAIN SLIP LINK CONNECTION

Frank V. Galgano, Newark, N. J.

Application May 15, 1936, Serial No. 79,900
10 Claims. (Cl. 152—14)



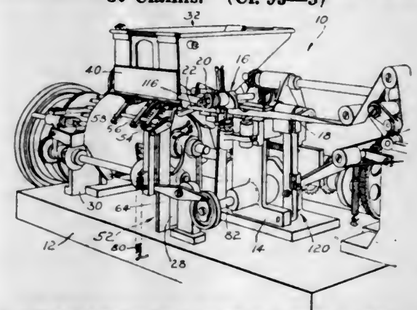
1. A slip link connection comprising a slip link having two arms projecting on opposite sides thereof substantially at right angles to its longitudinal axis and a link shaped to form a longitudinal slot opening connecting at one end with a transverse slot opening unsymmetrically disposed with respect to such longitudinal slot opening.

2,075,392

PROCESS OF PACKAGING STRAWS AND APPARATUS THEREFOR

Albert M. Goldstein, Far Rockaway, and Mayer Garfinkel, Brooklyn, N. Y., assignors to Sanita Wrapped Products Corporation, Brooklyn, N. Y.

Application October 7, 1933, Serial No. 692,640
50 Claims. (Cl. 93—5)



1. In apparatus for packaging straws, which includes: means for feeding a tubular container longitudinally of its axis, straw supplying means, means for separating a charge of straws from said supplying means and for thereafter moving the charge into the line of movement of the container, and means additional to said container feeding means and said straw supporting means for guiding the container into position so that it will, as it continues in its movement, completely envelop the straws.

2,075,393

HYDROXYPHENYLAMINOARYLES OF THE PYRENE AND CHRYSENE SERIES AND PROCESS OF PRODUCING SAME

Walter Hagge, Dessau in Anhalt, and Herbert Bach, Bitterfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application October 22, 1935, Serial No. 46,120. In Germany November 9, 1934
8 Claims. (Cl. 260—128)

7. The hydroxyphenylaminoaryl compounds which correspond to the general formula

$$A—NHC_6H_4OH$$

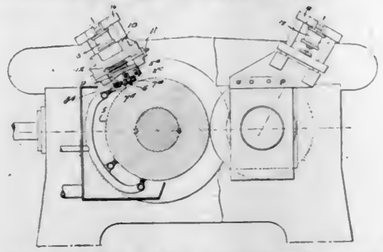
wherein A is a member of the group consisting of the pyrene and chrysene radicles.

2,075,394

METHOD OF SURFACING METALLIC ROLLS FOR ROLLING METALS AND APPARATUS THEREFOR

Clarence W. Hazelett, Greenwich, Conn.

Application December 21, 1934, Serial No. 758,542
17 Claims. (Cl. 22—200.1)



1. An apparatus for continuously surfacing rolls during the working operation thereof which comprises a set of working rolls and means coacting with said rolls and capable of exerting against the working surface thereof sufficient pressure to smooth out and close surface flaws substantially during every revolution of said rolls.

15. The method of surfacing relatively large metal work rolls of rolling mills for forming metal sheets which comprises rotating said relatively large work rolls, rolling against said work rolls a hardened metallic rod having an extremely small diameter with respect to the diameter of said work roll and extending across practically the entire surface of said work roll, and controlling the pressure applied to said hardened rod to substantially smooth out and close surface flaws of said work roll without removing substantially any metal therefrom.

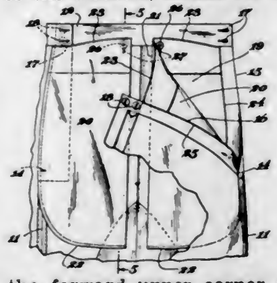
2,075,395

TROUSERS CONSTRUCTION

Rudolf Hirschfeld, New York, N. Y.

Application September 11, 1936, Serial No. 100,229
2 Claims. (Cl. 2—235)

1. In a trousers construction, a waistband portion having a hip section and a waistband of smaller size than the hip section, said waistband being continuous across the front of the trousers, thereby providing a flyless front therefor, said waistband portion having a V-shaped notch at each side thereof extending upwardly through the waistband to facilitate passage over the hips of a wearer, a pocket for each of said V-shaped notches, each pocket having front and rear walls closed at their inner and bottom edges and substantially disconnected from each other along their outer and upper edges, the pockets being secured to and extending forwardly from said V-shaped notches to points adjacent the middle of the front of the trousers, means for detachably



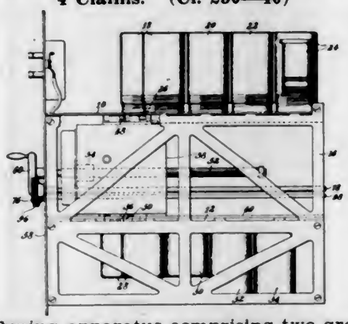
fastening the forward upper corner portion of each pocket to the waistband, and means for detachably fastening the edges of the waistband together at the V-shaped notches.

2,075,396

TUNING APPARATUS

Donald B. Keim, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 30, 1935, Serial No. 13,839
4 Claims. (Cl. 250—40)



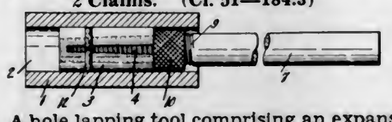
1. Tuning apparatus comprising two groups of tuning elements supported in spaced relation, a carriage supported for sliding movement between said groups, tuning elements common with respect to the elements of said groups and supported on said carriage for movement therewith, said elements being provided respectively with contacts disposed to connect the elements on said carriage in circuit alternately and selectively with the elements of said groups upon sliding movement of said carriage, and means for causing such movement of said carriage.

2,075,397

HOLE LAPPING TOOL

Orie C. Kommer, Muskegon Heights, Mich.

Application May 1, 1936, Serial No. 77,317
2 Claims. (Cl. 51—184.3)



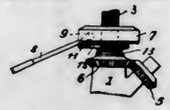
1. A hole lapping tool comprising an expansible and contractible lapping barrel having a taper screw thread extending axially therethrough and a plurality of slots extending axially from each of its ends, an expander for said barrel having a taper screw thread at one of its ends within the lapping barrel, a parallel screw threaded portion out of said lapping barrel and having an annular lock nut for locking the lapping barrel to the said expander and a contracting spring for said lapping barrel in an annular groove in the outer periphery of the said lapping barrel.

2,075,398

CAR JACK

Paul Kunath, Dresden, Germany

Application March 20, 1935, Serial No. 12,018
In Germany March 27, 1934
4 Claims. (Cl. 254—1)



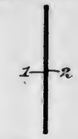
1. A car jack, comprising a standard, a movable ram in said standard, means for moving said ram, a rotatable ring at the top end of the standard, a plurality of supports for laterally supporting the jack to prevent toppling over and slipping, and means for articulating said supports to said ring to insure universal motion of said supports.

2,075,399

FLUORESCENT MATERIAL

Leonard Angelo Levy and Donald Willoughby West, London, England

Application January 3, 1935, Serial No. 248
In Great Britain May 18, 1934
3 Claims. (Cl. 250—34)



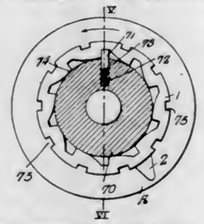
1. A material which fluoresces under the stimulation of X-rays but shows no appreciable after-phosphorescence comprising a mixture consisting of zinc sulphide and cadmium sulphide, both in a high state of purity, a small trace of silver together with a small proportion of manganese as phosphorogen, and a minute trace of nickel as the inhibitor of after-phosphorescence.

2,075,400

APPARATUS FOR THE LINEAR MEASUREMENT OF STRIP MATERIAL

Vittorio Mazzucchelli, Milan, Italy

Application February 11, 1933, Serial No. 656,296
In Italy February 19, 1932
2 Claims. (Cl. 33—132)



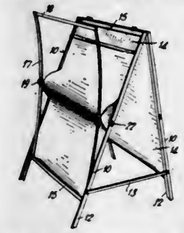
1. Linear measuring apparatus of the rotary type for strip material, comprising, in combination with a substantially conventional revolution counter adapted to be operated from a machine by which the strip material is handled, a counting drum, a ring coaxially mounted on the hub of said counting drum, there being signaling and stopping devices, a tooth projecting from the outer periphery of said ring and adapted to selectively operate said signaling and stopping devices, means adapted to yieldingly lock the said ring to the hub of the counting drum and allowing the ring to be rotated only in one direction with respect to the hub on which it is mounted and preventing rotation in a reverse direction, comprising a series of spaced saw-teeth cut in the inner periphery of said ring, a bolt slidable in a radial recess provided in the hub of the counting drum, a spring arranged in said recess and tending to urge the said bolt into engagement with one of the inner saw-teeth of said ring, and spaced notches cut in the outer periphery of the ring which may be engaged by a tool in order to rotate the ring with respect of the counting drum so as to vary the position of the tooth operating the signaling and stopping devices.

2,075,401

DISPLAY STAND

Alfred D. Mosby, Moline, Ill., assignor, by mesne assignments, to American Machine & Metals, Inc., New York, N. Y., a corporation of Delaware

Application June 15, 1935, Serial No. 26,762
5 Claims. (Cl. 40—125)



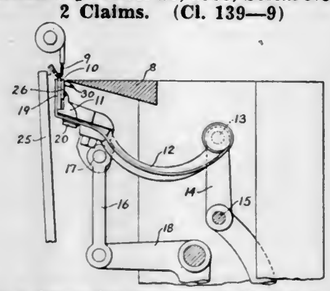
5. A display stand consisting of a pair of display racks hinged together at their tops, each comprising in combination a rectangular frame, a backing material upon said rectangular frame, longitudinal recesses at opposite sides of said backing material, and a frame work for holding display material within said recesses, comprising end bars of a thickness materially less than the width of said recesses, and side bars of resilient material, and centrally disposed latches in said side bars.

2,075,402

PILE FABRIC LOOM

Anthony M. Muldoon, Hightstown, N. J.

Application September 26, 1933, Serial No. 690,978
2 Claims. (Cl. 139—9)



1. In a loom for weaving tufted pile fabrics, a movable reed, a movable comb carrier, a comb

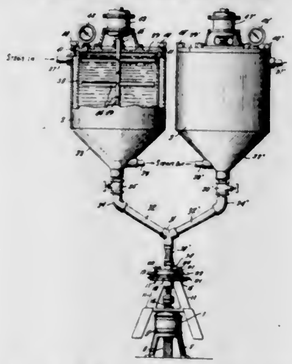
plate mounted thereon, mechanism for moving the carrier, a bar on the carrier for preventing the comb from pulling out the tuft bights and for beating up the tuft bights into the fabric and movable relative to the comb, a stationary breast plate for supporting the fabric, cam faced lugs on the bar adapted to engage the edge of the breast plate, said reed being adapted to engage the comb and move the lugs against the breast plate whereby the bar is moved to inoperative position below the breast plate, and spring means for moving the bar to operative position.

2,075,403

APPARATUS FOR DISPERSING MATERIALS

Samuel K. Nester, Geneva, N. Y., assignor to Geneva Processes, Inc., Geneva, N. Y., a corporation of New York

Application June 21, 1932, Serial No. 618,576
Renewed May 26, 1936
3 Claims. (Cl. 83—93)



1. In an apparatus for dispersing materials having a melting point higher than that at which a liquid in which the dispersion is to be effected boils, a jacketed kettle for heating a mix of the materials with the liquid under pressure, an agitator operating in the kettle, a colloid mill comprising rotor and stator elements having working surfaces between which the mix is adapted to be passed in a thin film, a pressure conduit between the kettle and the mill so that the mix is delivered to the input side of the working surfaces at the pressure in the kettle, jacketing means for the stator element, the rotor and stator surfaces being dimensioned and spaced to effect a dispersion of the materials in the liquid while maintaining the heated mix at a pressure that will retain the materials in liquid form, and a discharge chute into which the output from the working surfaces directly discharges, said chute being open to the atmosphere and permitting immediate release of the pressure on the mix after passing between the working surfaces of the colloid mill so that there shall be a quick solidification of the material when it leaves such surfaces.

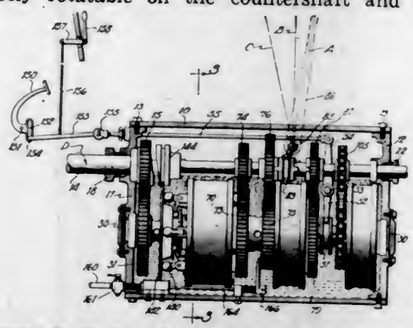
2,075,404

TRANSMISSION GEARING

Louis Nika, New York, N. Y.

Application March 16, 1934, Serial No. 715,818
7 Claims. (Cl. 74—336)

7. A transmission mechanism comprising a casing, a fluid carried in said casing, a driving shaft, a driven shaft, a countershaft, means for continuously driving the countershaft from the driving shaft, a plurality of driving gears freely rotatable on the countershaft, a plurality of gears carried by the driven shaft and meshing with the gears carried by the countershaft, means for establishing a fluid couple between the gears freely rotatable on the countershaft and the



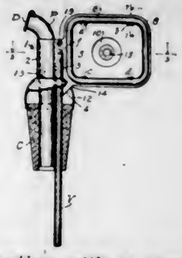
countershaft, thereby to drive the driven shaft from the countershaft and means for effecting a direct driving connection between the driving shaft and the driven shaft, said last mentioned means being automatic in its operation and controlled by the speed of the driven shaft.

2,075,405

POURING DISPLAY MEANS FOR CONTAINED LIQUIDS

Leon R. Paul, Brooklyn, N. Y.

Application April 30, 1935, Serial No. 19,053
7 Claims. (Cl. 215—79)



1. In combination with a pouring device for liquid containers comprising a stopper having extending therethrough a pouring tube and a vent tube, a one-piece sheet metal display frame having substantially flat end parts or panels, a relatively narrow medial part bent around said tubes in embracing relation therewith, said medial part having opposed perforated engaging portions between the tubes and the end parts, and means riveting said portions together, said end parts being engaged in face to face relation.

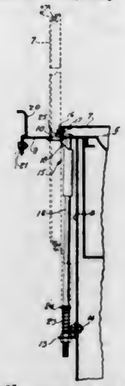
2,075,406

GAS RANGE

Clark B. Rollins, Nashville, Tenn., assignor to Phillips & Buttorff Mfg. Co., Nashville, Tenn.

Application April 27, 1936, Serial No. 76,679
3 Claims. (Cl. 126—37)

1. In a cooking range, a burner compartment, a top wall for said compartment having a rearward horizontally disposed extension, said extension having a transverse slot therein extending along the rear of said compartment and spaced inwardly from said rear edge, a horizontally disposed cover for said compartment having its rear edge adjacent said slot, spaced guide members connected to said extension and vertically supported at the rear of said compartment, sleeve members slidably mounted on said guide members and hinge members rigidly connected to said



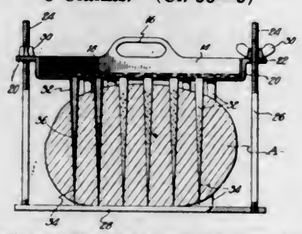
sleeves and pivotally connected to the rear edge of said cover for directing the rear edge of said cover downwardly through said slot upon movement of said closure from horizontal to vertical position.

2,075,407

COOKING DEVICE

Benjamin Schwartzman, New York, N. Y.

Application July 28, 1936, Serial No. 92,973
8 Claims. (Cl. 53—5)



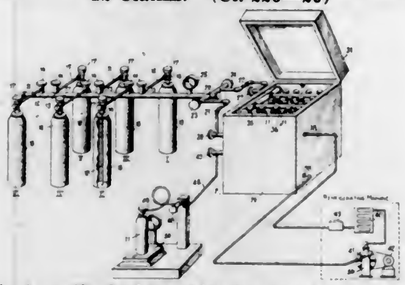
1. A device of the character described comprising a receptacle, means for supporting said receptacle in a cooking receptacle over an article to be cooked, and means extending from the receptacle and piercing the article to be cooked, for introducing into said article during the cooking process, a flavoring medium in the first mentioned receptacle.

2,075,408

TRANSFER OF LIQUEFIED GAS

Justin Grant Sholes, Cleveland, Ohio, assignor to The Ohio Chemical and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application September 17, 1935, Serial No. 40,887
12 Claims. (Cl. 226—20)



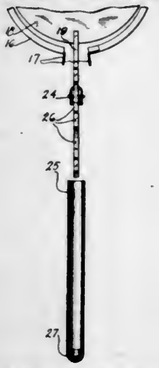
1. A method of transferring liquefied gas from one container to another, comprising partially filling the second container by causing liquefied gas to flow from the first container directly into said second container, cooling said second container during said flow of liquefied gas, and thereafter completing the desired filling of said second container without cooling the same, by passing additional gas into said second container and cooling said additional gas during its passage to maintain it in liquefied form.

2,075,409

FRAME ASSEMBLY

Max H. Storch, Bell Harbor, Long Island, N. Y.

Application December 7, 1936, Serial No. 114,548
6 Claims. (Cl. 88—102)



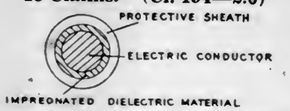
1. A device including a resilient frame adapted to extend around an article, said frame being split and having outward extending end portions, a plate in the frame having a rod element extending outward between said end portions, said frame being resiliently deformable against an edge of the plate, a handle element sleeved on the rod element and said end portions, said handle and rod elements having means axially directly interconnecting the elements, said means comprising a slightly resilient metallic portion to permit a direct frictional connection between said elements irrespective of variations in thickness of the rod element and the internal diameter of the handle element to thus maintain the elements permanently interengaged in normal use thereof, said means being responsive to the forcible sleeving of the handle over the rod, one end of the handle element bearing against the frame, and the frame being resiliently deformed between said edge of the plate and the handle element upon sleeving the latter on the rod so as to constantly oppose the resilient means to maintain a snug contact with the handle element as against any yielding of the resilient means.

2,075,410

IMPREGNATED DIELECTRIC MATERIALS AND IMPREGNATING COMPOSITIONS

Archibald Walter Thompson, Bromley, England

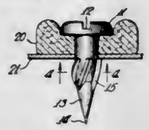
Application December 4, 1935, Serial No. 52,885
In Great Britain December 13, 1934
13 Claims. (Cl. 154—2.6)



1. An impregnated dielectric material comprising an absorbent fibrous material impregnated

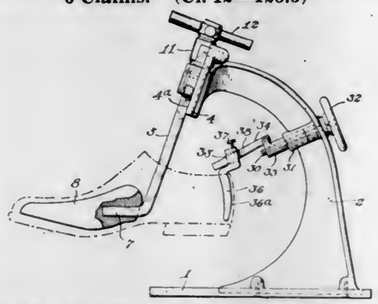
with a mixture of a highly viscous hydrocarbon, having a viscosity value between 2500 and 3000 seconds Redwood at 200° F., with a less viscous mineral oil having a viscosity value of less than 200° seconds Redwood at 200° F.

2,075,411
FASTENER STUD
Ernest K. von Mertens, New York, N. Y., assignor to Groov-Pin Corporation, Long Island City, N. Y., a corporation of New York
Application July 21, 1934, Serial No. 736,326
6 Claims. (Cl. 85—44)



3. A fastener stud having a shank, a head with a fillister slot and a plurality of threads integral with said shank, with their upper ends terminating sharply in a plane parallel to and at a substantial distance from said head, said threads having uniform pitch but spaced from each other at non-uniform intervals.

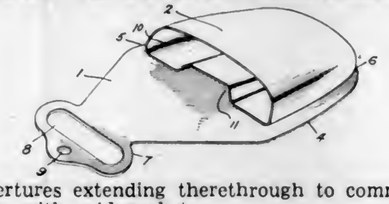
2,075,412
SHOE STRETCHER
Paul Ward, Nashville, Tenn.
Application September 28, 1936, Serial No. 103,002
6 Claims. (Cl. 12—128.3)



1. A shoe stretcher comprising a vertical frame, a suspension plate rigidly supported on said frame, a pair of spreader arms pivotally mounted adjacent their upper ends upon the suspension plate and overlying and projecting downwardly below the suspension plate, said spreader arms terminating in forwardly directed fingers, last blocks detachably mounted upon the fingers and adapted to engage the interior of a shoe, a threaded shaft rotatably mounted upon the suspension plate intermediate the spreader arms, a nut overlying and bearing upon the suspension plate, said nut adapted to travel along the threaded shaft upon rotation of the latter, and means upon the nut adapted to engage and expand the spreader arms upon rotation of the threaded shaft.

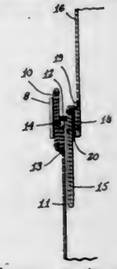
2,075,413
BODY BRUSH
Harry Logue Welker, Williamsport, Pa.
Application May 4, 1936, Serial No. 77,867
2 Claims. (Cl. 15—188)

1. A rubber body brush comprising a sheet of rubber shaped to conform to the outline of the human hand, and having bristles extending from one face thereof, and a hand stall secured to the other face of said sheet and comprising a sheet of rubber provided with a recess forming a pocket with said rear face, the first named sheet having



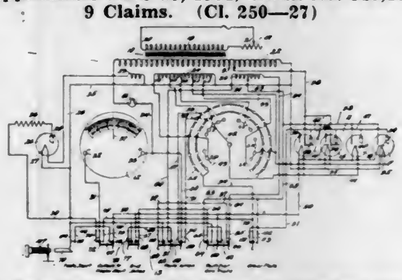
apertures extending therethrough to communicate with said pocket.

2,075,414
GARMENT
Ruth Stuart Wheeler, Boston, Mass.
Application July 18, 1936, Serial No. 91,396
2 Claims. (Cl. 2—70)



1. In combination, a pair of pants embodying a crotch and a waist, said pants embodying a waist-line portion at the top thereof, a pleat formed from the material in said pants below said waist-line portion and extending upwardly and being opposite to and covered by said waist-line portion, removable stitches to maintain said pleat extending into the lower portion of said waist-line portion, said waist embodying a waist-line portion at the bottom thereof, a pleat formed from the material of said waist above said waist-line portion and extending downwardly and being directly in back of and covered by said waist-line portion of said waist, removable stitches to maintain said pleat extending into the upper portion of said waist-line portion of said waist, said waist-line portions embodying cooperative instrumentalities to hold said pants and waist together with said waist-line portions opposite each other.

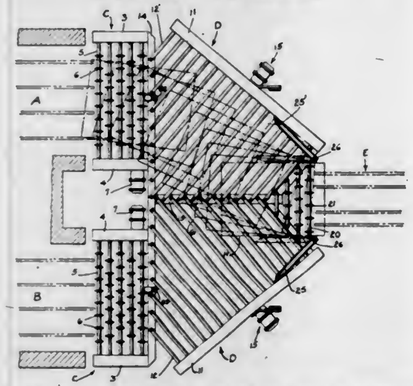
2,075,415
TUBE TESTER
Jewell R. Williams, Little Rock, Ark., assignor, by mesne assignments, to Jerry H. Glenn, Little Rock, Ark.
Application June 10, 1931, Serial No. 543,467
9 Claims. (Cl. 250—27)



1. In a vacuum tube tester in combination, a transformer having filament lighting means

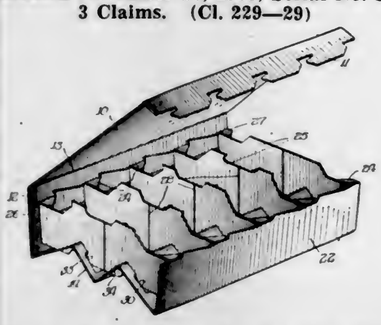
tapped for various tube filaments, and a plate exciting means, grid biasing means, a tube socket, circuits associating said means and socket, a milliammeter in the plate circuit, a plurality of shunts for said meter, means to concurrently adjust the filament voltage for the type tube being tested and connect a shunt to the meter such that the meter gives the same indication for similar conditions of all types of tubes.

2,075,416
CONVEYING MECHANISM
Charles A. Adams, Ellwood City, Pa., assignor to Mathews Conveyer Company, Ellwood City, Pa., a corporation of Pennsylvania
Application January 22, 1934, Serial No. 707,777
11 Claims. (Cl. 198—32)



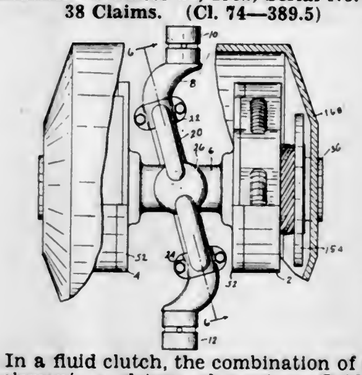
11. In a conveying apparatus, guide elements, operating means for simultaneously moving said guide elements inwardly to center the articles on the apparatus, and a plurality of electric switches responsive to traveling movement of articles over the apparatus thereby to automatically control the operation of said guide elements.

2,075,417
CARTON
John Allan, Morris, Ill., assignor to Self-Locking Carton Co., Chicago, Ill., a corporation of Illinois
Application November 27, 1935, Serial No. 51,876
3 Claims. (Cl. 229—29)



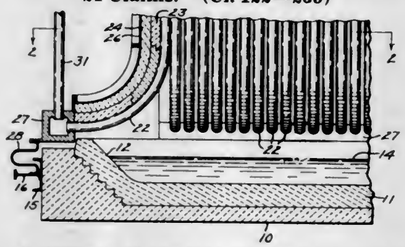
1. In a cellular carton of the type described, front and rear walls, cross partitions extending between said walls, and a cushion bottom section having front walls provided with openings for receiving projections on said cross partitions, said cross partitions having hook members arranged in staggered relation and engaging said bottom member in cushion-forming position through the openings therein.

2,075,418
POWER TRANSMISSION
Charles J. Anderson, Jr., Jamestown, N. Y.
Application November 11, 1932, Serial No. 642,320
38 Claims. (Cl. 74—389.5)



1. In a fluid clutch, the combination of a driving element, a driven element, a fluid pump operable by a relative rotation of said elements, a shaft at right angles to the axis of the driving element, a Z-shaped crank on said shaft passing through an elongated opening in the driving element, transverse journal members on opposite sides of said driving element and in the plane of said shaft, and a split yoke member surrounding said crank and driving element and having bearings at opposite ends of said crank and at said journal members.

2,075,419
FURNACE
L. V. Andrews and Gustav A. Rehm, Worcester, Mass., assignors to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application April 2, 1935, Serial No. 14,318
21 Claims. (Cl. 122—235)

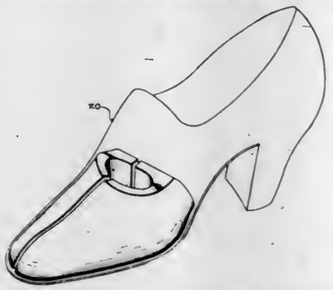


1. A furnace of the slag tap type comprising a bottom shaped to retain a pool of molten slag, upright side walls, one of said side walls having a lower portion located outside of the plane of the inner surface of the wall and overlying the adjacent marginal portion of the furnace bottom to shield the same from the heat of the furnace, said lower portion being free from fuel admission openings and extending inwardly beyond the outer edge of the slag pool, and means for withdrawing slag from said bottom in liquid form.

2,075,420
SHOETREE
Edmund J. Baas, Rochester, N. Y.
Application March 11, 1935, Serial No. 10,577
3 Claims. (Cl. 12—128.4)

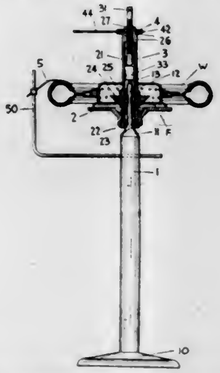
1. A shoe-tree adapted in its effective position to be seated solely in the toe portion of a shoe,

and consisting of a laterally expansible member in two side sections, guide pins extending between said sections and securely anchored at one end in one of the sections, the other section having bores to movably receive the shanks of the guide pins and counterbores within which the guide pins are headed to limit movement of the sections away from one another, said sections having bores between the guide pins, a spring for



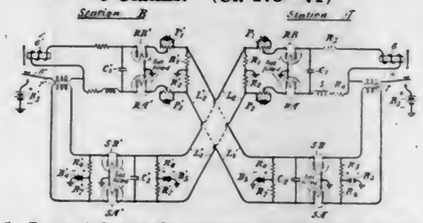
expanding the member extending between said sections and having their ends projecting into the latter bores, each of said sections having a recess in its inner side adjacent to and spaced from, its rear end, the said recesses opposing one another rearwardly of the rearmost guide pin and forming a vertically disposed finger receiving aperture facilitating disposition of the shoe-tree within, and its removal from, a shoe.

2,075,421
WHEEL-BALANCER—STATIC TYPE
Claude C. Bennett, South Bend, Ind., assignor to A. E. Feragen, Inc., Seattle, Wash., a corporation of Washington
Application January 14, 1935, Serial No. 1,688
5 Claims. (Cl. 73—51)



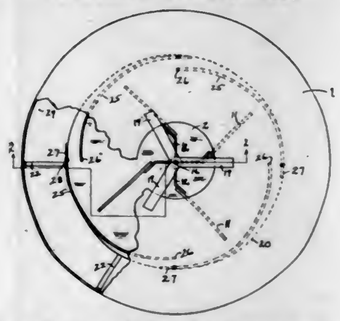
1. A wheel balancing stand comprising a wheel support, a stand whereon the support may rest, terminating at its upper end in a universal fulcrum, a sleeve adapted to pass through the axial openings of a wheel to be balanced, axially disposed and projecting upwardly from the wheel support, a bearing member carried by said sleeve and adapted to support the sleeve and a wheel thereon from said fulcrum, whereby tilting of the support will disclose unbalance of such a wheel, a cylindrical post axially disposed at the upper end of said sleeve, a block having a hole coaxial with its center of balance, and fitting said post, a pointer projecting laterally from said block, and two bubble tubes carried by said block, and disposed substantially at right angles to each other in a normally horizontal plane.

2,075,422
TELEGRAPH SYSTEM
David Ernest Branson, River Edge, N. J., William Henry Towne Holden, New York, N. Y., and James Alison Eyster, Ridgewood, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application April 4, 1935, Serial No. 14,714
5 Claims. (Cl. 178—71)



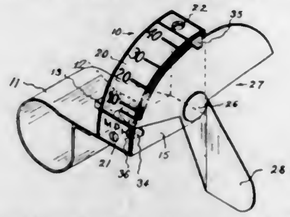
1. In a telegraph system interconnecting two stations, a receiving circuit and a transmitting circuit at one of said stations, two gas filled discharge tubes each connected in different sides of said receiving circuit, means for operating one of said tubes when a marking signal is applied to said circuit at a distant station and the other of said tubes when a spacing signal is applied to said circuit at the distant station, means controlled by the operation of either tube for causing the release of the other tube, plate circuits of equal impedance for each of said tubes, a transformer, means for completing the plate circuits of said tubes through the primary winding of said transformer whereby the alternate operation of said tubes will not change the current flow through said primary winding, and means for connecting said sending circuit to the secondary winding of said transformer.

2,075,423
AIR TURBINE
Amiel Bratschie, East Palestine, Ohio
Application August 13, 1936, Serial No. 95,814
6 Claims. (Cl. 170—159)



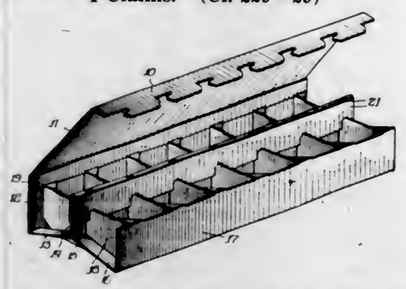
1. In a device of the class described, a dome shaped member, a central opening in top of said dome shaped member, a plurality of vanes rotating centrally underneath said dome-shaped member, a plurality of curved plates surrounding said vanes, the inner ends of said plates spaced apart from the companion plates in order to leave a passageway for outlet of air, together with means for propelling said vanes.

2,075,424
SPEEDOMETER FOR BICYCLES
Harry W. Bull, Syracuse, N. Y.
Application April 18, 1935, Serial No. 17,079
2 Claims. (Cl. 265—23)



1. A speedometer for vehicles such as bicycles which comprises an arcuate scale, means for mounting the scale on a bicycle with the axis of the scale transverse to the direction of movement of the bicycle, a movable member pivoted coaxially with the scale, said movable member being provided with a segmental portion having a pointer portion movable over the scale as the movable member turns on its pivot, and with a vane portion bent at right angles to the segmental portion and adapted to receive the pressure of the air as the bicycle moves, and a spring mounted to resist the turning of the movable member.

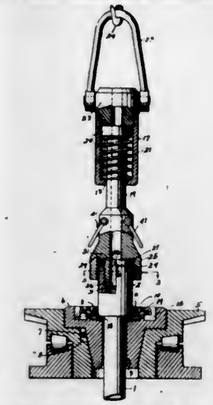
2,075,425
CARTON
Martin Burger, Morris, Ill., assignor to Self-Locking Carton Co., Chicago, Ill., a corporation of Illinois
Application November 29, 1935, Serial No. 52,175
4 Claims. (Cl. 229—29)



1. A cellular carton for packaging fragile articles such as eggs, comprising front and rear walls, cross partitions extending between said walls, front and rear bottom sections, a longitudinal partition section, said longitudinal partition section being slotted from its upper edge adjacent said cross partitions and said cross partitions extending through said slots, and an assembly strip attached to said longitudinal partition section above said cross partitions and extending across the slots in said longitudinal partition section.

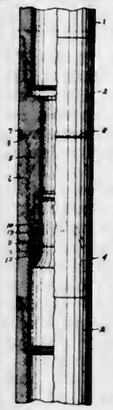
2,075,426
PIPE HOLDING APPARATUS
Walter L. Church, Houston, Tex., assignor of one-half to W. L. Pearce, Harris County, Tex.
Application March 1, 1934, Serial No. 713,487
6 Claims. (Cl. 285—146)

1. In combination, two adjacent tubular parts, one having an internally threaded box and the other having an externally threaded pin to be screwed into said box, an annular face on one of said parts and projecting teeth on the other part directed to bite into said face to limit the move-



ment of the pin toward home position in the box.

2,075,427
PIPE JOINT
Walter L. Church, Houston, Tex., assignor of one-half to W. L. Pearce, Harris County, Tex.
Application December 28, 1936, Serial No. 117,745
5 Claims. (Cl. 285—146)

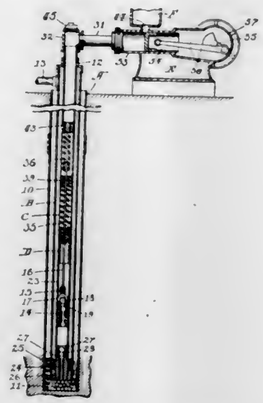


1. A pipe joint composed of two sections connected by threads, one of said sections having a projection formed of hard material and the abutting part of the other section being formed of relatively soft material into which said projection bites when the sections are screwed fully together.

2,075,428
PUMP
James T. Dickson, Los Angeles, Calif.
Application April 15, 1936, Serial No. 74,538
5 Claims. (Cl. 103—44)

1. Pump apparatus, comprising, in combination with a well, a pump near the bottom of the well having an inlet adapted to be connected with liquid to be pumped from the well and a reciprocable pumping element, a duct for transmitting liquid from the pump upwardly through the well, an actuating piston connected with said reciprocable pumping element, a cylinder in which said piston is reciprocable having a duct extending to the surface above the well by which

a column of piston actuating liquid is held, means near the surface above the well for reciprocating said liquid to assist in causing the reciprocation of said piston, and a retractile spring con-



nected with said actuating piston to be energized thereby during its downward stroke and adapted by its retractile energy to assist in raising said reciprocable pumping element and lift the column of actuating liquid.

2,075,429

PROCESS FOR PRODUCING VINYL RESINS

Stuart D. Douglas, Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application June 15, 1934, Serial No. 730,726

7 Claims. (Cl. 260—2)

3. Process for producing vinyl resins of high average molecular weight which comprises conjointly polymerizing a vinyl halide with a vinyl ester of an aliphatic acid in the ratio of about 4 to 1 by the aid of heat and a catalyst in the presence of a liquid which is a solvent for the monomeric vinyl compounds, but which is a non-solvent for the polymers produced while maintaining the concentration of monomeric vinyl compounds substantially constant throughout the polymerization reaction by separating the thus precipitated polymers from said medium substantially as they are formed, and removing them from the reaction.

2,075,430

MANUFACTURE OR TREATMENT OF ARTIFICIAL MATERIALS

Henry Dreyfus, London, England

No Drawing. Application February 4, 1936, Serial No. 62,330. In Great Britain March 7, 1935

13 Claims. (Cl. 18—54)

1. In processes wherein artificial filaments, threads, yarns, ribbons, foils and similar materials having a basis of an organic derivative of cellulose are treated with a mixture of a swelling agent and a non-solvent for the cellulose derivative, the step of subjecting the materials in the presence of said mixture to treatment with a polybasic acid salt which contains replaceable hydrogen, which has an acid reaction in solution and which is adapted to decrease the solubility of the said swelling agent in the said non-solvent.

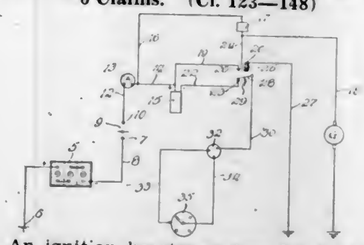
2,075,431

IGNITION BOOSTER SYSTEM

Floyd M. Du Laney, Chicago, Ill.

Application February 7, 1935, Serial No. 5,395

6 Claims. (Cl. 123—148)



1. An ignition booster system for an internal combustion engine comprising an induction coil, a battery, an ignition switch between said battery and said coil, an auxiliary battery between said switch and said coil and normally connected in series with said first battery upon closing of said switch, a generator, a relay energized by said generator upon self-operation of said engine, and means responsive to said relay for disconnecting said auxiliary battery from said coil.

2,075,432

SHOE

Ernest W. Dunbar, Hudson, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts

Application July 18, 1934, Serial No. 735,759

3 Claims. (Cl. 36—30)



1. A shoe having a rubber outsole and an insole including a highly porous body layer of sisal fibers loosely matted together but secured to each other at their intersections by a rubber binder, said outsole being cemented to said insole.

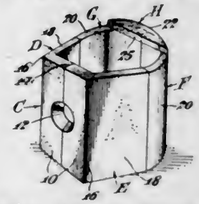
2,075,433

FIRE BOX

Russell C. Eisentrager, Philadelphia, Pa., assignor, by mesne assignments, of one-half to The Lite-Cast Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application March 23, 1935, Serial No. 12,643

2 Claims. (Cl. 158—1)



1. A combustion chamber comprising a pair of vertically extending insulating refractory sections; each section comprising a flat wall and a

wall angularly disposed thereto, and a pair of vertically extending insulating refractory segments of arcuate formation, the pair of sections being placed adjacent the pair of segments to form a continuous wall defining the combustion chamber.

2,075,434

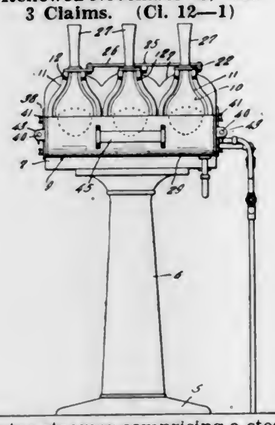
COMBINATION BOX TOE AND HEEL SEAT STEAMER

Joseph Smith Franklin and Leslie R. Gilmore, Huntington, W. Va.

Application August 6, 1934, Serial No. 738,746

Renewed November 18, 1936

3 Claims. (Cl. 12—1)



1. A box toe steamer comprising a steam chamber, an open front shell extending into the chamber including a bottom and side walls, an air pocket in the bottom of the shell, and steam-emitting openings in the side walls of the shell immediately above the said bottom, said shell being open at the top thereof and provided with a closure which can be gradually moved over the top of the shell to cause the steam to travel toward the front of the shell in escaping.

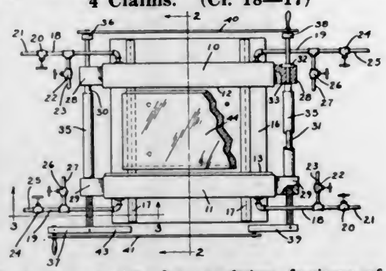
2,075,435

APPARATUS FOR MAKING GLASS BUILDING BLOCKS

David E. Gray, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application May 21, 1934, Serial No. 726,833

4 Claims. (Cl. 18—17)



3. An apparatus for applying facings of synthetic resin to opposite edges of glass building units, which includes a pair of opposed movable hollow platens, a vent in each platen for introducing heating and cooling fluid into the hollow interior thereof, a vent in each platen for discharging said fluid, shafts connecting the ends of the platens, one end of each shaft being rotatably connected to one of the platens, the other end of each shaft being threaded in the other platen, means to rotate the shafts in unison at the same speed, and sleeves carried by the shafts and adapted to arrest the advance of the platens a definite distance from each other.

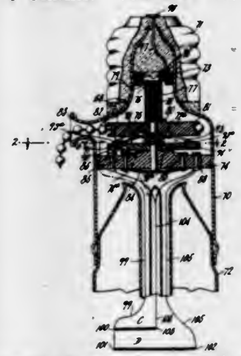
2,075,436

INCANDESCENT LAMP

Leonard Grossman, Irvington, and Gustav Herzberg, Newark, N. J.

Application February 23, 1934, Serial No. 712,474

6 Claims. (Cl. 176—27)



2. In an incandescent electric lamp, in combination, an envelope, a base, having a base contact, a plurality of filaments mounted within the envelope and having one end of each connected to the shell of the base and having the other end of each separately connected to independent contacts and together connected to another contact, all of which filament contacts are within the base of the lamp, a switch disposed within the said base but operable from without said base, said switch having one pole connected with the base contact of the lamp and having its other pole movable over the said other contacts.

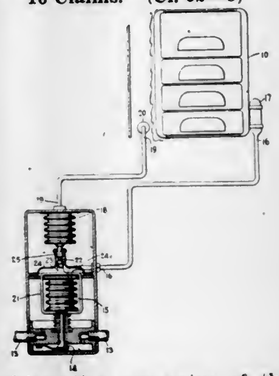
2,075,437

DEFROSTING CONTROL FOR AUTOMATIC REFRIGERATORS

William R. Hainsworth, Larchmont, N. Y., assignor, by mesne assignments, to Servel, Inc., a corporation of Delaware

Application September 5, 1931, Serial No. 561,355

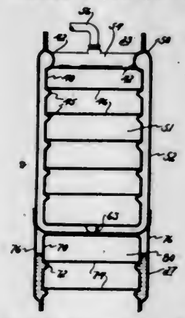
16 Claims. (Cl. 62—5)



1. In refrigerating apparatus of the absorption type heated by a gas burner, a cooling ele-

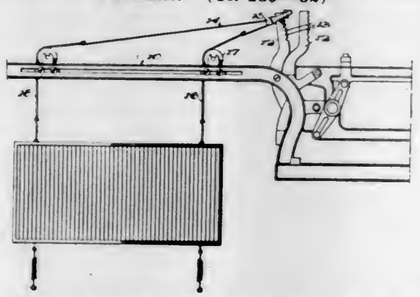
ment, a throttle valve in the burner supply line, an expansible fluid thermostat for controlling said valve responsive to the temperature of said cooling element, a second expansible fluid thermostat including a sensitive bulb slightly spaced from said cooling element, and a snap acting linkage connected between said second thermostat and said valve in such manner that the latter will be snapped closed upon operation of said second thermostat independently of the control of first said thermostat.

2,075,438
REFRIGERATING APPARATUS
Edward Heitman, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application October 10, 1932, Serial No. 636,993
2 Claims. (Cl. 62—126)



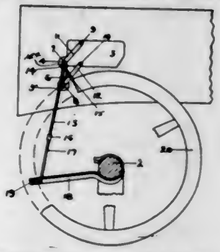
1. A sheet metal evaporator for refrigerating apparatus comprising an inner sheet metal member, an outer sheet metal member cooperating with said inner member for providing at least three sides of a freezing compartment, said members being spaced apart for the circulation of refrigerant therebetween, a sheet metal member providing inner walls for a refrigerating compartment and being arranged so that the top wall thereof abuts the bottom wall of said freezing compartment and sheet metal material cooperating with the last named sheet metal member for providing a space for refrigerant on the sides of said refrigerating compartment.

2,075,439
CONNECTING DEVICE FOR HARNESS OR JACK LEVERS
Bon Huggins, Greenville, S. C.
Application June 25, 1936, Serial No. 87,280
7 Claims. (Cl. 139—82)



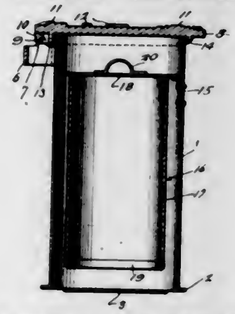
1. A connecting device for a harness or jack lever, comprising a loop provided at one end with a curved face, a wear plate for insertion within the loop and having a curved notch to receive the curved face and a lug to engage within the notch of the lever, said loop and wear blade being adapted to be applied to the lever, and means connecting the loop with the harness frame so that the harness frame may be shifted by the lever.

2,075,440
ANTIGLARE DEVICE
Maunsell B. Jackson, Toronto, Ontario, Canada
Application September 17, 1934, Serial No. 744,359
In Canada September 19, 1933
4 Claims. (Cl. 296—97)



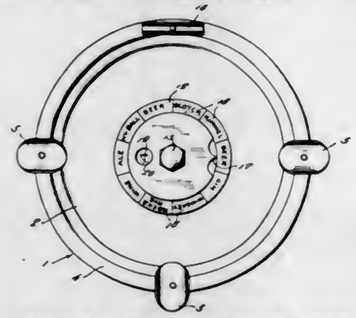
1. For use with a motor vehicle having a steering column, an anti-glare device comprising a support; an eyeshield; a pair of parallel arms pivotally connected at one end with the support and at the other end with the eyeshield; and means for rocking said arms and shield to move the latter into and out of its operative position, said means including a flexible member and an operating lever to which the flexible member is connected, means at one end of said operating lever adapted to frictionally and resiliently engage the steering column, said flexible member being elastic for at least a portion of its length to permit the lever to move a greater distance than necessary to move the eyeshield to its operative position.

2,075,441
CEMETERY URN
Raphael Joseph, Niagara Falls, N. Y., assignor to Joseph Memorial Urns, Inc.
Application August 28, 1936, Serial No. 98,393
5 Claims. (Cl. 47—41)



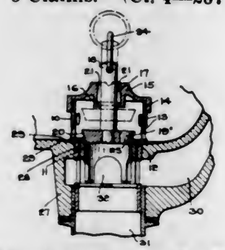
1. A cemetery urn of the class described comprising a substantially cylindrical casing open at its top, a cover hingedly mounted on said casing, circumferentially spaced brackets mounted in the casing adjacent the top thereof, and a vase adapted to be mounted in the casing, said vase including a substantially cylindrical body of less diameter and length than the casing, and a substantially circular bottom mounted on said body and projecting beyond the periphery thereof, the projecting peripheral portion of the bottom being engageable on the brackets for supporting the vase in an upright or inverted position in the casing.

2,075,442
EDUCATIONAL GAME
Albert A. Kickhofel, Detroit, Mich.
Application February 26, 1936, Serial No. 65,902
2 Claims. (Cl. 273—142)



1. A device of the class described comprising a base, a post rising centrally from said base, a stationary disk mounted on the post, said stationary disk having advertising indicia on its marginal portion and further having numerals thereon arranged concentrically of said post and inwardly of the advertising indicia, a rotary disk of comparatively small diameter mounted on said post above the stationary disk, said rotary disk having an opening therein for exposing to consecutive ones of said numerals in sequence as the disk rotates, and an indicator on said rotary disk for pointing to the advertising indicia on the stationary disk.

2,075,443
COMBINED STRAINER AND VALVE
Louis Kirschner and Louis Davidson, Philadelphia, Pa.
Application January 20, 1934, Serial No. 707,448
3 Claims. (Cl. 4—287)



1. A combined strainer and valve unit comprising, in combination, a main hollow body adapted to be snugly fitted within a sink fitting or the like and having an integral section extending upwardly above the bottom surface of the sink, said upwardly extending section being provided with circumferentially spaced apertures to constitute the latter a strainer body, a cap member quick-detachably secured to the upper end of said strainer body, said cap member being provided with a centrally disposed axially extending bore of substantial depth, a valve seat provided in said body below the said apertures, a valve housed within the strainer body and adapted for seating engagement with said seat to prevent the escape of water from the sink, and a stem secured to the valve and projected through said axially extending bore in the cap member, and coacting means in said bore and stem for guiding the latter during its movement axially of the bore.

2,075,444
METHOD OF MAKING A BEARING MATERIAL
Roland P. Koehring, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 7, 1935, Serial No. 683
8 Claims. (Cl. 75—22)



6. The steps in the process of making a porous bronze matrix having a large percentage of lead evenly distributed thru said matrix, comprising: compressing a mixture of finely divided powder of bronze-forming metals and from 20% to 50% of finely divided lead powder at a pressure less than 40,000 lbs. per square inch to such relatively low briquette density as to leave sufficient porosity in the compacted material for reducing gases to readily enter the pores even after said lead content is fully melted during sintering of said compacted material, sintering said compacted material at a temperature above the melting point of lead in a substantially dry reducing atmosphere containing not more than half a pound of water vapor per 1000 cu. ft. and thereby causing the bronze-forming powders to alloy and form a porous bronze matrix and the lead powder to melt but remain within the pores of said matrix by a wetting adherence of the molten lead to the matrix, then cooling the sintered compacted material in a reducing atmosphere until the lead solidifies in place therein without sweating out, then sealing the pores of the material.

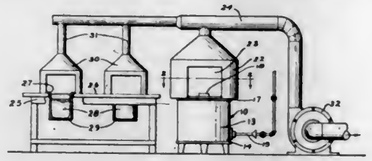
2,075,445
METHOD OF FORMING CERAMIC BODIES
Hobart M. Kraner, Louisville, Ky., assignor to Feldspathic Research Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 27, 1932, Serial No. 630,703
9 Claims. (Cl. 25—156)

8. The method of forming ceramic bodies, which comprises mixing a batch of material having substantially the soft non-abrasive and long firing range character of pyrophyllite which will form the bodies to have in the dry-press form an average hardness less than the hardness of like bodies made from an ordinary dry-press batch, in providing a die harder than any constituent of substantial proportion in the batch, in successively pressing portions of the batch in said die to form the bodies, and in firing the bodies at a given temperature for a given length of time to render them at least partially vitrified.

2,075,446
COLORED GLASS ARTICLE AND METHOD AND MEANS FOR MAKING IT
Edward C. Leibig, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application October 13, 1934, Serial No. 748,267
20 Claims. (Cl. 49—88)

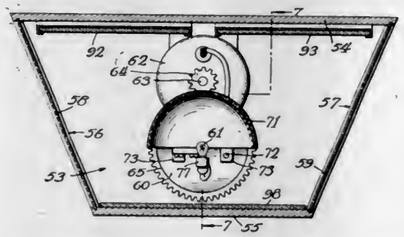
17. The method of coloring glass red, which includes heating an alkali containing borosilicate

glass in contact with a copper staining salt until a yellow coloration is produced in the surface of the glass, removing the residual staining salt from



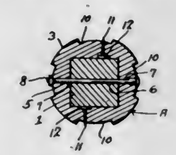
the glass and reheating the glass under reducing conditions until the yellow coloration is changed to red.

2,075,447
TRAFFIC SIGNAL DEVICE
Frank J. Loss, Detroit, Mich., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application May 24, 1930, Serial No. 455,256
5 Claims. (Cl. 177—329)



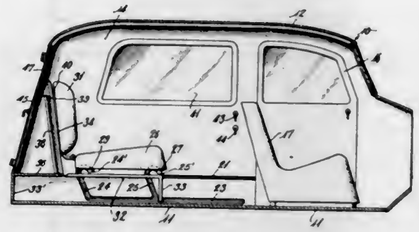
1. A traffic signal light comprising an opaque housing having a transparency in one side thereof, a mirror within said housing for reflecting light from said source through said transparency, a source of light opposite said transparency, a shield on one side only of said source of light, means for rotating said shield for alternately moving the same between said source of light and said transparency and between said light and said mirror.

2,075,448
HUSKING ROLLER
Willard O. Lundquist and Robert W. Ma Comb, Cherokee, Iowa
Application November 17, 1934, Serial No. 753,523
Renewed September 2, 1936
2 Claims. (Cl. 130—5)



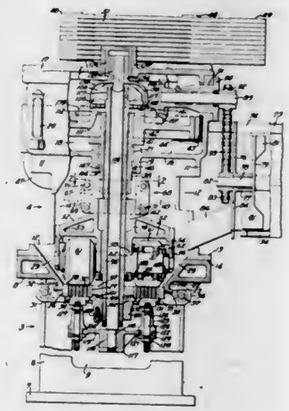
1. A husking roll comprising a shaft of non-circular shape in cross section and a rubber covering for the shaft having a bore of non-circular shape to receive the shaft, said rubber part having longitudinally extending grooves therein and husking pins embedded in the rubber and having their points projecting into the grooves and the heads thereof disposed between the inner side of the rubber covering and the shaft.

2,075,449
VEHICLE BODY
Cecil E. McMahon, Kansas City, Kans.
Application June 27, 1935, Serial No. 28,736
8 Claims. (Cl. 296—24)



1. In a vehicle body, a floor portion shiftable longitudinally of the vehicle, and a seat shiftable longitudinally of the vehicle between relatively elevated and depressed positions, the seat being beneath said floor portion when in its depressed position, said floor portion being movable under said seat when the latter is in its elevated position, a back pivoted to said seat and adapted to assume a depressed position with said seat, and a further floor portion overlying said back when the latter is in depressed position.

2,075,450
EXTRUDING MACHINE
Edgar N. Meakin, San Francisco, Calif.
Application May 27, 1935, Serial No. 23,574
20 Claims. (Cl. 107—8)



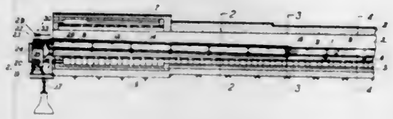
1. In apparatus of the class described, a perforated die plate, a column associated with said die plate, a rotatable sleeve disposed adjacent said column and having an upper and a lower portion, said lower portion being movable into overlapping relationship with respect to said upper portion, a roller depending from the lower portion of said sleeve and adjacent one face of the die plate for compressing and forcing material through said perforations, and means for rotating said sleeve and roller about the column axis.

2,075,451
WRIST WATCH ADAPTER
Edwin S. Mix, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application May 11, 1935, Serial No. 21,055
1 Claim. (Cl. 224—4)



In combination with a wrist watch of the type having pintle bars at the ends thereof, an adapter consisting of a strap extending between the said bars and the watch at each end thereof and along the watch between the bars and reversely along the watch from one of the end bars to and extended beyond the other end bar and forming inner and outer plies, a buckle attached to the end of the inner ply of the adapter strap and located adjacent the watch, the extended end of the outer ply of the adapter strap being reversed to form a loop and adjustably held by the buckle, and a strap loop embracing both the inner and outer plies of the adapter strap for holding the same contiguous to the watch and also receiving the free end of the adapter strap after the same has been passed through the buckle.

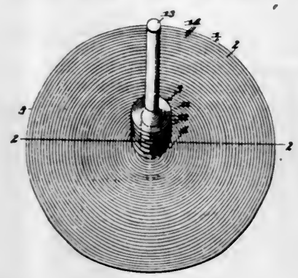
2,075,452
GLASS ANNEALING LEHR
William A. Morton, Mount Lebanon, Pa., assignor to Amco, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 14, 1935, Serial No. 6,436
8 Claims. (Cl. 198—20)



1. In a lehr loading and conveying mechanism, the combination with a main conveyor of a loading device in cooperative alignment therewith, said conveyor being mounted on a jointed frame, and means for adjusting one end of said frame to thereby adjust the vertical position of the conveyor and the loading device delivery station.

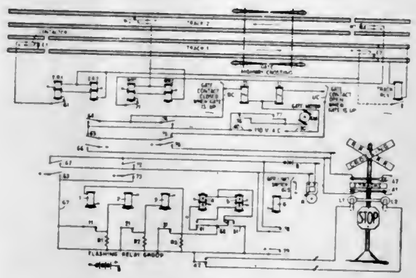
2,075,453
COMBINED BLOW-OUT PATCH AND PLUG
Thomas W. Mullen, El Dorado, Ark., assignor to Bowes "Seal Fast" Corporation, Indianapolis, Ind., a corporation of Indiana
Application October 29, 1934, Serial No. 750,578
6 Claims. (Cl. 152—26)

1. A tire casing repairing device comprising a patch to lie against the inside of a casing, and a plug to occupy a hole in said casing, said plug



having means to seal off irregularities in the contour of the hole.

2,075,454
ELECTRIC SIGNALING SYSTEM
Martin L. Nelson, Park Ridge, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application December 22, 1934, Serial No. 758,719. Divided and this application October 7, 1935, Serial No. 43,907
7 Claims. (Cl. 175—320)



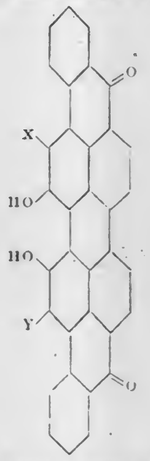
1. In combination, a conductor, two differential relays connected to said conductor,, means for transmitting a plurality of pulses of current over said conductor to said relays, and means including circuits for operating only the first of said relays in response to the first and each subsequent odd pulse, for operating the second of said relays in response to the termination of said first and each subsequent odd pulse, for releasing said first relay in response to the second and each subsequent even pulse, and for releasing said second relay in response to the termination of said second and each subsequent even pulse.

2,075,455
COMPOUNDS OF THE DIBENZANTHRONE SERIES
Heinrich Neresheimer and Anton Vilsmeier, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 2, 1935, Serial No. 19,530. In Germany May 4, 1934
2 Claims. (Cl. 260—61)

1. Bz3.Bz3'-dinitrodibenzanthrone-Bz2.Bz2'-quinones selected from the class consisting of unsubstituted Bz3.Bz3'-dinitrodibenzanthrone-Bz2.Bz2'-quinones and the 6-chlor- and the 6.6'-dichlor derivatives thereof.

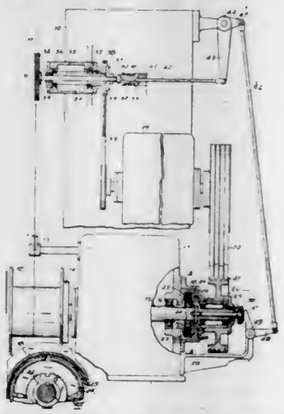
2,075,456
COMPOUNDS OF THE DIBENZANTHRONE SERIES
Heinrich Neresheimer and Anton Vilsmeier, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 2, 1935, Serial No. 19,531. In Germany May 4, 1934
4 Claims. (Cl. 260—61)

1. Compounds of the dibenzanthrone series corresponding to the general formula



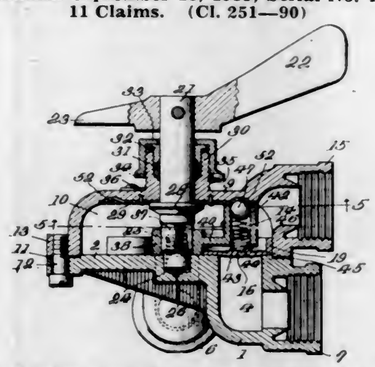
in which both X and Y stand for a member of the group consisting of hydrogen, NO_2 and NH_2 or wherein X stands for NH_2 and Y for hydrogen.

2,075,457
WINDING DEVICE
Norman H. Nye, Cuyahoga Falls, Ohio, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Original application April 30, 1931, Serial No. 533,893, now Patent No. 2,016,509, dated October 8, 1935. Divided and this application May 28, 1935, Serial No. 23,884
10 Claims. (Cl. 242—25)



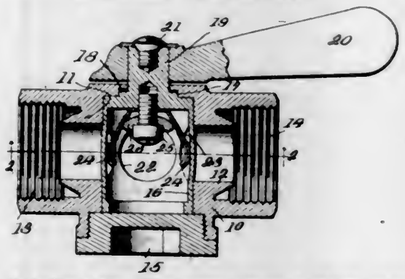
1. In a device of the character described, the combination of rotatable means upon which material is adapted to be wound, means for transmitting power to said rotatable means to drive the latter, and means for controlling the transmission of power to said rotatable means to thereby regulate the speed of the latter including cooperating screw and nut members, one of said members being actuated by the material, and means for driving the other of said members at substantially constant speed.

2,075,458
DISK VALVE ASSEMBLY
Arthur L. Parker, Cleveland, Ohio
Application September 13, 1935, Serial No. 40,507
11 Claims. (Cl. 251—90)



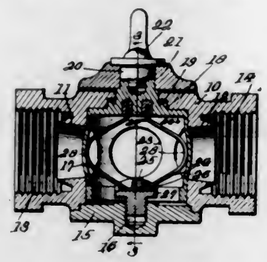
10. A valve comprising a valve casing having a port therethrough, a rotatable valve member having a flexible metal portion for controlling the passage of fluid through the port in the valve casing, and means having a predetermined position relative to the flexible metal portion of said valve member so as to be disposed in substantially axial alignment with the port in the valve casing when the valve is closed and rotatable with said valve member for bearing centrally against and flexing the said flexible metal portion centrally into the port in the valve casing when the valve is closed whereby to afford a uniform tight sealing contact between the edge of the port and the valve member.

2,075,459
CYLINDRICAL VALVE
Arthur L. Parker, Cleveland, Ohio
Application July 13, 1936, Serial No. 90,420
6 Claims. (Cl. 251—96)



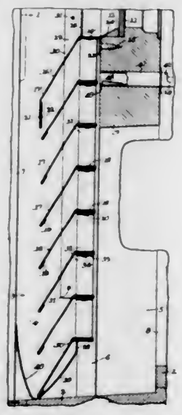
1. A valve assembly comprising a valve casing having a plurality of ports therethrough, a rotatable valve member having a flexible cylindrical wall portion, said wall portion having openings therethrough for affording communication between said ports when the valve is open, and means disposed within said valve member so as to bear against and flex the said wall portion centrally of the ports in said valve casing when the valve is closed whereby to afford tight sealing contact around the edges of the said ports.

2,075,460
VALVE ASSEMBLY
Arthur L. Parker, Cleveland, Ohio
Application September 23, 1936, Serial No. 102,181
8 Claims. (Cl. 251—96)



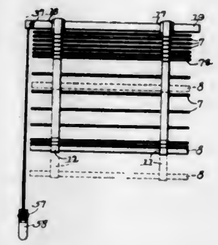
1. A valve assembly comprising a valve casing having a port therethrough, a valve member having a flexible portion for controlling the said port, means for forcing the flexible portion of said valve member centrally of said port when the valve is closed whereby to afford a tight sealing contact between the edge of the port and the valve member, and means for automatically reducing the flexing force exerted against the valve member as the valve is opened.

2,075,461
VENTILATOR FOR WINDOWS AND THE LIKE
Bert N. Parmenter, Lake Forest, Ill.
Application June 21, 1934, Serial No. 731,659
4 Claims. (Cl. 98—99)



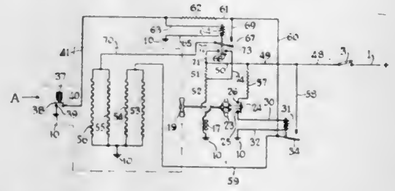
1. A ventilator for windows and the like, comprising a series of louvers being so constructed and arranged as to be held in spaced relation when extended to permit ventilation and in close adjacency when collapsed, and resilient connecting members for said louvers, each of said connecting members having an end directly secured to a louver of the series and the other end of said connecting member being directly slidably connected to the next louver of the series and being so arranged and constructed as to permit relative movement of said louvers into spaced or adjacency relations thereof to the slidable extent of said slidable connection.

2,075,462
VENETIAN BLIND
Bert N. Parmenter, Lake Forest, Ill.
Application July 28, 1934, Serial No. 737,346
18 Claims. (Cl. 156—17)



1. A Venetian blind comprising a series of slats normally supported in spaced relation and arranged into upper and lower connected sections, and common means connected to said series of slats to cause a contraction or to permit an extension of said series by sections.

2,075,463
HEATER
Robert J. Parsons, Schenectady, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
Application August 16, 1934, Serial No. 740,113
6 Claims. (Cl. 219—39)

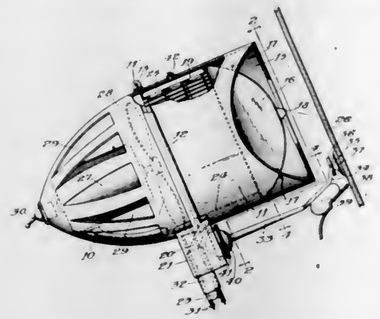


2. In a heating system, in combination: an electrical heating unit; a fan rotatable relative to said unit for causing movement of air over said heating unit; means for operating said fan; and means operable exclusively by said fan-operating means and only while said fan is operating for causing a flow of electrical energy through the said heating unit; a space to be heated; a thermostat in said space; and means controlled by the thermostat for governing the operation of the fan and so the flow of electricity through the heating unit.

2,075,464
COMBINATION AUTOMOBILE HEATER AND WINDSHIELD DEFROSTER
Joseph M. Petreikis, Chicago, Ill.
Application June 11, 1936, Serial No. 84,620
5 Claims. (Cl. 257—137)

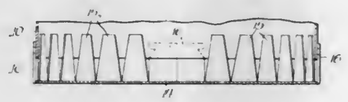
1. A heating device adapted to be mounted in an automobile, comprising a casing, a heating unit in the casing, a block depending from the casing, means extending through the block for

connecting the heating unit with the cooling system of an automobile, a bracket for mounting the



device on a fixed support, and means connecting the bracket to the block.

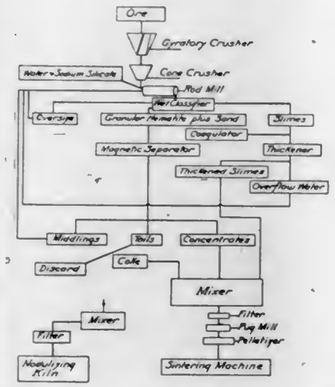
2,075,465
CONTAINER
Henry K. Powell, Chicago, Ill., assignor, by mesne assignments, to President and Directors of the Manhattan Company, a corporation of New York, trustee for Gibson Patent Containers, Ltd., a corporation of New South Wales, Australia
Application May 6, 1935, Serial No. 19,915
2 Claims. (Cl. 229—5.5)



1. A container of the type described, comprising a tubular body portion having openings adjacent one of its ends, a closure member of substantially the same diameter as said body portion, fingers on said closure member fitting adjacent the inside of said body portion, fingers on said closure member interlocked with said body portion through said openings, an inner body member having fingers extending adjacent said closure member, and an inner disk pressed into engagement with said inner body member to hold said first named fingers in frictional engagement with said body portion.

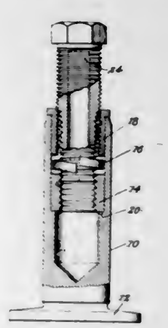
2,075,466
METHOD OF ELECTROMAGNETICALLY SEPARATING ORES
Augustin Leon Jean Queneau, Bernardsville, N. J.
Application May 26, 1936, Serial No. 81,899
5 Claims. (Cl. 75—1)

1. The method of treating ores to recover the metal values contained therein, which comprises dry crushing the ore to relatively small sizes, wet grinding the ore to the desired final sizes effective to separate the metallic and non-metallic values from each other, during said wet grinding admixing therewith a dispersion reagent, classifying the wet ground ore to effect a segregation of oversized, sized and slimes, treating the sized particles in an electro-magnetic separator device to recover the desired magnetic particles therein, treating the slimes to recover a thickened slime product, mixing the thickened slime product with granular carbonaceous material and the recovered magnetic particles to obtain a filterable material, filtering the material, and agglomerating



the filtered material to obtain masses thereof suitable for treatment by pyrometallurgical processes for the recovery of the metal values therein.

2,075,467
VALVE OPERATING MECHANISM
Irving G. Quesada, Washington, D. C., assignor to National Machine Products Company, Detroit, Mich., a corporation of Michigan
Application January 4, 1934, Serial No. 705,297
15 Claims. (Cl. 123—90)

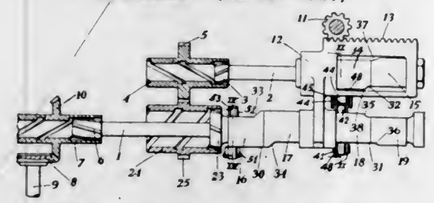


1. In a tappet for intermittently actuating the poppet valve of an internal combustion engine, a body having a longitudinal bore provided with a shoulder, a locking element initially resting on said shoulder and having threads, a threaded attaching element in said bore in longitudinally spaced relation to said locking element, an expansion lock washer between said locking and attaching elements and a motion transmitting tappet screw having a shank extending longitudinally into said bore and provided with attaching threads interlocking with said attaching element to render the tappet screw adjustable longitudinally of the body, said shank being provided with a second set of threads of a pitch coarser than said first named set of threads and mating with the threads of the locking element, said lock washer being provided with serrations for engaging said locking element.

2,075,468
LEAVENING PROCESS
Joseph S. Reichert, Niagara Falls, N. Y., and William J. Sparks, Urbana, Ill., assignors to E. I. du Pont de Nemours & Company, Incorporated, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 31, 1934, Serial No. 718,407
1 Claim. (Cl. 99—90)

A method of preparing baked raised products without yeast or carbon dioxide evolving materials which comprises incorporating hydrogen peroxide with the dough ingredients in an amount sufficient to act as a leaven therefor, proofing until the amount of hydrogen peroxide remaining undecomposed does not substantially exceed that amount which will be decomposed before the catalase destroying temperature is reached in the dough during baking, and then baking.

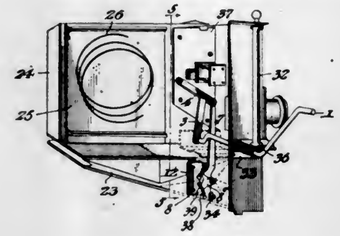
2,075,469
VALVE GEAR FOR STEAM AND OTHER ENGINES
Albert Reidinger, Winchmore Hill, London, and Thomas Blackburn Maddison, Wimbledon Park, London, England, assignors to Herman Lindars, London, England
Application January 19, 1934, Serial No. 707,386
In Great Britain January 20, 1933
13 Claims. (Cl. 121—127)



1. A mechanism for controlling the supply of elastic fluid to an engine cylinder comprising an inlet valve for each end of the cylinder, an exhaust valve for each end of the cylinder, a pair of separately mounted cams for controlling each of said inlet valves during forward running, a second pair of separately mounted cams for controlling each of said inlet valves during reverse running, means for operating said two pairs of cams to give infinitely variable admission and cut-off during reverse and forward running, a cam for controlling each of said exhaust valves during forward running, a second cam for controlling each of said exhaust valves during reverse running and means for controlling all of said exhaust valve operating cams to give infinitely variable release and compression.

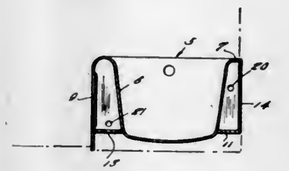
2,075,470
TOY CINEMATOGRAPH AND SOUND APPARATUS
Raimundo Payá Rico, Ibi, Spain
Application January 23, 1935, Serial No. 3,128
In Switzerland October 24, 1934
3 Claims. (Cl. 88—16.2)

1. A toy cinematograph and sound producing apparatus comprising a casing, a source of illumination therein, an objective mounted on the front face of said casing for vertical reciprocal motion, an aperture in said front face receiving light from said source and registering with said objective, reels adapted to guide a film having a plurality of rows of pictures across the front face of said casing behind the objective, an air chamber in said casing, a bellows in said casing for forcing air into said air chamber, an aperture in the front face of said air chamber and a harmonic plate secured over said aperture, apertures in the front face of the casing registering with the tongues of the harmonic plate, a crank



and means operatively connecting said crank with the objective, the winding reels and with the bellows whereby said objective, said winding reels and said bellows may be operated simultaneously by said crank.

2,075,471
HOT WATER PREHEATED BATHTUB
Joseph F. Sahloff, Selkirk, N. Y.
Application September 18, 1936, Serial No. 101,524
4 Claims. (Cl. 4—179)

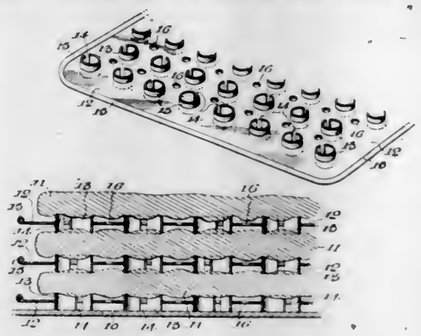


1. In a structure of the class described, in combination, a built-in tub including a tub proper, a marginal rim at the top of said tub, a skirt having an end portion disposed at one end of the tub and a side portion disposed at approximate right angles thereto, said skirt portions being disposed in spaced parallelism with respect to the adjacent walls of the tub proper, a substantially horizontally disposed U-shaped member including side and end features embracing the lower portion of the tub and attached thereto, certain of said features being attached to said skirt portion, an upstanding wall carried by one of said features and joined to an adjacent overhanging part of the aforementioned rim, and a pair of vertical end members constituting closures and apertured to accommodate supply and return pipes.

2,075,472
SPACER FOR STACKING CUT MEATS
Philip Schwary and John G. Watson, Portland, Oreg., assignors, by direct and mesne assignments, of one twenty-fifth to William F. Watson, one-fifth to Mitchell Schwary, one-fifth to Louise Gilkey, and four twenty-fifths to Mamie E. Watson, all of Portland, Oreg.
Application February 28, 1936, Serial No. 66,280
5 Claims. (Cl. 99—234)

3. A spacer for stacking meats consisting of a thin plate-like body, of perforate, transparent material, and hollow open-ended members of

similar material anchored intermediate the ends thereof in the perforations of said body plate,



each of said hollow members having a slot extending the full length thereof.

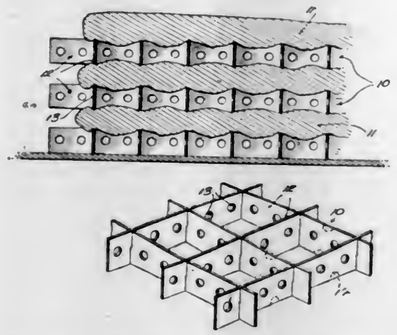
2,075,473

SPACER FOR STACKING CUT MEATS

Philip Schwary and John G. Watson, Portland, Oreg., assignors, by direct and mesne assignments, of one-fifth to Mitchell Schwary, one twenty-fifth to William F. Watson, one-fifth to Louise Gilkey, and four twenty-fifths to Mamie E. Watson, all of Portland, Oreg.

Application July 29, 1936, Serial No. 93,271

4 Claims. (Cl. 99—234)



4. A spacer for stacked meats consisting of a plurality of webs connected to one another in vertically edgewise relation and at right angles and supported wholly by virtue of their connections, said webs having apertures providing for circulation of air horizontally throughout the series.

2,075,474

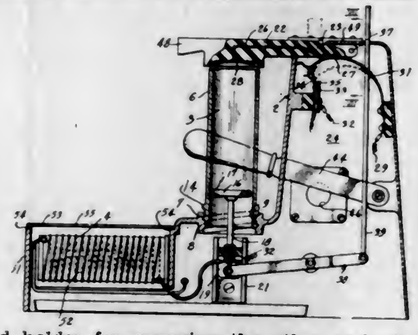
ELECTRICAL COOKING AND TOASTING DEVICE

Leo G. Scutt, Oakland, Calif.

Application March 11, 1933, Serial No. 660,360

6 Claims. (Cl. 219—19)

2. A device for cooking frankfurters or the like by passing an electric current therethrough, comprising a frame, a tubular open ended holder for the frankfurter, an electric contact arranged for movement to position adjacent one end of the holder for engagement with one end of the frankfurter when in said holder, stop means maintaining said contact when in said position spaced from said holder, and a second electric contact element mounted for longitudinal movement in



said holder for engaging the other end of the frankfurter when in the holder.

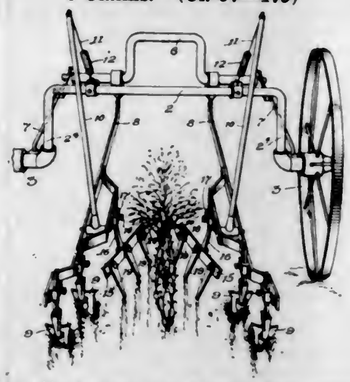
2,075,475

CULTIVATOR ATTACHMENT

Warren A. Seright, Muscatine, Iowa

Application September 10, 1936, Serial No. 100,167

6 Claims. (Cl. 97—179)



1. An attachment for a cultivator comprising a member having teeth adapted to engage the ground adjacent a row of vines; a support for said member adapted to be substituted for a cultivator shovel arm and formed to maintain the member at an angle to the axis of the cultivator thereby staggering the teeth; and means for shifting the runners of the vines out of the path of the teeth.

2,075,476

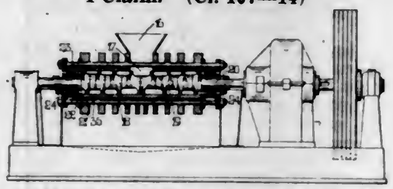
MACHINE FOR MOLDING PLASTIC SUBSTANCES

Albert William Sizer, Hessle, Kingston-upon-Hull, England

Application January 4, 1936, Serial No. 57,586

In Great Britain January 8, 1935

1 Claim. (Cl. 107—14)



A machine for treating plastic substances comprising a compression chamber, a single feed inlet centrally disposed with respect to said chamber, die plates closing opposite ends of said chamber, a right- and left-hand worm within said chamber, and means for periodically severing extruded material from said die plates.

2,075,477

GLASS CLOSURE FOR METAL CONTAINERS AND METHOD OF MAKING IT

Rowland D. Smith, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application February 11, 1935, Serial No. 6,066

14 Claims. (Cl. 49—81)



1. The method of making a glass insert for a metal container, which includes applying to the periphery of the insert a metallizing composition which contains a flux of the group comprising lead fluoride, barium fluoride and barium borate, firing the glass insert to incorporate therewith a thin coating of metal extending wholly around the outer edge of the periphery and overlying the opposite faces thereof for about one-sixteenth of an inch, and plating the metal coating with another metal which is easily wet by solder.

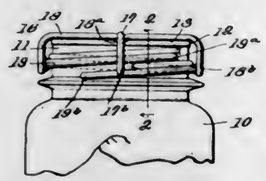
2,075,478

SKELETON JAR CLOSURE

Thomas L. Taliaferro, Chicago, Ill., assignor to Phoenix Metal Cap Company, Inc., Chicago, Ill., a corporation of New York

Application July 18, 1936, Serial No. 91,373

2 Claims. (Cl. 215—97)



1. A closure for jars comprising a lid, a gasket with which the lid is adapted to contact, and a clamping member for securing the lid on the jar including wire members extending across the lid and having the ends thereof extending downwardly and a spirally wound wire secured to the downwardly extending ends of said wire members, said spirally wound wire being shaped to engage and follow threads on the jar whereby to hold the lid in place.

2,075,479

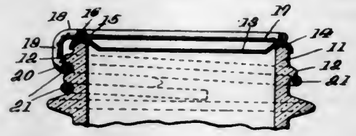
SKELETON JAR CLOSURE

Thomas L. Taliaferro, Chicago, Ill., assignor to Phoenix Metal Cap Company, Inc., Chicago, Ill., a corporation of New York

Application October 23, 1936, Serial No. 107,262

3 Claims. (Cl. 215—97)

3. A closure for jars comprising a lid, a gasket with which the lid is adapted to contact, and a clamping member for securing the lid on the jar including a wire member having a horizontally disposed loop portion bearing on the top of the lid directly over the gasket and having a spirally wound portion adapted to engage and follow the threads on the jar whereby to hold the lid in place, said loop having one end thereof depending and



offset therefrom and secured to the outside of the spirally wound portion of said wire member.

2,075,480

PATTERNED MATERIALS PRODUCED PARTICULARLY BY PRINTING

Aubrey Evelyn Taylor, Malvern, Melbourne, Australia

Application October 19, 1935, Serial No. 45,804

In Australia March 6, 1934

2 Claims. (Cl. 101—426)



2. Improvements in and relating to patterned materials produced by printing, consisting in distorting an existing textile having a design thereon, photographically reproducing the design of said distorted textile on a printing plate, printing from said plate on a sheet, and over-printing at least twice with one of such over-printings being of the initial representation, the over-printings providing an arrangement of lines having such relationship with each other and with the initial printing as to produce patterned effects additive to that of the initial printing without unduly obliterating such initial printing.

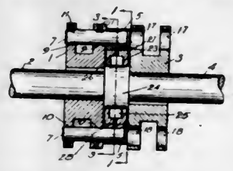
2,075,481

COUPLING

George Harold Thomas, Erie, Pa.

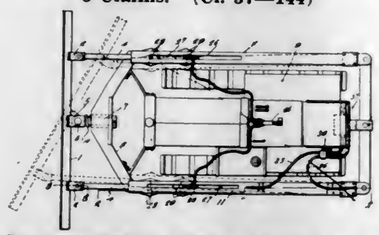
Application March 22, 1935, Serial No. 12,391

10 Claims. (Cl. 64—31)



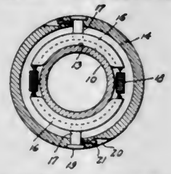
1. A coupling comprising a driving and a driven element, tiltably mounted members carried by said driving and driven elements having inner bearing surfaces adapted to remain in parallel relation with their oppositely disposed bearing surfaces and at substantial right angles to adjacently disposed bearing surfaces upon substantial relative rotation of said driving and driven elements, and means engaging said inner surfaces to prevent substantial relative rotation of said driving and driven elements.

2,075,482
TRACTOR SCRAPER
Harry Burney Thorpe, Visalia, Calif.
Application August 27, 1935, Serial No. 38,122
5 Claims. (Cl. 37—144)



3. In combination with a tractor, a pair of guide tubes disposed one to each side of the tractor and pivotally mounted at one end of the tractor, slide rods having ends slidably working within said guide tubes, a scraper blade pivoted to the free ends of said slide rods, a cylinder mounted in at least one of said guide tubes, a piston mounted for reciprocation in said cylinder and having a rod connected with a slide rod, hydraulic means connected with the cylinder for reciprocating the piston for varying the angle of the scraper blade with respect to the line of draft, and latch means associated with each slide rod and its guide tube whereby the guide rods may be selectively secured at the desired adjustment.

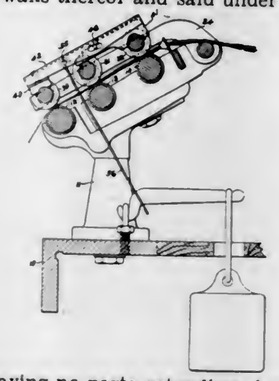
2,075,483
DRILL STEM COUPLING
Cody P. Trotter, Golden Meadow, La.
Application May 8, 1936, Serial No. 78,696
1 Claim. (Cl. 285—169)



A drill stem coupling comprising a male unit, a female unit adapted to receive the male unit, said female unit including a shell, said male unit including an extension for disposition in the shell, said extension being provided with a circumferential channel, and a pair of arcuate-shaped detent members in the shell engaged into the channel, springs connecting the ends of the arcuate-shaped members for retaining the same in the channel, headed pins extending from the arcuate-shaped members through openings in the shell to provide means for retracting the arcuate shaped members from the channel, and means operable from the outside of the shell and engaging the pins for securing the same against movement.

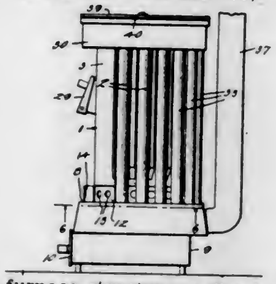
2,075,484
TOP ROLL SADDLE
James L. Truslow, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application April 17, 1935, Serial No. 16,851
11 Claims. (Cl. 19—137)

1. Weighting means for drawing rolls comprising a top saddle of inverted U-section exposing a smooth upper surface devoid of obstructions to wiping, in combination with an under saddle and a stirrup both connected only to the lower side of the top saddle and disposed between the side walls thereof and said under saddle and



stirrup having no parts extending above said top saddle.

2,075,485
HEATING STRUCTURE
Robert W. Turner, Chattanooga, Tenn.
Application March 6, 1936, Serial No. 67,489
6 Claims. (Cl. 126—75)

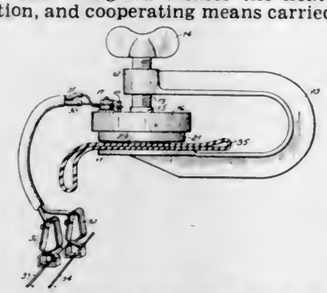


3. In a furnace structure, a fire box, a grate disposed in the lower part thereof, said fire box having a plurality of openings in its wall beneath the grate, an apertured band surrounding the wall of the fire box and adapted to control the flow of air through said openings, a casing disposed at the top of the fire box and opening thereinto, a casing at the lower part of the fire box and closed from communication with the same, a plurality of pipes disposed vertically exteriorly of the fire box and opening at their upper ends into the first mentioned casing and opening at their lower ends into the second mentioned casing, means for conducting auxiliary air from outside the structure through the top of the top casing and discharging it into the said pipes below their upper ends, and means for connecting the lower casing with a chimney pipe and forming the sole means for carrying off the products of combustion.

2,075,486
VULCANIZING UNIT
Henry A. Van Dyke, Grove City, Ohio
Application January 9, 1936, Serial No. 58,431
6 Claims. (Cl. 18—18)

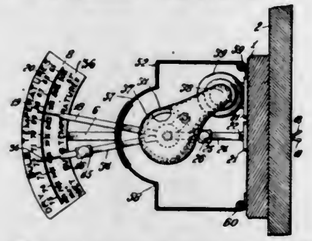
1. A vulcanizing device adapted to be used with but readily separable from a suitable clamping means and comprising a pair of cooperating superimposed separable members, one of which is adapted to have pressure applied thereto by the clamping means and the other of which is

provided with a vulcanizing patch for engagement with a rubber article, an electrical resistance element carried by one of said members which when energized creates the heat of vulcanization, and cooperating means carried by said



members and coacting automatically when said members are arranged in the clamping means in superimposed relation and pressure is applied to the first named member by said clamping means to enable an electrical circuit to be completed through said resistance element.

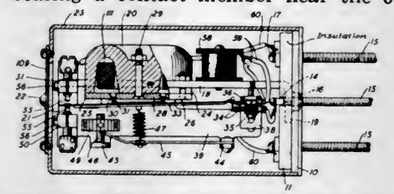
2,075,487
EFFECTIVE TEMPERATURE THERMOSTAT
John H. Van Zandt, Dallas, Tex., assignor to C. A. Dunham Company, Marshalltown, Iowa, a corporation of Iowa
Application March 9, 1935, Serial No. 10,206
7 Claims. (Cl. 297—2)



1. An effective temperature thermostat comprising a pair of thermostatic elements, one responsive to dry-bulb temperatures and the other responsive to wet-bulb temperatures, a pair of members movable along similar substantially parallel paths, means actuated by one of the thermostats for reciprocating one member in one direction or the other as the dry-bulb temperature rises or falls respectively, means actuated by the other thermostat for reciprocating the other member in directions opposed to the movements of the first member as the wet-bulb temperature rises or falls respectively, and means positioned on the members so as to be brought into effective engagement at a certain predetermined effective temperature to control a heat-transfer apparatus.

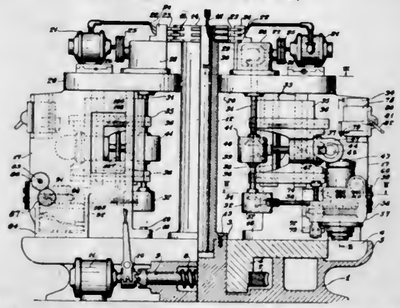
2,075,488
ELECTROMAGNETIC SWITCHING DEVICE
Harold N. Wagar, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 31, 1934, Serial No. 709,053
9 Claims. (Cl. 200—110)

1. In a circuit controlling device, a magnet comprising a shell having a central pole, an annular pole on said shell forming an annular air gap with said central pole, a ring-shaped ribbon wound coil adapted to function in said air gap, an arm supporting said coil at one end and bearing a contact member near the other



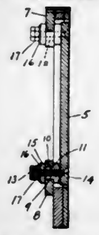
end and a reed for mounting said arm, said reed secured to said arm at a point intermediate said coil and said contact member.

2,075,489
CUTTING MACHINE
Homer C. Warner and Charles H. Schurr, Cleveland, Ohio, assignors to The Lees-Bradner Company, Cleveland, Ohio, a corporation of Ohio
Application October 6, 1931, Serial No. 567,276
17 Claims. (Cl. 90—4)



5. A machine tool comprising a frame, a carriage slidable thereon, a slide slidably carried by said carriage, a spindle journalled on said slide, a second spindle journalled on said frame, gearing between said spindles, two cams actuated by said gearing, connections between one cam and said carriage, and connections between the other cam and said slide.

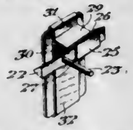
2,075,490
RELAY MOUNTING
Walter W. Williams, Bloomington, Ill.
Application April 11, 1934, Serial No. 720,063
1 Claim. (Cl. 248—358)



The combination with an instrument panel for a vibration-imparting instrument having an aperture therein provided with supporting offsets thereabout, and an instrument, carrying panel mounting said vibration-imparting instrument upon the exterior thereof received within said aperture and spaced apart from the walls thereof, of means adjacent the edges of the second panel

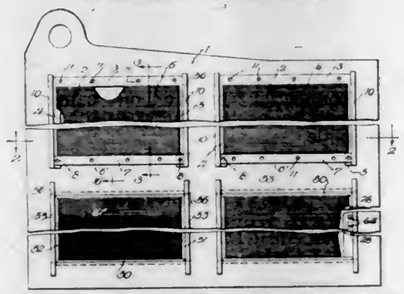
on the side opposite said instrument to center said panel and to engage the supporting portion of the first panel, including bushings of vibration-absorbing material received within apertures therefor in said supporting portions having annular flanges about one end of said bushings interposed between said panels with screws passing through the front face of the second panel having securing nuts threaded thereupon at the rear of said panel, and bushing-mounting washers of the same material in engagement with said bushings and rear surface of the first panel and metal washers interposed between the vibration-absorbing mounting washers and securing nuts to secure the panels together with their outer surfaces in alignment.

2,075,491
DENTAL X-RAY FILM HOLDER
William Everett Wilson, Pasadena, Calif.
Application October 19, 1933, Serial No. 694,269
15 Claims. (Cl. 250—34)



2. A dental X-ray film-holder comprising a film holding pocket having a hollow bite piece in the form of a three sided loop, a handle having a triangular bar removably engaged in said loop and provided with a pointer projecting outwardly normal to the plane of the film in said pocket.

2,075,492
STORAGE BATTERY PLATE
James G. Zimmerman, Madison, Wis.
Application January 9, 1932, Serial No. 585,670
24 Claims. (Cl. 136—70)



7. An active material unit for battery plates comprising a metallic frame, a plurality of thin metallic ribbons uniformly spaced on and bonded to said frame, and a layer of metal capable of use directly as active material disposed on said ribbons, said layers of metal being of a thickness suitable to prevent the oxidized product thereof from completely filling the space between adjacent ribbon faces.

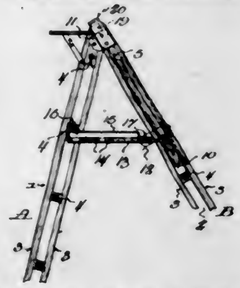
2,075,493
CIGAR
Arthur B. Adair, Kenilworth, Ill.
Application December 18, 1935, Serial No. 55,092
5 Claims. (Cl. 131—52)

1. The combination with a cigar, of a cap of thin, flexible material fitted over the butt end thereof, said cap having an integral internal projection on the wall thereof spaced a short distance from the mouth end of the cap and a much greater distance from the other end, said projec-



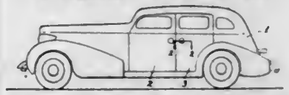
tion engaging the butt end of the cigar thereby to limit the entrance of the cigar into the cap and provide a small free space or pocket within the cap beyond the butt end of the cigar.

2,075,494
LADDER
Edmund J. Arps, Chilton, Wis.
Application January 14, 1935, Serial No. 1,727
3 Claims. (Cl. 228—23)



2. A combination ladder comprising a main section and a supplemental section, each section including longitudinally extending side rails and connecting rungs, slide bars extending longitudinally of the rails of the main section and slidably connected therewith, means pivotally connecting the upper ends of the rails of the supplemental section to the upper ends of the slide bars, and a platform pivotally connected to the lower ends of the slide bars and slidably connected with a rung of the supplemental section.

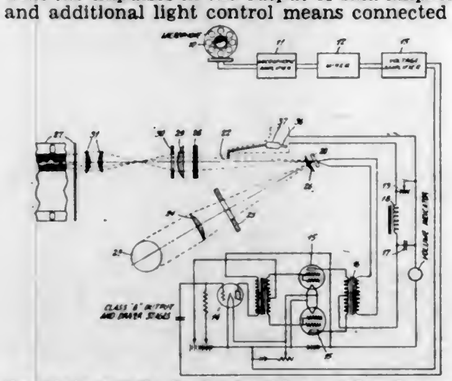
2,075,495
DOOR LOCK
Marion H. Aten, Burlingame, Calif.
Application January 26, 1935, Serial No. 3,669
4 Claims. (Cl. 296—44)



1. The combination with an automobile door and a lock therefor, of a hand lever for operating the lock, said door having an opening therein for receiving a part of the handle, said door having a shield covering the handle and the opening and forming a part of the door, the open end of the shield facing toward the rear of the automobile, said shield acting as a stop for limiting the opening movement of the handle and cooperating with the handle to constitute a hand grip to aid in opening the door.

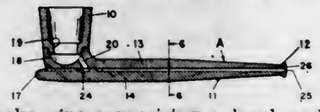
2,075,496
PHOTOGRAPHIC RECORDING AND REPRODUCTION OF SOUND
Max Carter Batsel, Collingswood, N. J., and Herbert Belar, Philadelphia, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application January 14, 1933, Serial No. 651,738
3 Claims. (Cl. 179—100.3)

1. Sound recording apparatus including, a push-pull amplifier biased to cut-off, light control means connected to the output circuit of said amplifier for varying light in accordance with the impulses in the output of said amplifier, and additional light control means connected in



the plate supply lead of said amplifier for controlling light in accordance with the mean value of said impulses, whereby the light beam is controlled in accordance with both said impulses and the mean value of said impulses.

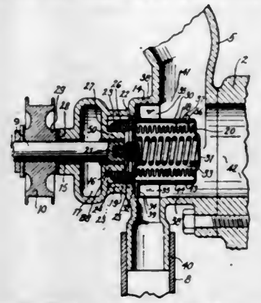
2,075,497
SMOKING PIPE
Alfred H. Behrman and Levi H. Eckhardt, Baraboo, Wis.; said Behrman assignor to said Eckhardt
Application March 11, 1935, Serial No. 10,411
1 Claim. (Cl. 131—12)



A smoke pipe comprising a bowl and a stem having a bit, the stem including a pair of longitudinally extending companion sections, the sections being provided with a mating tongue and groove, the tongue and groove tapering toward the bowl end of the pipe, one of said sections having a smoke passageway therein communicating with the bowl, the other of said stem sections having a circuitous passageway opening out through the bit end of the stem and communicating with the first mentioned smoke passageway when the sections are united, and a strike portion formed on the forward end of the lower stem section normally projecting beyond the bowl whereby to facilitate the initial displacement of the sections when the same are to be separated.

2,075,498
PUMP FOR LIQUID COOLING SYSTEMS OF INTERNAL COMBUSTION ENGINES
Carlton W. Bondurant, Cleveland, Ohio, assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio, a corporation of Ohio
Application January 17, 1934, Serial No. 707,038
18 Claims. (Cl. 123—175)

1. In a liquid cooling system for internal combustion engines, a pump for circulating cooling liquid through the system, comprising a casing and a rotor continuously driven commensurable to engine speed having impeller blades for discharging liquid admitted to the casing therefrom under pressure, and thermostatic means associated with the pump to vary the pumping effort effected by said pump, said thermostatic means effecting bodily movement of said rotor and blades in the direction of its rotational axis



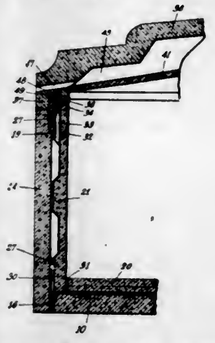
to displace it from a normal pumping position to another position in the casing.

2,075,499
SWITCHING DEVICE
Peter E. Buch, Passaic, and Arnold A. Hansen, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 11 1936, Serial No. 58,652
1 Claim. (Cl. 200—91)



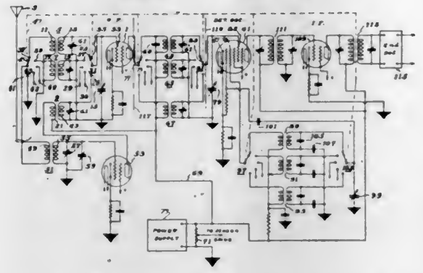
In a switching device for use in a circuit energized by an alternating current source, a magnet having a core, a copper plate mounted at one end of said core, an armature for said magnet, a toggle mechanism operatively connected to said armature for assisting the magnetic flux furnished by said copper plate upon the reverse cycle of the current for holding the armature against said core, a retractile spring for said armature, and contact members operated by said armature.

2,075,500
SWEATPROOF BURIAL VAULT
Robert A. Burns, Los Angeles, Calif.
Application December 13, 1934, Serial No. 757,315
12 Claims. (Cl. 72—7)



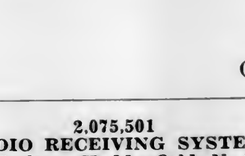
1. A sweatproof burial vault comprising a concrete container having a cover, the walls of the container and the cover being hollow, a waterproofing coating applied to the surfaces defining the spaces in the walls, and means providing for draining the spaces in the walls.

2,075,501
RADIO RECEIVING SYSTEM
Wendell L. Carlson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 17, 1934, Serial No. 735,653
7 Claims. (Cl. 250—20)



1. In a coupling transformer for high frequency amplifiers and the like, frequency adjusting means comprising a tuning capacitor having a rotatable adjustment device and a coil form having a relatively small internal diameter thereby to cooperate therewith as a guide for an adjusting tool for said adjusting device.

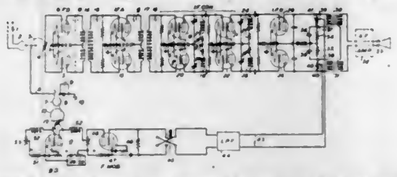
2,075,502
LIQUID LEVEL HORIZON
Bert G. Carlson, Queens Village, N. Y., assignor to Sperry Gyroscope Company, Inc., New York, N. Y., a corporation of New York
Application December 18, 1931, Serial No. 581,919
Renewed May 10, 1934
9 Claims. (Cl. 33—209)



1. In an artificial horizon for aircraft, a plurality of liquid containers, spaced laterally and longitudinally of the craft, and means providing restricted passageways connecting said containers both laterally and longitudinally, means for concealing one pair of laterally spaced containers, both containers of said other pair lying to one and the same side of said first mentioned pair, whereby both pitch and lateral inclination are shown on one face as a unitary indication by the liquid level in the visible pair of containers.

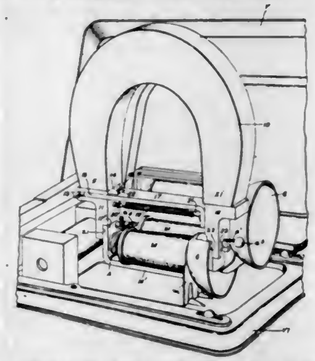
2,075,503
RECEPTION OF FREQUENCY MODULATED WAVES
Joseph G. Chaffee, Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 26, 1936, Serial No. 70,929
9 Claims. (Cl. 250—6)

1. The method of receiving frequency modulated waves which comprises converting the received waves to amplitude modulated waves, demodulating the amplitude modulated waves to reproduce the modulating signal waves and utilizing energy of the resulting signal waves to introduce a frequency modulation component in the received waves which will yield in the finally demodulated output a component which reduces



noises and distortions introduced in the receiving process.

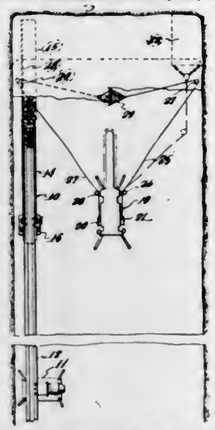
2,075,504
REMAGNETIZING DEVICE
Raymond A. Chegwidden, Chatham, N. J., Stanley J. Harazim, New York, N. Y., John J. Kuhn, Elizabeth, N. J., and Irving C. Pettit, Baldwin, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 21, 1936, Serial No. 75,602
4 Claims. (Cl. 175—21)



2. A remagnetizing device for the permanent magnets of ringers, comprising a horseshoe-shaped magnet, a pole-piece secured to one end of said magnet, a pole-piece arranged for sliding movement on the other end of said magnet, a bar of non-magnetic material secured to one of said pole-pieces and extending toward the other end of the remagnetizing magnet in engageable relation with the first-mentioned pole-piece to serve as guide for the slidable pole-piece, and spring means for yieldably holding the pole-pieces on the ends of the ringer magnet to be remagnetized.

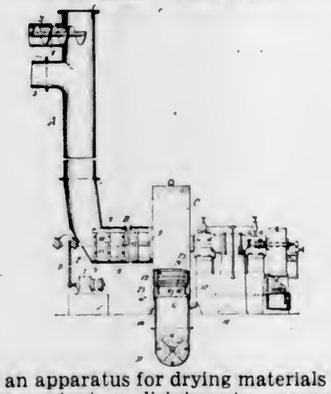
2,075,505
MINING AND LOADING SYSTEM
Loyal F. Crawford and Frank Cartlidge, Chicago, Ill., assignors to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 9, 1935, Serial No. 20,553
Renewed June 26, 1936
7 Claims. (Cl. 262—1)

6. In a coal mining and loading system, the method of mining and loading coal which consists in placing a shaker conveyer along one rib of a coal face, providing a loading pan on the forward end of said shaker conveyer which may be inserted in a kerf cut in the coal face, providing a mining machine having flexible feeding means, undercutting the coal from one rib to another with said mining machine, withdrawing said mining machine and anchoring it in a fixed position in the working place, inserting said loading pan in the kerf adjacent one rib and inserting a snubbing pan in the kerf adjacent the opposite rib, breaking down the undercut coal and starting operation of said shaker conveyer, removing said



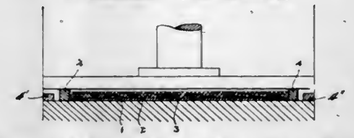
snubbing pan from the coal face with coal thereon by said flexible feeding means, attaching said flexible feeding means to said scoop and moving said scoop across the coal face for loading the mined coal onto said loading pan.

2,075,506
DRYING APPARATUS
Joe Crites, Evanston, and Richard F. O'Mara, Chicago, Ill., assignors to The Raymond Brothers Impact Pulverizer Company, Chicago, Ill., a corporation of Illinois
Application June 13, 1935, Serial No. 26,423
2 Claims. (Cl. 34—34)



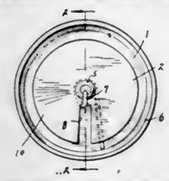
1. In an apparatus for drying materials of high moisture content, a disintegrator comprising a substantially cylindrical closed casing, disintegrating structures rotatable therein and means for rotating these structures, an outlet passage leading from a peripheral portion of the casing, a long substantially horizontal inlet conduit communicating at its discharge end with a central portion of the casing, means rotatable within this conduit for lifting material and dropping it back through the conduit without positively advancing the material through the conduit toward the disintegrator, means for introducing material to be dried into the inlet end of the conduit, and means for directing a stream of highly heated gases successively through the conduit, the disintegrator and the outlet passage whereby the material is dried in two stages, the first stage within the conduit and the second stage within the distintegrator.

2,075,507
METHOD AND MEANS FOR THE PRODUCTION OF NONMETALLIC PRINTING PLATES
Orby B. Crowell, Toronto, Ontario, Canada, assignor to Viceroy Manufacturing Company, Limited, Toronto, Ontario, Canada
Application November 24, 1934, Serial No. 754,592
4 Claims. (Cl. 18—44)



1. A method for producing non-metallic printing plates, consisting in first preparing a printing surface, then preparing a rubber material having non-expansible non-shrinkable fibres embedded therein, then covering said printing surface with the prepared rubber material, then placing around the material placed over said printing surface a compressible barrier, then pressing a plate first to engage said barrier to hold it in a fixed position and then to apply pressure to the rubber mass covering the printing plate, then applying heat to vulcanize the rubber in the mould being formed, then removing the mould, then compressing rubber into the mould so formed to form a printing plate and vulcanizing same.

2,075,508
SUTURE RETAINER
Edward W. Davidson, Los Angeles, Calif.
Application July 18, 1934, Serial No. 735,763
9 Claims. (Cl. 128—335)



1. A suture retainer comprising a button, a tube projecting from the button, and a clamping plate mounted on the tube, the bore of the tube opening through the button and plate for passage of a suture, and the button and plate being relatively spaced for reception of the end of the suture between the plate and button with the end of the suture snubbed around the tube and wedged between the cooperating plate and button.

2,075,509
COPPER BASE ALLOYS
Charles H. Davis, Cheshire, and Elmer L. Munson, Naugatuck, Conn., assignors to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application April 2, 1935, Serial No. 14,226
13 Claims. (Cl. 148—11.5)

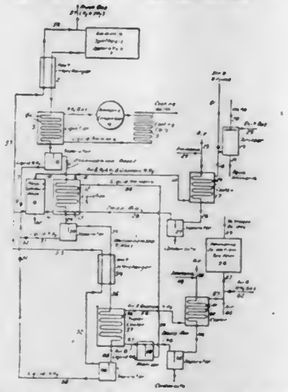
1. An alloy composed of copper, manganese and cadmium in proportions substantially within the following range:

	Percent
Copper	86.0 to 99.9
Manganese	0.01 to 11.0
Cadmium	0.01 to 3.0

2,075,510
PROCESS AND APPARATUS FOR THE TREATMENT OF GASES

John W. Davis, Prince George County, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York

Application December 20, 1930, Serial No. 503,735
13 Claims. (Cl. 23—162)

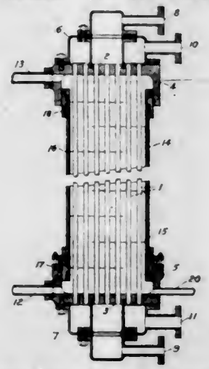


2. In a process for the production of nitrogen oxides by the synthesis of ammonia from its elements, recovering the synthesized ammonia by cooling the synthesis gases to condense liquid ammonia therefrom and oxidizing ammonia thus obtained, that improvement which comprises subjecting said synthesis gases to a cooling action obtained by introducing air into direct contact with said liquid ammonia to evaporate ammonia therefrom, and introducing the mixture of air and ammonia thus produced to an ammonia oxidation catalyst maintained at oxidation temperature.

2,075,511
HEAT EXCHANGER

William Lane De Baufre, Lincoln, Nebr.

Application January 17, 1936, Serial No. 59,587
10 Claims. (Cl. 257—224)

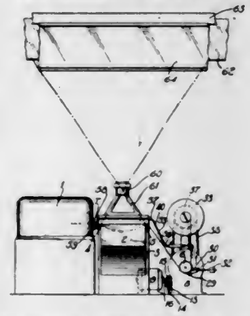


1. Interchanger for cooling compressed air below atmospheric temperature by returning products of rectification, including a steel outer shell, bronze end pieces attached to said outer shell, a copper inner shell fastened to said end pieces, a bronze head and tube sheet fastened to one of said bronze end pieces, a bronze head and tube sheet with gland forming a stuffing box surrounding the other of said bronze end pieces, packing material in said stuffing box, and copper tubes extending through said shells and having ends fastened in said tube sheets, whereby said steel shell is protected internally against corrosion and can expand or contract relative to said copper tubes with changes in temperature.

2,075,512
STOCK QUOTATION PROJECTING MACHINE

August D. Eitzen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York

Application February 18, 1932, Serial No. 593,768
Renewed August 20, 1936
10 Claims. (Cl. 271—2.3)

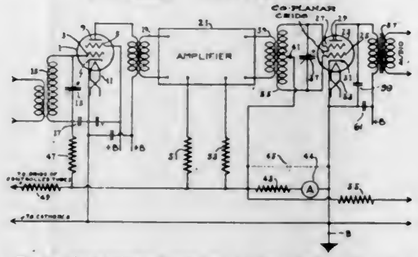


1. A tape control mechanism including a tape pulling sheave, a driven shaft for said sheave, an interrupting device operatively connected to said sheave, a lever responsive to the deflections in the tape mounted to rock about a horizontal axis parallel to said first named shaft and to control said interrupting device, a worm wheel fixed to rotate with said sheave, a continuously operating drive shaft extending at right angles to said first named shaft, and a slippage device including a worm rotatably mounted on said drive shaft and in mesh with said worm wheel, and a collar fixed on said drive shaft to clutchingly engage said worm when said interrupting device is liberated and to slip relative to said worm when said interrupting device is arrested.

2,075,513
RADIO RECEIVING CIRCUIT

Harold F. Elliott, Palo Alto, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application September 30, 1933, Serial No. 691,595
4 Claims. (Cl. 250—20)



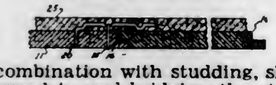
1. In a signaling system, a plurality of repeaters, means to supply alternating current to the input circuits of said repeaters, at least one of said repeaters including a cathode electrode and a plurality of grids so arranged as to mutually substantially neutralize their action so far as plate-

detection is concerned, a tuned input inductor for said last named repeater having terminals connected with two of said grids and an intermediate tap connected with the cathode electrode, means including a resistor in said last named connection to vary the uni-directional potential normally present in said grid circuit in accordance with the envelope of the alternating input energy applied thereto, and means for utilizing said varying uni-directional potential to control the gain in said system.

2,075,514
WALL CONSTRUCTION

George H. Ellis, New Brighton, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota

Application September 26, 1936, Serial No. 102,784
10 Claims. (Cl. 72—32)

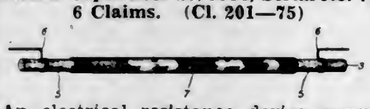


1. In combination with studding, slabs of material secured to and bridging the studding and formed to provide an overlapped joint which extends transversely of the studding, a plurality of plaster bonding and reenforcing structures each attached to one of two contiguous slabs and extending across the corresponding lapped joint and engaging the surface of each slab at spaced apart points whereby the major portions of said structures are held in spaced apart relation to the surface of the slabs, each of said looped structures having prongs which are driven into one slab, and a staple securing the looped structure to that same slab at a point between the prongs and the joint.

2,075,515
RESISTANCE

Joseph R. Fisher, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 20, 1934, Serial No. 744,780
6 Claims. (Cl. 201—75)

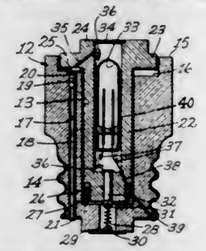


1. An electrical resistance device comprising a rod of insulating material, conducting terminals on the ends of the rod, a textile sheath of woven textile carbon threads shrunk on the rod and end portions of said sheath in engagement with said conducting terminals.

2,075,516
MULTIPLE FUSE AND SIGNAL PLUG

Milton W. Freeman, New York, and John W. Hooley, Larchmont, N. Y.; said Freeman assignor to said Hooley

Application July 19, 1935, Serial No. 32,196
4 Claims. (Cl. 200—121)



1. A combined fuse plug and lamp comprising an outer body carrying a series of fuses and having a central pocket, a contact ring in the bottom of said pocket, and a rotatable lamp-carrying body in said pocket and having a contact ring at its lower end, means being provided for preventing rotation of the lamp-carrying body in other than a single direction.

2,075,517
ALUMINUM ALLOY

John G. G. Frost and Walter Bonsack, Cleveland, Ohio, assignors to The National Smelting Company, Cleveland, Ohio, a corporation of Ohio

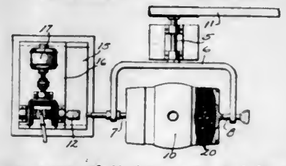
No Drawing. Application October 4, 1935, Serial No. 43,635
8 Claims. (Cl. 75—147)

2. A machinable aluminum base alloy having a low coefficient of thermal expansion and high thermal conductivity comprising 7 to 20% silicon, .3 to 3% tin and .1 to 2% magnesium with the balance substantially all aluminum.

2,075,518
ART OF SURFACING ONE METAL WITH ANOTHER

Fredrick Gettelman, Milwaukee, Wis.

Application October 4, 1934, Serial No. 746,831
3 Claims. (Cl. 91—70.1)

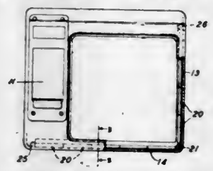


1. The process of lining a metal barrel, which consists in the introduction through a small hole in the barrel of a pulverulent metallic lining material, a suitable flux and a plurality of balls, the heating of the barrel and the rotation thereof, whereby to distribute the lining material in the barrel and to roll it into a continuous coating for the interior thereof.

2,075,519
COIN COLLECTOR HOUSING

Oyvind N. Giertsen, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 8, 1935, Serial No. 35,224
3 Claims. (Cl. 220—73)



1. A coin collector housing having an opening adjacent an edge of said housing, said edge being rounded and formed with a depressed lip to provide a seat for a closure for said opening, means for strengthening said edge comprising a strip of hardened steel mounted inside said rounded lip, and means for holding said strip in position inside said lip.

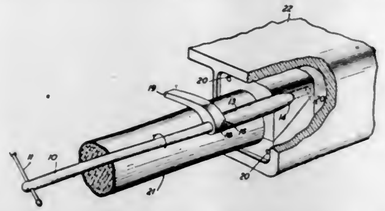
2,075,520
TOOL

James M. Hardesty, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 18, 1935, Serial No. 55,074
3 Claims. (Cl. 81—8.1)

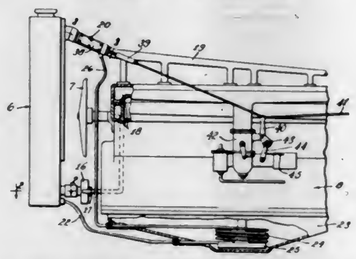
1. A tool for removing rubber bushings from cable conduits, said tool comprising two relatively

movable elements, each of said elements having means for engaging opposite sides of a portion of the bushing, means for moving one of said elements toward the other element, and manual means for preventing the movement of the last-



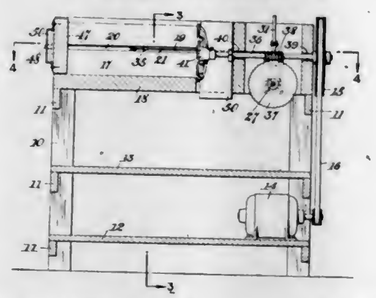
mentioned element upon the operation of the first element for gripping such a portion and thereby securing the bushing to said tool for removing the bushing from the conduit by a pulling force applied to said tool.

2,075,521
MULTIFLOW COOLING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Frederic W. Hild, Los Angeles, Calif.
Application November 10, 1930, Serial No. 494,567
35 Claims. (Cl. 123—178)



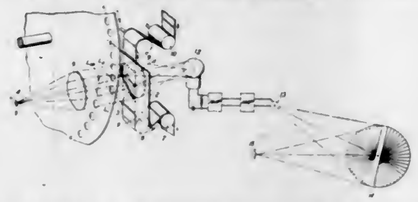
1. In combination: a radiator, an engine having two separate cooling channels each in water circulating connection with said radiator, pressure means for imparting circulation to the water in said channels, and means for varying the direction of the circulation in one of said channels.

2,075,522
ICE SHAVING MACHINE
Hoke S. Hughes, Palmetto, Fla.
Application October 27, 1934, Serial No. 750,270
2 Claims. (Cl. 83—62)



1. An ice shaving machine comprising a frame and a longitudinal trough for cake ice carried thereby, a rotary cutter carried in said trough adjacent one end thereof and a follower in said trough for feeding cake ice against the cutter, said trough having longitudinal grooves formed in the inner sides of the walls, means extending longitudinally of the trough and guided in said grooves and connected to the follower for propelling said follower in the direction of the cutter, said trough being open at the end adjacent the follower and closed by the follower, the latter being removable through the open end of the trough, and means for driving the cutter and said follower in timed relation; the arrangement being such that the entire area of the trough intermediate the cutter and the follower is available for ice in cake form and the means for propelling the follower being housed within and protected by the grooves in the trough walls.

2,075,523
SCANNING DEVICE
Herbert E. Ives, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 1, 1933, Serial No. 700,413
6 Claims. (Cl. 178—6)



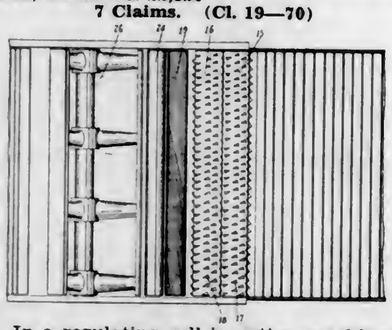
1. Means for scanning strip material comprising means for advancing the strip in the direction of its length at uniform speed, a window extending obliquely across the strip, and means comprising a moving scanning device for completely scanning successive transverse portions of the strip, one at a time, through said window in parallel elemental lines extending lengthwise of the strip, said scanning device having a row of spirally arranged apertures the terminal ones of which are differently positioned with respect to each other in the direction of the spiral than are any other successively operated apertures of the spiral.

2,075,524
WILDCAT FOR WINDLASSES
George H. James, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 1, 1935, Serial No. 8,832
3 Claims. (Cl. 74—244)



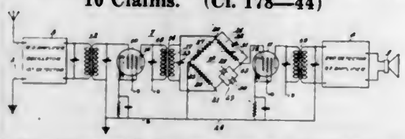
1. A wildcat or chain wheel, comprising a chain engaging portion of substantially polygonal construction, having alternately disposed flat surfaces and lugs, each of said flat surfaces having an elongated depression therein, and a removable shoe provided in each of said depressions adapted for renewal by shoes of greater or lesser thickness whereby the pitch diameter of said chain engaging portion may be varied.

2,075,525
REGULATING FEEDING AND FORMING ROLL IN OPENING AND PICKING MACHINERY
John Green Kershaw, Drummondville, Quebec, Canada, assignor to Dominion Textile Company Limited, Montreal, Quebec, Canada
Original application August 3, 1934, Serial No. 738,282. Divided and this application May 22, 1935, Serial No. 22,820
7 Claims. (Cl. 19—70)



1. In a regulating roll in cotton machinery, a collecting mechanism, a speed adjusting mechanism having pedals projecting therefrom and a regulating roll having spiral grooves throughout in its periphery forming protuberances following the direction of the grooves and adapted to engage said pedals for regulating the speed of the regulating roll.

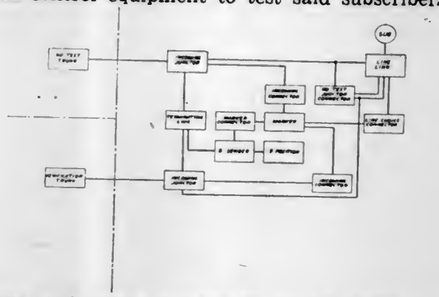
2,075,526
RADIO SIGNAL RECEIVING SYSTEM
Winfield R. Koch, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1934, Serial No. 713,254
10 Claims. (Cl. 178—44)



8. An intermediate frequency amplifier comprising, in combination, an interstage coupling device, an electrical bridge circuit having input terminals connected with the terminals of said coupling device, said device being tuned to a predetermined intermediate frequency carrier wave and side bands thereof and admitting portions of adjacent channel signals, means providing an output terminal for said bridge circuit, frequency discriminating means connected with one of said output terminals in one arm of said bridge circuit, means in a second arm of said bridge circuit connected with said one of said output terminals providing resistance and capacity for electrically balancing the resistance and capacity of said frequency discriminating means, said frequency discriminating means including a pair of series resonant circuits connected in parallel and each tuned to an adjacent channel signal.

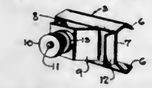
2,075,527
TELEPHONE SYSTEM
Franklin A. Korn, Elizabeth, N. J., and Oscar Myers, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 11, 1936, Serial No. 68,257
12 Claims. (Cl. 179—175.2)

1. In a telephone system, subscribers' lines, service trunks, no-test trunks, control equipment associable with either type of trunk, means in said control equipment to test said subscribers'



lines, and means responsive to the seizure of said control equipment by one of said no-test trunks to render said test means ineffective.

2,075,528
BEAM COMPASS CARRIAGE
Harry O. Letzerich, Philadelphia, Pa.
Application May 1, 1936, Serial No. 77,414
6 Claims. (Cl. 33—27)



1. A beam compass pointer carriage comprising, in combination, a flat bed plate with substantially concave integral wings at each side thereof for engaging the beam, and a V-shaped pointer holder attached to and supported directly by said bed plate.

2,075,529
JUVENILE BOOK
Spencer Leubrie, New York, N. Y.
Application March 22, 1935, Serial No. 12,373
6 Claims. (Cl. 35—26)

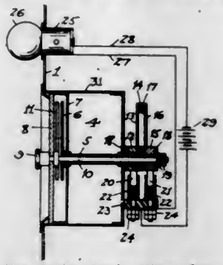


1. A book of the character described comprising a backing member, at least two sheafs of sheets, one of said sheafs consisting of transparent sheets only and binding means uniting each sheaf to a different edge of said backing member for rotation through a complete angle of 360° whereby any selected transparent sheet of one sheaf may be superimposed on any selected surface of any one of the sheets of the other sheaf in a flat, unstressed and undisturbed state.

2,075,530
WARNING SPEED INDICATOR
Francis Lohman, Detroit, Mich.
Application August 28, 1933, Serial No. 687,125
4 Claims. (Cl. 200—56)

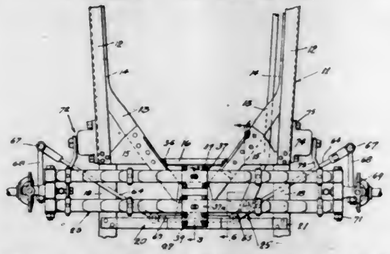
1. In combination, a housing adapted for the reception of a speed responsive mechanism, said housing having end closures, one of said end closures comprising an indicia bearing dial, a sleeve having its ends rotatably journaled in said end closures and adapted to be moved rotatably by a

speed responsive mechanism enclosed in said housing, an indicator element attached to the end of said sleeve externally of said dial, a contactor attached to the other end of said sleeve externally of the other closure, a shaft extending through said sleeve and rotatably supported



thereby with its ends projecting from the ends of said sleeve, an indicator on said shaft externally of said dial, a handle on said shaft for manually rotating the same and a contactor mounted on the other end of said shaft and adapted for engagement with said first named contactor.

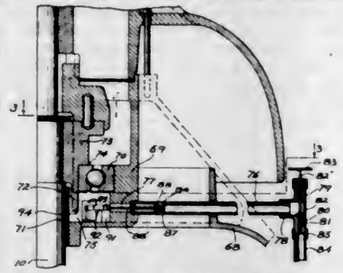
2,075,531
VEHICLE CHASSIS-FRONT END CONSTRUCTION
Oscar F. Lundelius and Melvin N. Lefler, Los Angeles, Calif., assignors to Lundelius & Eccleston Motors Corporation, Los Angeles, Calif., a corporation of Delaware
Application August 7, 1933, Serial No. 683,928
5 Claims. (Cl. 280—106.5)



1. Front end vehicle chassis construction comprising a frame having longitudinally extending side rails, a pair of members having connections with the side rails and converging between said rails toward the front end of the frame, plates connecting said convergent members intermediate their ends with said side rails at points spaced forwardly of the first mentioned connections, side rail extensions projecting forwardly from said plates, and means interconnecting the front portions of said extensions.

2,075,532
OILING DEVICE
Frank Mason, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California
Application August 4, 1930, Serial No. 473,074
5 Claims. (Cl. 308—168)

1. In a device for supplying lubricant to bearings from a reservoir associated with a shaft rotating in said reservoir and above the bearings, a conduit between the reservoir and the bearings, a valve mechanism in said conduit, said valve mechanism including means for preventing passage of lubricant through the conduit, while the shaft is stationary, and movable means in said reservoir, in the path of rotation of a fluid there-

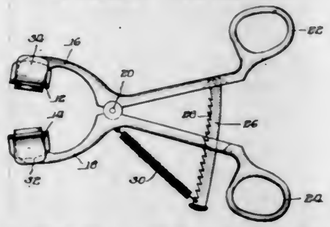


in to open the valve to establish communication between the reservoir and the bearings.

2,075,533
METHOD OF REMOVING ODOR FROM LABELS AND OTHER PRINTED MATERIAL
Douglas M. McBean, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
No Drawing. Application April 9, 1932, Serial No. 604,355
2 Claims. (Cl. 34—24)

1. The method of removing odor from labels and other printed material which comprises placing the printed material loosely in a room or other closed compartment, and circulating air through the room at a temperature of approximately one hundred sixty degrees Fahrenheit, and of a relative humidity corresponding to the moisture desired in the material of the labels.

2,075,534
MOUTH PROP
Charles V. McCormack, Gary, Ind.
Application October 13, 1933, Serial No. 693,411
6 Claims. (Cl. 128—17)

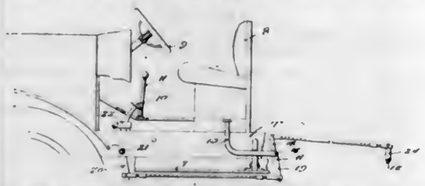


4. A mouth prop comprising in combination a pair of tongs, a tooth engaging plate formed at the outer extremity of each tong, means for separating said tongs to separate said tooth engaging plates, and a U-shaped lip receiving member arranged immediately adjacent each of said plates, the bottom of each receiving member and its associated tooth plate lying in a common plane.

2,075,535
MOTOR VEHICLE CONTROL
John Miers, Oostburg, Wis.
Application February 10, 1936, Serial No. 63,285
1 Claim. (Cl. 192—13)

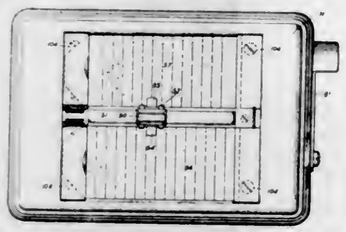
The combination with a motor vehicle including side channel beams, a running-board, a clutch pedal, a transmission shift lever and a brake rock shaft, of means for controlling the

operation of the truck from the running-board including a crank shaft rockably mounted on the channel beams, a foot pedal rigidly secured to the rock shaft adjacent to the running-board, a double-armed lever rockably mounted intermediate its ends on the vehicle adjacent to the clutch pedal, means operatively connecting the upper end of the lever to the clutch pedal, a crank-arm on the crank shaft, means operatively connecting



the crank-arm to the lower end of the lever, means operatively connecting the throw of the crank shaft to the brake rock shaft, and releasable means for normally holding the foot pedal in a depressed position, said releasable means including a latch lever disposed at right angles to the foot pedal rockably mounted on the running-board having a cam-shaped nose on its upper free end, and spring means normally urging the nose in the path of movement of the foot pedal.

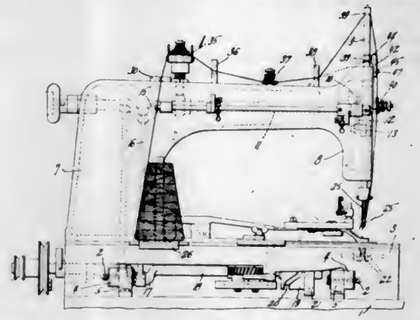
2,075,536
CALL TRANSMITTER
Victor F. Miller, Queens Village, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 18, 1935, Serial No. 41,010
3 Claims. (Cl. 179—90)



1. In a call transmitter, a mounting frame, a shaft journaled in said frame, a pair of disc members mounted on the opposite ends of said shaft, a bar carried by said members, a plurality of code discs each having a radial slot for engaging said shaft and said bar in side-by-side relation, a fork-shaped member carried by each of said discs for yieldably engaging said shaft, a stationary shaft mounted on said frame in parallel relation to the first-mentioned shaft, a carriage mounted for sliding movement on the second-mentioned shaft, and means positioned by the movement of said carriage and manually operable for imparting movement to the selected disc for disengaging it from said shaft and said bar.

2,075,537
SEWING MACHINE
Daniel C. Moreland, Medford, Mass., assignor to American Button Sewing Machine Co., Waltham, Mass., a corporation of Massachusetts
Application January 8, 1935, Serial No. 867
2 Claims. (Cl. 112—249)

1. In combination in a sewing machine, an arm, a sewing head at the forward end of said arm, a needle bar reciprocable in said head, a needle carried by said bar, a thread guide on said bar, a thread tension on said head between said bar guide and said needle, and a member with

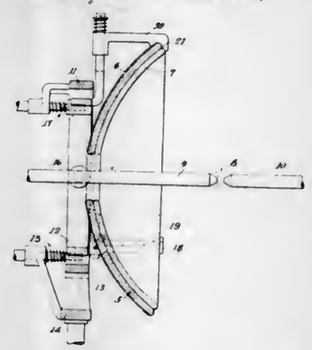


which the thread may engage carried by said head between said tension and bar guide and acting on the last portion of the sewing stroke of said needle to effect an increased length of thread path between said tension and bar guide.

2,075,538
SAFETY PAPER
John Wallace Neff, New Rochelle, N. Y., assignor to Milton C. Johnson Company, New York, N. Y., a corporation of New York
No Drawing. Application August 2, 1932, Serial No. 627,300
4 Claims. (Cl. 91—67.95)

1. A safety paper having a light, normally substantially imperceptible surface application comprising dehydro-thio-para-toluidine.

2,075,539
SHIELD FOR OPTICAL UNITS
Sidney Nickelsburg and Arnold Tyroler, New York, N. Y., assignors to Morelite Company, Inc., New York, N. Y.
Application August 13, 1934, Serial No. 739,518
6 Claims. (Cl. 176—51)



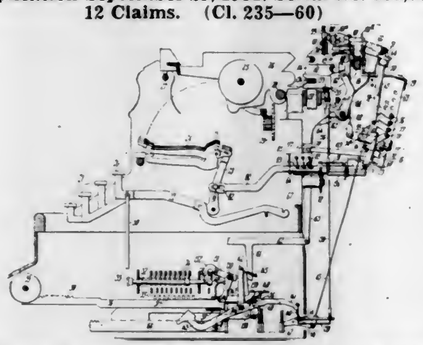
3. In a carbon arc light projector having a reflector, a transparent shield for the reflector, and means to support said shield nested in readily detachable substantial contiguity with the reflector, said means including a member to maintain yielding engagement between the reflector and shield so they may be rotated relative to each other and removable from and insertable in the support together or separately.

2,075,540

COMBINED TYPEWRITING AND COMPUTING MACHINE

Henry L. Pitman, Westfield, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application September 29, 1931, Serial No. 565,767
12 Claims. (Cl. 235—60)



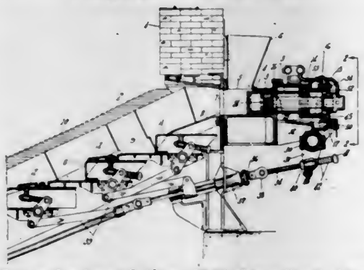
11. In a combined typewriting and computing machine, the combination with a carriage, numeral-type-keys, indexing mechanism operated thereby, and a set of registers, of a system of alphabet-type-keys, and register-selecting means including devices controllable selectively by certain of said alphabet-type-keys in co-operation with a control element that is adjustable along said carriage.

2,075,541

STOKER FURNACE

Herbert E. Preston, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 16, 1935, Serial No. 21,819
7 Claims. (Cl. 198—226)



1. In a device of the class described, the combination of a feeding ram, fluid pressure means for actuating said ram, adjustable stop means for interrupting the movement of said ram during its travel in the return direction, said stop means comprising a pivotally mounted disc having a series of inwardly extending projections of different lengths mounted thereon, and means for actuating said disc to bring the desired one of said projections into the path of said ram.

2,075,542

FILTRATION OF SEWAGE AND THE LIKE

Francis L. Pruyn, Sea Girt, N. J., assignor to Underpinning and Foundation Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application October 11, 1933, Serial No. 693,156
4 Claims. (Cl. 210—203)

1. The method of filtering sewage which includes the addition to a sewage stream flowing to a filter of paper pulp and medium sawdust in substantially equal amounts by weight, the paper pulp serving to assure the formation of a suitable cake and the sawdust serving to control the density of the cake and thereby control the rate of filtration, the passing of the mixture thus formed to the filter, the repulping of the cake, and the return of the repulped cake to the sewage stream before it reaches the filter.

2,075,543

STABILIZATION OF VINYL RESINS AND COMPOSITIONS PRODUCED THEREBY

Marion C. Reed and Frazier Groff, Lakewood, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application July 10, 1934, Serial No. 734,508
12 Claims. (Cl. 260—2)

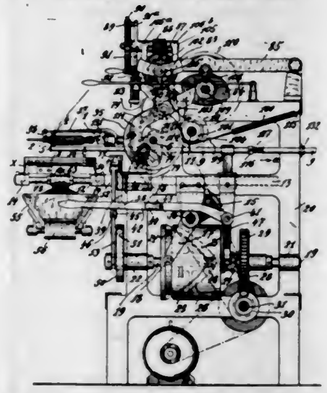
1. A heat- and light-resistant polymerization product of at least one vinyl ester, including a vinyl halide, which product contains a small amount of a metal soap having a metallic radical selected from the group of metals consisting of the alkali metals, the alkaline earth metals, cadmium, lead and manganese.

2,075,544

COP DOFFING AND TUBE DONNING MECHANISM FOR COP WINDING MACHINES

Wilhelm Reiners and Gustav Kahlisch, Gladbach-Rheydt, Germany, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany, a corporation of Germany

Application March 1, 1934, Serial No. 713,560
In Germany March 31, 1933
17 Claims. (Cl. 242—32)



1. In a cop winding machine, a winding mechanism comprising a group of spindles, a movable member, and means for imparting to said member a progressive movement during the winding of a group of cops on said spindles; a doffing mechanism, normally inoperative power driving means for said doffing mechanism, and means controlled by said member, upon reaching a predetermined point in its progressive movement, for setting said doffing mechanism in operation by said driving means.

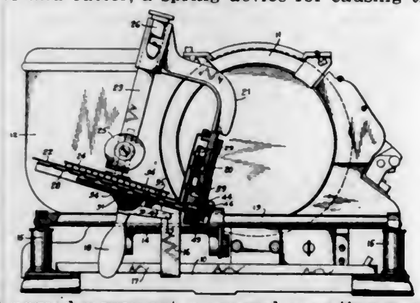
2,075,545

SLICING MACHINE

Ernest A. Reussenzehn, Dayton, Ohio, assignor, by mesne assignments, to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio

Application April 20, 1933, Serial No. 666,965
8 Claims. (Cl. 146—102)

1. A slicing machine comprising a cutter, a gauge plate adjustable relative to the plane of the cutter to regulate the thickness of the slices, a carriage for the article to be sliced, said carriage being adapted to move to and fro relative to the cutter to first cut a slice and then return to an initial position, a clamp carrier mounted on the carriage for movement toward the gauge plate and cutter, a spring device for causing the



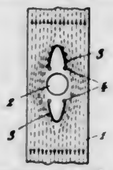
last named movement, a manual operating member mounted in the carriage for effecting to and fro movement of the carriage relative to the cutter, and a ratchet and pawl device mounted in the carriage and having a connection to the clamp carrier to move the latter in a direction away from the knife and gauge plate, said device being operated by the manual member prior to the return of the carriage to its initial position.

2,075,546

APERTURED STRUCTURAL ELEMENTS AND MACHINE PARTS

Franz Rinagl, Vienna, Austria

Application November 26, 1935, Serial No. 51,705
In Austria July 24, 1935
6 Claims. (Cl. 189—34)



1. Structural elements and machine parts destined for stress by external forces and provided with apertures for the reception of traversing linking elements, and with interruptions in their material adjacent the said apertures in the direction of the lines of force in the said material, the said interruptions being of a shape adapted to deflect the lines of force gradually from the vicinity of the said apertures and to prevent crowding of the said lines of force in the immediate vicinity of the said apertures and excessive stressing of the said material at these points.

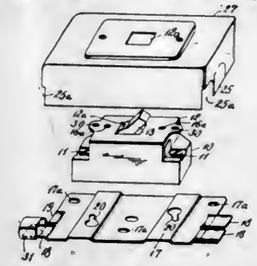
2,075,547

WIRING DEVICE

Charles E. Rutherford, West Hartford, Conn., assignor to The Wiremold Company, Hartford, Conn., a corporation of Connecticut

Application May 23, 1935, Serial No. 22,960
2 Claims. (Cl. 247—15)

1. In a wiring device, two members, one of which is a base plate and one a body portion, means for fastening the base plate in its desired location, rigid projecting means on one of the said members adapted to project behind portions of the other member by a slight movement of the body portion in part in a direction parallel to said base plate, a cover member and means for fastening the cover member rigidly in place with relation to the base plate, the cover member being shaped to engage with the body portion in such a manner as to prevent the body portion from



being so moved in a direction parallel to said base plate as to be disengaged from the base member when the cover member is in position.

2,075,548

FLUSH DEVICE

George Schaser, Gary, Ind.

Application March 4, 1936, Serial No. 66,983
2 Claims. (Cl. 137—104)



1. A flush device comprising means adapted to be mounted in a flush tank, a stationary valve member on the upper end of said means, a movable valve member mounted on the stationary valve member, spaced frame standards arising from said mounting means, a head mounted upon the standards, an operating lever and pivot means pivoting the lever at one end to means on said head, float-carrying means adjustably mounted on the other end of said lever, a valve actuating lever pivoted by said pivot means onto said means on the head and having a stop portion extending beyond the pivot means, an operating shaft extending thru the head and between the standards and being pivotally connected to the actuating lever and to the movable valve member, spring means engaging said stop portion to urge the actuating lever and shaft to the valve-closed position, and spring means pivotally connected with one end to the free end of said actuating lever and with the other end to said operating lever between said float-carrying means and said pivot means, whereby to operate the movable valve member with a quick motion for promptly closing the valve completely.

2,075,549

ANTIOXIDANT

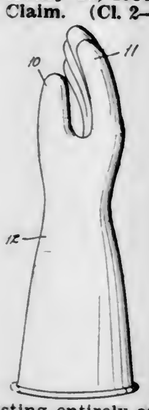
Waldo L. Semon, Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application August 23, 1935, Serial No. 37,530
10 Claims. (Cl. 18—50)

1. The method of retarding the deterioration

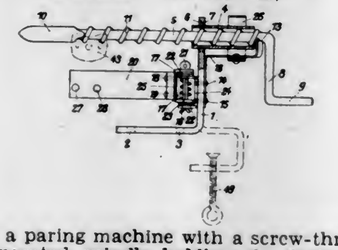
of an oxidizable organic material which tends to deteriorate by absorption of oxygen from the air which comprises treating it with a diarylamine in which at least one aryl group contains an unsaturated aliphatic hydrocarbon side chain.

2,075,550
RUBBER GLOVE
Emerson Sterling Smith, Ravenna, Ohio
Application February 10, 1936, Serial No. 63,164
1 Claim. (Cl. 2—168)



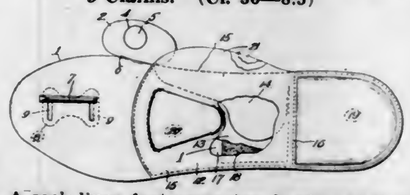
A glove consisting entirely of rubber and having a gauntlet portion, and thumb and finger portions spaced apart, the thumb being disposed directly in front of the index finger and being inclined laterally and inwardly in a position that corresponds to that which is taken in grasping the handle of a tool and the hand being curved convexly in a longitudinal direction from the wrist line to the finger tips, so as also to conform to the position that normally would be taken in grasping a tool, the palm of the glove being concave and the back of the glove being convex in a transverse direction, whereby the transverse distance at the base of the knuckles on the palm side of the glove is shorter than the corresponding distance on the back of the glove.

2,075,551
PARING MACHINE
Carl Stahl, Berlin-Wilmersdorf, Germany
Application March 4, 1935, Serial No. 9,290
In Germany March 5, 1934
6 Claims. (Cl. 146—43)



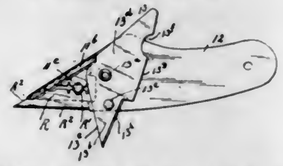
1. In a paring machine with a screw-threaded hand-operated spindle holding the fruit to be pared, a peeling knife arrangement, comprising a standardized safety razor blade bent about its shorter center line in the shape of a horse-shoe turned with its convex side towards the fruit, a similarly formed supporting member therefore, and a leaf-spring holder member for firmly securing the said blade in its position, one of said members having projections for engaging the standardized holes in said blade and corresponding holes in the other member; and a spring supported swinging arm for said peeling knife arrangement for pressing it against the fruit to be peeled.

2,075,552
SOCK LINER FOOT CORRECTOR
Clarence H. Stemmons, Kansas City, Mo.
Application November 2, 1936, Serial No. 108,695
5 Claims. (Cl. 36—8.5)



1. A sock liner foot corrector, having at its inner side an offset cushion and an offset arcuate arch support, the front end of the arch support overlapping the rear end of said cushion.

2,075,553
KNIFE
Alfred Storfer, Brooklyn, N. Y.
Application March 16, 1936, Serial No. 69,042
1 Claim. (Cl. 30—9)

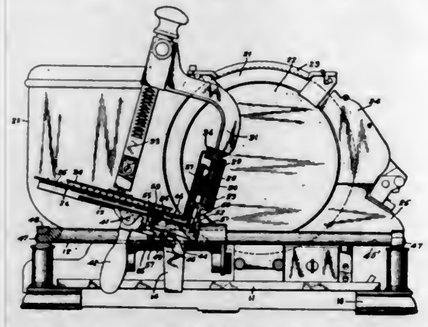


In a knife for cutting fur or the like, the combination with a section of a razor blade of the Gillette type formed with a biased edge, of a holder for said blade section comprising a mounting plate whose front edge is biased to conform with a biased edge of the razor blade section and is bent upon itself to form a wedge shaped groove adapted to engage said biased edge of said razor blade section, a centering stud on said mounting plate to pass through the hole of said razor blade section, a locking member pivoted to said mounting plate whose forward edge is adapted in locking position to engage said wedge shaped groove and produce a wedging effect on said blade section, thereby locking it in operative position and a depression on the inner face of said locking member to snap over said stud when it is in locking position.

2,075,554
MEAT SLICER
Thomas H. Strachan, Dayton, Ohio, assignor, by mesne assignments, to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application January 9, 1932, Serial No. 585,736
10 Claims. (Cl. 146—102)

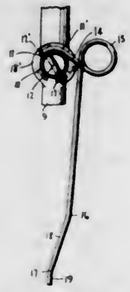
1. A slicing machine comprising a rotary knife, a gage plate at the side of the knife and lying in a plane to the rear of and generally parallel to the knife plane, a carriage mounted for reciprocation past the gage plate and knife, clamping means mounted on the carriage, spring means normally urging the clamp to move an article

on the carriage against the gage plate, a brake mounted on the carriage for engaging said clamping means to restrain movement thereof by said spring means towards the gage plate, a handle for reciprocating the carriage and pivotally mounted on the carriage for a limited swing



relative thereto, the handle having means during its swing to control operation of the brake, and means also controlled by said handle for withdrawing said carriage from its operative path of movement upon the return stroke of said carriage to effect spacing thereof from said knife.

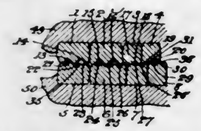
2,075,555
RAKE TEETH FOR RAKING CYLINDERS
Adolph J. Synck, Coldwater, Ohio, assignor to The New Idea Spreader Company, Coldwater, Ohio, a corporation of Ohio
Application November 7, 1934, Serial No. 751,877
5 Claims. (Cl. 56—400)



1. In a machine of the character described, a rake bar, rake teeth attached to said bar, said teeth being extended laterally of said bars and rearwardly of the same with reference to the direction of travel when raking, and thence in a downwardly direction, said teeth being formed each with a coil at the junction of the laterally extending and downward portion thereof, said downward portion consisting of at least three straight sections integrally attached to one another, the angle between any two adjacent sections being an obtuse angle.

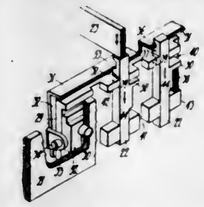
2,075,556
ARTIFICIAL TEETH
Merrill G. Swenson, New York, N. Y.
Application May 24, 1934, Serial No. 727,209
4 Claims. (Cl. 32—2)

1. In a denture, sets of upper and lower posterior teeth, each set having their occlusal contact surfaces formed substantially in two planes angularly disposed with respect to each other and meeting at a point intermediate and below the lingual and buccal sides of the occlusal surfaces, the meeting angle of said planes growing gradually more acute from the front tooth of a set



to the rear tooth of a set, and said plane surfaces being provided with recesses forming depressions in said surfaces with intermediate ridges, the ridges on each set being arranged in angular relationship to the ridges on the other set.

2,075,557
COMBINED TYPEWRITING AND COMPUTING MACHINE
Otto Thieme, Hartford, Conn., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application September 16, 1931, Serial No. 563,033
5 Claims. (Cl. 235—60)

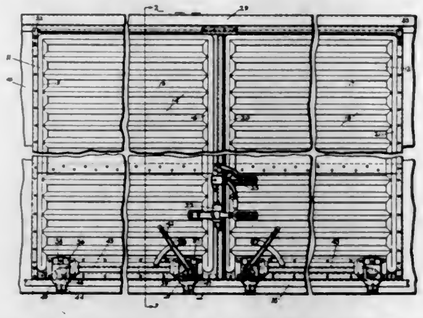


1. In combination, an indexing bar, a set of sliding index-pins therefor, a rack for mounting said index-pins, and means securing the rack to the side of the indexing bar; said rack having a horizontal longitudinal groove in one side, and having flanges above and below said groove, said flanges having spaced vertical guiding-cuts which open at top and bottom, in which the pins fit, the pins occupying said groove, and each pin extending above the upper flange and having notches therein, each pin also having abutments projecting from one side of each pin into the groove between the flanges; said bar serving to confine the pins in the rack, each abutment engageable respectively with a top or bottom flange, to serve as a stop, a universal plate having ears at either end and pivots connecting said ears to said rack, said plate having a latching flange cooperative with said notches to hold said pins in set position.

2,075,558
CAR DOOR
Kenneth J. Tobin, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application December 28, 1933, Serial No. 704,242
7 Claims. (Cl. 20—22)

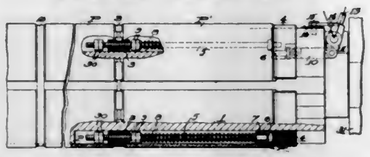
1. In a railway house car having a sliding door, a post secured to the forward margin of said door and capable of vertical movement relative to said car, said post comprising a leg extending inwardly and transversely of said door and spaced flanges, a rigid latch member provided with an abutment secured to said car below said post, said leg engaging behind said abutment and said

flanges lying on opposite sides of said latch member in overlapping relationship therewith in the



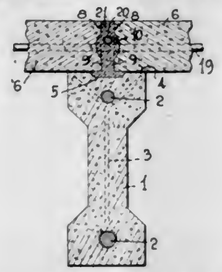
lowered position of said post when said door is closed, for the purpose set forth.

2,075,559
PLATE CLAMP
Paul L. Tollison, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application September 10, 1932, Serial No. 632,543
Renewed June 3, 1935
5 Claims. (Cl. 101—378)



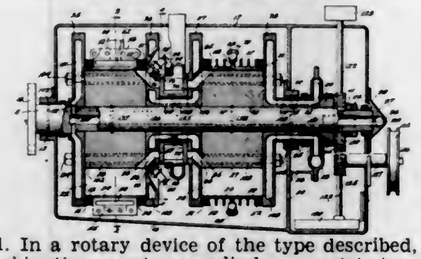
1. In a printing press, the combination with a plate cylinder and clamps for clamping the printing plates thereon, of automatic means for operating said clamps to clamp the plates thereon by the rotation of the cylinder, manually-operated means for unclamping said plates, and automatic means for latching the clamping means in unclamping position whenever moved fully to that position.

2,075,560
BUILDING CONSTRUCTION
John Wright Warren, Knoxville, Tenn.
Application October 15, 1934, Serial No. 748,417
15 Claims. (Cl. 72—68)



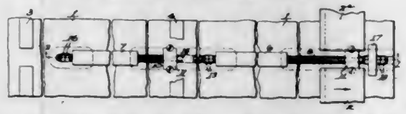
9. A building element comprising a slab having an end wall adapted to be juxtaposed with and bonded to the similar end wall of a similar element, said end wall having a lower edge which extends outwardly beyond its upper edge, and said end wall including a narrow beveled portion connecting said edges, at substantially the center only of the end wall, and having an indentation at opposite sides of said bevelled portion for receiving mortar or the like.

2,075,561
ROTARY ENGINE
Adolph H. Wellensiek, Washington, D. C.
Application December 6, 1932, Serial No. 645,995
14 Claims. (Cl. 123—16)



1. In a rotary device of the type described, in combination, a rotor, a cylinder eccentric to said rotor, a plurality of radially reciprocable partition plates extending between the rotor and cylinder and forming compartments whose size continuously changes during rotation, end members closing the cylinder and compartments, a totally enclosing casing and oil sump for the beforementioned parts, means supported from the said casing mounting the cylinder for rotation by frictional engagement with said plates, and a cooling fluid chamber for the cylinder incorporated in said mounting means independent of the casing.

2,075,562
PRINTING PRESS MARGIN BAR
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application October 4, 1932, Serial No. 636,099
Renewed December 6, 1934
5 Claims. (Cl. 101—378)

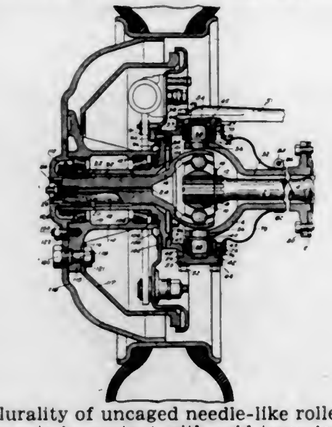


1. The combination with a printing plate cylinder and a movable margin bar having two opposite means along its sides for engaging ledges on two printing plates and provided with surfaces underneath which slant longitudinally, of printing plates on opposite sides of the margin bar having side ledges adapted to be engaged by said means on the margin bar and means whereby, when the margin bar is moved longitudinally on the cylinder, it will be raised or lowered thereby to release or clamp down the straight edges of the plate.

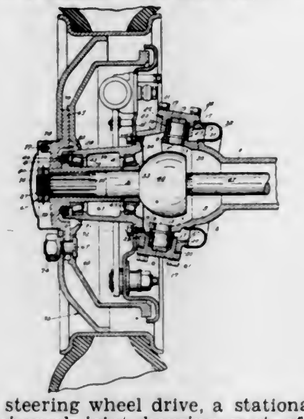
2,075,563
STEERING WHEEL DRIVE FOR VEHICLES
Herbert W. Alden, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application September 25, 1934, Serial No. 745,482
13 Claims. (Cl. 180—43)

1. In a steering wheel drive, a hollow stationary housing provided with diametrically opposite trunnions, a movable housing having diametrically opposite sockets provided with cups into which said trunnions extend, a bearing surrounding each trunnion and seated in said cup into which

said trunnion extends, said bearings comprising a plurality of uncaged needle-like roller bearing elements in contact with said trunnions.



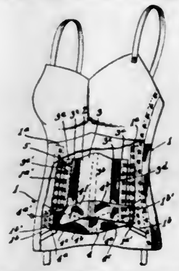
2,075,564
STEERING DRIVE AXLE
Herbert W. Alden, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application May 17, 1935, Serial No. 22,091
9 Claims. (Cl. 180—43)



1. In a steering wheel drive, a stationary axle and a universal joint housing part of rigidly combined construction, a second housing part adapted to nest with the first housing part, pivot means carried by one of said parts for pivotally interconnecting said housing parts, wheel driving shafts, a universal joint flexibly connecting said shafts and housed within said pivotally connected housing parts, a recess in the first mentioned housing part permitting said universal joint to be shifted axially relative to said first mentioned housing part and an opening in the second mentioned housing part permitting said housing parts to be assembled and disassembled while said pivot means is in position.

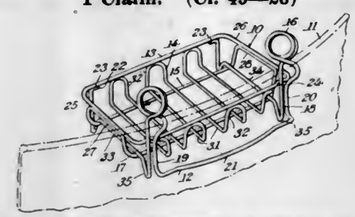
2,075,565
FOUNDATION GARMENT
Robert T. Allis, Springfield, Mass., assignor to The Standard Corset Company, Holyoke, Mass., a corporation of Massachusetts
Application July 29, 1933, Serial No. 682,744
1 Claim. (Cl. 2—27)

In a garment of the character described, the combination with a body portion to be worn around the body, of a support extending across the front of said garment and attached to said body portion, said support comprising: a vertically and circumferentially adjustable restraining member and an uplifting and flattening member attached independently of each other to said body portion and secured together at their respective girthwise centers at the lower part of



said restraining member in overlapped relation to each other so that vertical adjustment of said restraining member will vary the relative position of the center of said uplifting and flattening member with respect to its outer ends when they are attached to said body portion thereby to vary the extent of uplift and flattening exerted by said uplifting and flattening member, and means for vertically and circumferentially adjusting said restraining member.

2,075,566
SOAP HOLDER FOR SCRUB PAILS
Andrew H. Anthony, Detroit, Mich.
Application February 3, 1936, Serial No. 62,204
1 Claim. (Cl. 45—28)

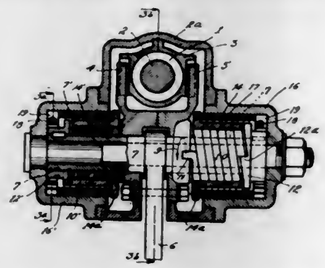


A soap holder comprising a clamp including spaced vertical arms arranged in pairs, a coil for each pair of arms with the latter depending therefrom and for holding the arms in yieldable cooperative association for clamping engagement with a pail or the like, a bridging member connecting one of the arms of each pair at the lower ends thereof, horizontal portions extending from the lower ends of the other arms and having downwardly directed portions at the ends thereof to provide feet, up-rights formed on the outer ends of the horizontal portions, a rectangular top frame secured to the last mentioned arms and to the upper ends of the up-rights respectively, a rectangular bottom frame having upturned ends secured to the ends of the top frame, and tray means including horizontal rod portions resting upon the bottom frame and upturned ends for the rod portions and secured to the top frame.

2,075,567
STEERING MECHANISM FOR VEHICLES
Elek K. Benedek, Bucyrus, Ohio, assignor of one-half to Paul von Vágó, Budapest, Hungary
Application November 6, 1934, Serial No. 751,739
8 Claims. (Cl. 280—89)

1. In a vehicle steering mechanism, a steering element adapted to be moved in opposite direc-

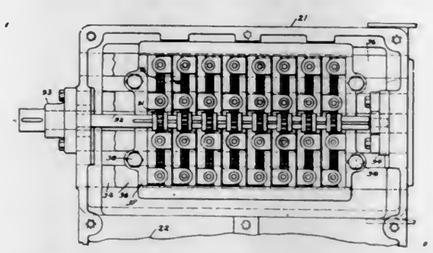
tions and having means associated therewith to steer the vehicle in respective directions when so moved, an actuating means for said element adapted to be manually operated, and oppositely acting elastic friction members, and cooperating friction means operative to check movement of said element in said respective directions consequent upon motion being imparted thereto independently of the actuating means, and means on the actuating means and on said steering element cooperating with certain of the elastic friction members for transmitting motion from the actuating means to the steering element through the medium of the said certain elastic friction members.



2,075,568
INKING MECHANISM FOR ROTARY PRINTING MACHINES

Earle Buckingham, Belmont, Mass., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application March 21, 1934, Serial No. 716,597
23 Claims. (Cl. 101—366)



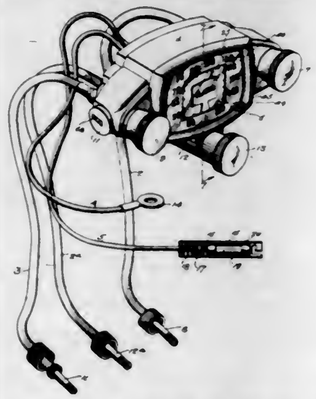
9. The combination with a printing machine having printing cylinders, ink distributing rollers, an ink distributing member coextensive with the printing cylinders and ink distributing rollers, of an ink reservoir, a plurality of conduits communicating with the ink distributing member at spaced points throughout its effective length, a plurality of closely nested rotary variable displacement ink pumps operably interposed between the reservoir and the conduits, a separate pump operably communicating with each conduit to supply a constant and even flow of ink to the ink distributing member to permit the ink distributing member to supply ink in a uniform film to the ink distributing rollers thereby supplying a uniform film of ink to the printing cylinders with the employment of a minimum number of ink distributing rollers.

21. In an inking mechanism for a printing machine, an ink reservoir, a plurality of ink pumps, a frame member in said reservoir and having a pump engaging member, and a releasable member engaging each pump to force the pump into engagement with the said pump engaging member of the frame thereby securing the pump to the frame.

2,075,569
CONTROL AND INDICATOR DEVICE FOR RADIO RECEIVERS

Euclid O. Burton, Philadelphia, Pa., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application February 27, 1935, Serial No. 8,548
3 Claims. (Cl. 116—124.1)

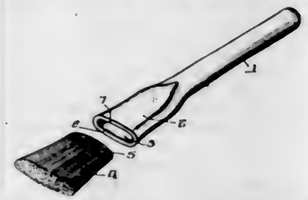


1. A control and indicator device for radio receivers, comprising an indicator window including a transparent plate and having light-reflecting indicia arranged to receive light through the edges of said transparent plate to illuminate said indicia, a rotatable opaque member having a light-transmitting indicator portion adjacent said window, a rotatable tuning element adapted to actuate said opaque member, and a stationary lamp arranged cooperatively with said transparent plate and said opaque member so as to propagate light through said indicator portion and through the edges of said transparent plate, whereby the indicia are illuminated and a movable light indicator image is produced on said window in cooperative relation with said indicia.

2,075,570
BRUSH AND METHOD OF MAKING SAME

William W. S. Carpenter, Oak Park, Ill., assignor to Sanford Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application February 27, 1935, Serial No. 8,499
12 Claims. (Cl. 300—21)

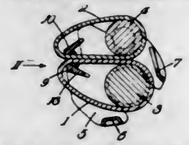


1. A brush comprising a handle made of a thermo-plastic, substantially non-elastic material, a socket integrally formed within said handle, a tuft of hairs within said socket and extending a substantial distance beyond the forward edge of said socket, said tuft of hairs being clampingly held between the forward edges of said socket.

2,075,571
MECHANISM FOR DRAWING TEXTILE ROVINGS

Fernando Casablancas, Sabadell, Spain

Application December 2, 1936, Serial No. 113,928
In Spain December 13, 1935
8 Claims. (Cl. 19—131)

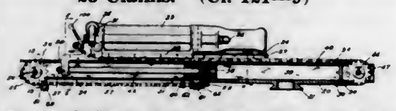


1. In a drawing mechanism for textile rovings utilizing a pair of endless belts, the combination of a frame comprising a pair of spaced apart side plates connected together and formed with projections on their front faces, a pair of rolls driving the said belts and supported by the said frame, and a U-shaped member removably supported in the said frame with the arms of the said U-shaped member guiding internally the front loops of the said belts, said arms being parallel longitudinally, of flat shape and convergent in cross-section and being so formed in conjunction with the said side plates that the lower of the said arms is supported adjacent both its front and rear edges by the side plates and is engaged by the said projections to prevent rocking movement of the U-shaped member.

2,075,572
FEEDING MECHANISM FOR ROCK DRILLS

John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio

Application May 24, 1935, Serial No. 23,213
23 Claims. (Cl. 121—9)



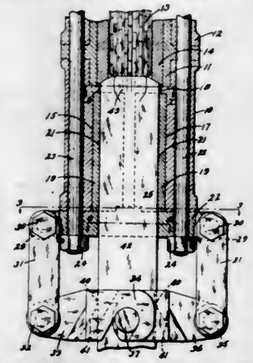
1. In a drilling apparatus, the combination with a stationary support, of a tube slidable thereon, a drilling motor slidable on said tube, a piston chamber within said tube having a fluid actuated piston reciprocable therein and rigidly connected to said motor for imparting feeding motion thereto, and connecting means between said motor and tube whereby feeding motion of the former is transmitted to the latter at a lesser rate of speed.

2,075,573
ROCK DRILL FRONT END

John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio

Application September 6, 1935, Serial No. 39,465
7 Claims. (Cl. 121—32)

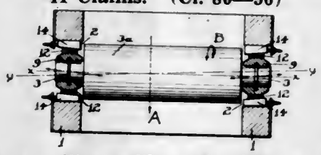
1. In a front end construction for rock drills, a front housing formed with an aperture, a tool implement having a shank slidably guided within said aperture, said shank and aperture being of rectangular cross section with the side walls thereof longer than its end walls, the middle portion of the side walls of said shank toward the free end thereof being flared to form an enlarged end surface, and a passage between the marginal edge of the side walls of said aperture affording the free introduction or removal of said shank into or from said aperture irrespective of the flared portion of said shank.



2,075,574
ALIGNMENT MAINTENANCE FOR THE ROLLS OF ROLLING MILLS

Frank P. Dahlstrom, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts

Application January 11, 1932, Serial No. 585,922
41 Claims. (Cl. 80—56)



30. In a rolling mill or the like, a plurality of cooperating rolls, at least one of which, in response to operation of same in crossed relationship to an adjacent roll, is free to move endwise, and means for converting such endwise roll movement into a lateral adjusting movement of said roll, thereby to shift said roll into uncrossed relationship to said adjacent roll.

2,075,575
PROCESS FOR POLYMERIZING VINYL COMPOUNDS

Stuart D. Douglas, Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application January 29, 1932, Serial No. 589,774
3 Claims. (Cl. 260—2)

1. Process which consists in conjointly polymerizing vinyl halides with vinyl esters of aliphatic acids in the presence of an organic peroxide polymerization catalyst and a small quantity of an organic acid at a temperature below 60° C.

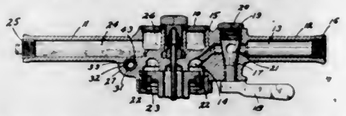
2,075,576
LUBRICATOR

Albert Feucht, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio

Application August 21, 1935, Serial No. 37,201
5 Claims. (Cl. 121—18)

1. In a motor having pressure fluid admitted therein for actuating the same, a lubricant reservoir, a passage for conveying pressure fluid into

said reservoir, a port for conveying lubricant from said reservoir to the pressure fluid actuating said motor, and a rotatable element having a groove formed thereon in eccentric relation with the center axis thereof, said groove upon rota-



tion of said element being movable with respect to said passage and port for controlling the amount of the pressure fluid conveyed by the former and the amount of lubricant conveyed by the latter.

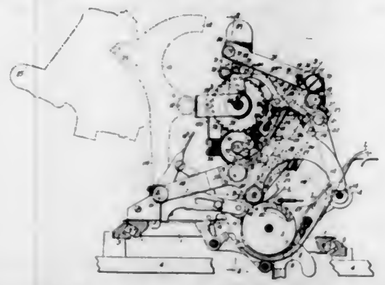
2,075,577
SYRINGE
Clement Joseph Gerhardstein, Sandusky, Ohio
Application August 17, 1934, Serial No. 740,307
1 Claim. (Cl. 128—232)



In a syringe, a discharge nozzle consisting of a nipple having a hemispherical forward end and being gradually reduced in diameter toward its rear end to provide a rearwardly tapered nipple, an enlarged body formed integral with the rear end of said nipple, the body being elliptical in cross section and having a flat upper end for forming an elliptical shoulder about the rear end of said nipple, said body having a thick and solid forward portion and the rear portion being recessed and internally threaded, the rear end of the nipple being formed with an external circumferential groove at its junction with the shoulder, merging into the shoulder, pockets being formed longitudinally in sides of the nipple adjacent its front end, and the nozzle having an axial passage extending through the thick and solid forward portion of the body and terminating in spaced relation to the front end of the nipple and adjacent its forward end provided with side outlets opening into the pockets intermediate ends thereof.

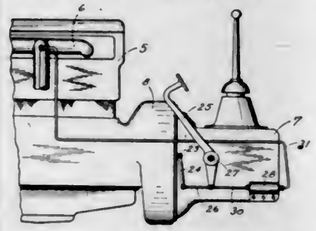
2,075,578
TYPEWRITING MACHINE
Frederick A. Hart, New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a corporation of New York
Application April 15, 1930, Serial No. 444,450
57 Claims. (Cl. 197—128)

1. The combination of a platen carriage, a rotative cylindrical platen carried thereby, an auxiliary primary work sheet carrying carriage, means for mounting the latter on said platen carriage for movement therewith and for independent travel along said platen and platen carriage to different set positions and also for



movement thereon to enable said auxiliary carriage to be shifted to and from effective or operative position for use, and means carried by said auxiliary carriage for carrying a primary work sheet therewith in the independent travel of said auxiliary carriage.

2,075,579
OPERATING MECHANISM FOR MOTOR VEHICLE CLUTCHES AND THE LIKE
Odd Arnold Hansen, Buffalo, N. Y., assignor to The White Motor Company, a corporation of Ohio
Application May 5, 1930, Serial No. 449,814
6 Claims. (Cl. 192—85)

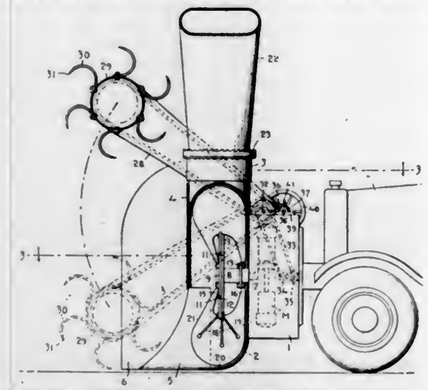


1. In a motor vehicle, the combination of a motor, a clutch, and means constantly responsive to changes in torque conditions for exerting a varying closing force on said clutch varying roughly throughout the entire range of torque transmission by said clutch in direct proportion to the torque transmitted, and being sufficient under all conditions arising in normal operation to prevent slipping of said clutch.

2,075,580
APPARATUS FOR SNOW REMOVAL
Adolph M. Jeswine, Helena, Mont.
Application October 24, 1934, Serial No. 749,856
7 Claims. (Cl. 37—43)

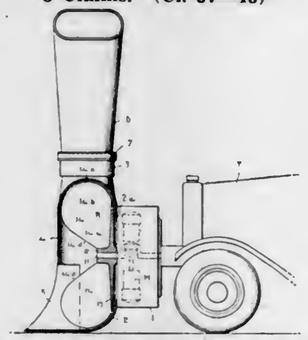
7. In an apparatus for snow removal, the combination of a main frame; a prime mover mounted on said frame; a scarifying drum mounted on said frame; driving means from the prime mover to the drum for rotating the drum; a concave scoop disposed behind the drum, having an arcuate horizontal cutting edge and a semi-circular inner discharge opening; a rotor disposed behind said scoop opening so that its lower half is surrounded by the scoop; a shaft on said prime mover on which said rotor is mounted; a circular housing about said rotor

having a tangential throat; a rotatable discharge



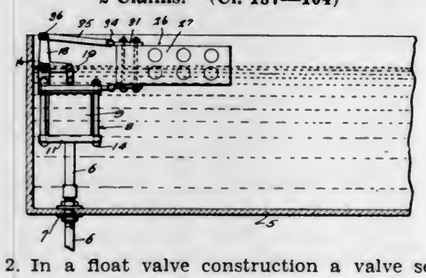
spout in said throat; and means for rotating said spout.

2,075,581
APPARATUS FOR SNOW REMOVAL
Adolph M. Jeswine, Helena, Mont.
Application December 11, 1934, Serial No. 757,047
3 Claims. (Cl. 37—43)



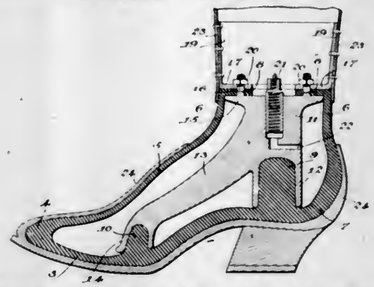
1. In a snow removal apparatus, the combination of a housing; a prime mover mounted in said housing and provided with a shaft extending from said housing; a casing having a circular orifice concentric with said shaft, and a supply opening and a discharge opening, said casing being attached to said housing on the periphery of said orifice; and a rotor mounted on said shaft and disposed in said casing between said openings.

2,075,582
FLOAT VALVE
William M. Jolly, Van Horn, Tex.
Application July 10, 1936, Serial No. 89,992
2 Claims. (Cl. 137—104)



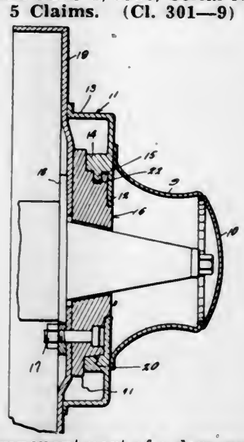
2. In a float valve construction a valve seat plate, a valve operating member movable through the plate, a bracket mounted on the plate, a bell crank rockably supported by the bracket and having its lower end attached to the valve operating member, an elongated float member, a hinge plate secured to the top and bottom sides of the float, a link between the upper end of the bell crank and the upper hinge plate on the float, and a hinging connection between the lower hinge plate and one end of the valve seat plate.

2,075,583
FOOT FOR ARTIFICIAL LIMBS
Gottlieb Lange, Muskogee, Okla.
Application August 31, 1935, Serial No. 38,833
3 Claims. (Cl. 3—8)



1. A pneumatic foot for artificial limbs comprising a hollow resilient foot-shaped body, a solid core within said body, said core having a downwardly extending substantially cylindrical portion provided with a recess, and an integral angularly disposed portion provided with a recess at the end thereof, said resilient foot-shaped body having integral bosses extending upwardly from the bottom of said foot-shaped body and arranged to enter the recesses in said core, and means for securing the top of the resilient foot-shaped body to the top of the core.

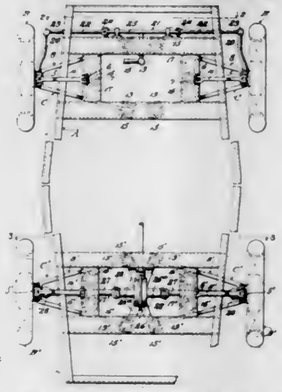
2,075,584
QUICK CHANGEABLE AUTOMOBILE WHEEL
Charles H. Martin, Argos, Ind.
Application June 1, 1936, Serial No. 82,676
5 Claims. (Cl. 301—9)



1. As a component part of a demountable wheel construction of the class described, a hub unit including an annular plate, a marginal rim at right angles thereto, and an annular collar attached to

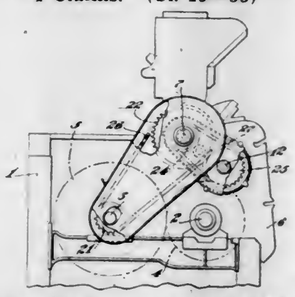
the plate and disposed in concentric spaced relation with respect to the rim, said collar being provided with circumferentially spaced retention lugs, said annulus being further provided with latch accommodation apertures, and pivoted latches mounted on said annulus having detent elements swingable through said apertures.

2,075,585
VEHICLE AND SPRING SUSPENSION THEREFOR
Louis J. Martin, Galveston, Tex.
Application May 11, 1934, Serial No. 725,155
12 Claims. (Cl. 267—20)



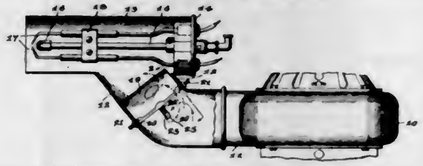
1. In a vehicle, the combination of a frame; an axle bearing; and a spring suspension comprising a link connection between the frame and bearing, a floating member having one of its ends connected to the bearing and having its other end mounted for approximately vertical movements of substantial magnitude, and spring means interposed between the frame and said floating member and positioned to exert opposing pressures on the latter, said link connection and said floating member both extending substantially transversely with respect to said frame.

2,075,586
GIN
Robert W. McLean, Bridgewater, Mass., assignor to Carver Cotton Gin Company, Bridgewater, Mass., a corporation of Massachusetts
Application October 9, 1935, Serial No. 44,238
4 Claims. (Cl. 19—55)



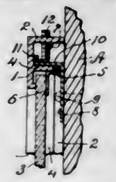
1. A gin mechanism comprising a frame, a rotary saw cylinder, a doffer brush provided with a shaft turning in normally fixed bearings in the frame, a breast structure including a roll box and a rotary float roll in the latter, pivot means defining an axis about which the breast structure may be swung from operative to inoperative position, a bracket device having a bearing for one end of the float-roll shaft, a stub shaft carried by the bracket, the axis of said stub shaft being aligned with the axis about which the breast structure swings, means constraining the bracket device to swing concomitantly with the breast structure about the pivotal axis of the latter, the bracket having therein a cavity in which is housed a pair of coaxial relatively fixed intermediate sprocket wheels arranged to turn about the axis of said stub shaft, a sprocket fixed to the end of the float-roll shaft and also housed in the cavity in the bracket, an endless sprocket chain embracing the latter sprocket wheel and also one of the intermediate wheels, and a drive chain embracing the other intermediate sprocket wheel and turning the latter.

2,075,587
AUTOMATIC DEFLECTOR AND DRAFT REGULATOR
Frederick Mesinger, New York, N. Y.
Application November 23, 1934, Serial No. 754,548
1 Claim. (Cl. 158—1.5)



In combination, a blower, a burner casing, a fuel nozzle disposed axially within the casing and terminating adjacent the forward end thereof, a duct rectangular in transverse section connecting the blower with the burner casing at a point rearward of the forward end of the nozzle and disposed on an obtuse angle to the forward end of the burner casing, a plate disposed in said duct closely adjacent the burner casing, means engaging said plate adjacent one end thereof to pivotally mount said plate in said duct, adjustable weight means carried by said plate and extending outwardly of said duct to gravitatingly maintain said plate at substantially right angles to the length of said duct, the end of said plate opposite from said pivot means being disposed in spaced relation to the adjacent wall of the duct when the plate is in an inclined position, and an adjustable stop member carried by the duct on the side of the plate adjacent the burner casing whereby to limit the forward swinging movement of the plate under the pressure of air from said blower, said plate coacting with said duct in effecting a swirling movement of air about said nozzle at the forward end of the casing.

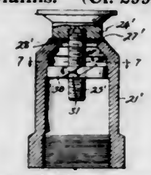
2,075,588
MIRROR AND PICTURE FRAME
Urban R. Meyers, Kansas City, Mo., assignor of one-third to James V. Lewis and one-sixth to Wiles L. Gillespie, both of Kansas City, Mo.
Application June 22, 1936, Serial No. 86,624
11 Claims. (Cl. 40—152)



1. In a device of the kind described, a glass

plate, an annular member having a front wall against which said glass plate bears, said member having a side wall encircling said glass plate, said member having flanges between said glass plate and said side wall holding said glass plate spaced from said side wall, and means engaging said flanges and said glass plate for holding said glass plate against said front wall.

2,075,589
SPRAY HEAD
Elmer G. Munz, Detroit, Mich.
Application April 24, 1933, Serial No. 667,693
24 Claims. (Cl. 299—60)



7. A sprinkling device comprising a body, means for whirling the water in said body, said body being provided with a series of circumferentially spaced grooves extending laterally from the axis of the whirl, a screw extending axially within said body and having a disk-shaped head engaging said grooves, a flange extending outwardly from said body having a portion extending upwardly beyond the head of said screw and having a recess providing clearance for the water projected from said grooves.

16. A spray head for lawn sprinkling systems comprising a body having a seat provided with circumferentially spaced grooves, a cap having annular contact with said seat, but leaving a portion of each groove open sided.

20. A lawn sprinkler head comprising a body and a cap, one of which is provided with circumferentially spaced conically diverging grooves, the body and cap having annular line contact across said grooves.

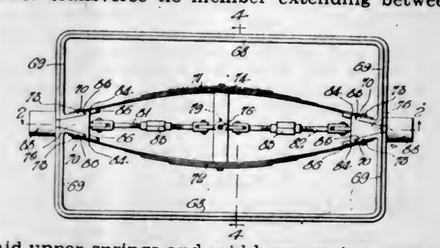
2,075,590
GOLF GREEN OR THE LIKE
Tom Hays North, Jonesboro, Ark., assignor of one-third to Thomas E. Page, Jonesboro, Ark., and one-third to Harold E. Page, Atlanta, Ga.
Application January 28, 1936, Serial No. 61,143
6 Claims. (Cl. 47—48)



1. In artificial green of the character described for installation in a ground surface, a water and moisture reservoir laid in a conforming depression in the ground surface and having openings in its top, an absorbent fabric sheet lying on the top of the reservoir, and a plurality of green-forming layers laid thereon.

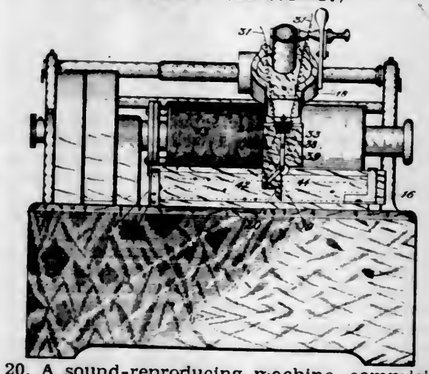
2,075,591
EXPANSIBLE AND CONTRACTIBLE MOLD CORE
Thomas Schuster, Phoenix, Ariz.
Application August 19, 1936, Serial No. 96,876
7 Claims. (Cl. 25—128)

1. A core comprising side walls and end wall sections joined thereto, vertical wedges between said end wall sections for expanding said core, two upper and two lower longitudinal springs connected at their ends with said end wall sections for contracting the mold, an upper and a lower transverse tie member extending between



said upper springs and said lower springs respectively and secured to the central portions thereof, and means mounted on said tie members and connected with said wedges for operating the latter.

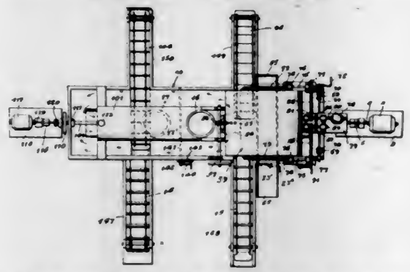
2,075,592
PHONOGRAPHIC DICTATION MACHINE
Robert J. Speir, Takoma Park, Md.
Application November 23, 1933, Serial No. 699,412
25 Claims. (Cl. 274—17)



20. A sound-reproducing machine, comprising a rotatable record member; a reproducer adapted to traverse the record member; an index strip of thin material mounted on edge in predetermined relation to the record member, said strip having notches opening out through its upper edge; an actuator arranged to travel in synchronism with the reproducer, and supported on said upper edge and adapted to traverse the same to successively drop into said notches through their open upper ends, the depth of the notches regulating the depth of the drop that the actuator may be permitted to make, the strip of thin material being mounted on edge to permit the notches to be made as deep as may be desired without adding to the thickness of the strip; an electric circuit; contacts; and an electrically operated indicator in said circuit, said contacts being arranged to travel in unison with the reproducer, whereby to render them stationary relative to the reproducer as it traverses the record member, said contacts being also arranged for aligned movement into and out of contact with each other, whereby to adapt the contacts for abutting engagement with each other; operative connections between the traversing actuator and said relatively stationary contacts to move said contacts into abutting engagement with each other when the actuator drops into a notch of the index strip; means independent of the notches in the index strip for limiting the up-and-down movement of the actu-

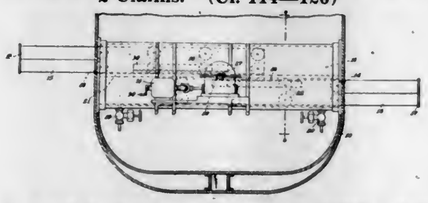
ator when a notch is reached; means independent of the depth of the notches in the index strip for varying the normal distance of the contacts from each other; adjustable means independent of the depth of the notches in the index strip for regulating the distance of the abutting and receding movements of the contacts within the limits determined by the depth of the notches in the index strip; and adjustable means for varying the maximum required depth of the notches in the index strip.

2,075,593
APPARATUS FOR CLEANING COAL OF FOREIGN MATTER
Louis Sveinsson, Shamokin, Pa.
Application April 16, 1934, Serial No. 720,862
5 Claims. (Cl. 209—173)



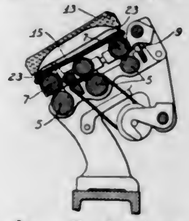
1. In a coal and slate separating apparatus, a tank containing water, a well submerged in the water, said well including a feed chute and a discharge chute, said discharge chute stopping slightly below the water level of the tank, propeller means for circulating a mixture of air and water across the mouth of the discharge chute whereby to separate floatable particles from the coal issuing from the chute, means for removing the floating particles, a bin formed beneath the discharge chute, conveyor means within the bin for removing coal discharged into the bin, the well having a discharge opening in the base thereof, conveyor means therebeneath for removing material discharged therethrough, water inlet means formed in the well establishing communication with the water in the tank, and means for creating a simultaneous oppositely flowing current of water through the well and discharge chute.

2,075,594
STABILIZING MEANS FOR SHIPS
Otto A. Throndsen, Brooklyn, N. Y.
Application May 10, 1935, Serial No. 20,815
2 Claims. (Cl. 114—126)



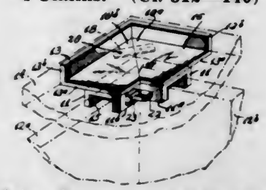
1. Apparatus for stabilizing a vessel, which comprises a water-tight compartment extending transversely entirely through the hull of a ship and open at its opposite ends, cooperating adjacently disposed elements of substantially the width of the compartment, slidably mounted therein and occupying when withdrawn into the compartment substantially the entire volume thereof and each of said cooperating elements bearing a rack member with the teeth of said rack members oppositely directed, an intermediate pinion engaging continuously both of said rack members, power means located exteriorly the compartment and driving said pinion in one direction for simultaneously extending substantially horizontally the respective cooperating elements through the corresponding end openings of the compartment and in the opposite direction for simultaneously retracting the same wholly within said compartment.

2,075,595
CLEARER
Harold Burton Whiting, Peabody, Mass., assignor to A. C. Lawrence Leather Company, Peabody, Mass., a corporation of Maine
Application July 9, 1934, Serial No. 734,264
6 Claims. (Cl. 19—139)



6. A clearer for roll of spinning and drawing frames and the like, having a roll-engaging surface of fibrous material treated directly with an electrically conductive material and a hygroscopic material to prevent electrification of the roll.

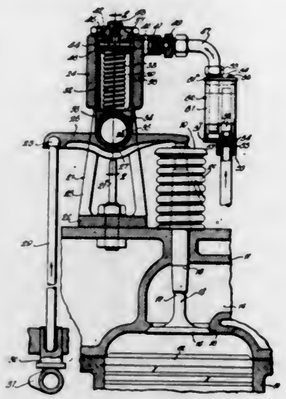
2,075,596
SAFETY CLAMP FOR HOLDING PANES OF GLASS OF SHOWCASES AND THE LIKE
Gustav F. Wild, Flushing, N. Y., and Bernhardt Nielsen, Ridgefield, N. J.
Application September 3, 1936, Serial No. 99,222
4 Claims. (Cl. 312—140)



2. A safety clamp comprising a pair of adjacent members each comprising a channel portion for engaging on the top edge of a vertical pane of glass and a flange portion fixedly attached on said channel portion for engaging the edge of a top horizontal pane of glass, and said members having adjacent sides cut at 45° and engaging each other and jointly forming a right angle clamp in plan view, and means for holding said members together, including a spring element mounted on one member and supporting a peg engageable in a receiving opening in the other member.

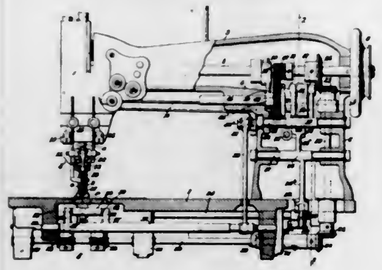
2,075,597
INTERNAL COMBUSTION ENGINE
Victor F. Zahodiakin, Cincinnati, Ohio
Application June 12, 1934, Serial No. 730,281
7 Claims. (Cl. 123—90)

1. In an internal combustion engine, an engine body including a cylinder block and head, a spring seated valve for said cylinder including a stem, an operating means for said valve in constant contact with the end of the stem of said valve, a hydraulic device for maintaining said operating means in contact with the valve stem, an oil supply pipe connected to said device for delivering oil



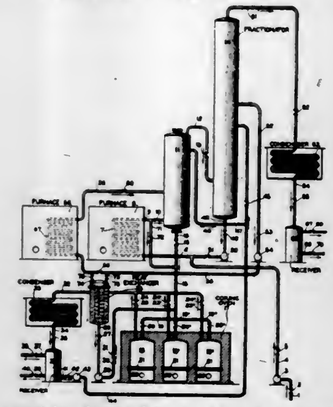
under pressure to said device, an auxiliary supply tank in said pipe, the inlet to said tank being above the outlet thereto, and a check valve at the inlet to said supply tank, whereby air is trapped at the upper end of the tank and compressed by the oil.

2,075,598
SEWING MACHINE
Sydney Zonis, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 25, 1936, Serial No. 60,748
20 Claims. (Cl. 112—215)



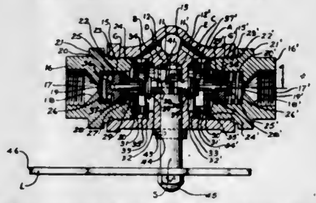
1. In a sewing machine having a reciprocatory needle and a rotary shaft adapted to reciprocate said needle once for each rotation of the shaft, a feeding mechanism including an endwise reciprocable and vertically movable feeding element; means to reciprocate said element; and means to raise and lower said feeding element including a feed-lift rock-shaft; a rotary crank; speed reduction gears connecting said shaft and crank to rotate the crank from said needle-reciprocating shaft once for each three rotations of the shaft; and an operative connection between said crank and said rock-shaft including a plurality of serially arranged dwell-producing means adapted to delay the effective actuation of said rock-shaft until after two reciprocations of said needle.

2,075,599
CONVERSION AND COKING OF HYDROCARBON OILS
Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 8, 1933, Serial No. 679,489
9 Claims. (Cl. 196—56)



3. A combined cracking and coking operation which comprises heating a mixture of hydrocarbon oil and solid carbonaceous material to relatively mild conversion temperature while flowing in a restricted stream through a heating zone, separating the heated mixture into vapors and residue in a separating zone, removing the residue from the separating zone and reducing the same to coke in a coking zone, condensing the vapors evolved in the coking zone independently of the initially separated vapors and introducing resultant condensate into contact with the initially separated vapors, fractionating the latter and separating relatively heavy and light reflux condensates therefrom, returning such heavier reflux condensate to the heating zone, heating the lighter reflux condensate in a second heating zone to higher conversion temperature than the mixture in the first-mentioned heating zone and then introducing the same to the separating zone, and finally condensing the fractionated vapors.

2,075,600
VALVE
Harry J. Baker, Indianapolis, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application January 9, 1934, Serial No. 705,849
30 Claims. (Cl. 277—20)



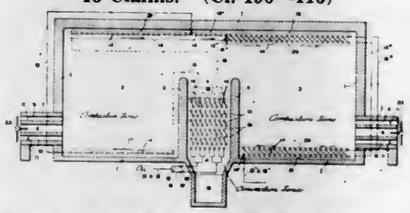
6. A valve comprising a body provided with a cavity having an opening through the bottom wall thereof; a bushing coupled to said body in said cavity and having a bore constituting a valve chamber; a wall at the inner end of said chamber having a port; a valve in said chamber con-

trolling said port; spring means in said chamber tending to seat said valve; and means for unseating said valve comprising a pressure-transmitting element extending through said opening in said bottom wall, a diaphragm bearing against said element and providing a seal between said port and said opening, a stem connected to said valve and bearing against said diaphragm, and means for operating said element.

2,075,601
HEATING OF FLUIDS

Marion W. Barnes, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application June 7, 1934, Serial No. 729,364
13 Claims. (Cl. 196—116)

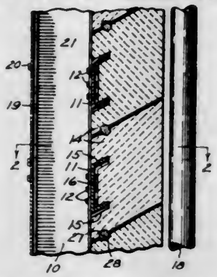


12. In the subjection of hydrocarbon oils to conversion temperatures in a furnace having a pair of independently fired combustion and radiant heat zones, the method which comprises passing a stream of oil adjacent the floor and another stream adjacent the roof of one of said zones, then combining the streams and dividing the resultant mixture into separate portions, and subjecting these portions to substantially equal heating conditions in the other of said zones.

2,075,602
FURNACE WALL STRUCTURE

George W. Davey, Worcester, Mass.

Application August 25, 1934, Serial No. 741,452
In Great Britain August 28, 1933
15 Claims. (Cl. 72—101)



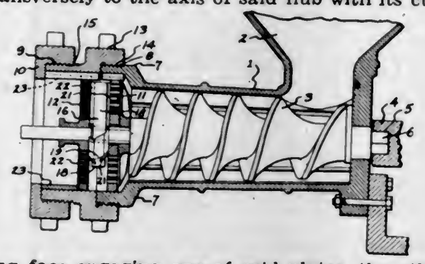
1. A furnace wall structure comprising a row of spaced vertical columns, a series of vertically spaced horizontal beams carried by said columns, and a plurality of rows of refractory blocks removably carried by said beams, said beams including detachable sections located between said columns and removable from the wall structure outwardly thereof to provide spaces between the remaining sections of the beams for removal of blocks outwardly of the wall.

2,075,603
MEAT GRINDER AND CUTTING KNIFE THEREFOR

George Dirr, Cincinnati, Ohio

Application September 15, 1934, Serial No. 744,230
3 Claims. (Cl. 146—187)

1. In a meat grinder having a plurality of stationary perforated plates through which the meat is forced, a rotary cutter knife mounted for rotation between a pair of said plates comprising a hub having a plurality of blade holding arms extending from said hub, and pairs of blades mounted on each of said arms, one of said blades extending out beyond said holding arms and transversely to the axis of said hub with its cut-

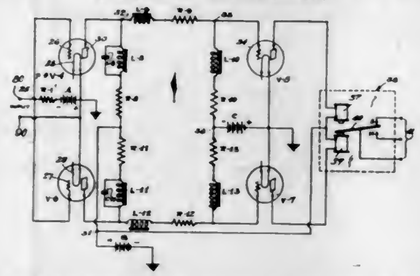


ting face engaging one of said plates, the other blade extending out beyond said holding arms and transversely with its cutting face engaging the other of said plates, and the peripheral surfaces of said arms spaced away from the cutting face of said blades and inclined so as to form a pocket between said blades and to advance cut meat in the direction of its feeding movement.

2,075,604
ELECTRONIC AMPLIFIER

William G. H. Finch, New York, N. Y.

Application November 11, 1935, Serial No. 49,220
6 Claims. (Cl. 178—88)

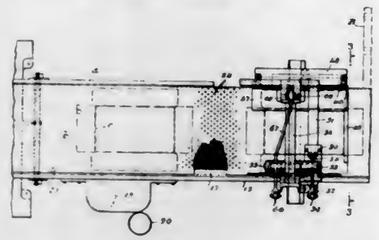


6. In an amplifying circuit, a plurality of pairs of amplifying electron stream paths, each path including a cathode, anode and control electrode; a common anode potential source for all of said paths; a second potential source common to a plurality of said paths and connected to said anode source; a metallic connection including a first resistance and first reactance extending from the anode of each path of the first pair of said electron paths to the control electrode of the next succeeding electron path; a connection extending from the cathode of each path to the interconnection between said sources; circuit connections including a second resistance and second reactance extending from a plurality of said anodes to a terminal of said anode source; further circuit connections including a third resistance and third reactance extending from the control electrodes of a plurality of said paths to a terminal of said second source, all of said circuit connections controlling the application of the anode potential to their respective anodes and maintaining a predetermined bias potential on their respective control electrodes; said first, second and third reactances forming a selective frequency network for by-passing all frequencies except a predetermined band from the anode of each of said electron paths to the control electrode of the next succeeding path.

2,075,605
MACHINE FOR COVERING BOXES AND THE LIKE

Paul W. Fleischer, Weehawken, and Franz J. Hammer, North Bergen, N. J., assignors to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey

Application February 27, 1936, Serial No. 65,988
10 Claims. (Cl. 93—54.2)

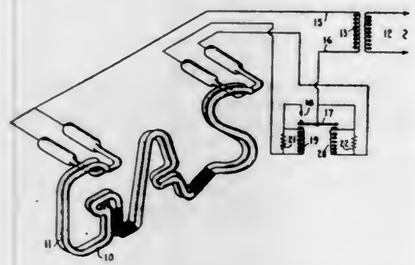


1. The combination of a travelling support pervious to suction for conveying elements in the performance of operations involving said elements, means for developing suction at the carrying surface of said support sufficient to hold said elements on said support for movement therewith but insufficient to materially interfere with sliding movements of said elements relatively to said carrying surface of the support, and means for developing a shifting force upon said elements sufficient to overcome the suction hold thereon whereby said elements are shifted upon and relatively to said surface in a step of said operations without arresting said suction.

2,075,606
GASEOUS DISCHARGE LAMP APPARATUS

William Foerste, Pelham Manor, N. Y., assignor, by direct and mesne assignments, to Packard Properties, Inc., New York, N. Y., a corporation of New York

Application January 4, 1935, Serial No. 407
3 Claims. (Cl. 177—346)

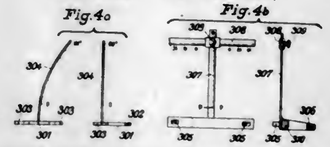


1. In a display sign, a positive column gaseous discharge tube of predetermined contour adapted when energized to emit a predetermined optical effect, a second positive column gaseous discharge tube of substantially the same contour and adapted when energized to emit a different optical effect, means to mount said tubes with their contours aligned and adjacent, and to be visible from at least two angles, and means to alternately energize said tubes whereby when viewed from the front the contour design continuously is displayed but in varying optical effects, and when viewed from the side an animated effect is displayed.

2,075,607
MOLDING APPARATUS

Heinrich Griesel, Berlin, Germany

Application April 27, 1932, Serial No. 607,727
In Germany April 28, 1931
9 Claims. (Cl. 25—121)

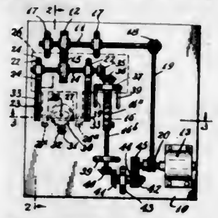


1. A mold device comprising a sectional mold member, at least one of the sections forming the mold member being adjustable to the vertical, and an adjustable mold box on said mold member comprising replaceable sections, whereby other sections may be substituted to vary the configuration of the molded article.

2,075,608
KNIFE SHARPENER MACHINE

Morris Handelman, Brooklyn, N. Y.

Application October 24, 1936, Serial No. 107,437
4 Claims. (Cl. 51—80)



1. A knife sharpener machine comprising a base, a shaft supporting a grindstone and rotatively mounted on said base, means for driving said shaft, a second shaft supporting a second grindstone cooperative with said first grindstone for sharpening knives and other implements, said second shaft being rotatively and adjustably mounted on said base, means for holding said second shaft in various positions for changing the cooperative relation of said grindstones, and means for driving said second shaft flexible to operate in all adjusted positions of said second shaft, said means for driving said shaft comprising a motor mounted on said base and a driving mechanism between said motor and shaft, said means for driving the second shaft comprising a driving mechanism connected with said motor and with said second shaft.

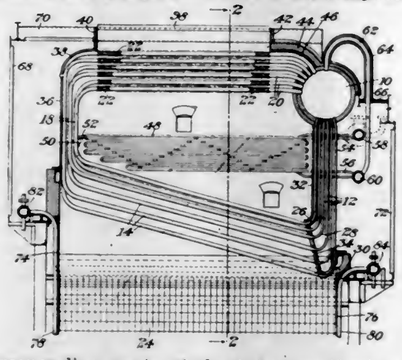
2,075,609
STEAM BOILER

Isaac Harter, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey

Application November 21, 1930, Serial No. 497,109
Renewed December 14, 1934
17 Claims. (Cl. 122—331)

1. A water tube steam boiler comprising, in combination, a single drum, a plurality of independent circulation circuits leading to and from the drum, a single continuous tube constituting each independent circulation circuit and expanded into the common drum at both ends, corresponding parts of the tubes comprising a downcomer section located beneath the drum, means for shielding the downcomer section from contact with furnace gases, a group of corresponding parts of the tubes constituting a riser section remote from the downcomer section and delin-

eating with the downcomer section a single upright gas pass, a second group of corresponding parts of the tubes constituting a low level tube bank connecting the riser into the downcomer sections, and a high level tube bank composed of



corresponding parts of the tubes continuing the circulation from the upper part of the riser section whereby the furnace gases must pass the high level tube bank and the lower level tube bank in series.

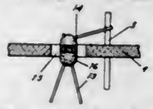
2,075,610
STOCKING
Anna Smith Hemingway, New York, N. Y.
Application July 31, 1935, Serial No. 33,947
1 Claim. (Cl. 66—182)



A full-fashioned stocking having a sole portion knitted of a body thread, a central seam longitudinally of the sole portion, and two additional threads knitted into the sole portion in plaiting relation to said body thread, one on each side of said seam and terminating short of said seam whereby to reduce the ridge formed thereby, said threads being of a softer material than said body thread and being limited to the metatarsal portion of the sole whereby to form a cushioning pad for the metatarsal portion of the foot.

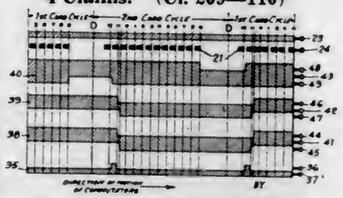
2,075,611
ELECTRON DISCHARGE TUBE AND THE LIKE
Eugene J. Hoffman, St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application August 14, 1936, Serial No. 95,981
5 Claims. (Cl. 250—27.5)

1. In a radio tube mount the combination of, a filament having a bight portion, a filament tensioning member having a hook engaging said



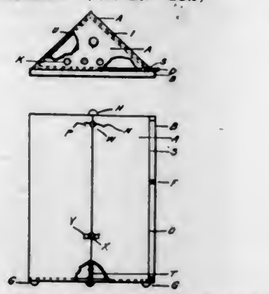
bight, and a solid mass of refractory material rigidly bonding said bight to said hook.

2,075,612
SORTING MACHINE
Wilhelm A. Hoffmann, Berlin-Karlshorst, Germany, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 19, 1935, Serial No. 2,465
In Germany July 2, 1934
4 Claims. (Cl. 209—110)



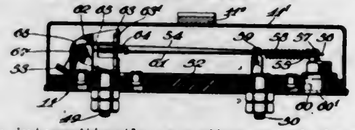
1. In a sorting machine, having a record analyzing station and a record receiving station, means to feed analyzed records from the first-named station to the second-named station, a record displacing device located at said receiving station and operable to displace an analyzed record transversely of its line of travel and in its own plane an extent less than the dimension of the record in the direction of displacement whereby certain records may be caused to project beyond the other records at the receiving station, said device including a magnet for operating said device, a selector device presettable to be responsive to predetermined designations in the records as they pass the analyzing station, a pair of control circuits for said magnet, each responsive to control by the selector device, and a commutator device operable to connect said circuits to the selector device alternately whereby said circuits are rendered effective in alternate cycles.

2,075,613
DISPLAY ADVERTISING DEVICE
Philip Horinstein, Chicago, Ill.
Application November 8, 1934, Serial No. 752,101
2 Claims. (Cl. 40—132)



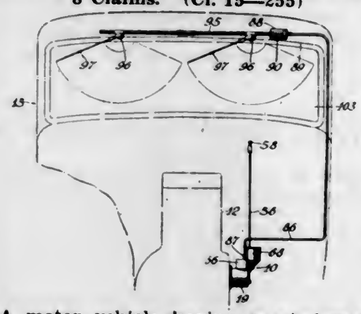
1. In a display device, a casing substantially triangular in cross section and including side walls intersecting at the rear of said casing and a light-penetrable front wall having a coating of light-reflective material on the inner side thereof providing a light-reflective mirror, a light-reflective opaque mirror arranged upon and coextensive with the inner surface of each of the other two side walls of said casing, and a source of light in the said casing, said light source being arranged adjacent the top of said casing and in a vertical plane passed through the point of intersection of the said side walls and the vertical center line of the said front wall whereby when the said light source is energized the image of an object disposed in the said casing, below the said light source but in the said plane will be multiplied by the said mirrors and the images thus created will be pyramided one upon the other so as to create the optical illusion in the eye of an observer viewing the casing through the said light-penetrable front wall of the same that a plurality of said objects are in reality disposed therein.

2,075,614
ELECTRIC SWITCH
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application May 10, 1933, Serial No. 670,356
10 Claims. (Cl. 200—113)



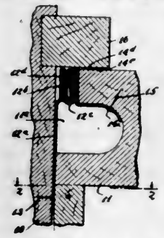
1. An intermittently operating switch for electric circuits comprising spaced stop members, a circuit connection with one of said members, a contact member movable back and forth between said stop members for opening and closing a circuit through the specified one of said stop members, an oscillatable actuator, means for pivotally mounting the actuator for back and forth movement, resilient means connecting the contact member to said actuator and movable by the latter back and forth beyond a median position to dispose the resilient means at opposite sides of such median position for effecting the back and forth movements of said contact member, means for adjusting the pivotal axis of said actuator, thermally expansive means connected to said actuator for moving the latter in one direction of oscillation, circuit connections for such thermally expansive means, and means for urging the actuator in the opposite direction of oscillation when permitted by said thermally expansive means.

2,075,615
WINDSHIELD CLEANER
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application June 15, 1933, Serial No. 676,007
8 Claims. (Cl. 15—255)



1. A motor vehicle having a window and a variable speed shaft, a reciprocable wiper for the window, transmission means operatively connecting the wiper to the shaft to be driven thereby, speed responsive governor means included in the transmission means and arranged adjacent the variable speed shaft for limiting the maximum speed of operation of the wiper, and manually adjustable control means connected to the governor means and extending from the latter to a position for being operated from the driver's seat to vary the maximum speed responsiveness of said governor means for varying the maximum speed of the wiper operation.

2,075,616
METAL WEATHER STRIP FOR MECHANICALLY BALANCED WINDOWS
Fred W. Kammerer, New York, N. Y.
Application April 1, 1936, Serial No. 72,033
5 Claims. (Cl. 20—69)

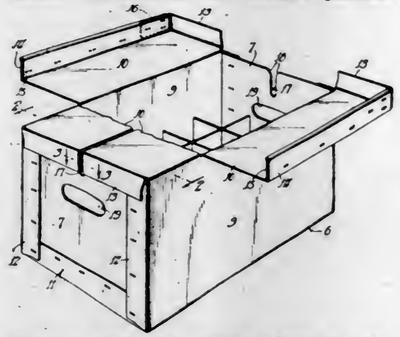


1. The combination with a window frame and a sash slidably mounted therein, said sash having a completely grooved edge, of a frame strip having a broad base portion attached at one edge upon said frame and extending across said grooved edge and continuing into an inward offset portion which continues into a U-shaped socket portion, and a sash strip having a portion attached within said groove and extending outwards and continuing into a narrow base portion parallel to said offset portion and which continues into a plug portion adapted to slidably engage said socket portion, and a face portion continuing from said plug portion and engaging the face of said sash, said face portion having an edge turned inwards towards said sash, and a plurality of tongues stamped from said strips, the tongues from one strip engaging portions of the other strips for frictionally and resiliently holding the strips relative to each other.

2,075,617
CONTAINER
Charles B. Kilmer, River Forest, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application October 25, 1935, Serial No. 46,645
1 Claim. (Cl. 229—43)

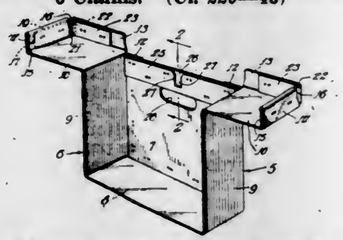
A shipping container comprising a bottom, side walls and end walls, a closure for the container, said closure comprising a pair of cooperating panels hinged respectively to the upper edges of the side walls and meeting along substantially the center line of the container when in closed position, flap extensions at the ends and meeting sides of the closure panels adapted to be folded at right angles to the panels to form downturned flanges, extensions on the end flaps at the corners of the closure panels, means securing such extensions to the longitudinal flanges on the closure, each longitudinal flange having an extended edge thereon folded inwardly of the panel, being secured on the inner face of the said flange and

embracing the inturned flap extension on the end flanges, the end walls of the container being provided with slots to receive the inturned flap extensions on the flanges at the ends of the closure panels, said slots being of a depth greater than the height of the flange and extension whereby the under surfaces of the closure panels will



rest directly upon the upper edges of the end walls the length of the extended edge on the longitudinal flange of the closure being such that the ends of said extended edge will lie within the confines of the end walls of the container whereby the ends of the extended edge portion do not enter the slots and the width of the slots is minimized.

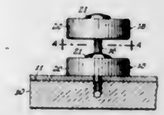
2,075,618
CONTAINER
Charles B. Kilmer, River Forest, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application August 3, 1936, Serial No. 94,050
6 Claims. (Cl. 229—43)



3. A shipping container comprising a bottom, side walls and end walls, cover panels hinged to the side walls and substantially meeting centrally of the container, flanges along the ends and longitudinal edges of the cover panels, the ends of the longitudinal flanges terminating to lie within the confines of the end walls and the end flanges being adapted to lie on the outside of the end walls whereby a space between the flanges at the corners of the cover will be provided to receive the end wall, means for maintaining the flanges in substantially right-angular relationship to the plane of their respective cover panels, whereby the end walls of the container will be firmly gripped by the cover flanges at the corners of the cover panels.

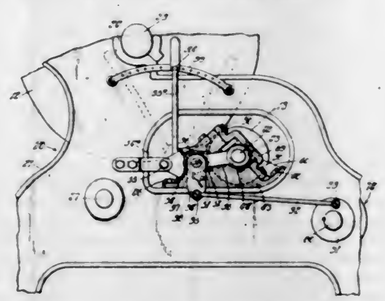
2,075,619
GAME APPARATUS
Alexander Klemin, New York, N. Y.
Application December 16, 1935, Serial No. 54,625
2 Claims. (Cl. 273—137)

1. In a game apparatus, playing-piece supporting means including a plurality of shaft-like stems each having a head portion and a shank portion, the head portion presenting a greater cross-sectional dimension than the shank portion, a complement of playing pieces, each having an aperture and a communicating slot, the aperture being of a size adapting it to accommo-



date both of said stem-portions and the slot being of a width adapting it to accommodate only said shank portion of said stem, and a supporting element carried by each of said stems for maintaining thereon any one of said playing pieces in an elevated playing position.

2,075,620
COATING APPARATUS
Colin Malcolm Mackenzie, Wabash, Ind., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application January 2, 1936, Serial No. 57,128
5 Claims. (Cl. 91—51)



1. An apparatus for applying a liquid coating composition to sheets comprising, in combination, a sheet carrying cylinder, means for rotating said cylinder, a rotatable applicator roll, a normally stationary doctor roll for the applicator roll, means for mounting said applicator roll for bodily movement toward and from the face of the sheet carrying cylinder, pressure means arranged to constantly urge the applicator roll bodily in the direction of and into contact with the sheet carrying cylinder, and means arranged to periodically move the applicator roll bodily away from and out of contact with the sheet carrying cylinder, and means for imparting a periodic motion to said doctor roll while said applicator roll is out of contact with said sheet carrying cylinder.

2,075,621
KNITTING DEVICE AND METHOD OF KNITTING
Lillian M. Miller, Fort Harrison, Mont.
Application July 22, 1936, Serial No. 91,982
3 Claims. (Cl. 66—117)

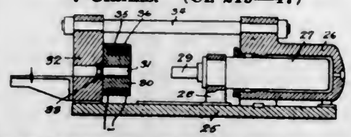
1. In a device of the type described, the combination of a knitting needle having a tapered end, a crochet type needle having a hollow shaft open at one end and of suitable size to hold the knitting needle without frictional contact between the surface of the needle and the inside surface of the

hollow shaft, the knitting needle being easily removable, and being only of substantially the same



length as the hollow shaft in which it is removably mounted.

2,075,622
EXTRUSION PRESS WITH ELECTRICALLY HEATED CONTAINER
Hermann Nehlsen, Meererbusch, near Dusseldorf, Germany, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany, a corporation of Germany
Application October 11, 1935, Serial No. 44,543
In Germany February 15, 1932
7 Claims. (Cl. 219—47)



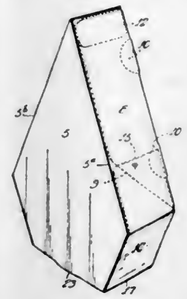
1. In an extrusion press in combination with a billet container a heating coil therefor coaxial with the container bore and means for feeding to said coil alternating current of low frequency thereby producing induction currents within said container uniformly heating the inner surface thereof.

2,075,623
ZINC PLATING
Floyd F. Oplinger, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application November 12, 1934, Serial No. 752,704
19 Claims. (Cl. 204—18)

1. A process for electroplating zinc comprising preparing an aqueous solution containing zinc cyanide, alkali metal cyanide and an alkalining agent, treating said solution to substantially completely precipitate soluble heavy metal impurities therefrom and thereafter employing the purified solution as electrolyte to electroplate articles of electrically conductive material at a cathode current density sufficiently low to obtain a cathode current efficiency not lower than about 90%.

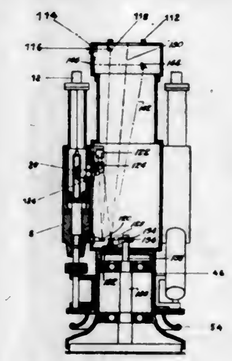
2,075,624
CONTAINER
Earl C. Potter, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application February 13, 1936, Serial No. 63,680
3 Claims. (Cl. 229—22)

2. A carton of the class described having two oppositely disposed pentagonal sides of symmetrical form having two edges converging upwardly to a peak, a base edge, and two edges converging downwardly from the first-mentioned edges to meet the edges of the base, said downwardly inclined edges being substantially parallel respectively to the alternately disposed upper inclined edges, a side wall joining two of the upper inclined edges of the pentagonal walls, a second side



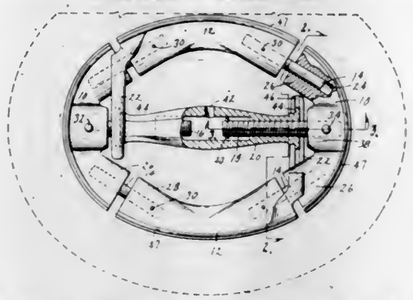
wall joining two adjacent lower inclined edges of the pentagonal walls opposite and parallel to the first-mentioned side wall, a closure flap on one of the pentagonal walls at the base, and a closure flap on the first-mentioned side wall adapted to close the space between the pentagonal walls along the remaining lower inclined edges thereof opposite the second-mentioned side wall.

2,075,625
TORSION BALANCE
Erwin Roux, Berlin-Friedenau, and Hermann Imhof, Berlin-Steglitz, Germany, assignors to Askania-Werke Aktiengesellschaft, Berlin-Friedenau, Germany, a corporation of Germany
Application July 26, 1932, Serial No. 624,776
In Germany July 29, 1931
8 Claims. (Cl. 265—1.5)



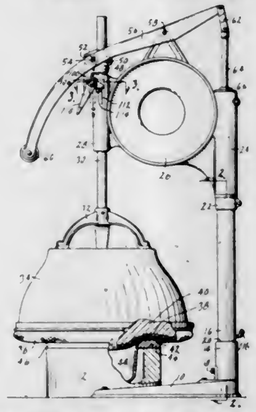
1. Torsion balance apparatus comprising, in combination, a support housing having viewing means at its upper portion and transparent portions spaced about its side walls; means on the exterior of said housing adjacent each of said transparent portions for detachably mounting a torsion balance thereon as a unit; and means within said housing for receiving beams of light from each of said units reflected through said transparent portions and projecting said beams upon said viewing means.

2,075,626
HAT STRETCHER
Harry Schlesinger, Des Moines, Iowa, assignor of one-half to Alfred F. Yoerg, Des Moines, Iowa
Application November 18, 1935, Serial No. 50,399
5 Claims. (Cl. 223—15)



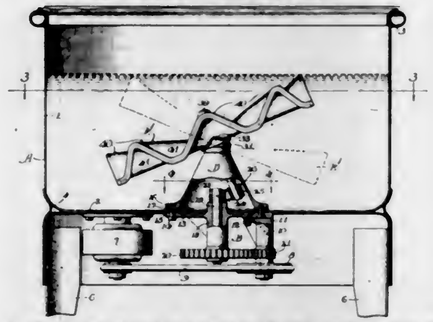
1. In a hat stretcher, an oval shaped hat block comprising a pair of curved side members and a pair of curved end members, slidable connections between the ends of said side and end members, the sliding axes being at an acute angle relative to the longitudinal axis of the hat block, means for moving said end members toward or away from each other along said longitudinal axis and thereby moving said side members by means of said slidable connections and means rigid relative to said side members and projecting therefrom, and engaging said last means to prevent misalignment of said members relative to each other and equalize the movement of the side members relative to each other, and in proportion to the adjustment of the end members.

2,075,627
SANDBAG SUPPORT
Harry Schlesinger, Des Moines, Iowa, assignor of one-half to Alfred F. Yoerg, Des Moines, Iowa
Application November 18, 1935, Serial No. 50,400
9 Claims. (Cl. 223—12)



1. In a sand bag support, a base, a post extending upwardly therefrom, a sand bag, a vertical shaft connected with said sand bag, said post supporting said shaft for sliding movement, a lever pivoted to said post and to said vertical shaft for lowering said sand bag by swinging said lever, a latch for retaining said sand bag in lowered position, a spring within said post and connected with said lever for raising said sand bag when said latch is released and hydraulic means within said post to check the movement upwardly of said sand bag.

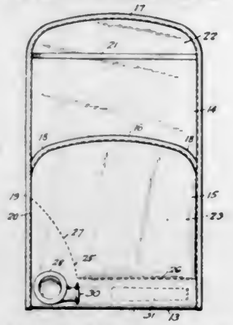
2,075,628
WASHER
Joseph Sekavec, Chicago, Ill., assignor, by direct and mesne assignments, to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application December 9, 1932, Serial No. 646,393
Renewed February 12, 1936
18 Claims. (Cl. 259—102)



1. In a washing machine of the character described, the combination of a tub adapted to contain the washing fluid and clothes to be washed and having a cylindrical, substantially vertical side wall and a bottom, an impeller substantially centrally positioned within and a substantial distance above the bottom of the tub and to be submerged below the level of the water in a quiescent state and comprising a disc member of appreciable diameter but substantially spaced from the wall of the tub to provide for the free circulation of the clothes around and beneath the impeller, a hollow standard upstanding from the bottom of the tub, a support for said disc member maintaining said member in a plane at an angle to said water level, said support being fulcrumed on and extending into the interior of said standard, and means within the standard for revolving said support in a circular orbit about the vertical axis of its fulcrum for imparting a bodily movement to the disc member while maintaining its angular relation to the water level.

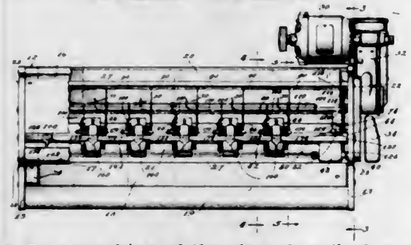
2,075,629
COMBINED TOBACCO POUCH AND PIPE HOLDER
Nathaniel H. Singer, New York, and Jack Sherman, Brooklyn, N. Y.
Application December 18, 1935, Serial No. 55,002
14 Claims. (Cl. 206—41)

1. A tobacco pouch and pipe holder including a tobacco compartment and a pipe compartment, comprising a sheet of foldable material folded to form a front wall having a foldable flap thereon, a rear wall terminating below the flap and a bend integrally joining said walls and forming one of the ends of the pouch, the pipe compartment being arranged in part below the tobacco compartment and having the remainder thereof arranged at one side of the lower part of the tobacco compartment, a single line of stitching extending transversely across the pouch and separating said compartments, and means for retaining the stem of a pipe in place below said stitching and for positioning the bowl of the pipe rearwardly of the tobacco compartment and against the rear surface of said rear wall, said pouch being foldable with the pipe therein along a transverse line adjacent the stitching and being again foldable along another transverse line above the stitching and above the level of the tobacco in the tobacco compartment when said



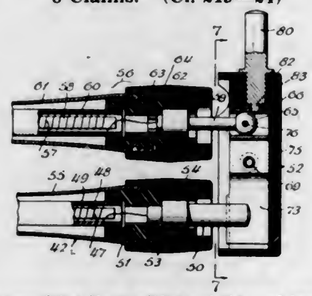
level is above the top of the pipe bowl in the pipe compartment, said pipe compartment and all parts of the pouch in front of and behind the pipe compartment being inaccessible to the tobacco in the tobacco compartment.

2,075,630
MULTIPLE CHECK SIGNER
Ole Slettevold, Chicago, Ill., assignor to The Hedman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 7, 1932, Serial No. 597,289
15 Claims. (Cl. 235—91)



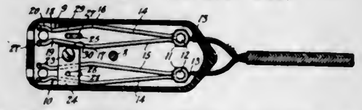
14. In a machine of the class described, a plurality of printing members, means for operating said members simultaneously to impress signatures upon a plurality of checks, a single register having an operating element, and means moved by each of said members effective sequentially to actuate said register operating element.

2,075,631
MEANS FOR MAKING PERMANENT WAVES
Karl Georg Ströher, Rothenkirchen, Germany
Application November 15, 1933, Serial No. 698,041
In Germany January 19, 1933
8 Claims. (Cl. 219—24)



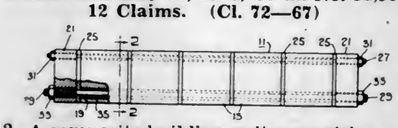
2. In combination with an internal heating element and a clamp adapted to be placed over said internal heating element; an external heating element carried by said clamp and comprising a conducting wire, an insulator surrounding said wire, a post connected with said wire and a clamp carried by said post and adapted to come in contact with said internal heating element.

2,075,632
PLUG ELECTRIC SWITCH
Milton Zuckerman, New York, N. Y., assignor to Irving Haas, New York, N. Y.
Application November 26, 1935, Serial No. 51,666
2 Claims. (Cl. 173—328)



1. A plug electric switch including a plug formed with a casing having a pair of openings in one side and a pair of openings in one end, said openings being adapted to receive plug terminals at different times, a pair of terminals arranged in said casing, each of said terminals being formed with a pair of resilient bars merging into an inner structure presenting a pair of socket formations, said inner structure including a pair of bars inclined toward each other and at their point of nearest approach merging into a pair of facing arc-shaped socket ends, one socket formation normally positioned on each side of the aperture in the side of the casing and the other socket formation on each side of the aperture in the end of the casing, and a cam for each terminal positioned to straddle said inclined bars so that when moved in one direction it will move the socket structure into plug engagement position and lock the same in that position.

2,075,633
REENFORCED CERAMIC BUILDING CONSTRUCTION AND METHOD OF ASSEMBLY
Frederick O. Anderegg, Newark, Ohio
Application May 27, 1936, Serial No. 81,993
12 Claims. (Cl. 72—67)

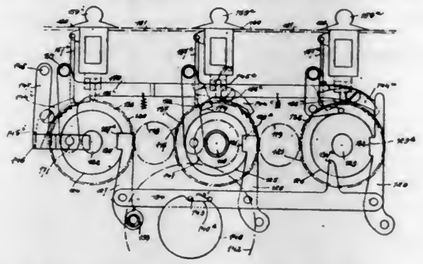


12. A composite building unit comprising a plurality of shaped blocks of high compressive strength positioned in end-to-end aligned relation, bonding means cured under compression between contiguous faces of adjacent blocks, and at least one tension rod extending through the assembly of blocks and effective to maintain the aligned blocks under compression greater than the compression of same during the stage of curing of said bonding means.

2,075,634
AUTOMATIC TELEPHONE APPARATUS
Alfred Boyé, Paris, France
Application June 8, 1933, Serial No. 674,792
In France June 14, 1932
1 Claim. (Cl. 179—90)

In an automatic telephone apparatus, the combination of a plurality of rotary cylinders, each cylinder having an exterior surface provided with a plurality of elongated embossings, a plurality of projecting members, a separate one of said

projecting members being situated at an end of each of said embossings, a plurality of levers, each of said levers being adapted to be moved by some of said projecting members, a plurality of other levers, each of the second-mentioned levers being adapted to be moved by a separate one of the first-mentioned levers, mechanical clutching and disengaging means adapted to be actuated by the second-mentioned levers to cause



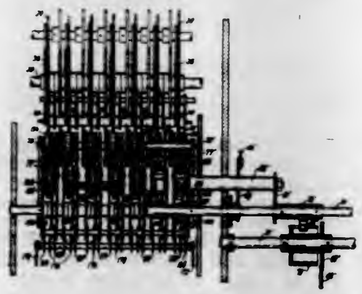
one of said cylinders to begin its rotation as soon as the rotation of another one of said cylinders has been terminated, a plurality of switches, the number of said switches being equal to that of said cylinders, a separate one of the first-mentioned levers being pivotally mounted on a separate one of said switches, and means connected with said switches and actuated by the first-mentioned levers to create impulses of electrical energy in electrical circuits.

2,075,635

CASH REGISTER, ACCOUNTING AND THE LIKE MACHINE

Ernst Breitling, Berlin-Tempelhof, and Julius Patzelt, Berlin, Germany, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application September 5, 1935, Serial No. 39,209
In Germany November 7, 1934
6 Claims. (Cl. 235—7)



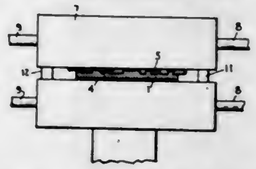
3. In a machine of the class described, the combination of two totalizers and a mechanism to transfer a total from one totalizer to the other totalizer, said mechanism including a differential means movable from a normal position and return, a pinion common to both totalizers, means to engage and disengage the pinion with the differential means, a plurality of coupling means, one to couple the pinion to one totalizer during the initial movement of the differential means and the other to couple the other totalizer with the pinion during the return movement of the differential, and means to alternately move the coupling means into coupling position.

2,075,636

ART OF MOLDING AND MATRIX

Theodore C. Browne, Hinsdale, Ill.

Application May 10, 1933, Serial No. 670,238
7 Claims. (Cl. 18—55)



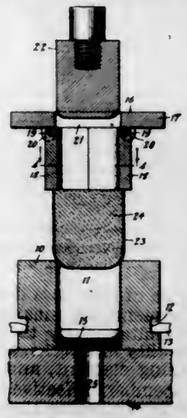
4. The method of producing a running printing plate of thermo-active material, which comprises the step of applying heat and pressure to said material, while in contact with a printing character-forming mold face of relatively soft, elastic material.

2,075,637

TRANSFORMING DIE

Benjamin Burvenick, Richmond Hill, N. Y., assignor to Lalance & Grosjean Corporation, New York, N. Y., a corporation of New York

Application February 20, 1936, Serial No. 64,912
9 Claims. (Cl. 113—44)



1. A transforming device comprising a die having a recess conforming to the exterior contour of the article to be formed, a pressure element movable with respect to the die and having movable means which in normal position serve to engage and force a hollow blank filled with conformable substance into said recess, and a second pressure element movable with respect to said die and said pressure element which acts on said means to move the same out of engagement with said blank, and also to exert pressure on said substance while said blank is in said recess, to transform the blank into an article approximating the shape of said recess.

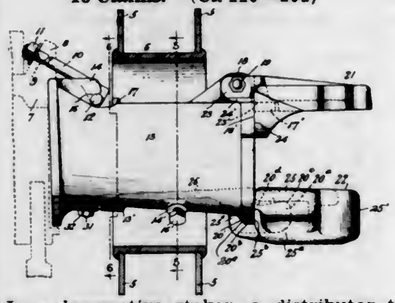
2. In a transforming device, a movable pressure element having an opening therein, and also having movable pressure sections at said opening pivoted thereto, said sections being engageable with a blank to force the same into a die recess upon the movement of said element with respect thereto, and means movable through said opening to cause the movement of said sections out of engagement with said blank.

2,075,638

LOCOMOTIVE STOKER

Washington T. Capps, Baltimore, Md., assignor by mesne assignments, to The Standard Stoker Company, Inc., a corporation of Delaware

Application April 5, 1932, Serial No. 603,331
Renewed July 5, 1935
13 Claims. (Cl. 110—101)



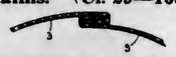
1. In a locomotive stoker, a distributor tube having a forward discharge end, a distributor plate at the bottom of the discharge end of the tube, and a deflector plate at the top of the discharge end of the tube, the tube and deflector plate having supporting and attaching portions comprising an extension from the forward end of the tube and abutment surfaces at opposite sides thereof, coacting supporting and abutment portions on the deflector plate, fastening lugs on the tube and plate, and fastening means connecting said lugs.

2,075,639

ELECTRODE FOR THERMIONIC DISCHARGE DEVICES

Chester W. Castle, Maplewood, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application January 25, 1935, Serial No. 3,497
3 Claims. (Cl. 29—163.5)



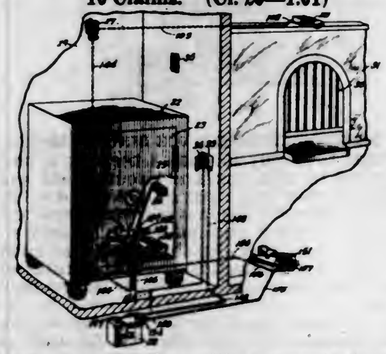
1. In the art of seaming a wire mesh screen, the method comprising overlapping two portions of the screen to be seamed, and swaging spaced portions of the screen along the overlapped seam.

2,075,640

PROTECTION SYSTEM

Enos Cornwall, Kansas City, Mo.

Application March 22, 1933, Serial No. 662,071
10 Claims. (Cl. 20—1.01)



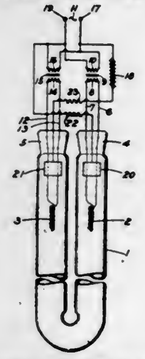
2. The combination with a receptacle and a closure therefor, of theft prevention means comprising a tear gas discharging device within said receptacle having electrically actuated gas discharging means, closure operated means for energizing said electrically actuated means, manually operated means for rendering said closure operated means ineffective, and switching means for energizing said electrically actuated means independently of both said closure operated means and the means for rendering the closure operated means ineffective.

2,075,641

GASEOUS ELECTRIC DISCHARGE DEVICE

Eduard G. Dorgelo, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York

Application July 17, 1936, Serial No. 91,195
In Germany July 8, 1935
1 Claim. (Cl. 176—124)



A gaseous electric discharge device comprising a tubular container, electrodes sealed therein at the ends thereof, a gaseous atmosphere therein at a pressure greater than 2 mm, at room temperature and a vaporizable material therein, one of said electrodes being an auxiliary electrode and two of said electrodes being main discharge supporting electrodes, said auxiliary electrode being mounted adjacent one of said main discharge supporting electrodes and being interposed between said main electrode and the adjacent end of the container, the distance between said main electrode and said auxiliary electrode being greater than the diameter of said container, said auxiliary electrode being connected through a resistance to the main electrode other than that to which said auxiliary electrode is adjacent.

2,075,642

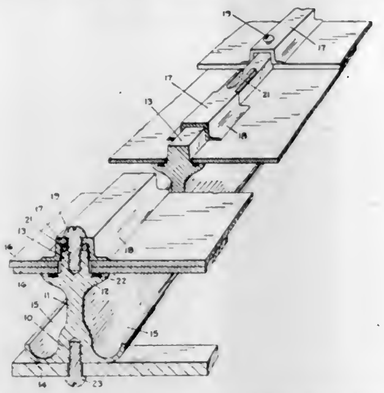
GREENHOUSE SASH BAR

Frederick Eiche, Lincoln, Nebr.

Application February 8, 1935, Serial No. 5,639
2 Claims. (Cl. 108—16)

1. A sash bar for greenhouses, comprising a body bar having an upstanding dividing ridge with pane supporting ledges at opposite sides thereof to support panes in consecutively overlapping relation, channeled latch bars fitting over the ridge with outwardly flanged lower edges adapted to seat on the opposite panes supported on the ledges, each channeled latch bar having a screw opening in its top near one end thereof and having fork arms coextensive with its upper surface at its opposite end and extending beyond said end to leave the said lower flanges free for abutting engagement with the edge of the adjacent overlapping pane to hold the same from sliding dis-

placement, said latch bars being of a length substantially equal to the length of the adjacent panes and said ridge having in its top threaded screw sockets adapted to register with the screw openings of the adjacent latch bars, and clamping screws engaging through the openings in the latch bars and into said sockets of the ridge, the



fork arms on one end of the latch bars adjustably engaging within the opposite ends of the latch bars on top of the ridge and at opposite sides of the screws, whereby tightening of the screws binds the fork arms against the ridge and secures the latch bars in consecutively overlapping relation throughout the length of the ridge.

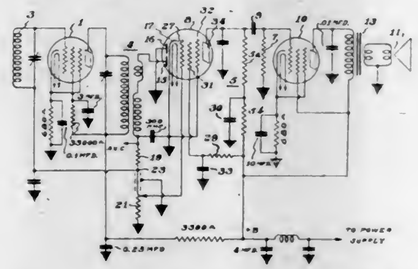
2,075,643

VOLUME CONTROL AND NOISE SUPPRESSION SYSTEM

Lester T. Fowler, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 30, 1935, Serial No. 19,036

10 Claims. (Cl. 250—20)



1. In a radio receiving system a first thermionic amplifier, a detector, and second thermionic amplifier, means for impressing modulated carrier current amplified by said first amplifier on said detector, a resistance network in circuit with said detector for developing therein the modulation and rectified carrier components, a conductive connection from the grid of said second amplifier to a portion of said resistance network, said grid being characterized by the fact that a substantial amount of residual grid current flows with impressed potentials below a certain level, whereby, by reason of said conductive connection a potential bias is developed in said resistance network by said grid current, said bias rendering said detector inoperative for impressed signal or noise energy below a certain predetermined minimum level.

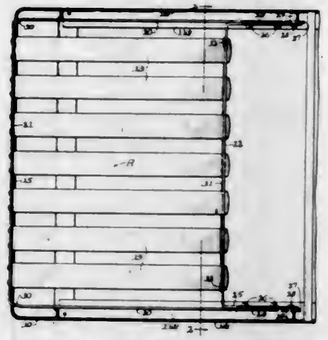
2,075,644

EXTENSIBLE UTILITY SHELF

Andrew H. Gerhardt, Chicago, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois

Application March 14, 1936, Serial No. 68,848

13 Claims. (Cl. 211—143)



12. In a slidable shelf structure, the combination with a rectangular frame member comprising front and rear sections connected by side sections; of a plurality of laterally spaced, longitudinally extending supporting slats fixed to said front section and extending through and being supported in openings provided in said rear section; and a transversely arranged, binding wire engaging said slats adjacent their rear ends, said wire extending alternately over and under adjacent slats and having its extremities in hooked, anchored engagement with the outermost slats at opposite sides of said shelf.

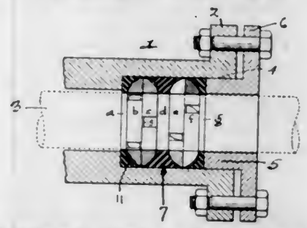
2,075,645

SEALED BEARING

Roy C. Hamilton, San Francisco, Calif.

Application September 21, 1935, Serial No. 41,591

2 Claims. (Cl. 308—36.2)



1. A bearing including a box and a gland having a shaft rotatably journaled therein; a packing element in said box and around said shaft consisting of alternate rings of metal and rubber, said metal rings having the outer circumference curved and divided circumferentially into segments and supporting the shaft and said rubber rings resiliently supporting the metal rings and having springs arranged thereon at spaced points throughout the circumference thereof to bear against the segments of the metal rings to thrust the same toward the shaft whereby the shaft axis may assume a position not in coincidence with the axis of the box and gland.

2,075,646

METHOD OF MAKING A RECORD MOLD

Albertis Hewitt, Pitman, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 28, 1933, Serial No. 653,952

1 Claim. (Cl. 18—5.3)



In the method of forming a commercial sound record pressing matrix from a master matrix, the improvement which comprises molding a vinyl resin mold from said master matrix under heat and pressure, thereafter electroplating a metallic deposit on the mold so formed to produce the record pressing matrix, and subsequently separating said record pressing matrix from said mold.

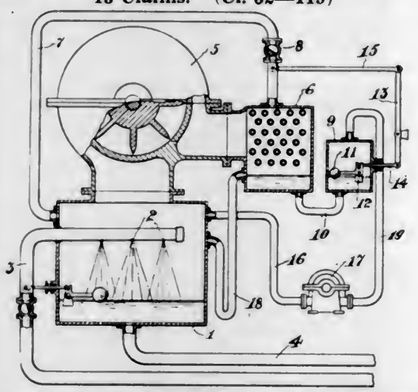
2,075,647

CONTROLLING APPARATUS FOR REFRIGERATING SYSTEMS

Frederick H. Hibberd, Larchmont, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application November 28, 1934, Serial No. 755,140

13 Claims. (Cl. 62—115)



1. The combination with an evaporator having a plurality of evacuators therefor, one or more of said evacuators developing a ratio of compression variable with the load on the evacuators, of means acting in accordance with the discharge pressures of said evacuators to stabilize the load on the evacuators as said ratio of compression approaches a critical value.

2,075,648

POWER PLANT

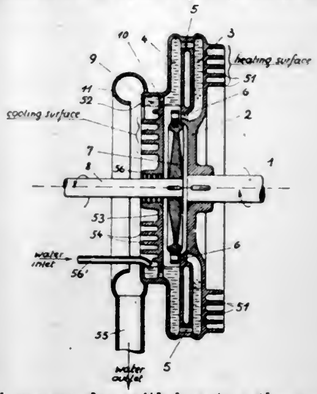
Fritz Hüttner, Karlshorst, near Berlin, Germany

Application September 1, 1934, Serial No. 742,373

In Germany February 26, 1931

13 Claims. (Cl. 60—108)

1. A rotary vapor generator comprising a vapor generating member in which the vapor and any unvaporized liquid are caused to flow toward the axis of rotation of said generator, a liquid supply member in which the vaporizable liquid is caused to flow outwardly with respect to such axis, said members communicating with each other at their outer portions so that the liquid may pass from said supply member to said vapor generating member, means for delivering to said liquid supply member any liquid carried by the vapor generated in said vapor generating member, and means for withdrawing the generated vapor from said vapor generating member and confining said vapor so that the heat energy thereof may be utilized.



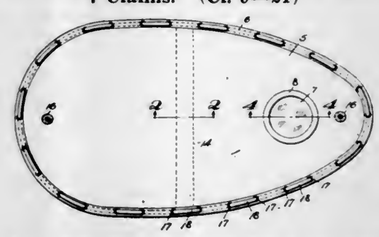
2,075,649

AQUATIC AMUSEMENT AND EXERCISING DEVICE

William P. Knight, Danvers, Mass.

Application July 27, 1933, Serial No. 682,470

7 Claims. (Cl. 9—21)



1. A collapsible buoy of the character described comprising upper and lower walls of flexible rubber having marginal portions secured together as by vulcanizing, a collapsible and foldable partition having upper and lower marginal portions secured as by vulcanizing to said upper and lower walls, and dividing the interior of the buoy into a plurality of non-communicating chambers having separate means of inflation, and a collapsible tube of flexible rubber wholly within one of said chambers and having its upper and lower ends joined to said upper and lower walls, respectively.

2,075,650

WATCH CASE

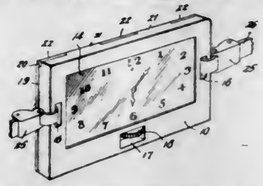
Augusta Krakower, New York, N. Y.

Application November 24, 1936, Serial No. 112,474

5 Claims. (Cl. 58—88)

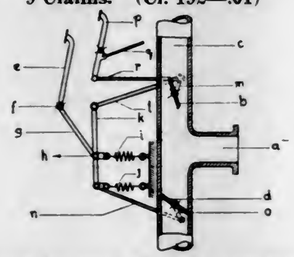
5. A multi-purpose watch case including a body for housing the watch movement, a leaf hingedly connected to the rear of the case adjacent one edge thereof, means for resiliently retaining said leaf respectively in an angular position and substantially parallel thereto, slotted portions adjacent opposite edges of said leaf having inwardly directed anchoring prongs and complementary slotted portions adjacent opposite edges of the

body adapted to respectively register with the leaf slots to constitute a common means for receiving



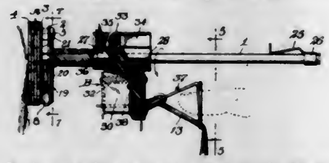
the terminal attaching devices of a wrist strap and to accommodate the anchoring prongs when the leaf is parallel to the case body.

2,075,651
INTERNAL COMBUSTION ENGINE CONTROL
Ede Kund, Budapest, Hungary
Application May 28, 1935, Serial No. 23,820
In Hungary June 7, 1934
9 Claims. (Cl. 192—.01)



1. A device for controlling the operation of internal combustion engines for vehicles, comprising a communicative conduit between the intake and the exhaust, valve means positioned in said conduit, and means for actuating the said valve means to establish and cut off the said communication between the intake and the exhaust, said valve means being operatively connected with the clutch-control-lever of the engine.

2,075,652
HAIR-WAVING APPARATUS
Ragnvald G. Leland, New York, N. Y.
Application November 30, 1935, Serial No. 52,388
4 Claims. (Cl. 132—33)

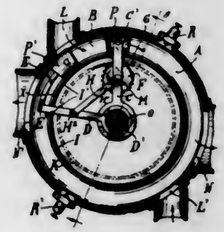


1. A hair-waving apparatus including a base consisting of a pad and a fixed clamping plate thereon, a pivoted clamping plate, ratchet and pawl means operatively connecting the plates, a stationary plate having a central recess therein to receive a forming bar, and a spring arm on the stationary plate adapted to hold the bar in coupled relation to the plate.

2,075,653
METHOD OF STABILIZING ALCOHOLIC BEVERAGES
Allen G. Libbey, Somerville, Mass.
No Drawing. Application October 26, 1935, Serial No. 46,933
12 Claims. (Cl. 99—48)

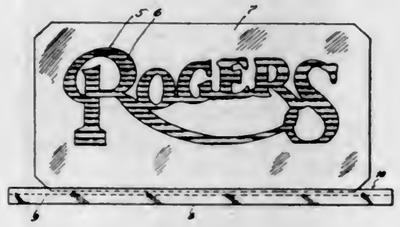
1. The method of stabilizing fermented alcoholic beverages having a metal content which comprises treating the beverage with sodium hexa metaphosphate.

2,075,654
ROTARY ENGINE, PUMP, OR COMPRESSOR
Charles Edgard Martin, Rosario de Santa Fe, Argentina
Application March 21, 1934, Serial No. 716,676
In Germany March 25, 1933
6 Claims. (Cl. 123—11)



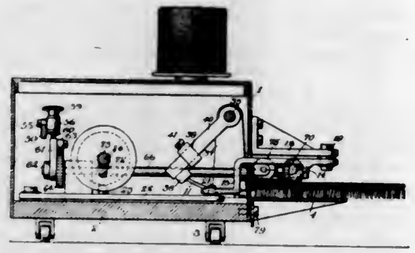
4. In a machine of the character described, a shaft, a toroidal casing concentric with said shaft and having a continuous slot along its inner periphery, a plurality of pistons arranged in pairs and mounted for movement within said casing, each pair comprising a main and an auxiliary piston, arms carried by said pistons, respectively, and extending radially through said slot, the arms from the main pistons being secured to said shaft, means for effecting relative movements of the pistons of each pair and corresponding variations in the capacity of the working space between them, and a sealing member in the form of a complete ring slidably mounted in said slot to seal said casing, said ring being secured to the arms of the main pistons for movement therewith, and said ring being provided with a plurality of elongated slots adapted to permit passage therethrough, respectively, of the arms of the auxiliary pistons.

2,075,655
SIGN AND METHOD OF MANUFACTURE THEREOF
Eugen Mueller, Owen Sound, Ontario, Canada
Application March 5, 1936, Serial No. 67,213
In Canada May 3, 1935
4 Claims. (Cl. 40—125)



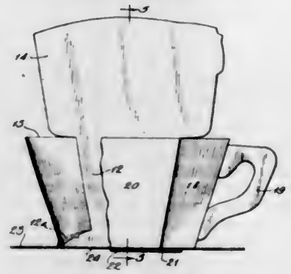
1. A sign composed of a substantially flat base or stand having a top reflecting surface characterized by multiple facets formed by raised irregular portions adapted for angular reflection of light rays, an upright supporting member carried by said base or stand to one side of the reflecting surface thereof, and brilliant foil in sheet form fashioned into indicia, said indicia being mounted flat against the upright supporting member and having a series of horizontally extending corrugations impinged by the light rays reflected by the aforementioned facets.

2,075,656
RUG AND CARPET BINDING SEWING MACHINE
Harry M. Paternayan, New York, N. Y.
Application June 27, 1936, Serial No. 87,651
5 Claims. (Cl. 112—197)



1. A sewing machine for sewing a binding on the edge of the base of a rug or carpet, including a horizontally functioning looper, a coacting vertically functioning needle, said looper and needle being adapted to form a seam having a portion extending through the binding along one line and diagonally through the edge portion of the base of the rug, power means for causing said looper and needle to function, a feed roller actuated by said power means to hold the rug against the sewing machine and also for tending to move the sewing machine in relation to the rug, and means actuated by said power means for maintaining the binding stretched while said looper and needle function.

2,075,657
COLLAPSIBLE MERCHANDISE DISPLAYING DEVICE
William S. Powers, New York, and Otto P. Storch, Ozone Park, N. Y., assignors to The W. F. Powers Company, New York, N. Y.
Application January 24, 1936, Serial No. 60,620
10 Claims. (Cl. 229—41)



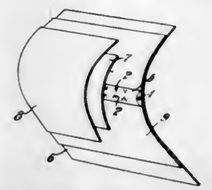
5. A display container of the class described comprising a hollow cup-shaped body including a base portion integrally formed with a part of the wall portion of said body, said base extending outwardly beyond the peripheral edges of said body when the container is in open position, said body and base portion being collapsible into a relatively thin package, a bottom wall cut from the material of the base portion and of a contour conforming with the contour of the lower end portion of said body, said bottom wall being foldable with respect to said base portion, and said bottom wall frictionally engaging the walls of said body when in open position to support said body in such position.

2,075,658
ICE PREVENTING DEVICE
John Edwin Ramsbottom, Benny Lockspeiser, and Charles John Stewart, Farnborough, England
Application March 26, 1935, Serial No. 13,050
In Great Britain April 7, 1934
8 Claims. (Cl. 244—134)



8. Apparatus for protecting aircraft surfaces from ice accumulation, which comprises means forming a source of supply of ice-preventing fluid, an absorbent covering material permeable to said fluid on the surface to be protected from ice accumulation and means for conveying said fluid from said first mentioned means to the inner surface of said covering.

2,075,659
APPARATUS FOR PREVENTING ICE ACCUMULATION ON AIRCRAFT
John Edwin Ramsbottom, Benny Lockspeiser, and Charles John Stewart, Farnborough, England
Application May 7, 1936, Serial No. 78,328
In Great Britain May 8, 1935
6 Claims. (Cl. 244—134)

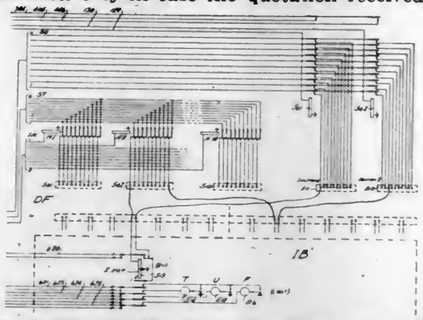


2. Means for preventing ice formation on surfaces, which comprises a permeable covering on said surfaces, tubular means for conveying an ice-preventing fluid to said permeable covering and having spaced openings from the interior of said tube to said permeable covering, and wicks between said openings and said covering for conducting fluid from said tube to said permeable covering.

2,075,660
STOCK QUOTATION SYSTEM
Harold C. Robinson, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 2, 1932, Serial No. 640,812
16 Claims. (Cl. 177—353)

2. In a stock-quotation system, a stock-quotation line over which current and previous stock quotations are transmitted, each quotation comprising a plurality of digits, a stock-quotation receiver operatively associated with said line to receive stock quotations thereover, said receiver including indicators for posting the current prices of stocks, registering means for registering the digits of stock quotations, sending means operative under the control of said registering means to send setting impulses to said indicators, and means operative under the control of said regis-

tering means for starting said sending means into operation only in case the quotation received is



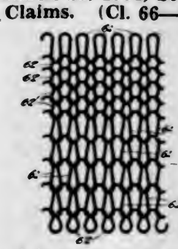
one concerning the current selling price of a stock.

2,075,661
FOUNTAIN PEN
Antonio S. Romero, Santurce, P. R.
Application February 7, 1936, Serial No. 62,822
4 Claims. (Cl. 120—47)



1. A fountain pen comprising a barrel, a nozzle therefor to receive a pen, the top of the barrel drilled providing a flange, a piston in the barrel with a threaded inner end extended through the barrel top, means exterior to the barrel and cooperating with the piston for closing the barrel top and holding the piston in position while not in use, and a cover for the pen end of the barrel with means to reciprocate the piston when the nut is removed.

2,075,662
CORRUGATED FABRIC AND METHOD FOR MAKING SAME
Harry Rubinstein, Brooklyn, N. Y.
Application March 23, 1934, Serial No. 717,099
8 Claims. (Cl. 66—202)

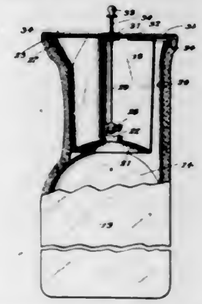


1. A knitted fabric comprising a plurality of alternating interlinking groups of interlinked rows of loops, the loops of alternate groups being relatively long and of soft threads and the loops of the other alternate groups being relatively short and of straw-like material.

2,075,663
PROCESS FOR PRODUCING CHICORY BEANS
Raymond E. Schanzer, New Orleans, La.
No Drawing. Application January 10, 1935
Serial No. 1,211
1 Claim. (Cl. 99—72)

A process for producing chicory beans, consisting of extracting liquids from chicory roots, reducing the chicory root residue to a pulp and pulverizing the pulp to a flour like consistency, filtering the said liquids and forcing same into a chamber subjected to a temperature that will reduce the liquids to a powder of flour like consistency, mixing the flour like pulp and the flour from the liquid specifically in proportions identical with the proportions of the wet pulp to the liquid juice from which the juice was extracted and introducing steam to cause the powders to form a homogeneous mass and compressing said mass into various shapes.

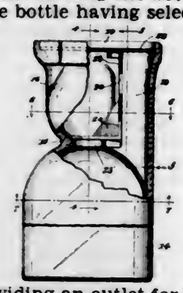
2,075,664
CREAM SEPARATOR
Emile Scheemaeker, Blackstone, Mass.
Application January 7, 1936, Serial No. 57,970
5 Claims. (Cl. 210—51.5)



1. The combination with a milk bottle having a body, an upstanding neck and a channel formed in a wall of the said neck and being in communication with the body, of a cream-receiving receptacle insertible in the neck and including a side wall that acts to close off the channel from the neck, and a bottom wall having an opening therein, means for closing the opening, and a cover member for closing the mouth of the bottle, the said cover member having separately operable closures providing outlets for the channel and for the cream-receiving receptacle.

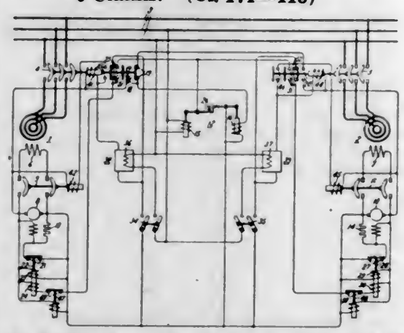
2,075,665
CREAM SEPARATOR
Emile Scheemaeker, Blackstone, Mass.
Application May 18, 1936, Serial No. 80,422
4 Claims. (Cl. 215—6)

3. In combination a milk bottle having a body portion and an upstanding neck having an inwardly open channel connecting the body and the mouth of the neck and a groove in the wall of the neck at each side of the channel, a separator device having a bottom wall for closing off the neck from the body and an upstanding side wall slidably engaged in the grooves for closing off the channel from the neck of the bottle and a cover member for the bottle having selectively operable



devices for providing an outlet for the neck of the bottle and for the channel.

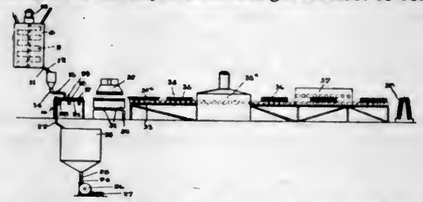
2,075,666
CONTROL SYSTEM
Harold T. Seeley, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application May 21, 1935, Serial No. 22,565
6 Claims. (Cl. 171—118)



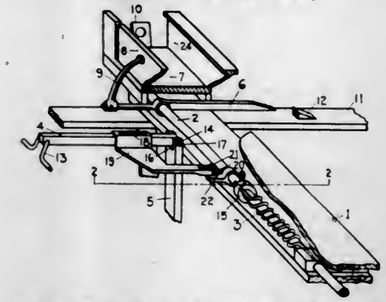
1. In combination, an electric circuit, a plurality of generators, switching means for connecting each generator to said circuit, a separate exciter for each generator, a single voltage regulator responsive to the voltage of said circuit, and means controlled by said switching means for regulating the excitation of an exciter in response to the voltage thereof so as to maintain a predetermined exciter voltage when the associated generator is disconnected from said circuit and for causing said voltage regulator to regulate the excitation of each exciter when the associated generator is connected to said circuit.

2,075,667
PROCESS FOR MAKING SAFETY GLASS
James H. Sherts, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application June 3, 1936, Serial No. 83,246
8 Claims. (Cl. 49—81)

1. A process of making safety glass consisting of a pair of glass sheets with an interposed layer of synthetic resin which consists in forming a mixture of synthetic resin, plasticizer, solvent and a liquid which is a non-solvent of the resin and plasticizer, collecting a layer of the mixture upon a screen, removing the free liquid from the layer while supported on the screen, transferring the layer from the screen to a glass sheet having substantially the same overall dimensions as the layer, applying heat to the layer supported on the glass sheet to remove the excess liquid therefrom, placing over the layer a second glass sheet to complete the assembly, and applying heat and pressure thereto.



2,075,668
LOOM ATTACHMENT
Lincoln N. Silver, Lindale, Ga., assignor to The Chapman Manufacturing and Sales Corporation, Fulton County, Ga.
Application May 15, 1936, Serial No. 79,991
1 Claim. (Cl. 139—345)



In combination with the lay of a loom, a shuttle, a shuttle box, a dagger, and frogs adapted to be struck by the dagger to stop the lay, a binder and a binder finger, a protector rod and a protector rod spring, adapted to operate said binder finger and said dagger, a pitman arm pivoted to said lay and a crank to impart to said lay, by means of said pitman arm, a fore and aft motion, means for holding the binder finger clear of the binder, against the action of the protector rod spring, during the time that the shuttle is in motion across the lay but not during the forward stroke of the lay, means adapted to allow the protector rod spring to move the dagger into engagement with the frog for stopping the lay in case a shuttle should fail to be properly boxed, said means comprising an extension arm, mounted on the pitman arm, a contact member mounted on the protector rod and so disposed with respect thereto that during a portion of the backward stroke of the lay the end of the pitman arm extension member will depress the contact arm against the action of the protector rod spring thereby relieving the binder finger, the binder, and the shuttle of the load of the protector rod spring and allowing the shuttle to enter and leave a free box.

2,075,669
CONNECTER AND SWITCH FOR CONTROL CIRCUITS
Albert C. Smith, Watkins Glen, and Charles F. Robbins, Glenora, N. Y.
Application May 22, 1936, Serial No. 81,322
10 Claims. (Cl. 177—311)

1. The combination with an incandescent lamp having a metallic base, a thermostatic switch

including a bimetallic member formed to correspond with the contour of the lamp bulb, and a

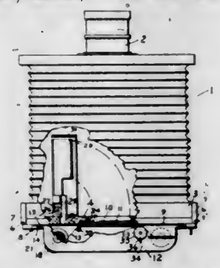


detachable connecter member associated with the switch structure for frictionally engaging the base of the lamp.

2,075,670

CAMERA BACK AND FOCUSING DEVICE

John Soffel, Teaneck, N. J.
Application May 29, 1935, Serial No. 24,030
4 Claims. (Cl. 95—42)

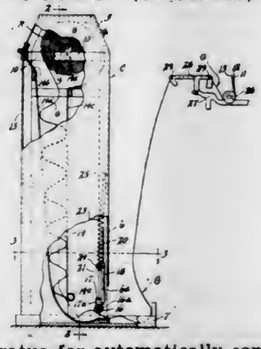


1. In combination with a camera, of a reducing back comprising a plate detachably connected to the camera, an apertured exposure plate pivotally connected to said detachable plate, a slide positioned in a frame attached to the interior of the apertured exposure plate, a ground glass supporting frame swingably mounted on the interior of said detachable plate for moving the ground glass into and out of the focal plane and means for actuating said frame upon the pivotal movement of the apertured exposure plate.

2,075,671

ROLLED PAPER FEEDER

Arthur J. Springer, Minneapolis, Minn., assignor of twenty-two per cent to George W. Stricker, twenty-two per cent to William J. Meehan, Jr., and twenty-two per cent to Marguerite D. Bohan, all of Minneapolis, Minn.
Application March 13, 1936, Serial No. 63,636
3 Claims. (Cl. 242—55)

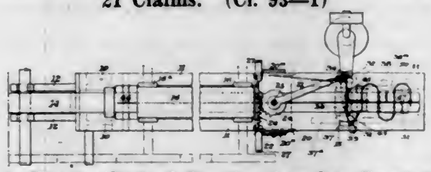


1. Apparatus for automatically controlling the feeding of a strip of relatively flexible sheet material from a horizontally axised roll thereof revolubly supported for unrolling of said strip responsive to the pull of gravity on a depending free end portion of said strip of sufficient length comprising, a downwardly convergent, substantially vertically disposed paper guiding duct situated for depending of said strip downwardly therethrough and of length at least equalling said sufficient length, and means associated with the lower end of said duct tending to restrain exit of said strip from said duct whereby portions of said strip will accumulate within said duct and assume an undulant conformation frictionally engaging said duct to derive support therefrom for relieving said roll of most of the weight of said strip and thus stopping gravity actuated feeding of said strip from said roll until withdrawal of a portion of said strip from the lower end of said duct causes descent of said undulant portion of said strip in said duct.

2,075,672

MANUFACTURE OF BAG HANDLES

William H. Stark, Langhorne, Pa.
Application August 1, 1935, Serial No. 34,254
21 Claims. (Cl. 93—1)



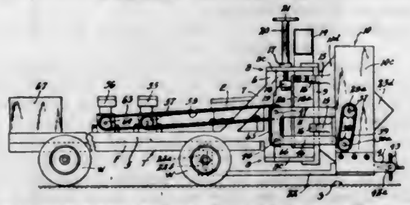
1. The method of forming bag handle structures consisting of cord loops attached to strip sections, which comprises feeding strip material to form the bag-attaching sections of such handle structures, cutting the strip material transversely to provide a plurality of handle-attaching parts longitudinally of such strip material, continuously looping cord across said strip material as it is fed, securing such cord to the strip material, and severing the cord on the longitudinal division line of the sections.

12. Apparatus for forming bag handle structures consisting of cord loops attached to strip sections, comprising means for feeding strip material to form the bag-attaching strip sections of such handles, means for cutting the strip material transversely of the same to provide a plurality of bag-attaching parts longitudinally of such strip material, means for continuously looping cord across said strip material as it is fed, means for stapling such cord to said strip material, and means for severing the cord between sections.

2,075,673

SNOW REMOVAL MACHINE

Edward T. Stewart, St. Paul, Minn., assignor of one-third to Emil H. Schulz and one-third to Thomas Y. Stewart, both of St. Paul, Minn.
Application October 30, 1935, Serial No. 47,419
1 Claim. (Cl. 37—43)

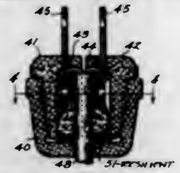


In a snow removal machine, a forwardly opening snow receiving box adapted for mounting on the forward end of a vehicle and having a snow discharge opening in the rear side thereof, means for removing snow from said box through said opening, a pair of shafts extending transversely of and revolubly mounted in said box, one of said shafts being disposed rearwardly of and at a substantial angle to the other, a pair of flanges formed on the respective shafts, each of said flanges projecting radially from the corresponding one of said shafts and winding helically thereabout through at least one convolution, and means for rotating said shafts at relatively high speed whereby each of said flanges will function as a centrifugal snow-hurling impeller and will impose a constant torque load on said rotating means when acting upon a body of snow.

2,075,674

TERMINAL PLUG FOR ELECTRIC CORDS

Edmund J. Te Pas, Rocky River, Ohio, assignor to Walter A. Frantz, Cleveland Heights, Ohio
Application August 8, 1933, Serial No. 684,193
3 Claims. (Cl. 173—361)

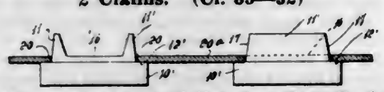


1. An attachment plug cap for use in connection with a flexible electric cord having conductor strands comprising contact terminal blades connected to the strands of the cord, a hollow cup shaped member having an aperture for receiving the cord, a soft rubber-like body carried in said member and having a passageway for receiving the cord, and a cover having relatively displaceable sections threadably received in the open end of said cup-shaped member, said contact terminal blades projecting from said cover and having their inner ends held in contact with the conductor strands by pressure exerted on said rubber-like body upon securing said cover to said cup-shaped body.

2,075,675

NUT

Camiel Thorrez, Jackson, Mich.
Application July 15, 1936, Serial No. 90,781
2 Claims. (Cl. 85—32)



1. A one-piece nut of the class described having a body, a raised portion spaced from all sides thereof, two spaced elongated prongs extending from said raised portion in parallelism at opposite sides thereof and adapted to be clinched over an engaged element, said prongs having their outer ends and outer side surfaces bevelled for better entry into an opening.

2,075,676

STORE FRONT CONSTRUCTION

Edward F. Toney, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 26, 1936, Serial No. 87,471
3 Claims. (Cl. 189—86)

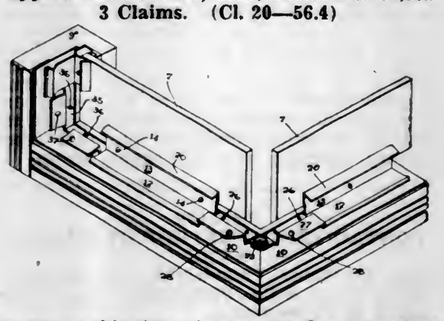
1. In combination in sheathing for a flat supporting structure, alined sheathing plates secured to the structure with a space between their adjacent ends, a series of cap plates over said space which successively overlap one another at their ends and whose sides overlap the outer faces of the sheathing plates, projections on the under sides of the cap plates at the ends thereof lying in said space but out of contact with the ends of the sheathing plates, an interlock between said projections at the overlapping ends of the cap plates arranged so that the plate which lies on the outer side of the overlap is prevented from outward movement, and a screw extending through the projection on the plate on the inner side of the overlap and into said supporting structure.



2,075,677

STORE FRONT CONSTRUCTION

Edward F. Toney, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 26, 1936, Serial No. 87,472
3 Claims. (Cl. 20—56.4)



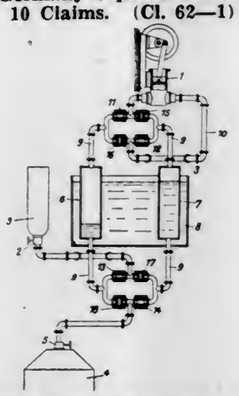
1. In combination, in a store front construction, a pair of upright glass sheets which approach at two of their vertical edges and lie at an angle to each other, a sash frame into which the sheets are received, an angle clamping member secured on the sash frame at the front of each sheet with one of its flanges engaging the glass sheet, an angle bracket comprising a pair of arms hinged together on the sash frame adjacent the approaching sheet edges having its arms rigidly secured with respect to the sash frame, a cover strip lying above each clamping member and having releasable snap engagement therewith, said cover strips meeting on a bevel above the hinge of the angle bracket, and a securing screw for each of the meeting ends of the cover strips extending therethrough and into one of the arms of the angle bracket, the other end of each of the cover strips being free to move endwise.

2,075,678

TRANSFERRING COMBUSTIBLE LIQUEFIED GASES

Walter von Langen, Erkner, near Berlin, Germany, assignor to Naamlooze Vennootschop Machinerieen-en apparatenfabrieken "Meaf," Utrecht, Germany

Application December 5, 1935, Serial No. 53,112
In Germany September 26, 1935
10 Claims. (Cl. 62—1)



1. The method of transferring liquefied combustible gases, such as propane, between a supply vessel and a container to be filled with the use of first and second auxiliary containers, which comprises exerting a suction on the first auxiliary container and thereby passing the gas in substantially liquefied condition from said supply vessel to said first auxiliary container while simultaneously exerting a pressure on said second auxiliary container to pass gas in substantially liquefied condition from said second auxiliary container to the container to be filled, and then exerting a pressure on said first auxiliary container and thereby passing said gas still in substantially liquefied condition from the first auxiliary container to the container to be filled, while simultaneously exerting a suction on the second auxiliary container and thereby drawing gas in substantially liquefied condition into said second auxiliary chamber from the supply vessel.

2,075,679

CONTAINER AND METHOD OF MAKING SAME

Isadore H. Weber, Philadelphia, Pa., assignor to David Weber & Co., Philadelphia, Pa., a corporation of Pennsylvania

Application December 6, 1935, Serial No. 53,244
4 Claims. (Cl. 93—45)

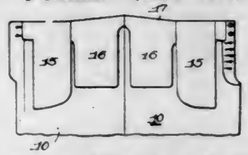
1. The method of making container bodies, consisting of forming a continuous run of composite board having a plurality of corrugated wall thicknesses wherein one wall thickness is of less width than others and secured to the latter throughout its entire width, cutting sections of board from said composite run at predetermined intervals transversely thereof to form container blanks having one wall thickness of less width than others which project a predetermined distance beyond one side edge of the former, scoring said blanks at predetermined intervals transversely thereof, and forming container bodies from the blanks by bending the same along the several scores therein so that the opposite end edges thereof abut and the respective wall thicknesses cooperate to form a shoulder and projecting sleeve portion adjacent at least one end of said bodies.

2,075,680

TROUSER POCKET AND WAISTBAND CONSTRUCTION

Louis A. Weinberg, Chicago, Ill.

Application August 22, 1936, Serial No. 97,322
5 Claims. (Cl. 2—247)



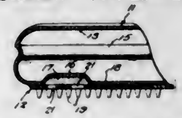
1. In an article of the class described, a waistband portion, pockets having an exposed face stitched thereto at the upper edges thereof and depending therefrom and covering the interior of said waistband portion to form an inner lining therefor.

2,075,681

DENTAL CLEANING AND MASSAGE DEVICE

Harry Logue Welker, Williamsport, Pa.

Application August 2, 1935, Serial No. 34,470
4 Claims. (Cl. 15—188)



1. A dental cleaning and massaging device comprising a finger cot of resilient material having inwardly directed ridges extending lengthwise thereof and having a recess formed therein to receive a charge of dentifrice, a plate of resilient material having bristles projecting from one face thereof and secured to said cot to cover said recess, said plate being provided with an aperture normally closed but adapted to be opened by pressure applied to said recess and bristles to discharge dentifrice from the recess on to said bristles.

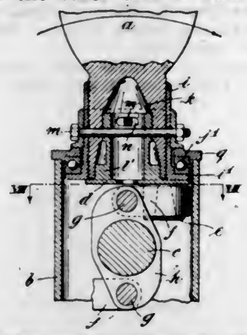
2,075,682

SCREW PROPELLER

Francis Samuel Welman, Bexley Heath, England, assignor to C. L. W. Aviation Company, Limited, Gravesend, England, a company of Great Britain

Application April 16, 1936, Serial No. 74,737
In Great Britain March 8, 1935
10 Claims. (Cl. 170—162)

1. A variable pitch screw propeller comprising a propeller shaft, a hub movable axially and circumferentially of the propeller shaft, propeller blades having roots revolubly mounted in said hub, spaced flange supports rigidly mounted on the shaft, pivot pins extending between said supports and disposed parallel to the shaft, pressure blocks supported at one end by said pivot pins and extending laterally of the shaft, towage pins engaged by the other end of said blocks, and



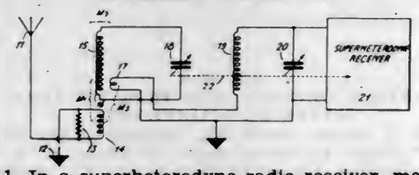
crank arms secured to the roots of the blades and said pins and swingable about the axes of said pins.

2,075,683

IMAGE FREQUENCY REJECTION SYSTEM

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application April 5, 1933, Serial No. 664,479
14 Claims. (Cl. 250—20)



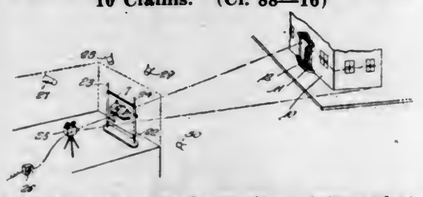
1. In a superheterodyne radio receiver, means for attenuating image frequency currents, which comprise a single signal input circuit, a circuit tuned to the desired frequency and coupled to said input circuit for building up by resonance current of the signal frequency impressed on said input circuit and incidentally transferring current of the image frequency, and a coupling coil coupled to said tuned circuit and aperiodically coupled to said input circuit, said couplings being proportioned to induce in said coil equal and opposite voltages in response to image frequency currents in said input circuit.

2,075,684

EXCISED PHOTOGRAPHIC PLATE SYSTEM OF COMPOSITE MOTION-PICTURE PHOTOGRAPHY

Vincent I. Whitman, New York, N. Y.

Application May 3, 1935, Serial No. 19,706
10 Claims. (Cl. 88—16)



4. In an apparatus for motion picture photography, a camera comprising a principal lens system, a physical set occupying a portion of the field of view, a photographically recorded positive print of a partial scene occupying a portion of the field of view separate from and complementary to said portion thereof occupied by said physical set, the areas of said print representing material objects being light-transmitting of an order of magnitude intermediate complete transparency and complete opaqueness, said print being small in size relative to said set and being mounted relatively close to said lens system in such manner that the partial scene on said print occupies a portion of the field of view of said camera complementary to and continuous with the scene of said physical set, and a source of light mounted on the side of said light-transmitting print opposite said camera for projecting light upon and through said light-transmitting print from the back side thereof with reference to said camera.

2,075,685

DETACHABLE HANDLE FOR CANS OR THE LIKE

George F. Wiedemann, Milwaukee, Wis.

Application December 3, 1935, Serial No. 52,712
2 Claims. (Cl. 16—114)



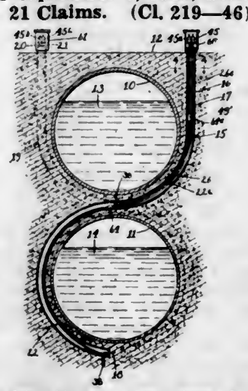
1. As a new article of manufacture, a detachable handle formed of sheet metal shaped to provide a curved hand grip portion with its lower end adapted to bear against the outer side of a container, a substantially horizontal portion at the upper end of the hand grip portion and having its free end bent angularly upward and upon itself therefrom a clamp portion adapted to engage over the edge of the container, and laterally bowed extensions at opposite sides of the outer side of the clamp portion adapted to flexibly bear against the outer side of the container to tension the clamp portion in its engagement with the container edge.

2,075,686

HEATING

Edwin L. Wiegand, Pittsburgh, Pa.

Application September 7, 1935, Serial No. 39,577
21 Claims. (Cl. 219—46)



1. In combination: a structure having a portion to be heated, said structure having a passage; a plurality of elongated electrical heating units in said passage; individual armoring means for and forming a part of each of said units; and at least two of said heating units each hav-

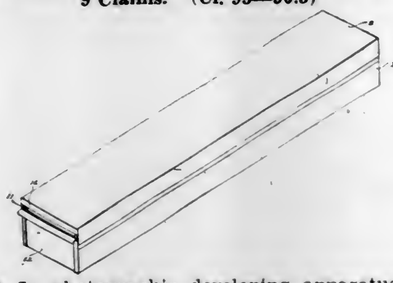
ing a heating element section and a lead conductor section, said sections being staggered with respect to each other so that a heating element section of one unit overlaps a lead conductor section of another unit.

2,075,687

APPARATUS FOR DEVELOPING PHOTOGRAPHIC FILMS

Harold A. Windisch, Lansdowne, Pa.

Application October 9, 1935, Serial No. 44,259
9 Claims. (Cl. 95—90.5)



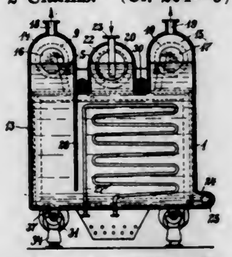
1. In photographic developing apparatus for roll films, the combination with a light-proof tank having a detachable cover, of a rack separate from the tank and from said cover adapted to support the film strip in substantially horizontal position in the bottom of the tank and removable from the latter, means providing for transfer within the tank of the film strip from the roll to the rack and for simultaneous separation from said film of its backing strip, and means operative while the tank is substantially in normal position for admitting and discharging liquids to and from the tank while the said cover is in position.

2,075,688

ELECTROLYTIC APPARATUS

Arnold Ewald Zdansky, Berlin-Schoneberg, Germany, assignor to Bamag-Meguin Aktiengesellschaft, Berlin, Germany

Application January 10, 1935, Serial No. 1,225
2 Claims. (Cl. 204—5)



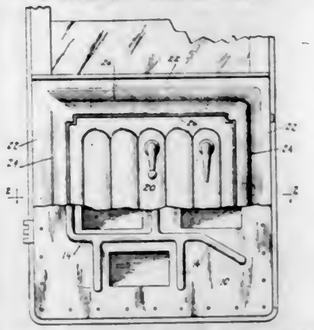
1. In electrolytic apparatus, for the decomposition of water or other liquid, the combination of a plurality of individual cell units assembled together and presenting collector mains for the evolved gases, conduits leading from the cells and opening into said mains above the level of the electrolyte therein, said collecting mains being located immediately above the cells and said conduits being accordingly very short to ensure substantially unhindered expulsion of the electrolyte from the cells with the evolved gases, a cooling chamber in communication with said mains, cooling means in said chamber, and conduits leading from said cooling chamber to the cells.

2,075,689

DOOR PANEL ASSEMBLY

Paul R. Zinser, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan

Application May 6, 1933, Serial No. 669,763
3 Claims. (Cl. 45—138)



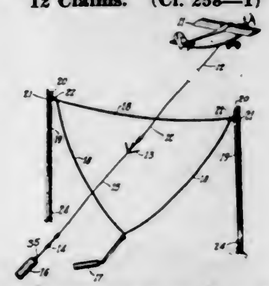
1. A trim panel formed of thermoplastic sheet material covered on one side with upholstery cloth and having a flat marginal portion, a central crown portion embossed to represent upholstery tufting separated from the flat marginal portion by an intermediate ogee border portion offsetting the crown portion laterally with respect to said marginal portion.

2,075,690

ARTICLE DEPOSIT AND PICK-UP APPARATUS FOR AIRPLANES

Lytle S. Adams, Irwin, Pa., assignor of one-half to Arthur Patterson Davis, Brooklyn, N. Y.

Application August 19, 1935, Serial No. 36,891
Renewed February 8, 1937
12 Claims. (Cl. 258—1)



12. An airplane article pick up and delivery apparatus of the character described, comprising a trailing cable provided with a grapple near its trailing end, cable severing means carried thereby positioned between the grapple and end of the cable, means for actuating said cable severing means actuated upon contact with the ground, and means at the end of the cable for attaching a load to be delivered, substantially as described and for the purposes named.

2,075,691

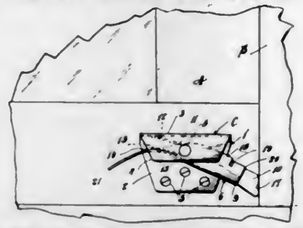
WINDOW STOP

Alfred R. Amundson, Superior, Wis.

Application April 5, 1934, Serial No. 719,191
1 Claim. (Cl. 292—228)

In a device of the character specified, a supporting bracket comprising a side portion and flat horizontal outwardly extending top portion

formed at its outer edge with a depending flange, a central transverse pin extending through the depending flange and side portion of the supporting bracket, a downwardly inclined catch of approximately U-shape form in cross section, pivoted at its inner end to said pin, a rubber tip carried by the outer end of the catch, a coil spring disposed around said pin for normally



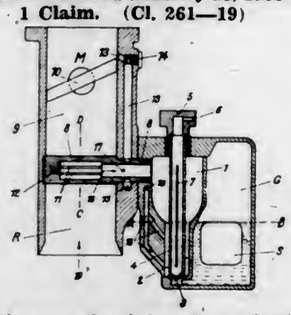
holding the rubber tip in engagement with the window casing and a curved finger piece formed at the inner end of the catch for releasing the tip from engagement with the window casing against the action of said spring, said coil spring arranged with its opposite ends engaging the inner face of the top portion and the upper face and inner end of the finger piece, respectively.

2,075,692

CARBURETOR FOR INTERNAL COMBUSTION ENGINES

Otto Baumgartner, Bern-Bumpliz, Switzerland

Application January 7, 1936, Serial No. 57,953
In Switzerland January 15, 1935
1 Claim. (Cl. 261—19)



In a carburetor for internal combustion engines and in combination, an intake of the draught tube having a limited longitudinal passage way in its side wall with an adjustable outlet into the draught tube, a throttle pivotally mounted in the draught tube beneath said outlet, a fuel chamber positioned near said intake and near the bottom end of said passage way and provided in its side wall with a vent communicating with the outside and with passage ways leading with two branches down beneath the fuel level into a mixture chamber, a float arrangement adapted to maintain the fuel level in the float chamber about at half of its content, a fuel mixture chamber arranged inside of the float chamber, having an enlarged portion above the fuel level and reaching with a narrower portion below said level nearly to the bottom of the fuel chamber, where it is provided with an opening, a tubular nozzle arranged inside of the mixture chamber and extended downwards near to the bottom opening of the mixture chamber, said nozzle having longitudinal slots and an opening at its bottom end and a vented head adjustably held in the top wall of the mixture chamber and a cross pipe in the draught tube beneath the throttle, this pipe being closed at one end and open at its other end discharging into the mixture chamber and provided with slots communicating with the draught tube and with holes communicating with the lower end of said limited passage way in the wall of the draught tube.

2,075,693

WOOD PRESERVING AND FIREPROOFING COMPOSITION

Cornelius D. Bell, Jr., Detroit, Mich.

No Drawing. Application May 13, 1935, Serial No. 21,273
1 Claim. (Cl. 134—78.6)

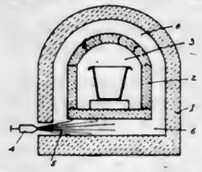
A wood preserving and fireproofing composition consisting of 1 lb. of zinc chloride, ½ lb. of iron chloride, 1¼ lbs. of boric acid, 11 lbs. of ammonium phosphate, and 7 gallons of water.

2,075,694

FURNACE WALL AND THE LIKE

Raymond C. Benner and George J. Easter, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application May 31, 1934, Serial No. 728,572
5 Claims. (Cl. 263—42)



1. In a furnace, a compartment for containing material to be heated, said compartment being bounded by a wall of cast fused alumina, and a source of heat adjacent said wall and on the opposite side thereof from said compartment, whereby said compartment and material therein are heated.

2,075,695

PARCHMENTIZED FABRIC AND PROCESS OF PRODUCING THE SAME

Albert Bodmer, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

No Drawing. Application June 25, 1934, Serial No. 732,301. In Germany June 28, 1933
3 Claims. (Cl. 8—20)

1. A process for preparing a patterned fabric which comprises printing a cellulose-containing composition comprising a pigment on a cellulose-containing fabric and passing the fabric through a transparentizing swelling agent, said pigment being capable of resisting the action of said swelling agent, said cellulose composition being permeable to said transparentizing agent, whereby the portions of the fabric to which the cellulose composition has been applied appear relatively less transparent than the portions to which the cellulose has not been applied, and the fabric is substantially of the same stiffness throughout.

2,075,696

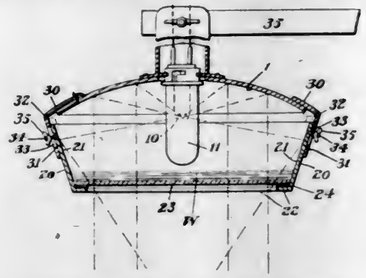
APPARATUS FOR PRODUCING THERAPEUTIC RAYS

Edward W. Boerstler, Watertown, Mass.

Application December 21, 1934, Serial No. 758,629
9 Claims. (Cl. 250—34)

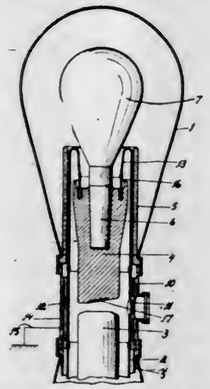
1. In apparatus for projecting a beam of therapeutic rays of predetermined thermal character-

istics, a downwardly directed reflector, a high temperature source of energy disposed substantially in the reflector focus, an open top filter disposed below the reflector, and comprising a shallow pan having a bottom opening surrounded



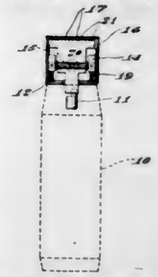
by a narrow flange, a ray transmitting bottom disc covering said open bottom and having its edge resting on said flange and adapted to hold a body of water thereby making of it a water filter.

2,075,697
HIGH VOLTAGE DISCHARGE TUBE
Albert Bouwers, Eindhoven, Netherlands, assignor, by mesne assignments, to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a Dutch company
Application June 12, 1933, Serial No. 675,500
In Germany June 23, 1932
4 Claims. (Cl. 250—34)



3. In combination, an X-ray tube comprising an envelope having a vitreous portion, a cathode, and an anode having sufficient heat capacity to withstand instantaneous loads greatly in excess of 180 watts, a protective metal housing for said envelope, a solid heat-accumulating body having a transverse section of larger area than that of the maximum transverse section of the anode and a heat capacity of at least that of 300 cubic centimeters of water and disposed within and enclosed by said housing coaxially with said envelope and in good heat-transferring relationship to said anode, said body being adapted to radiate heat at its maximum operating rate of radiation when heat is developed in the anode with a continuous loading of 180 watts and having a rounded-end portion projecting beyond said vitreous portion, said housing having a surface arching over the projecting portion of said heat-accumulating body.

2,075,698
SHAVING IMPLEMENT
Joseph M. Bowen, West Quincy, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application August 12, 1936, Serial No. 95,588
9 Claims. (Cl. 30—43)



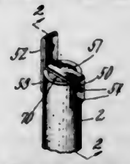
1. An implement of the class described comprising a guard presenting transversely curved teeth, a screw located substantially at the center of curvature of said teeth, and a co-operating cutter arranged to oscillate upon the screw and being thereby reciprocated.

2,075,699
PROCESS FOR MAKING BAKERS' PRODUCTS IN VARIOUS SHAPES
Patrick J. Brennan, York, Pa., assignor of one-half to Edw. Fox Baking Co., Inc., York, Pa., a corporation of Pennsylvania
Application April 22, 1936, Serial No. 75,812
3 Claims. (Cl. 107—54)



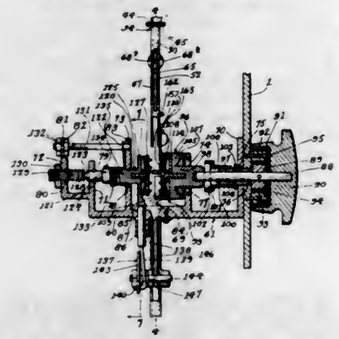
1. The method which consists in incising a dough mass from top to bottom along a plurality of lines radiating from a common centre to thereby form in said mass a plurality of segmental sections each connected to an adjoining section by an unsevered portion of the dough, opening out the mass from the edge thereof and along the said lines of incision, and baking the dough to form the finished product.

2,075,700
STRUCTURAL ELEMENT
Edmund Burke, Portland, Maine, assignor to Brown Company, Berlin, N. H., a corporation of Maine
Application January 3, 1934, Serial No. 705,058
2 Claims. (Cl. 173—28)



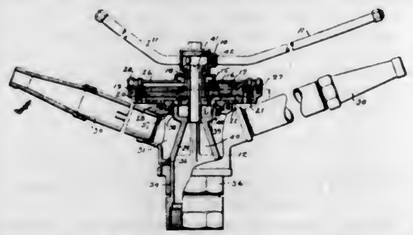
1. A cylindrical structural element of an electro-insulating character and adapted for use in electric power transmission systems, comprising a fiber-walled tube impregnated with a water-repellent dielectric material, a solid core of dielectric material adversely affected by moisture, within said tube but terminating short of the ends of said tube, and water-repellent dielectric material substantially completely filling the cylindrical pockets at the ends of said core and preventing access of moisture to said core, said element being equipped with metallic fastening parts at its ends.

2,075,701
DETECTOR
William M. Christopher, Tonawanda, N. Y., assignor, by mesne assignments, to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation of Ohio
Application October 21, 1935, Serial No. 46,017
11 Claims. (Cl. 194—97)



9. In a detector for separating certain coins having the usual side face configurations from imperforate and smooth sided slug imitations thereof, a pair of revoluble shaft structures having spaced, opposed clutching elements adapted to receive a coin or slug therebetween, means for revolving one of said structures, means operable by the revolving of said structure for reducing the space between the structures, said clutching elements including means for engaging the side face configurations of an interposed coin when the space is so reduced to cause said structures to revolve in unison, and a movable coin deflector operable upon the revolving of said structure in unison.

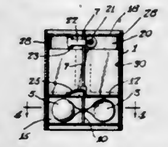
2,075,702
IRRIGATION DEVICE
Walter H. Coles and Bert J. Nelson, Troy, Ohio, assignors to The Skinner Irrigation Company, Troy, Ohio, a corporation of Ohio
Application November 29, 1935, Serial No. 52,063
7 Claims. (Cl. 299—69)



1. A water distributor comprising a fixed standard, a water supply head rotatably mounted on said standard, water distributing means on said head productive of an axial downward reaction thrust force on said head, means supported on said standard and interconnected to said head for causing a slow rotation of said head, said head having upper and lower areas of engagement with said standard so arranged and proportioned with respect to one another and with respect to said downward reaction thrust force as to normally produce a force on said head opposing and substantially equalizing the said reaction thrust force of said water distributing means.

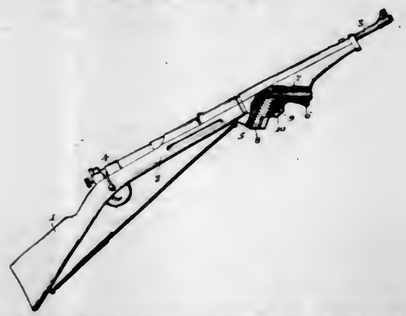
6. A water distributor comprising a fixed standard, a water supply head rotatably mounted on said standard, water distributing means on said head, a rotatable reaction member having bearing on said standard, a gear fixed to said reaction member, an idler meshing with said gear, a plurality of concentric gears with a different number of teeth simultaneously meshing with said idler, one of said concentric gears connected to said standard and the other connected to said head for causing slow rotation of said head from a comparatively rapid rotation of said reaction member.

2,075,703
TOY SPARKING PIPE
Everett W. Creswell, Auburn, Mass.
Application June 17, 1936, Serial No. 85,679
1 Claim. (Cl. 46—48)



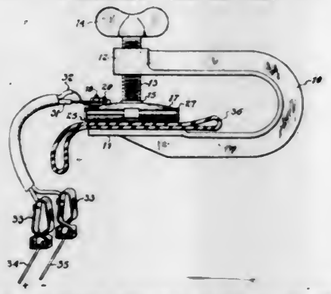
A spark-creating pipe of the kind described comprising a pipe bowl, a hollow pipe stem communicating with the lower portion of said bowl positioned to deliver an air blast tangentially within said pipe bowl, fan blades within the pipe bowl, a partition confining said fan blades in an air chamber adjacent the pipe-stem delivery position, means permitting exit of air from said chamber during the rotation of the fan blades, and spark-creating devices within the bowl actuated by the rotation of the fan blades.

2,075,704
FIREARM
Percy L. Crosby, McLean, Va.
Application February 9, 1935, Serial No. 5,818
4 Claims. (Cl. 42—72)



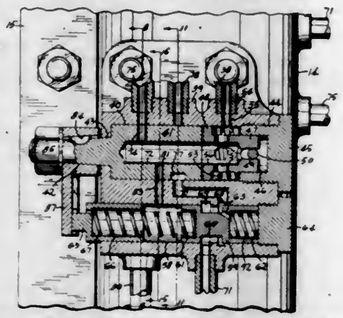
1. A fire arm including a stock and main barrel, said stock extending along the main barrel and having a depending enlargement on its front portion, and a pistol mounted in the enlargement and including a barrel set in angular relation to the main barrel and terminating short of the same.

2,075,705
VULCANIZING UNIT
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 16, 1936, Serial No. 59,438
7 Claims. (Cl. 18—18)



1. A vulcanizing device adapted to be used with but readily separable from a suitable clamping means comprising a pair of cooperating superimposed separable members, one of which is adapted to have pressure applied thereto by the clamping means and the other of which is provided with a vulcanizing patch for engagement with a rubber article, an electrical resistance element carried by said first named member which when energized creates the heat of vulcanization, and cooperating means carried by said members and coacting automatically when said members are arranged in the clamping means in superimposed relationship and pressure is applied to the first named member by said clamping means to enable an electrical circuit to be completed through said resistance element.

2,075,706
ROCK DRILL
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application January 17, 1934, Serial No. 706,997
21 Claims. (Cl. 121—9)

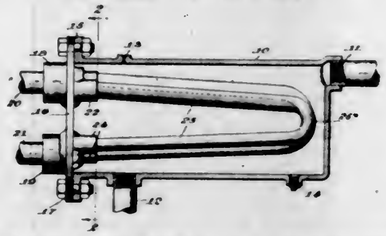


1. In a drilling apparatus the combination with a drilling motor, of a feeding mechanism therefor including a feed tube having a fluid actuated feeding element reciprocable therein for imparting feeding motion to said drilling motor, a throttle valve for controlling the admission of a predetermined amount of pressure fluid into passages leading into said feed tube, a handle secured to said throttle for operating the same, means movable into one direction by the action of the pressure fluid admitted thereon for restricting the flow of the pressure fluid through one of said passages, and means including said throttle valve handle for variably limiting the movement of said first mentioned means into said one direction, permitting thereby a more or less restricted flow of the pressure fluid through said one passage.

2,075,707
COLLOTYPE PROCESS
Mariano de Sperati and Joseph Filippi, Paris, France, assignors to Argentographica (U. S. A.) Limited, London, England, a British company
No Drawing. Application November 30, 1934, Serial No. 755,508. In France November 29, 1933
4 Claims. (Cl. 95—5.4)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. A process for producing a printing plate for use in a collotype process which comprises applying a layer of colloidal substances capable of absorbing and retaining moisture to a suitable plate, then granulating the layer, then applying over the granulated layer a layer of light-sensitive gelatine emulsion, then exposing the plate to the action of light passing through the desired negative and an interposed refraction screen, the exposed plate then being developed, washed and dried and treated with known solutions to form a printing plate as in a collotype process.

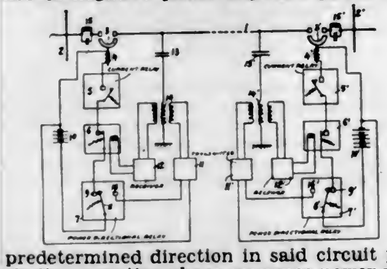
2,075,708
WATER HEATING APPARATUS
Gilbert H. Evans, New York, N. Y.
Application August 30, 1935, Serial No. 38,646
3 Claims. (Cl. 257—239)



1. A hot water heating apparatus comprising a tank, a one-piece cast manifold header constituting a closure for one end of the tank, said header having integral outer sleeves adjacent its top and bottom respectively, to constitute a connection for circulating water from a boiler, and a plurality of integral sleeves extending inward therefrom adjacent its top and also adjacent its bottom, the header having manifold cavities establishing communication between the outer top sleeve and the series of inner top sleeves and also establishing communication between the lower outer sleeve and the series of inner lower sleeves, and piping extending from the upper inner sleeves through the tank and returning to connections with the lower inner sleeves.

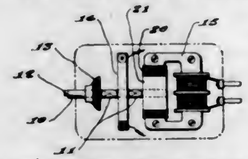
2,075,709
SELECTIVE PROTECTIVE DEVICE FOR ELECTRIC LINES
Jean Fallou, Paris, France, assignor to General Electric Company, a corporation of New York
Application June 2, 1931, Serial No. 541,652
In France June 5, 1930
19 Claims. (Cl. 175—294)

1. A protective arrangement for an electric circuit including circuit interrupting means at one end of a portion of the circuit, fault responsive means connected to be energized from said circuit for controlling the circuit opening operation of said interrupting means on the occurrence of a fault on the circuit, means at the other end of said circuit portion for transmitting an oscillation of a predetermined frequency on the occurrence of negative phase sequence power flow in



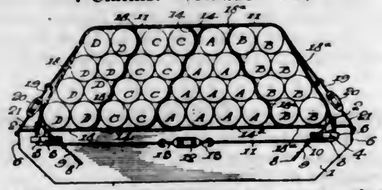
a predetermined direction in said circuit portion including negative phase sequence power responsive means, receiving means at said one end tuned to the frequency of said transmitting means and means controlled by said receiving means for preventing said fault responsive means from controlling the opening of said circuit interrupting means when the fault is outside of said circuit portion.

2,075,710
SMALL MOTOR
Ivan Henly Gaskin, Watertown, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application July 11, 1936, Serial No. 90,250
4 Claims. (Cl. 172—36)



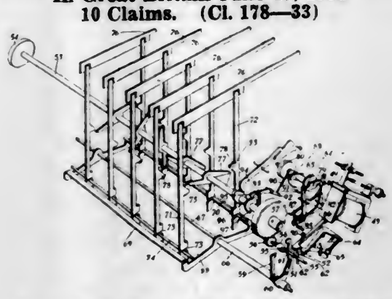
1. A magnetic attraction motor operating on a make-and-break circuit and comprising field magnets, and a rotor having a smooth continuous circumferential surface reducing the windage friction of the rotor to a minimum.

2,075,711
METHOD AND MEANS FOR TRANSPORTING LOGS
Albert M. Gilley, New Westminster, British Columbia, Canada
Application July 10, 1936, Serial No. 89,990
7 Claims. (Cl. 214—152)



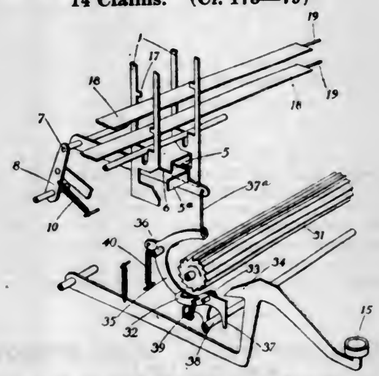
1. The method of transporting and unloading logs on scows which consists in laying the logs in tiers, arranging the logs in separate groups, providing each outer group with an independent bridle anchored to the deck of the scow adjacent the edges thereof, providing the inner groups with similar bridles likewise anchored to the scow adjacent the same edges, binding the entire load of logs to the scow as a unit, then tensioning the bridles better to secure the load, and thereafter removing the binder and rolling off the groups of logs by pulling on the loops of the bridles.

2,075,712
START-STOP TELEGRAPH
Ronald George Griffith, Upper Warlingham, England
Application May 29, 1935, Serial No. 24,153
In Great Britain June 19, 1934
10 Claims. (Cl. 178—33)



1. In a start-stop telegraph, the combination of a selecting cam shaft, means for intermittently rotating said cam shaft, a single rotary member arranged to effect the mechanical selection of each of the code impulses of the signal permutations and connecting gearing between said rotary member and said cam shaft, the ratio of said gearing being such that one revolution of said rotary member occupies a time equal to an integral number of the signal impulse periods but not exceeding the time period of all the code impulses of one complete character signal.

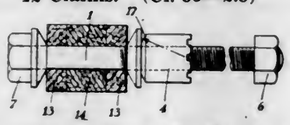
2,075,713
TELEGRAPH KEYBOARD APPARATUS
Ronald George Griffith, Upper Warlingham, England
Application July 25, 1935, Serial No. 33,144
In Great Britain November 26, 1934
14 Claims. (Cl. 178—79)



1. A permutation-setting mechanism for telegraph keyboard apparatus, comprising in combination, a plurality of pivoted single permutation members, a plurality of permutation-setting members each disposed and shaped respectively to engage directly a plurality of said permutation members on one or the other side of the pivots thereof to set same positively and selec-

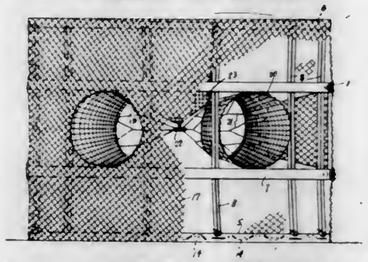
tively and a keyboard mechanism adapted to be mechanically coupled to said permutation-setting members.

2,075,714
ANCHORAGE
William Wilson Hamill, Four Oaks, England
Application December 4, 1934, Serial No. 755,921
In Great Britain December 8, 1933
12 Claims. (Cl. 85—2.8)



1. An anchorage for walls, floors, and other places comprising an anchorage member, an abutment combined with and axially displaceable on the anchorage member, a second abutment combined with and axially immovable on the anchorage member, a rubber element intermediate said abutments and mounted in definite relation to said member, and a nut screwed on the anchorage member to press against the face of the movable abutment away from the rubber contact face, the contacting faces of the nut and the movable abutment being restricted to the vicinity of the thread to avoid twisting of the rubber through the rotary motion of the nut.

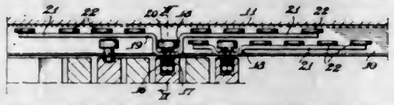
2,075,715
FISH NET
Alonzo Haun, Phoenix, Ariz.
Application September 30, 1935, Serial No. 42,952
5 Claims. (Cl. 43—100)



1. A net especially designed for trapping carp, and consisting of a substantially circular skeleton frame structure, and an envelope enveloping said frame structure and consisting of bottom, top and peripheral walls of reticulated material, said peripheral wall being provided with a series of circumferentially spaced openings, and substantially frusto-conical entrance tubes of reticulated material having their larger ends secured to the peripheral wall about said openings, said tubes at their smaller ends having a series of strings extending inwardly toward the center of the net, a bait bag extending inwardly from the top wall of the envelope and provided at its bottom with a draw-string, and means centrally located within the envelope to which all of said strings are secured.

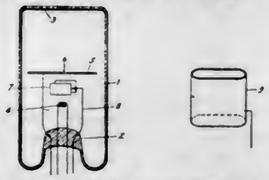
2,075,716
FOLDING AND SLIDING DOOR, WINDOW, AND THE LIKE
Albert John Harrison, London, England, assignor to Charles Edward Lucas and Sydney Charles Lucas, both of Bromley, England
Application May 29, 1936, Serial No. 82,631
In Great Britain February 19, 1935
4 Claims. (Cl. 20—20)

1. In combination with a structure having an opening, a guide track mounted at the top of said opening and comprising vertically disposed parallel spaced walls having gaps therein, a sectional closure for said opening, runners having downwardly stepped portions intermediate their ends and being pivotally attached at their intermediate downwardly stepped portions to top portions of



said closure sections, said runners being of greater length than said gaps, rollers on said runners for cooperation with the walls of said guide track, a track rail at the bottom of said opening, and rolling means at the bottoms of said closure sections cooperating with said track rail.

2,075,717
CATHODE RAY TUBE
Friedrich W. Hehlgans, Berlin-Hermsdorf, Germany, assignor to General Electric Company, a corporation of New York
Application May 23, 1933, Serial No. 672,489
In Germany June 4, 1932
2 Claims. (Cl. 250—27.5)



1. A cathode ray tube containing a source of electrons, an anode, a fluorescent screen and an electrostatic control member between said source and anode for constraining the electron beam to a flat rectangular shape whereby a strip of light is produced on said screen, said control member being hollow and having a closed perimeter, said member having a substantially elongated cross-sectional shape and being mounted at right angles to the axis of the electron beam.

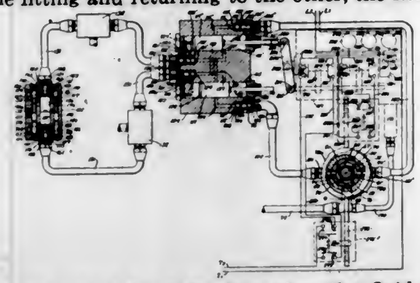
2,075,718
HEAT-RESISTING IMPLEMENT
Werner Hessenbruch, Hanau-on-the-Main, Germany, assignor to the firm Heraeus-Vacuumschmetze Aktiengesellschaft, Hanau-on-the-Main, Germany
No Drawing. Original application March 7, 1935, Serial No. 9,806. Divided and this application July 7, 1936, Serial No. 89,372. In Germany March 24, 1934
2 Claims. (Cl. 75—171)

1. As an article of manufacture and trade a heat resisting implement constructed of a chrome-nickel alloy consisting of from 1 to 30% of chromium and from 0.01 to 1.2% of metal of the cerium group, the remainder being nickel.

2,075,719
REVERSIBLE FLUID-DISTRIBUTING SYSTEM
David R. Hillis, Detroit, Mich., assignor to Trabon Engineering Corporation, Cleveland, Ohio, a corporation of Ohio
Application August 6, 1934, Serial No. 738,656
14 Claims. (Cl. 184—7)

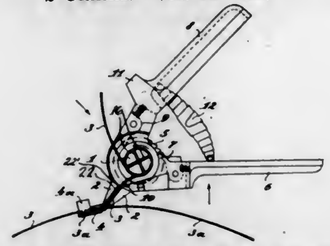
1. In combination, a pump, a flow-reversing valve connected thereto for receiving fluid therefrom under pressure and having two discharge ports and means for alternately directing fluid out of one of said ports and then out of the other,

a fluid fitting having two receiving ports respectively connected with the respective discharge ports of said valve and having two discharge ports respectively having fluid connection with the respective receiving ports, a conduit connected to and leading from one of the discharge ports of the fitting and returning to the other, the fitting



having means for indicating when the fluid has made a complete circuit through the conduit, and a fluid-discharging feeder connected to said conduit, said feeder having means for discharging a quantity of fluid to a receiving device when the fluid is moved through the conduit in either direction of flow.

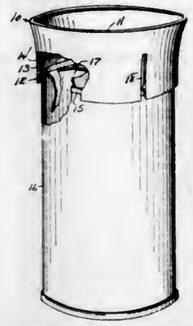
2,075,720
APPLIANCE FOR TENSIONING AND FASTENING BALE TIES
Emil Hoffmann, Cologne-Braunsfeld, Germany
Application January 28, 1935, Serial No. 3,879
In Germany April 12, 1934
2 Claims. (Cl. 81—9.1)



1. An appliance for tightening a hoop-iron bale tie and for fastening together its two overlapping ends by means of a locking clip, comprising a slotted tensioning stud for receiving the pulled end of the tie and rotatably mounted in a lever, a ratchet wheel fixedly connected to said stud, a second lever pivoted to said first lever, a driving pawl on said second lever for engaging with said ratchet wheel to turn same when both of said levers are closed together, a detent pawl on said first lever adapted to lock said ratchet wheel and stud against rotation during the opening movement of said levers, a beak on said first mentioned lever adapted to abut against one end of said clip to guide the pulled end of the tie between said clip and said tensioning stud during the tensioning of the tie, said beak also being adapted to be tilted about the engaging edge of the clip to bend the pulled end of the tie thereover when the tie has been tensioned.

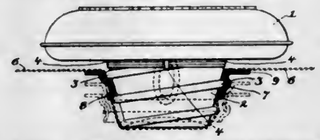
2,075,721
CAN DRINKING RIM
William B. Hommel, Geneva, N. Y.
Application July 18, 1935, Serial No. 32,109
1 Claim. (Cl. 65—13)

A rim of the character described comprising a circular body of uniform height throughout and having an unbroken outer end, and an annular seat at the inner end of said body for accommodating an end of a can body, the inner end of said circular body being walled throughout for frictional engagement with the can body when the latter is engaged in the seat, the said cir-



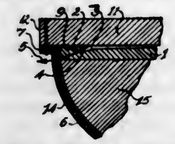
cular body being further provided with a slit extending through the inner end thereof for a distance to render the body inherently yieldable for latching engagement of the can and circular bodies with each other on the reception of the can body within the seat.

2,075,722
BUTTON FASTENER
Arthur Illsche, Rye, N. Y.
Application August 27, 1936, Serial No. 98,153
10 Claims. (Cl. 24—105)



1. A button fastener for attaching a sew-on type of button to a fabric, comprising two members provided with engaging elements cooperating to separably connect the members together, with the fabric interposed without puncture between them, one of the members having openings therein registering with the thread openings of the button, and a button attaching thread passing through the registering openings and securing the button to the last mentioned member.

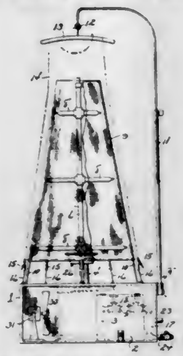
2,075,723
INSOLE FOR SKI-BOOTS
Einar Jacobsen, Halden, and Johannes Carlsson, Oslo, Norway, assignors to A/S. Ostfold Skofabrik, Halden, Norway
Application November 8, 1934, Serial No. 752,128
In Norway November 20, 1933
1 Claim. (Cl. 36—22)



An insole for ski-boots comprising a body portion and an edge portion, said edge portion being formed all around the sole edge except around the heel portion, with a double rib consisting of an exterior, upwardly bent rib and an

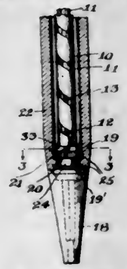
interior upwardly bent rib, both ribs being integral with the sole body portion and pasted together along their adjacent faces, so as to constitute a combined rib along the outermost edge of the sole without any exterior projecting feather.

2,075,724
GARMENT STEAMING DEVICE
Glenn Jacobs, Fairfield, Iowa
Application March 11, 1936, Serial No. 68,323
2 Claims. (Cl. 223—51)



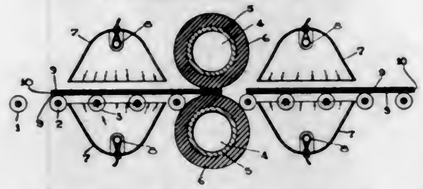
1. A garment steaming device comprising a base, means for supporting a garment above said base, a foraminous form supported by the base and extending into the garment, a hollow shaft journaled to the base and extending into the form nozzles connected to said shaft and rotatable therewith, a steam chamber carried by said base and having the shaft extending therein, blades secured to the shaft and located in the chamber, and means for admitting steam to the chamber against the blades.

2,075,725
WRITING INSTRUMENT
David Kahn, Woodcliff, N. J., assignor to David Kahn, Inc., North Bergen, Hudson County, N. J., a corporation of New Jersey
Application October 18, 1935, Serial No. 45,663
13 Claims. (Cl. 120—18)



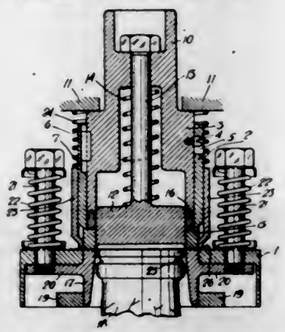
1. The method of forming a joint between a writing instrument tip and a pre-formed barrel of plastic material adapted to flow when softened, said tip being provided with means for receiving said softened material, said method comprising softening the end of the pre-formed barrel, seating the tip in the end of the barrel, allowing the softened barrel to flow into said material-receiving means, and hardening the softened tube whereby the barrel is fixedly secured to the tip.

2,075,726
METHOD OF HEATING SAFETY GLASS ASSEMBLIES
James W. Kamerer, New Kensington, Pa., assignor to Duplate Corporation, a corporation of Delaware
Application May 4, 1935, Serial No. 19,837
3 Claims. (Cl. 49—81)



1. A method of heating a non-brittle reinforcing sheet of material between a pair of glass sheets, which material softens on the application of heat, and absorbs heat more rapidly than the glass, which consists in exposing the assembly in a horizontal position to direct and reflected heat from a radiant body having a temperature of upwards of 1500 deg. F. so that the reinforcing material is heated more rapidly than the glass and brought to softening temperature.

2,075,727
MACHINE FOR MAKING AND APPLYING BOTTLE CAPS OR CAPSULES
Axel Hugo Severin Karlsson and Sven Josef Svensson, Linkoping, Sweden
Application May 17, 1935, Serial No. 22,080
In Sweden December 29, 1932
5 Claims. (Cl. 226—85)



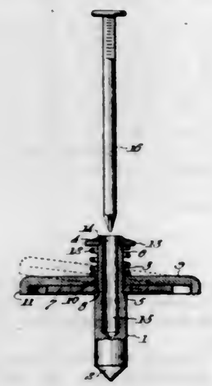
1. In a machine for cutting blanks and forming the same into caps upon bottles, the combination of a die, and means for feeding a metal strip of cap-forming material over the upper surface of the die, of cutting and forming means operable in a single operation to cut the blank from the strip and to form and apply the cap to the bottle end and neck; said cutting and forming means comprising a stamp member having a cutting edge cooperating with said die to shear the blank from the strip, a second stamp member, an elastic annulus between said members and confined on one side by one of said members, means for applying pressure to one of said stamp members to actuate both stamp members during the cutting and forming operations, a plunger within said members to prevent deformation of the elastic annulus during the cutting and forming of the blank, and means for stripping the stamping members from the strip of material after a cap has been formed and applied to a bottle.

2,075,728
BOW HOLDER
Stephen F. Kayn, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application July 1, 1935, Serial No. 29,251
1 Claim. (Cl. 132—47)



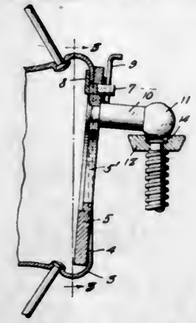
A hair ribbon bow holder comprising a hair engaging member having a pair of vertically disposed spring legs formed to grip hair therebetween, a bow engaging plate secured to the outer face of the front leg at the upper end of the latter and extending longitudinally of said leg, a bow holding member pivoted to the top of said plate to cooperate therewith to hold the bow and having its lower end terminating adjacent the outer face of and between the ends of the said front leg, and means to hold the bow holding member in bow holding position.

2,075,729
PERCUSSIVE SPINNING TOY
Charles L. Kee, Portsmouth, Va., assignor, by direct and mesne assignments, to William H. Finckel, Jr., trustee, Washington, D. C.
Application September 9, 1936, Serial No. 99,982
2 Claims. (Cl. 46—176)



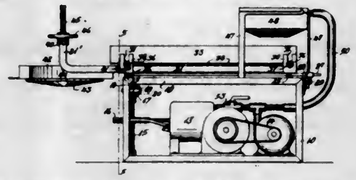
1. A spinning toy, comprising a stem providing the rotative axial support for the toy while spinning, said stem provided with a shoulder, a disk supported by said shoulder and fixed relatively to said stem, a disk complemental to said fixed disk and movable with relation thereto substantially axially of said stem to permit insertion of a detonating charge between the disks, said movable disk provided with a peripheral flange encircling the periphery of said fixed disk, and resilient means reacting between said stem and movable disk for normally maintaining said disks in surface contact, said flange serving to limit radial emission of and to downwardly direct flame and gas incident to explosion of said charge caused by percussion of said disks in the act of spinning the toy.

2,075,730
SUPPORT AND LIFTING ATTACHMENT FOR WHEELS
Earl N. Kersey, Tampico, Tamps, Mexico
Application July 22, 1935, Serial No. 32,647
2 Claims. (Cl. 254—133)



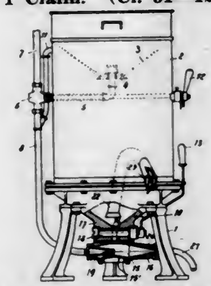
1. In combination with a motor vehicle wheel having a hub provided with a flange, a plate positioned to have one end thereof engageable with the flange and inwardly of the hub with the opposite end of said plate engaging said flange outwardly of the hub, means detachably securing said plate to the hub, and means carried by said plate to engage with a jack outwardly of the hub.

2,075,731
SEPARATING AND CLASSIFYING APPARATUS
Walter Philip Laesch, Brighton, Colo., assignor to Horace Wills, Denver, Colo.
Application May 11, 1933, Serial No. 670,416
3 Claims. (Cl. 209—479)



1. Apparatus of the character described comprising, in operative combination, a fixed base, a frame carried by said base and movable horizontally thereof, pivotal means fixed to said base and slidingly engaging one end of said frame, rotatably-driven means carried by said base and eccentrically engaging the other end of said frame for transmission of circular motion in a horizontal plane thereto, a classifying table carried by said frame and positioned with its intake end adjacent said pivotal connection and its discharge end adjacent the other end of said frame, means for feeding comminuted material to the intake end of said table, a circular, shallowly-concaved, supplementary classifier hinged to and for agitation with the end of said frame beyond and in position to receive the material from the discharge end of said table, and means engaging between said frame and said supplementary classifier to support and adjustably position the latter for actuation through a vertical arc relative to the former, whereby material fed to said table is subjected to uniform agitation longitudinally of the table and supplementary classifier and to simultaneous lateral agitation increasing in amplitude as the material approaches the discharge end of the apparatus.

2,075,732
SANDBLAST APPARATUS
Emile Lauffer, Liege, Belgium
Application May 13, 1935, Serial No. 21,266
In Belgium May 19, 1934
1 Claim. (Cl. 51—12)



In a sand blast apparatus, a sand receptacle having at its lower part a regulated passage, a sand and air mixing chamber communicating with the passage, said mixing chamber being composed of two frusto-conical sections joined at their large bases at the axis of the sand passage, a horizontally disposed air nozzle closing one end of the chamber and extending into the mixing chamber and terminating approximately in the plane of the vertical axis of the sand passage, a frusto-conical duct arranged against the inner wall of the mixing chamber at the end opposite the air nozzle, a delivery pipe extending from said duct, the inner end of said duct being situated in said mixing chamber at the point where the divergent air stream escaping from the air nozzle reaches the inner wall of the mixing chamber, the lower part of said mixing chamber being made tangent to the said divergent air stream.

2,075,733
RESISTANCE AND IMPEDANCE ELEMENTS FOR ELECTRIC CIRCUITS
Meyer Lazarus, Brooklyn, N. Y., assignor to Coprox, Incorporated, Brooklyn, N. Y.
Application March 11, 1936, Serial No. 68,242
6 Claims. (Cl. 201—76)



1. A self sustaining resistance or impedance element for electric circuits comprising a continuous carrier of metal adapted to have a permanent layer of oxide formed thereon when it is heated at a suitable temperature, a layer of substantially metallic oxide of said carrier on said carrier integral therewith, said carrier extending from end to end of said layer, said layer being a product of oxidation of the carrier obtained by heating the carrier in air at a suitable temperature, and a plurality of conductors on said layer spaced apart from each other on the surface of said layer on the side thereof which is remote from said carrier and out of contact with said carrier, to serve as contacting terminals or electrodes for said element.

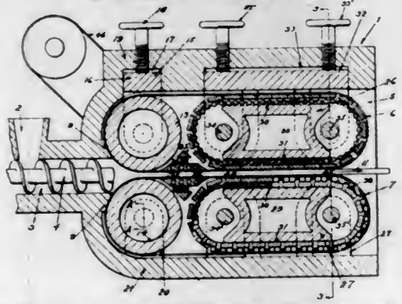
2,075,734
VEHICLE BRAKE
Christian N. Lieb, Findlay, Ohio
Application June 9, 1936, Serial No. 84,362
5 Claims. (Cl. 188—5)

1. In a braking mechanism for use with an automobile having a clutch pedal, a pair of ground engaging brake shoes swingably mounted at the rear of the automobile for movement to ground engaging and disengaging positions, respectively, and tensioned for movement to en-



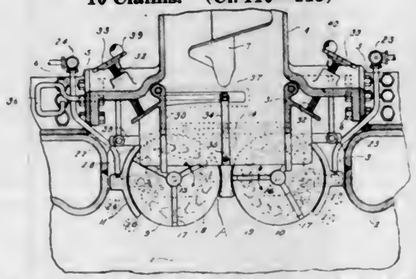
gaging position, releasable locking means for holding said shoes against such engaging movement, and brake disengaging means operative by the clutch pedal of the automobile.

2,075,735
CONTINUOUS METHOD OF AND APPARATUS FOR MAKING PLASTIC PRODUCTS
Evarts G. Loomis, Newark, N. J.
Application December 1, 1931, Serial No. 578,261
Renewed August 14, 1936
8 Claims. (Cl. 18—6)



2. Pressing and molding mechanism of the type described, comprising, a frictionless nozzle, endless bands passing over hollow cylinders and endless tracks consisting of a series of heavy metal blocks, said cylinders and said blocks being mounted so as to revolve on respective axes and to have a minimum of frictional resistance, means for forcing a plastic mass through said frictionless nozzle, and means for regulating the pressure and temperatures to which the extruded mass is subjected.

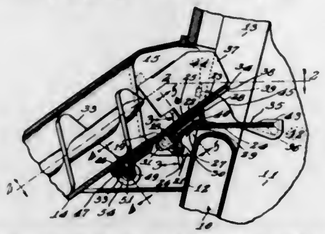
2,075,736
FUEL DISTRIBUTING APPARATUS
Nathan M. Lower, Erie, Pa., assignor to The Standard Stoker Company, Inc., a corporation of Delaware
Application August 27, 1931, Serial No. 559,661
Renewed July 16, 1935
10 Claims. (Cl. 110—115)



2. In combination with a firebox having a firing opening, means for delivering fuel to said

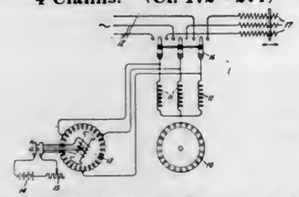
firing opening, a plurality of disks arranged to receive fuel from said means and discharge it into the firebox, means for transversely varying the fuel receiving area of said disks and means for longitudinally varying the point of reception of fuel on said disks.

2,075,737
LOCOMOTIVE STOKER
Charles J. Surdy, Tuckahoe, N. Y., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Application May 26, 1934, Serial No. 727,624
9 Claims. (Cl. 110—101)



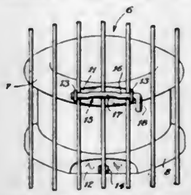
1. The combination in a furnace having a wall with a firing opening therethrough, of a stoker conduit outside the furnace for delivering fuel thereto, said conduit including a discharge mouth in communication with said firing opening, the bottom of said discharge mouth being recessed to provide an opening therein, a separate plate member at the recessed portion of said discharge mouth forming a closure for the opening therein, said plate member being arranged for adjustable movement longitudinally of the stoker conduit, a pressure fluid jet member at the underside of said plate member, a distributor table at said firing opening extending forwardly from said jet member, said jet member being separate from said plate member and arranged to issue blasts of pressure fluid over said distributor table, and means for urging fuel through said conduit and along said plate member onto said distributor table into the zone of action of the pressure fluid blasts.

2,075,738
DYNAMIC BRAKING OF INDUCTION MOTORS
Campbell Macmillan, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 26, 1936, Serial No. 65,823
4 Claims. (Cl. 172—274)



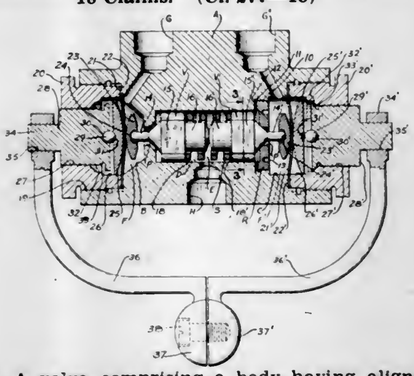
1. In combination, an induction motor having a low-resistance squirrel cage secondary winding and a primary winding, apparatus for dynamically braking said motor comprising an impedance, switching means for connecting said impedance across the primary winding of said motor during a dynamic-braking operation thereof, and a synchronous condenser adapted to be connected across the primary winding of said induction motor and to operate at synchronous speed when the induction motor is operating as a motor and to remain so connected to supply excitation to said motor during a dynamic-braking operation thereof, said synchronous condenser operating, during the dynamic-braking operation, as a synchronous generator at a gradually decreasing speed under its own momentum.

2,075,739
BIRD NEST
Andrew McFarlane, Maspeth, N. Y.
Application August 27, 1935, Serial No. 38,098
4 Claims. (Cl. 119—45)



1. A bird's nest comprising a body having a concave recess extending downwardly from its top, in combination with a cage having vertical bars, horizontally spaced eyelets projecting from said body and positioned adjacent bars of the cage, and a crank pin passing thru said eyelets and having an eccentric portion adapted to be turned into pressing relation to one of the bars of the cage to effectively hold the nest to the cage.

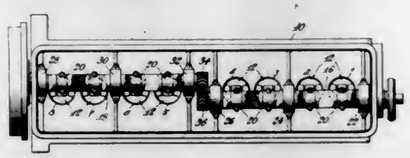
2,075,740
DUPLEX VALVE
William F. McKay, Maplewood, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 28, 1934, Serial No. 717,697
18 Claims. (Cl. 277—18)



1. A valve comprising a body having aligned cylindrical chambers and a coaxial port connecting said chambers; a valve in one of said chambers controlling said port and having a stem projecting through said port into the other of said chambers, a bushing secured to said body in line with said chambers; an adjustable valve-actuating element carried by said bushing; and means for transmitting pressure from said element to said valve stem comprising an imperforate diaphragm clamped to said body by said bushing and constituting a wall of the chamber into which said stem projects, the pressure-transmitting means also comprising a pair of plates,

one of said plates being operatively associated with said valve stem and having a convex surface that engages one face of said diaphragm, and the other plate being operatively associated with said actuating element and having a convex surface that engages the other face of said diaphragm.

2,075,741
CRANKSHAFT
Gustav A. Miller, Bloomington, Ill.
Application February 11, 1935, Serial No. 6,078
2 Claims. (Cl. 121—117)



1. In an internal combustion engine, a plurality of cylinders and pistons arranged in straight alignment, a crank shaft comprising two parts operatively connected together for rotation in opposite directions, said crank shaft parts being arranged in parallel spaced-apart relation, and connections between the pistons and the crank shaft.

2,075,742
SHAPED BODIES MANUFACTURED FROM AN ALLOY OF TUNGSTEN CARBIDE OR MOLYBDENUM CARBIDE
Kurt Moers, Berlin-Steglitz, Germany, assignor to General Electric Company, a corporation of New York
No Drawing. Application May 22, 1935, Serial No. 22,784. In Germany June 1, 1934
7 Claims. (Cl. 75—136)

1. Shaped bodies produced by pressing, sintering and a subsequent mechanical treatment from an alloy containing 25% to 40% of an auxiliary metal of the iron group, 1% to 5% of titanium carbide, the remainder consisting of tungsten carbide.

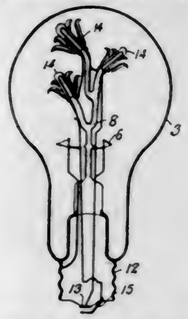
2,075,743
MORDANT AZODYESTUFFS AND THEIR PRODUCTION
Max Müller, Basel, Switzerland, assignor to the firm Durand & Huguenin S. A., Basel, Switzerland
No Drawing. Application December 21, 1934, Serial No. 760,063. In Germany December 27, 1933
7 Claims. (Cl. 260—97)

6. Mordant azodyestuffs corresponding to the following general formula:

$$R_1—N=N—R_2—NH—R_3$$

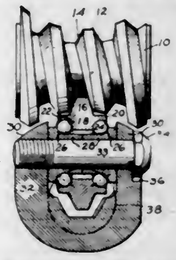
wherein R_1 represents a benzene nucleus containing as substituents a hydroxy and a carboxylic group in ortho-position to one another, R_2 stands for a benzene nucleus bearing at least one member of the group consisting of hydrogen, methyl, methoxy, sulpho, carboxylic and nitro, the three last named substituents not being in ortho-position to the NH-group, and R_3 stands for a nitrated phenyl radical having no sulpho or carboxylic groups, said dyestuffs constituting yellow to brown powders, being in form of their alkali-metal salts soluble in water to yellow or brown solutions, dissolving in concentrated sulphuric acid with red-orange to violet coloration and yielding in chrome printing yellow to brown shades of good fastness properties.

2,075,744
DECORATIVE ILLUMINATING BULB
Somenosuke Muramatsu, Oakland, Calif.
Application March 2, 1936, Serial No. 66,740
1 Claim. (Cl. 176—14)



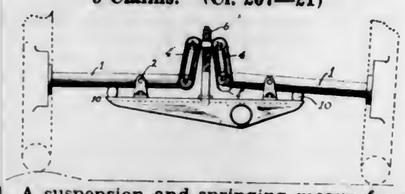
In an illuminating device having the customary base and filament enclosing bulb, of a filament positioned therein, a fused support positioned within said bulb and having miniature illuminating bulbs positioned thereon, ornamental structures mounted on said support and illuminated by said miniature bulbs, said miniature bulbs being electrically connected in series and a switch carried on the base of said device for short circuiting said miniature bulbs, whereby said filament is illuminated.

2,075,745
BEARING MOUNTING
William T. Murden, Forestville, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 12, 1932, Serial No. 646,821
3 Claims. (Cl. 74—500)



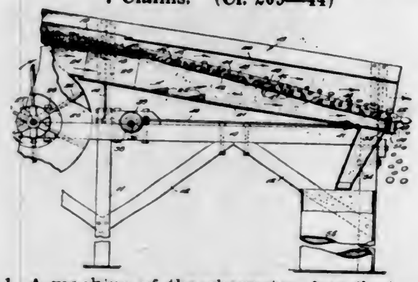
1. A toothed worm follower assembly for use in automobile steering gear and the like comprising an outer race member having an annular tooth on the outer surface thereof, angular contact raceways in said outer race member, a pair of inner race members extending within the outer race member and each provided with an angular contact raceway cooperating with one of the first named raceways, anti-friction members in said raceways, and means for holding said inner race members in abutment, said inner race members being of such length that when their inner ends are brought into abutment all lost motion in the bearing is taken up and there is insurance against looseness in the bearing under both radial and thrust loads, and yet the said abutment of said inner race members prevents cramping or overloading in assembling.

2,075,746
SUSPENSION AND SPRINGING MEANS FOR MOTOR-CARS AND MOTOR VEHICLES
Abram Neiman, Cologne, Germany
Application August 7, 1934, Serial No. 738,881
In Germany August 7, 1933
5 Claims. (Cl. 267—21)



1. A suspension and springing means for motor vehicles comprising a pair of half-axles, a supporting frame connected to said vehicle, pivoting means connecting said axles to said frame, elongated resilient bands connecting said frame and said half-axles, and resilient means mounted on said frame for intercepting said axles.

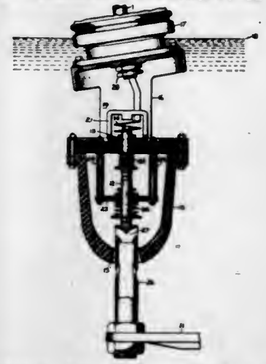
2,075,747
DRY PLACER MACHINE
Otto Nolte, Twin Bridges, Mont.
Application February 29, 1936, Serial No. 66,489
7 Claims. (Cl. 209—44)



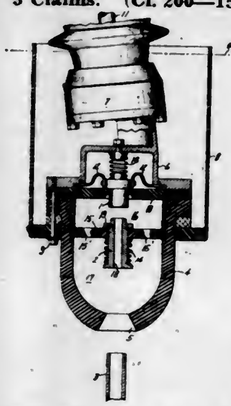
1. A machine of the character described comprising a stand, upright leaf spring members carried thereby, an inclined vibrating box carried by said springs and having a bottom forming a concentrates floor, a feed plate, fine and coarse screens within said box and related with the feed plate, a top coarse discharge board within said box, a throat formed with the bottom of said box, a blower having loose connection with said throat, means for vibrating the box, and a riffle ladder swingingly mounted within the box and resting upon the fine screen.

2,075,748
ELECTRIC CIRCUIT BREAKER
William E. Paul, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 1, 1935, Serial No. 34,178
8 Claims. (Cl. 175—294)

1. An electric circuit breaker of the oil-blast type comprising an arc-extinguishing liquid, circuit interrupting structure immersed in said liquid including means forming a pressure generating arc, means forming a main arc, means utilizing the pressure of said first arc for directing liquid through said main arc, and means responsive to predetermined current through said breaker for controlling formation of said pressure generating arc prior to the main circuit opening movement of said breaker.



2,075,749
ELECTRIC CIRCUIT BREAKER
William E. Paul, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 1, 1935, Serial No. 34,179
5 Claims. (Cl. 200—150)

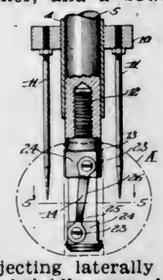


1. An electric circuit breaker of the oil-blast type comprising an explosion pot, relatively movable contact structure including fixed, intermediate and tubular contacts coacting in said pot and arranged to form two breaks in series, the arc at one of said breaks creating pressure within said pot for driving a blast of arc extinguishing liquid through the arc at the other break, said intermediate contact having a passage generally in registry with said tubular contact for transmitting pressure from said pot to the interior of said tubular contact prior to separation of said intermediate and tubular contacts.

2,075,750
SEED CELLING KNIFE
John W. Pease, Rochester, N. Y.
Application September 5, 1934, Serial No. 742,773
3 Claims. (Cl. 146—52)

1. In a seed celling machine for apples and the like, the combination with means for supporting a cored apple against rotation thereon, a spindle arranged axially of said supporting

means to enter and to withdraw from the core hole of an apple on the support when said elements are moved relatively in an axial direction, means for rotating one of said elements relatively to the other, and a bowed seed celling



knife blade projecting laterally from the head of the spindle and rigidly secured thereto at both ends, said blade having a cutting edge inclined convergently to the plane of the axis in a direction toward the end of the head.

2,075,751

METHOD OF RECLAIMING WASTE MATERIAL FOR REUSE AND PRODUCTS MADE THEREBY

Ralph W. B. Reade, Newton Center, Mass., and Harold L. Levin, Nutley, N. J., assignors to The Patent and Licensing Corporation, Boston, Mass., a corporation of Massachusetts

No Drawing. Application April 3, 1931, Serial No. 527,612
2 Claims. (Cl. 91—68)

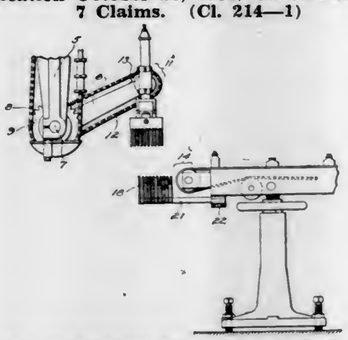
1. Prepared roofing material comprising a felt fibrous base impregnated with waterproofing material and coated on a surface thereof with a layer of bitumen having a melting point of 200 to 240° F., said coating carrying a filler comprising pulverized scrap asphalt roofing in an amount approximating 1/10 the weight of the bitumen, said filled coating being liquid at temperatures between 350 and 475° F.

2,075,752

LEHR STACKER

George E. Rowe, Wethersfield, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application October 26, 1934, Serial No. 750,120
7 Claims. (Cl. 214—1)



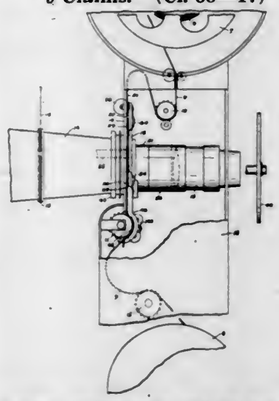
1. In combination with a receptacle for receiving articles of glassware from a conveyor, and a lehr stacker comprising an oscillating arm having tongs members carried thereby, said receptacle and said tongs members being constructed and arranged for the closing of the tongs in interdigital relation with the receptacle, and for the removal of articles of glassware from said receptacle by said tongs, and means for oscillating said arm to move said tongs members toward and away from said receptacle.

2,075,753

SAFETY DEVICE FOR MOTION PICTURE MACHINES

Henry G. Weiss, Cincinnati, Ohio, assignor to William R. Todd, Montgomery, Ohio

Application April 10, 1933, Serial No. 665,266
9 Claims. (Cl. 88—17)



1. A motion picture projecting apparatus having in combination an apertured projector for casting a beam of intense concentrated light through a length of normally moving combustible film having side edge portions bounding the central picture portion of the film, an apertured film gate plate, means for moving the film past the apertures of the gate plate and the projector and in the path of the concentrated light beam, spaced tracks adjacent to the projector aperture and upon which the side edges of the film may ride during movement of the film past the aperture, yieldingly urged shoe members having solid faces for contacting the side edges of the film and maintaining said side edges in contact upon the tracks, whereby to provide a protective closely fitting cover for the side edges of the film, and a pair of barrier members normally extending longitudinally of the tracks slightly outwardly therefrom and closely adjacent but exteriorly of the shoe members, for limiting access of air to the region of the projector aperture when the film gate plate is positioned to cover said barrier members, to the extent that insufficient air is admitted to sustain combustion of the film at the side edges thereof in the region of said aperture.

2,075,754

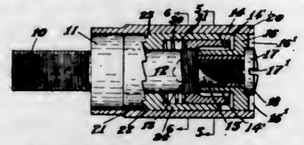
ADJUSTABLE SPRING RATCHET FOR MICROMETER SPINDLES

Arthur E. Williams, Athol, Mass., assignor to The L. S. Starrett Company, Athol, Mass., a corporation of Massachusetts

Application November 7, 1935, Serial No. 48,701
13 Claims. (Cl. 33—164)

1. A feeler device for the spindle of a micrometer gage, comprising a shell and a stud, toothed yieldably engaging annular members one member being fixed in the shell and the other member being slidable along said stud, a spring disposed in said shell and yieldably urging said slidable member into contact with said fixed

member, an adjusting block in the shell end, a nut held against rotation in said shell and having threaded engagement with said stud and longitudinally movable under the influence of the



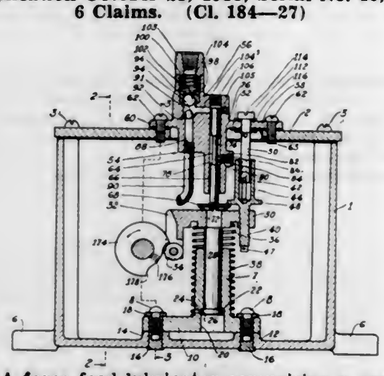
adjusting block, for adjusting said slidable member towards and away from said fixed member to change the effective spring pressures and vary the ratchet engagement.

2,075,755

FLUID PUMPING DEVICE

Harry J. Anderson, Chicago, Ill., assignor to Hills-McCanna Company, Chicago, Ill., a corporation of Illinois

Application October 23, 1935, Serial No. 46,370
6 Claims. (Cl. 184—27)



6. A force feed lubricator comprising a casing, a cylinder mounted rigidly on one side of said casing, a piston slidably mounted in said cylinder, means to reciprocate said piston, a pumping unit rigidly mounted on the opposite side of said casing in operative relation to said piston, said pumping unit having a barrel with a plunger slidably mounted therein, means for adjusting the stroke of said plunger without changing the stroke of said piston, and means for removing said pumping unit without disturbing said piston.

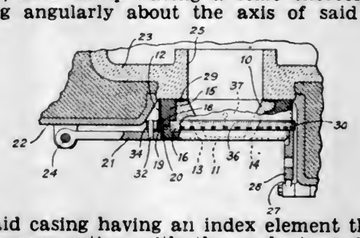
2,075,756

ADJUSTABLE NONCIRCULAR ORIFICE RING STRUCTURE FOR GLASS FEEDERS

William T. Barker, Jr., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application January 31, 1936, Serial No. 61,695
6 Claims. (Cl. 49—55)

6. In an orifice structure for glass feeders, a refractory orifice ring, a casing surrounding the orifice ring in spaced relation with the side walls thereof, said casing having a bottom provided with a central opening constituting a seat for the lower end portion of the orifice ring, insulation in the casing between the casing and the orifice ring, mating lugs or projections carried by the orifice ring and the casing, respectively, and co-engaging to prevent relative rotative movement between the casing and said orifice ring, a carrier rotatably supporting said casing and the orifice ring and the insulation as a unit, a clamp surrounding the casing and fixed to the carrier for releasably securing said unit against rotary movement independently of the carrier, said clamp having a scale thereon extending angularly about the axis of said unit



and said casing having an index element thereon for cooperating with the scale to indicate rotary movement of the unit on the carrier, and for showing the angular position of a given transverse axis of the orifice ring with relation to a fixed base line.

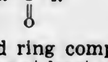
2,075,757

METAL TREATMENT

Victor Conquest, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 29, 1936, Serial No. 88,066
20 Claims. (Cl. 91—68)

11. The process of protecting the surface of metals against corrosion which includes treating the surface with a ketonic material composed of at least one ketone having the formula



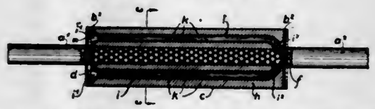
wherein R is a closed ring compound and R' is an alkyl radical having at least six carbon atoms.

2,075,758

EXHAUST PIPE

Alfred Freund, Breslau, Germany, assignor of one-half to Albert Cohn and one-half to Robert Schlesinger, both of Breslau, Germany

Application June 11, 1936, Serial No. 84,774
In Germany May 19, 1936
11 Claims. (Cl. 181—46)



1. Sound deadening exhaust pipe for internal combustion engines, comprising an inner lining of heatproof substances, a metal cylinder surrounding the inner lining, a straight exhaust channel having no appreciable variations over the entire length of the pipe, a sieve tube for carrying the inner lining, said inner lining representing a multiple of the thickness of the surrounding metal cylinder, and air pipes extending in the longitudinal direction of the pipe and open in front in driving direction, said air pipes communicating with the inner lining and opening in the rear into the exhaust channel.

2,075,759

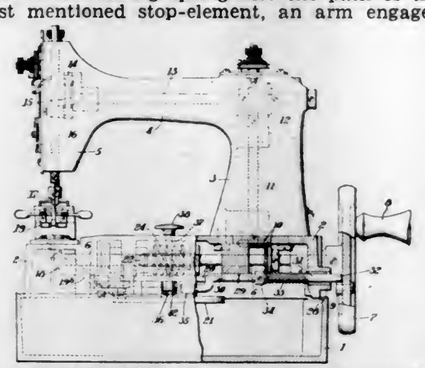
STOP-MOTION DEVICE FOR SEWING MACHINES

Hermann Gunther, Elizabeth N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application June 27, 1935, Serial No. 28,651
2 Claims. (Cl. 112—219)

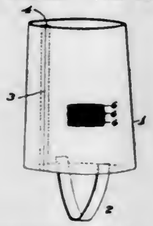
1. A sewing machine having, in combination, a frame, stitch-forming mechanism, a work-

clamp, a main shaft, a feed-cam disk geared down from and driven by said main shaft, means actuated by the feed-cam disk to relatively move the switch-forming mechanism and work-clamp to sew a group of stitches, a stop-element rotating with the main shaft, a cooperating spring biased stop-element movable against the resistance of its biasing spring into the path of the first mentioned stop-element, an arm engaged



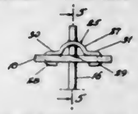
by said cooperating stop-element and mounted in the frame of the machine for swinging movement about a fixed axis and for bodily movement longitudinally of said axis toward and away from the plane of said feed-cam disk, means on said feed-cam disk for swinging said arm about said fixed axis, and manually operated means for moving said arm bodily longitudinally of said axis out of engagement with said feed-cam disk.

2,075,760
ANKLE PROTECTOR
Richard Hesse, Pawtucket, R. I., assignor to Everlastik, Inc., Chelsea, Mass., a corporation of Massachusetts
Application February 6, 1935, Serial No. 5,217
1 Claim. (Cl. 36—2)



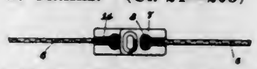
An ankle protector adapted to be worn over the stocking of the wearer either inside or outside the shoes and embracing the ankle and adjacent portion of the leg, said article having a body of elastic fabric material fashioned and seamed to have a generally cylindrical form and composed of easy and long stretch rubber yarns and substantially inelastic yarns, the rubber yarns being arranged to extend circumferentially around the ankle and adjacent portion of the leg of the wearer in spaced rows, the inelastic yarns forming the main portion of the fabric body and being arranged to maintain the rubber yarns in proper spaced relation and permitting relatively long stretch of the rubber yarns, the rubber yarns having such expansibility as will enable the article to embrace the ankle and leg over a wide variation in size and become tensioned sufficiently only to prevent themselves, held spaced as aforesaid, from slipping down to overlap one another whereby the article is self-supporting and needs no auxiliary fastening to hold it up.

2,075,761
ELECTRON DISCHARGE TUBE AND THE LIKE
Joseph J. Jackman, Danvers, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application September 28, 1936, Serial No. 102,875
5 Claims. (Cl. 250—27.5)



1. In an electrode assembly the combination of an insulator member, a support rod passing through said member, a metal tab having its ends fastened to said member and having a portion intermediate its ends offset from said member, said offset portion being fastened to said side-rod.

2,075,762
SEPARABLE INTERLOCKING FASTENER AND METHOD OF MAKING SAME
Roland S. Kelley, Meadville, Pa., assignor to Hookless Fastener Company, a corporation of Pennsylvania
Application July 10, 1933, Serial No. 679,688
10 Claims. (Cl. 24—205)



8. A separable interlocking fastener of the class described, comprising in combination a pair of flexible tapes, bearing members firmly secured to the edges of said tapes at spaced intervals thereon, and interlocking fastener members one on each of said bearing members, said fastener members being rigidly secured to said bearing members.

2,075,763
SEPARABLE INTERLOCKING FASTENER AND METHOD OF MAKING SAME
Roland S. Kelley, Meadville, Pa., assignor to Hookless Fastener Company, a corporation of Pennsylvania
Application July 10, 1933, Serial No. 679,687
Renewed July 14, 1936
5 Claims. (Cl. 24—205)

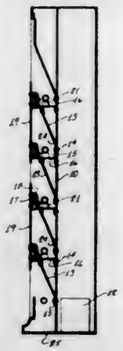


1. A separable interlocking fastener of the class described including a flexible tape, a series of non-metallic fastener members in uniformly and closely spaced relation along the edge of said tape, and metallic attaching members secured to the non-metallic fastener members and disposed between said non-metallic fastener members and tape, said metallic members having prongs engaging in said tape.

2,075,764
ILLUMINATED DISPLAY APPARATUS
Raymond L. Marten, St. Louis, Mo., assignor to Crystal Electric Sign Company, St. Louis, Mo., a corporation of Missouri
Application July 6, 1936, Serial No. 88,983
1 Claim. (Cl. 40—130)

A sign of the type described comprising a vertical series of elongate, horizontally extending

reflector plates, uniformly spaced and disposed in inclined, relatively parallel planes, sign characters, spring clips secured to the characters for mounting the characters on said plates, each of said clips including a portion inclined with respect to the plane of character, adapted for surface engagement with a reflector plate and a re-

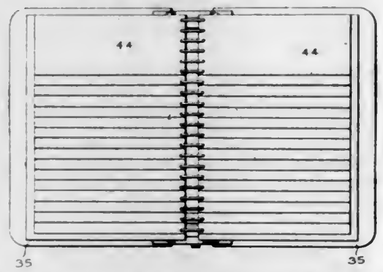


silient finger, the upper margin of the reflector plate being adapted to be clamped between said inclined portion and resilient finger whereby the character is secured in angular relation to the reflector plate; and a luminous discharge tube disposed behind the upper margin of each reflector plate.

2,075,765
LIQUID XYLYLHEPTADECYL KETONES AND PROCESS OF PREPARING THE SAME
Anderson W. Ralston and Carl W. Christensen, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 8, 1936, Serial No. 104,703
6 Claims. (Cl. 260—131)

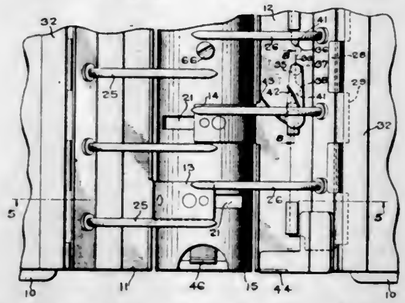
1. A normally liquid mixture of xylylheptadecyl ketones.

2,075,766
LOOSE LEAF BINDER
Benjamin G. Rand, North Tonawanda, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Application August 14, 1931, Serial No. 557,161
13 Claims. (Cl. 129—13)



11. A loose leaf binder, comprising a back member, an arcuate guide member on said back member, prong carrying slide members mounted for sliding movement transversely on said guide member to open and closed positions, and an actuator member slidably mounted on said back member and operable to control movement of said slide members.

2,075,767
SHIFTABLE BINDER
Benjamin G. Rand, North Tonawanda, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Application August 14, 1931, Serial No. 557,162
5 Claims. (Cl. 129—13)



1. In a binder, a guide member having an arcuate surface, a pair of slide members attached to the guide member for sliding movement over the arcuate surface thereof, a plurality of posts carried by each of said slide members, the posts being movable to overlapped position or to spaced position by movement of said slide members, and means having coacting engagement with the slide members at a plurality of locations for releasably retaining the slide members in open, closed or intermediate positions.

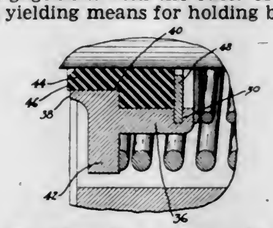
2,075,768
FIBER COMPOSITION AND METHOD OF MAKING THE SAME
Steven Wilson, Cleveland, Ohio, assignor, by direct and mesne assignments, of thirty-seven and one-half per cent to Thurlow G. Gregory and twenty-five per cent to William J. Wesseler, East Cleveland, Ohio
No Drawing. Application December 23, 1931, Serial No. 582,885
5 Claims. (Cl. 167—13)

1. A method of forming articles with elements having germicidal characteristics effective upon superficial bacteria as well as acting as a preservative for the binder, which includes the steps of intermixing dry water-soluble germicidal elements into dry fibers as a cold process, separately mixing animal glue with water and bichromate of potassium to form a stringy mass, adding such stringy mass as a binder to the mixture of germicidal elements and fibers and mechanically mixing the same while substantially dry into a plastic mass, and pressing said mass into the desired form of article.

2,075,769
SEAL FOR REFRIGERATING APPARATUS
Alex A. McCormack, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 24, 1934, Serial No. 749,784
3 Claims. (Cl. 286—7)

1. A shaft seal including a wall member having a shaft opening therein, a shaft member passing through said shaft opening, one of said members being provided with a sealing surface and the other of said members also having a sealing surface formed thereon, a sealing means for sealing the shaft opening, said sealing means including a sealing surface comprising a metal portion and a resilient rubber-like portion both of which por-

tions are adapted to make sealing engagement with the sealing surface of one of said members, said resilient rubber-like portion of said sealing means having a part thereof also adapted to make sealing engagement with the other of said members, and yielding means for holding both of said



portions of said sealing surface of said sealing means in sealing engagement with the sealing surface on one of said members and for holding the said part of the resilient rubber-like portion of the sealing means in sealing engagement with the sealing surface on the other of said members.

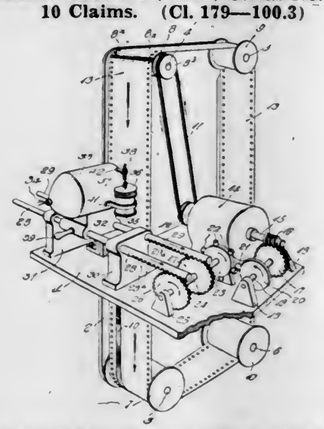
2,075,770

FILM AND RECORDING SYSTEM THEREFOR

Gordon Brown Scheibell, Newark, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application March 12, 1931, Serial No. 522,095

10 Claims. (Cl. 179—100.3)



1. An apparatus for recording sound on film comprising, a continuous photosensitive film band, a driving system for moving said film band continuously in one direction, a recording head disposed adjacent said continuous film band for directing a narrow beam of light on a restricted longitudinal portion thereof, and an intermittent motion mechanism driven by said driving means for moving said recording head transversely of said film at approximately the end of each complete revolution of said continuous film band whereby said beam of light is directed upon an adjacent longitudinal portion of said film during a succeeding revolution of said film band.

2,075,771

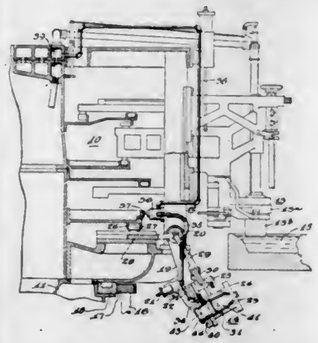
METHOD OF AND APPARATUS FOR PRODUCING GLASS CONTAINERS WITH REENTRANT BOTTOMS

Leonard D. Soubier, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application August 16, 1934, Serial No. 740,130

7 Claims. (Cl. 49—9)

2. In a machine for producing glass containers, a finishing mold in which a blank is adapted to be placed for final expansion, a bottom former including a plunger mounted for reciprocation axially of the former and mold and adapted for



projection into the mold, means for applying vacuum to the mold and thereby expanding the blank therein, and means whereby such application of vacuum causes movement of the plunger into the mold.

2,075,772

STUD OR JOIST

Michael G. Vass, Maywood, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application August 9, 1935, Serial No. 35,420

3 Claims. (Cl. 72—115)



1. A building member comprising a pair of elongated flat strips in spaced, parallel relation, and zig-zag bar sections connecting said strips, alternate bar sections extending from one edge of one strip to the diagonally opposite edge of the other strip and the remaining bar sections extending between adjacent edges of said strips.

2,075,773

BUILDING CONSTRUCTION

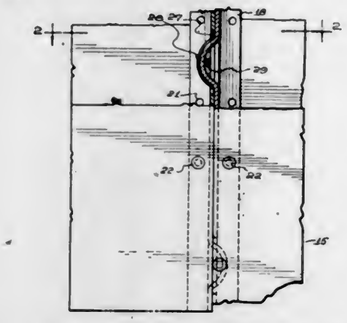
Michael G. Vass, Maywood, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application August 9, 1935, Serial No. 35,421

11 Claims. (Cl. 72—46)

1. A building unit, comprising a pair of wall panels in spaced, parallel relation, complementary stud members secured along each opposite edge of said panels to form a preformed

unit, said stud members being arranged to interengage one with the other to form a par-



tition, and means for rigidly and removably locking said stud members together.

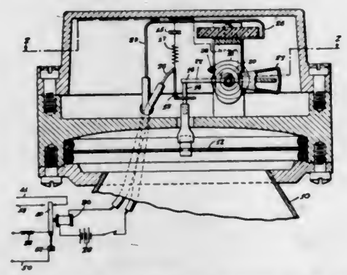
2,075,774

VIBRATION ACTUATED CONTROLLER

Stratford B. Allen, Arlington, Mass., assignor to Everett E. Kent, Newton, Mass.

Application July 24, 1933, Serial No. 682,037

10 Claims. (Cl. 175—320)



1. An electric controller, comprising a vibratory diaphragm adapted to receive vibrations and having a contact on itself in a circuit, a contactor pivotally mounted and contacting with the diaphragm contact to make and break that circuit, the diaphragm and contactor having different vibration frequencies, said contactor being pivoted at its center of mass so as to be free of gravity effects, means biasing said contactor with respect to the diaphragm, and means in said circuit, responsive to variations in current flow and energized by the current through said contact and contactor.

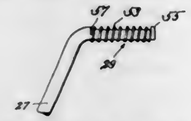
2,075,775

FILLING-FEELER FOR LOOMS

Edwin W. Barrett, Barrington, R. I., assignor to Warren Textile and Machinery Supply Co., Warren, R. I., a corporation of Rhode Island

Application December 12, 1935, Serial No. 54,057

6 Claims. (Cl. 139—287)



1. In a side-slipping feeler, a filling-engaging tip comprising a portion presented flatwise to the filling, such portion being terminated at each end by a shoulder of greater transverse extent than the intervening portion, and a helical spring having an internal diameter normally less than the cross-sectional diameter of said portion, surrounding said portion in coaxial relation and held from relative movement in use by its tight fit about said portion and by the engagement of its ends with the said shoulders.

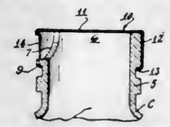
2,075,776

CONTAINER

Herbert A. Barnby, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application March 6, 1935, Serial No. 9,557

1 Claim. (Cl. 215—37)



In combination, a glass container adapted to be molded in a conventional molding apparatus and to be closed by a rotary side port cap, said container including a circular neck defining a filling opening and having a top sealing surface adapted for contact with a cap, said neck also having a side discharge port so formed as to break through the otherwise continuous sealing surface, said rotary cap including a ported attaching flange and means rotatably securing the cap in position on the container.

2,075,777

TIRE CARCASS CORD AND MANUFACTURE OF SAME

Carl R. Brownell, Worcester, Mass., assignor to Worcester Tire Fabric Company, Worcester, Mass., a corporation of Massachusetts

Application June 26, 1933, Serial No. 677,616

3 Claims. (Cl. 117—52)



1. As a new article of manufacture, a tire carcass cord having an extra degree of twist as compared to ordinarily twisted carcass cord to increase its flexibility, said cord at the time of twisting the yarns and strands comprising the same having had its stretch capacity materially reduced to overcome the reduction of tensile strength produced by said extra twist.

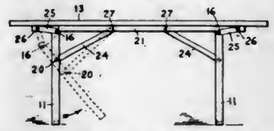
2,075,778

FOLDING TABLE

Udo K. Johannsen, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York

Application February 8, 1936, Serial No. 62,899

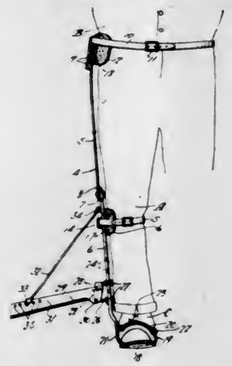
2 Claims. (Cl. 311—84)



1. A collapsible table or the like adapted to unfold into erected position, said table compris-

ing a top board, a metal framework provided with a pair of cross-sectionally angle shaped side rails each including a depending flange having complementary notches between the ends thereof and a planiform flange fixedly secured to one face of the board in an inset relation to its marginal edge, a foldable leg located at each end region of said side rails, and a guide link and a mated brace link pivotally attached to one end region of each such leg and which mated guide and brace links are respectively pivoted upon opposite faces of a depending flange portion contiguous thereto to swing into substantial alignment outwardly away from their respective flange pivots when a corresponding leg is collapsed inwardly upon the top board, all of said guide links being reversed toward an associated brace link when the several legs are brought into erected position and the respective rail notches being disposed to interlock with the swinging end portion of a guide link contiguous thereto.

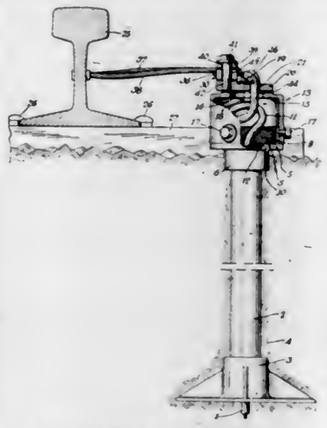
2,075,779
CORN KNIFE
James Johnson, Carrollton, and Joel Wood Yager, Ghent, Ky.
Application October 9, 1935, Serial No. 44,162
1 Claim. (Cl. 30—9)



In a device of the kind described, a leg bar adapted to be worn along the outer side of the leg and extending from the waist to the foot, the said bar comprising an upper section and a lower section and a pivotal joint connecting the two alongside the knee, a strap for fastening the upper end of the upper bar section to the waist, straps for fastening the lower bar section below the knee and to the foot, and a cutting knife mounted on the lower bar section in an out-thrust position, the said lower bar section having a plurality of spaced apertures, a bracket including mounting studs adapted to mount in any of the said apertures, and including a flat head to which the said cutting knife is mounted, and an adjustable brace for the outer end of the knife.

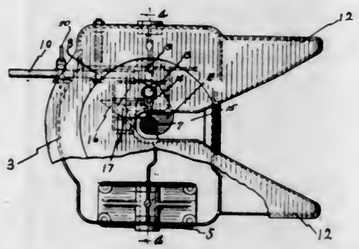
2,075,780
CABLE RISER
Frederick C. Lavarack, Montclair, N. J., and Frederick B. Wiegand, Cleveland, Ohio, assignors to Railroad Accessories Corporation, New York, N. Y., a corporation of New York
Application September 19, 1934, Serial No. 744,624
3 Claims. (Cl. 247—1)

1. In a parkway riser for cable, in combination: an upright duct, a head pot member mounted thereon and adapted to pass the cable and having a deep recess to receive and support locally a seal of plastic material for the joint between said duct and pot, a removable cover-pot adapted to be assembled invertedly upon said head pot member and means to secure said pots together in moisture proof union, said cover-pot having a cavity adapted to contain a coiled portion of



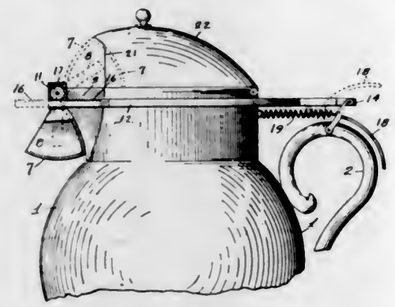
said cable of considerable dimensions and having also an upper end wall with an aperture adapted to pass the free end of the cable and of sufficient size to permit inspection of the part thereof confined by the pots, said end wall being adapted to support a closure plate serving as a base for the components of electrical connections between said cable end and the conductors to be assembled therewith.

2,075,781
TRACTOR SEMITRAILER FIFTH WHEEL STRUCTURE
Leo F. Lechtenberg, Quincy, Ill., assignor to Electric Wheel Company, Quincy, Ill.
Original application February 19, 1934, Serial No. 711,861. Divided and this application July 29, 1935, Serial No. 33,678
1 Claim. (Cl. 280—33.1)



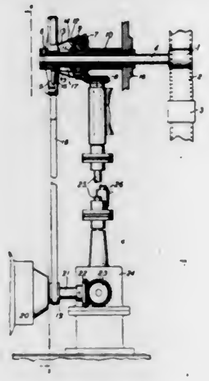
In a lower fifth wheel member the combination of a single horizontal locking and releasing latch, a slot in said latch, a fixed pin in said slot to allow said slotted latch a limited movement of translation and turning in a horizontal plane parallel to the longitudinal axis of the fifth wheel, an underneath triangular contact member to contact the king pin for closing said latch, a locking and releasing lever fitting between said latch and an abutment on said fifth wheel all substantially as illustrated and described.

2,075,782
ANTIDRIPPING DEVICE
William J. K. Mackay, El Dorado, Calif.
Application March 16, 1936, Serial No. 69,293
2 Claims. (Cl. 65—31)



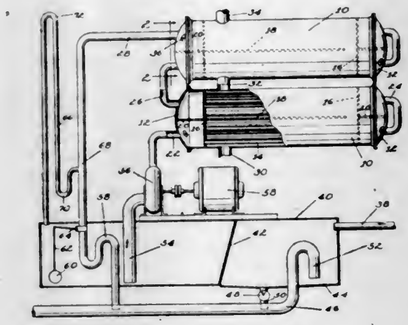
1. An anti-dripping device comprising a container having a handle and also provided with a spout having a substantially cylindrical lip thereon; a cup pivotally suspended coaxially with said cylindrical lip and having a wiping edge movable circumferentially of said lip with said cup to wipe drippings from said lip and to drain said drippings into the interior of said spout; pinions mounted upon said cup and coaxially with said lip; an operating lever pivotally mounted upon the handle of the container; and a toothed rack engaging said pinions and operatively connected to said lever to move said cup and wiping edge thereon around said lip.

2,075,783
SOUND PICTURE SYSTEM
John G. Roberts, Dobbs Ferry, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 12, 1934, Serial No. 747,999
6 Claims. (Cl. 271—2.3)



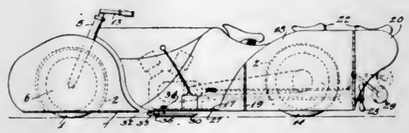
1. In strip feeding mechanism, a cylinder for feeding said strip, and means for driving said cylinder at uniform velocity, comprising motor-driven gears connected through an elastic member to said cylinder and a belt-driven pulley connected to said cylinder in multiple with said gears and elastic member.

2,075,784
WASTE WATER HEAT RECOVERY APPARATUS
Axel C. Strand, Chicago, Ill.
Application February 24, 1936, Serial No. 65,253
6 Claims. (Cl. 257—191)



1. In a waste water heat recovery system, a reservoir for warm water, an overflow connection therein leading to a sewer, a discharg pipe in the reservoir, a pump connected to the discharge pipe, heat exchangers beyond the pump, and a return pipe from the heat exchangers back to and passing through the reservoir, and a connection from said return pipe to a sewer, together with a further valved connection from the reservoir to a sewer.

2,075,785
MOTORCYCLE
Achilles Eduard Freiherr van Caneghem, Berlin-Halensee, Germany
Application February 8, 1936, Serial No. 62,917
In the Netherlands December 16, 1935
6 Claims. (Cl. 115—1)



1. In a motor cycle, in combination, a rear unit comprising a frame, a motor, a rear wheel driven from said motor, a rear covering system provided to form a collapsible floating body and to prevent said motor and the driver from dipping into the water when in floating condition, a front unit movably connected to said rear unit and comprising a steering frame, a steering wheel, a steering handle and a front covering system arranged to form a collapsible floating body and to act as a rudder when in floating condition, means adapted to adjust said coverings to two extreme positions, said coverings having minimum volume and minimum air resistance in one position and maximum volume and maximum buoyancy in the other position, each of said covering systems comprising two rigid members hingedly connected at their lower edge with the lower portion of the respective units at both sides thereof, and adapted to swing out laterally to an extreme position, flexible members watertightly connected with the free edges of said rigid

members and said units and forming concertina-fashion collapsible water-tight floats together with said rigid members and said units.

2,075,786

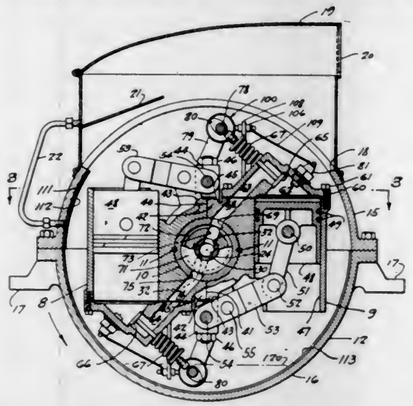
ROTARY INTERNAL COMBUSTION ENGINE

William H. Card, Los Angeles, Calif., assignor of one-half to Harry M. Swensen, Los Angeles, Calif.

Application June 12, 1934, Serial No. 730,208

2 Claims. (Cl. 123—43)

1. In a four-cycle rotary internal combustion engine, the combination of a stationary shaft carrying an eccentric, two rotatable hollow shaft members, each enclosing and journalled concentric with portions of said stationary shaft, two pairs of cylinders rigidly secured in spaced relation to and in parallel axial alignment with each other, one pair of said cylinders on each of said rotatable hollow shaft members, one pair of each of said cylinders being on diametrically opposite sides of its respective rotatable hollow shaft member, pistons in each of said cylinders, a strap journalled on said eccentric, said strap having oppositely disposed radial arms, linkage pivotally connecting each of said pistons to said strap and to a point fixed with relation to said cylinders, and means comprising fuel feeding, ignition, and



exhaust mechanism to cause relative reciprocatory motion of said pistons and cylinders.

DESIGNS

MARCH 30, 1937

103,796

DESIGN FOR A CASING FOR FLUID FILTERS

Arthur David Becker, Painesville, Ohio

Application January 28, 1937, Serial No. 67,322

Term of patent 3½ years



The ornamental design for a casing for fluid filters, as shown.

103,797

DESIGN FOR AN IMPLEMENT HANDLE

Quincy Beltram, Newark, N. J.

Application January 14, 1937, Serial No. 67,062

Term of patent 14 years



The ornamental design for an implement handle substantially as shown.

103,798

DESIGN FOR A COMBINATION DESK UNIT

Albert S. Brand, Boston, and David J. La France, Cambridge, Mass., assignors to The Carter's Ink Company, Cambridge, Mass., a corporation of Massachusetts

Application February 8, 1937, Serial No. 67,510

Term of patent 7 years



The ornamental design for a combination desk unit, substantially as shown.

103,799

DESIGN FOR A SCALPEL

Reinhardt H. Brown, Fremont, Ohio

Application January 10, 1936, Serial No. 60,518

Term of patent 3½ years



The ornamental design for a scalpel as shown and described.

103,800

DESIGN FOR A SHOE OR SIMILAR ARTICLE

Charles W. Conaway, Great Neck, N. Y.

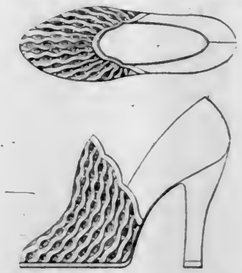
Application February 20, 1937, Serial No. 67,767

Term of patent 3½ years



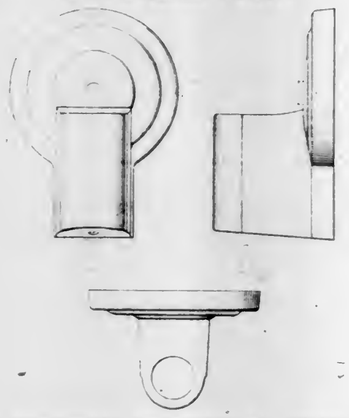
The ornamental design for a shoe or similar article, substantially as shown.

103,801
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Charles W. Conaway, Great Neck, N. Y.
Application February 20, 1937, Serial No. 67,768
Term of patent 3½ years



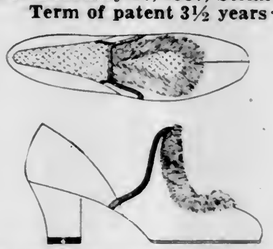
The ornamental design for a shoe or similar article, substantially as shown.

103,802
DESIGN FOR AN ELECTRIC WALL BRACKET
R. Guy Cowan, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application December 17, 1936, Serial No. 66,604
Term of patent 7 years



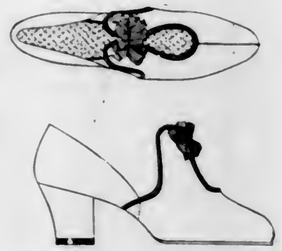
The ornamental design for an electric wall bracket, as shown.

103,803
DESIGN FOR A SLIPPER
Gennaro Del Re, New York, N. Y.
Application February 17, 1937, Serial No. 67,694
Term of patent 3½ years



The ornamental design for a slipper substantially as shown.

103,804
DESIGN FOR A SLIPPER
Gennaro Del Re, New York, N. Y.
Application February 17, 1937, Serial No. 67,696
Term of patent 3½ years



The ornamental design for a slipper substantially as shown.

103,805
DESIGN FOR A SLIPPER
Gennaro Del Re, New York, N. Y.
Application February 17, 1937, Serial No. 67,697
Term of patent 3½ years



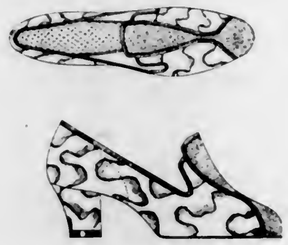
The ornamental design for a slipper substantially as shown.

103,806
DESIGN FOR A SLIPPER
Gennaro Del Re, New York, N. Y.
Application February 17, 1937, Serial No. 67,698
Term of patent 3½ years



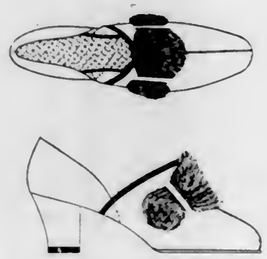
The ornamental design for a slipper substantially as shown.

103,807
DESIGN FOR A SLIPPER
Gennaro Del Re, New York, N. Y.
Application February 17, 1937, Serial No. 67,699
Term of patent 3½ years



The ornamental design for a slipper substantially as shown.

103,808
DESIGN FOR A SLIPPER
Gennaro Del Re, New York, N. Y.
Application February 17, 1937, Serial No. 67,700
Term of patent 3½ years



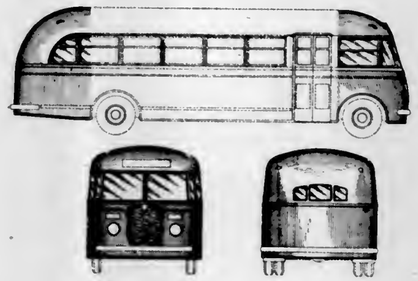
The ornamental design for a slipper, substantially as shown.

103,809
DESIGN FOR A SLIPPER
Gennaro Del Re, New York, N. Y.
Application February 17, 1937, Serial No. 67,701
Term of patent 3½ years



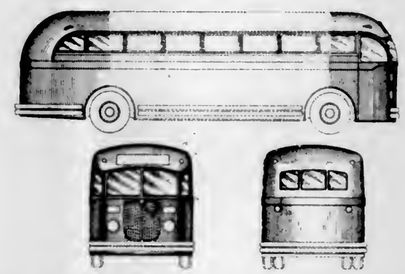
The ornamental design for a slipper, substantially as shown.

103,810
DESIGN FOR A VEHICLE
Paul O. Dittmar, Evanston, Ill.
Application December 14, 1936, Serial No. 66,512
Term of patent 3½ years



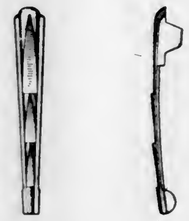
The ornamental design for a vehicle as shown and described.

103,811
DESIGN FOR A VEHICLE
Paul O. Dittmar, Evanston, Ill.
Application December 14, 1936, Serial No. 66,513
Term of patent 3½ years



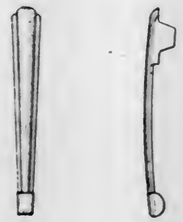
The ornamental design for a vehicle, as shown and described.

103,812
DESIGN FOR A FOUNTAIN PEN CLIP OR SIMILAR ARTICLE
Harry Esterow, New York, N. Y.
Application January 21, 1937, Serial No. 67,176
Term of patent 7 years



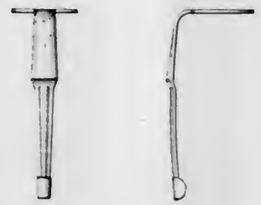
The ornamental design for a fountain pen clip or similar article, as shown.

103,813
DESIGN FOR A FOUNTAIN PEN CLIP OR SIMILAR ARTICLE
Harry Esterow, New York, N. Y.
Application January 21, 1937, Serial No. 67,177
Term of patent 7 years



The ornamental design for a fountain pen clip or similar article, as shown.

103,814
DESIGN FOR A FOUNTAIN PEN CLIP OR SIMILAR ARTICLE
Harry Esterow, New York, N. Y.
Application January 21, 1937, Serial No. 67,178
Term of patent 7 years



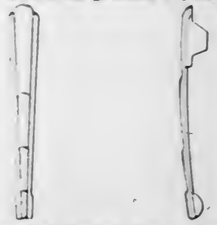
The ornamental design for a fountain pen clip or similar article, as shown.

103,815
DESIGN FOR A FOUNTAIN PEN CLIP OR SIMILAR ARTICLE
Harry Esterow, New York, N. Y.
Application January 21, 1937, Serial No. 67,179
Term of patent 7 years



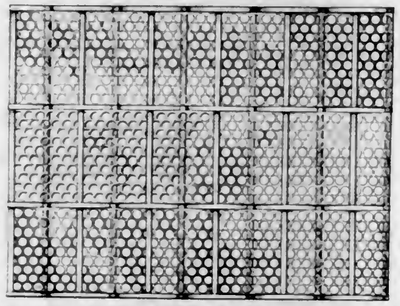
The ornamental design for a fountain pen clip or similar article, as shown.

103,816
DESIGN FOR A FOUNTAIN PEN CLIP OR SIMILAR ARTICLE
Harry Esterow, New York, N. Y.
Application February 6, 1937, Serial No. 67,492
Term of patent 7 years



The ornamental design for a fountain pen clip or similar article, as shown.

103,817
DESIGN FOR A METALLIC GRILL
Albert J. Fitzgerald, Braintree, Mass.
Application January 16, 1936, Serial No. 60,619
Term of patent 14 years



The ornamental design for a metallic grill, as shown and described.

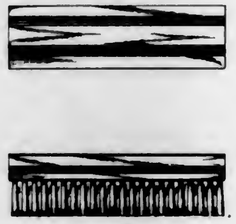
103,818
DESIGN FOR A CLOCK CASE
Charles H. Granger, Waterbury, Conn., assignor to The Waterbury Clock Company, Waterbury, Conn., a corporation of Connecticut
Application February 10, 1937, Serial No. 67,557
Term of patent 3½ years





The ornamental design for a clock case substantially as shown.

103,819
DESIGN FOR A BRUSH
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application January 16, 1937, Serial No. 67,096
Term of patent 3½ years



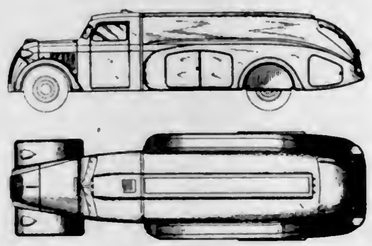
The ornamental design for a brush as shown.

103,820
DESIGN FOR A TERMINAL LINK FOR A WATCH BRACELET OR THE LIKE
Leslie Kreisler, New York, N. Y., assignor to Jacques Kreisler Sales Corporation, New York, N. Y.
Application January 27, 1937, Serial No. 67,305
Term of patent 7 years



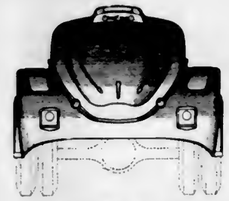
The ornamental design for a terminal link for a watch bracelet or the like, as shown.

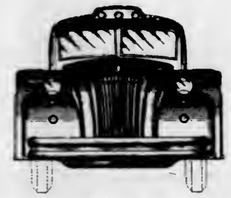
103,821
DESIGN FOR A TANK VEHICLE
Ralph L. Kuss, Joliet, Ill., assignor to Farrell Manufacturing Company, Joliet, Ill., a corporation of Illinois
Application February 15, 1936, Serial No. 61,192
Term of patent 14 years



476 O. G.—75

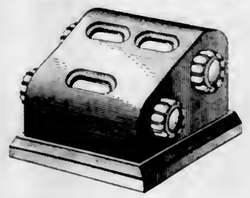
103,821—Continued





The ornamental design for a tank vehicle, substantially as shown and described.

103,822
DESIGN FOR A PERPETUAL DESK CALENDAR
Gerhard Martin Lee, Aurora, Ill., assignor to W. H. McCullouch, doing business as Finch & McCullouch, Aurora, Ill.
Application October 29, 1936, Serial No. 65,583
Term of patent 14 years



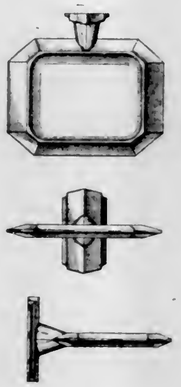
The ornamental design for a perpetual desk calendar, as shown.

103,823
DESIGN FOR A BOTTLE
Marcelle Harris Lowenstein, Atlanta, Ga.
Application December 30, 1936, Serial No. 66,816
Term of patent 3½ years



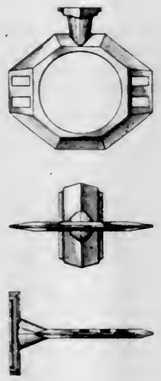
The ornamental design for a bottle, as shown and described.

103,824
DESIGN FOR A SOAP HOLDER
Gahlbeth H. Murrin, Pasadena, Calif.
Application January 25, 1937, Serial No. 67,271
Term of patent 7 years



The ornamental design for a soap holder, as shown.

103,825
DESIGN FOR A COMBINED TOOTH BRUSH AND TUMBLER SUPPORTING FIXTURE
Gahlbeth H. Murrin, Pasadena, Calif.
Application January 25, 1937, Serial No. 67,272
Term of patent 7 years



The ornamental design for a combined toothbrush and tumbler supporting fixture, as shown

103,826
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Earl W. Newton, Evanston, Ill., assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application February 5, 1937, Serial No. 67,464
Term of patent 7 years



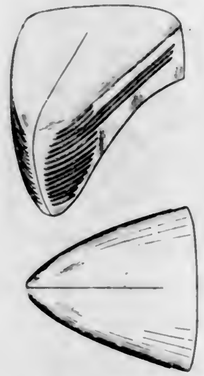
The ornamental design for a goblet or similar article, as shown.

103,827
DESIGN FOR A LUCKY PIECE
Albert Nierenberg, New York, N. Y.
Application February 11, 1937, Serial No. 67,603
Term of patent 3½ years



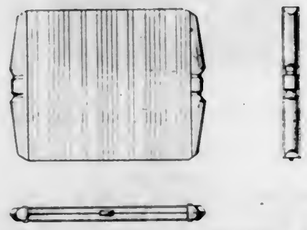
The ornamental design for a lucky piece, as shown.

103,828
DESIGN FOR AN AUTOMOBILE HOOD
Amos E. Northup, Detroit, Mich., assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application January 14, 1937, Serial No. 67,058
Term of patent 14 years



The ornamental design for an automobile hood substantially as shown.

103,829
DESIGN FOR A RECEPTACLE FOR CIGARETTES OR OTHER ARTICLES
William J. Reilly, Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application February 17, 1937, Serial No. 67,719
Term of patent 3½ years



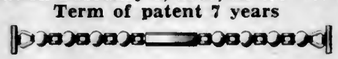
The ornamental design for a receptacle for cigarettes or other articles as shown.

103,830
DESIGN FOR A TRIMMING FOR RECEPTACLES FOR CIGARETTES OR OTHER ARTICLES
William J. Reilly, Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application February 17, 1937, Serial No. 67,720
Term of patent 3½ years



The ornamental design for a trimming for receptacles for cigarettes or other articles as shown.

103,831
DESIGN FOR A WATCH-BRACELET OR THE LIKE
Benjamin Rossman, Providence, R. I., assignor to A and Z Chain Company, Providence, R. I., a corporation of Rhode Island
Application February 9, 1937, Serial No. 67,541
Term of patent 7 years

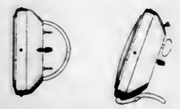




The ornamental design for a watch-bracelet or the like substantially as shown.

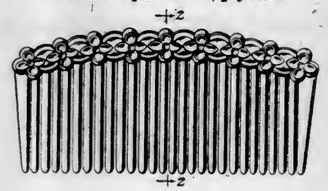
103,832
DESIGN FOR A CLOCK CASING
Max Schlenker, La Salle, Ill.
Application October 15, 1936, Serial No. 65,316
Term of patent 3½ years





The ornamental design for a clock casing, as shown and described.

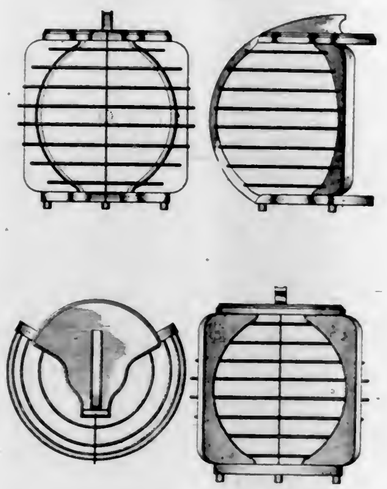
103,833
DESIGN FOR A DECORATIVE COMB
Daniel D. Schneeweis, Brooklyn, N. Y.
Application March 2, 1937, Serial No. 67,939
Term of patent 3½ years





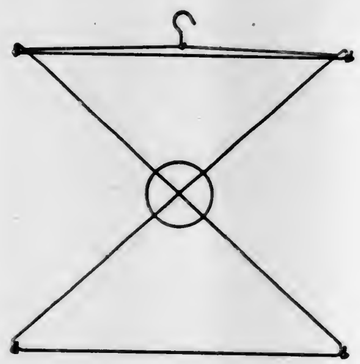
The ornamental design for a decorative comb, as shown.

103,834
DESIGN FOR A FAN HOUSING
Howard H. Schott, Rochester, N. Y., assignor to Robeson-Rochester Corporation, Rochester, N. Y., a corporation of New York
Application February 3, 1937, Serial No. 67,425
Term of patent 7 years



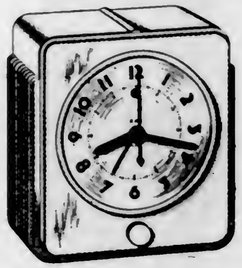
The ornamental design for a fan housing, substantially as shown.

103,835
DESIGN FOR A CURTAIN DISPLAY RACK
Trowbridge H. Stanley, Bronson, Mich., assignor to L. A. Darling Company, Bronson, Mich., a corporation of Delaware
Application December 18, 1936, Serial No. 66,618
Term of patent 7 years



The ornamental design for a curtain display rack, substantially as shown.

103,836
DESIGN FOR A CLOCK CASE
Walter D. Teague, Forest Hills, N. Y., assignor to Warren Telechron Company, a corporation of Maine
Application February 9, 1937, Serial No. 67,518
Term of patent 14 years



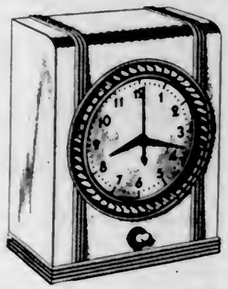
The ornamental design for a clock case as shown.

103,837
DESIGN FOR A CLOCK CASE
Walter D. Teague, Forest Hills, N. Y., assignor to Warren Telechron Company, a corporation of Maine
Application February 9, 1937, Serial No. 67,521
Term of patent 14 years



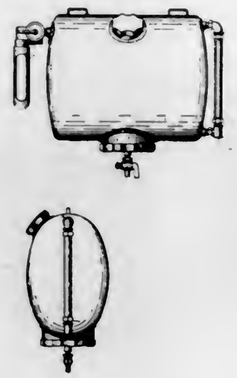
The ornamental design for a clock case as shown.

103,838
DESIGN FOR A TIMER CASE
Walter D. Teague, Forest Hills, N. Y., assignor to Warren Telechron Company, a corporation of Maine
Application February 9, 1937, Serial No. 67,522
Term of patent 14 years



The ornamental design for a timer case as shown.

103,839
DESIGN FOR A VACUUM TANK FOR SURGICAL USE
James E. Trafford, San Francisco, Calif.
Application September 5, 1936, Serial No. 64,731
Term of patent 14 years



The ornamental design for a vacuum tank for surgical use as shown.

103,840
DESIGN FOR A DRIP COFFEEPOT OR ANALOGOUS ARTICLE
Chauncey E. Waltman, Chicago, Ill., assignor to Porcelier Manufacturing Company, Greensburg, Pa., a corporation of Pennsylvania
Application December 17, 1935, Serial No. 60,132
Term of patent 3½ years



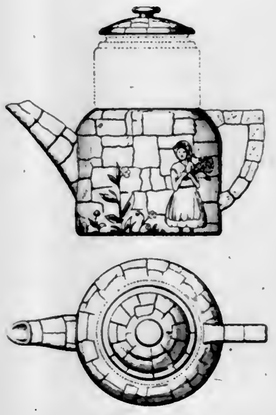
The ornamental design for a drip coffeepot or analogous article, as shown and described.

103,841
DESIGN FOR A DRIP COFFEEPOT OR ANALOGOUS ARTICLE
Chauncey E. Waltman, Chicago, Ill., assignor to Porcelier Manufacturing Company, Greensburg, Pa., a corporation of Pennsylvania
Application December 17, 1935, Serial No. 60,133
Term of patent 3½ years



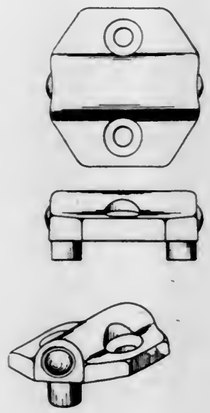
The ornamental design for a drip coffeepot or analogous article, as shown and described.

103,842
DESIGN FOR A DRIP COFFEEPOT OR ANALOGOUS ARTICLE
Chauncey E. Waltman, Chicago, Ill., assignor to Porcelier Manufacturing Company, Greensburg, Pa., a corporation of Pennsylvania
Application December 17, 1935, Serial No. 60,134
Term of patent 3½ years



The ornamental design for a drip coffeepot or analogous article, as shown and described.

103,843
DESIGN FOR A TRAFFIC LINE MARKER
Roy H. Williams, Oklahoma City, Okla.
Application February 5, 1937, Serial No. 67,457
Term of patent 3½ years



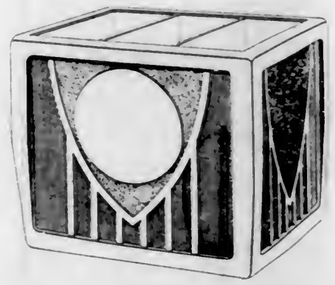
The ornamental design for a traffic line marker, as shown.

103,844
DESIGN FOR A RECEPTACLE FOR BATTERIES OR SIMILAR ARTICLES
Henry Brunjes, Glendale, N. Y., assignor to American Hard Rubber Company, New York, N. Y.
Application February 9, 1937, Serial No. 67,532
Term of patent 7 years



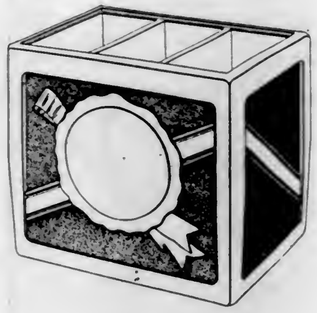
The ornamental design for a receptacle for batteries or similar articles, as shown, and described.

103,845
DESIGN FOR A RECEPTACLE FOR BATTERIES OR SIMILAR ARTICLES
Henry Brunjes, Glendale, N. Y., assignor to American Hard Rubber Company, New York, N. Y.
Application February 11, 1937, Serial No. 67,588
Term of patent 7 years



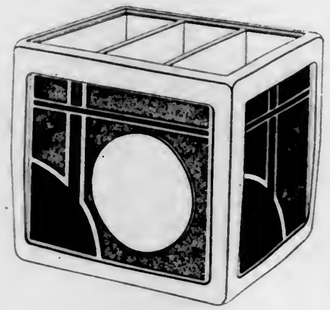
The ornamental design for a receptacle for batteries or similar articles, as shown and described.

103,846
DESIGN FOR A RECEPTACLE FOR BATTERIES OR SIMILAR ARTICLES
Henry Brunjes, Glendale, N. Y.
Application February 16, 1937, Serial No. 67,682
Term of patent 7 years



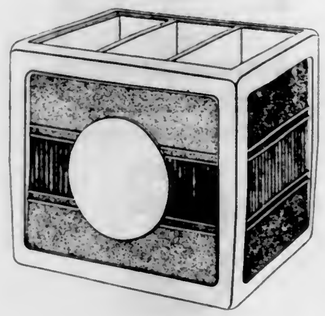
The ornamental design for a receptacle for batteries or similar articles, as shown, and described.

103,847
DESIGN FOR A RECEPTACLE FOR BATTERIES OR SIMILAR ARTICLES
Henry Brunjes, Glendale, N. Y., assignor to American Hard Rubber Company, New York, N. Y.
Application February 18, 1937, Serial No. 67,731
Term of patent 7 years



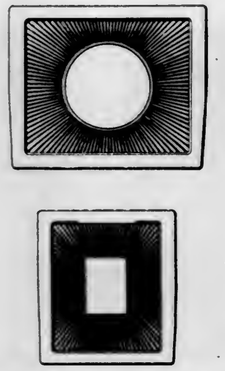
The ornamental design for a receptacle for batteries or similar articles, as shown, and described.

103,848
DESIGN FOR A RECEPTACLE FOR BATTERIES OR SIMILAR ARTICLES
Henry Brunjes, Glendale, N. Y., assignor to American Hard Rubber Company, New York, N. Y.
Application February 19, 1937, Serial No. 67,737
Term of patent 7 years



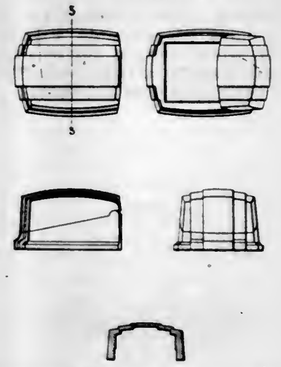
The ornamental design for a receptacle for batteries or similar articles, as shown, and described.

103,849
DESIGN FOR A RECEPTACLE FOR BATTERIES OR SIMILAR ARTICLES
Henry Brunjes, Glendale, N. Y., assignor to American Hard Rubber Company, New York, N. Y.
Application February 20, 1937, Serial No. 67,774
Term of patent 7 years



The ornamental design for a receptacle for batteries or similar articles, as shown.

103,850
DESIGN FOR A JEWELRY BOX
John Renfrew Dean, Buffalo, N. Y.
Application February 3, 1937, Serial No. 67,427
Term of patent 14 years



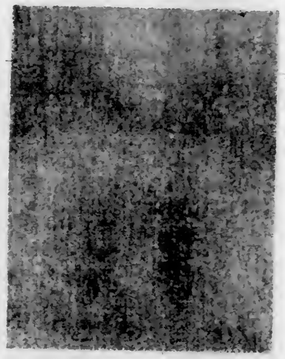
The ornamental design for a jewelry box, as shown.

103,851
DESIGN FOR A BAND FOR A HAT
Issy Eisenberg, New York, N. Y.
Application January 16, 1937, Serial No. 67,083
Term of patent 3½ years



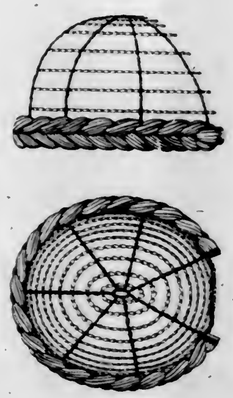
The ornamental design for a band for a hat, substantially as shown.

103,852
DESIGN FOR A TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application February 9, 1937, Serial No. 67,535
Term of patent 14 years



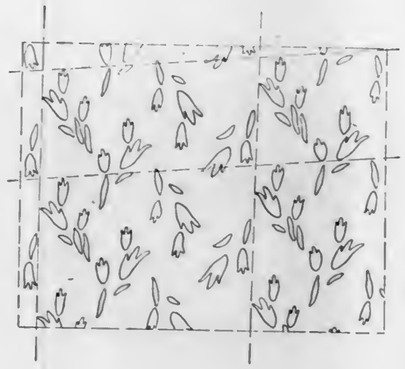
The ornamental design for a textile fabric as described and as shown.

103,853
DESIGN FOR A CAP OR SIMILAR ARTICLE
Christina Mariani, Philadelphia, Pa., assignor to Morton A. Oppenheimer, Elkins Park, Pa.
Application February 5, 1937, Serial No. 67,463
Term of patent 3½ years



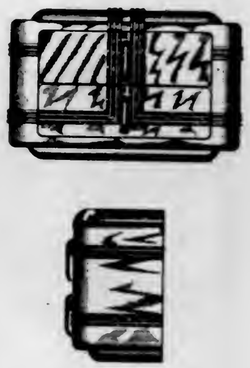
The ornamental design for a cap or similar article as shown.

103,854
DESIGN FOR A TEXTILE FABRIC
William H. Mayer, Jr., Flushing, N. Y.
Application March 1, 1937, Serial No. 67,924
Term of patent 3½ years



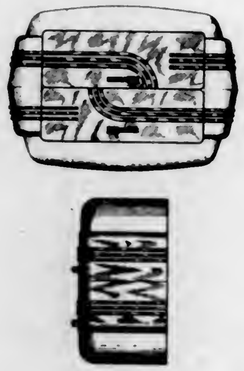
The ornamental design for a textile fabric substantially as shown and described.

103,855
DESIGN FOR AN AUTOMOBILE HEATER OR THE LIKE
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application February 10, 1937, Serial No. 67,551
Term of patent 14 years



The ornamental design for an automobile heater or the like, as shown.

103,856
DESIGN FOR AN AUTOMOBILE HEATER OR THE LIKE
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application February 10, 1937, Serial No. 67,552
Term of patent 14 years



The ornamental design for an automobile heater or the like, as shown.

103,857
DESIGN FOR AN AUTOMOBILE HEATER OR THE LIKE
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application February 10, 1937, Serial No. 67,553
Term of patent 14 years



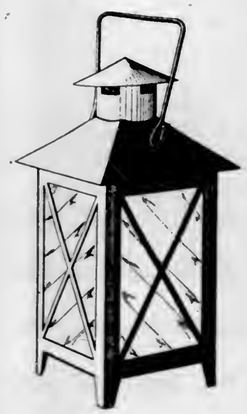
The ornamental design for an automobile heater or the like, as shown.

103,858
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application January 16, 1937, Serial No. 67,091
Term of patent 14 years



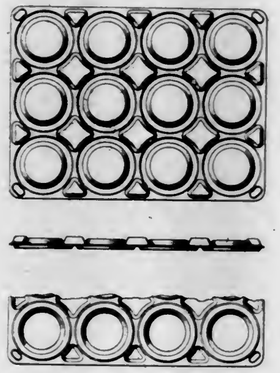
The ornamental design for a knitted fabric, as shown and described.

103,859
DESIGN FOR A COMBINED DISPLAY RECEPTACLE AND MERCHANDISE RECEIVING CONTAINER
Hans Ramel, Cleveland, Ohio
Application January 29, 1936, Serial No. 60,876
Term of patent 7 years



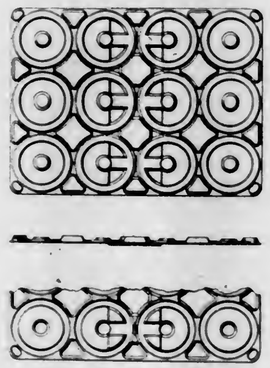
The ornamental design for a combined display receptacle and merchandise receiving container, as shown and described.

103,860
DESIGN FOR A PACKING SHEET
Walter H. Randall and Wallace E. Parsons, Waterville, Maine, and Walter J. Schwertfeger, West Englewood, N. J., assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a national banking association, as trustee
Application August 3, 1936, Serial No. 64,196
Term of patent 14 years



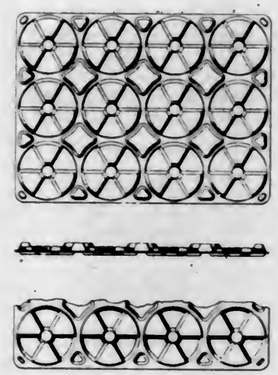
The ornamental design for a packing sheet, as shown.

103,861
DESIGN FOR A PACKING SHEET
Walter H. Randall and Wallace E. Parsons, Waterville, Maine, and Walter J. Schwertfeger, West Englewood, N. J., assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a national banking association, as trustee
Application August 3, 1936, Serial No. 64,197
Term of patent 14 years



The ornamental design for a packing sheet, as shown.

103,862
DESIGN FOR A PACKING SHEET
Walter H. Randall and Wallace E. Parsons, Waterville, Maine, and Walter J. Schwertfeger, West Englewood, N. J., assignors, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a national banking association, as trustee
Application August 3, 1936, Serial No. 64,198
Term of patent 14 years



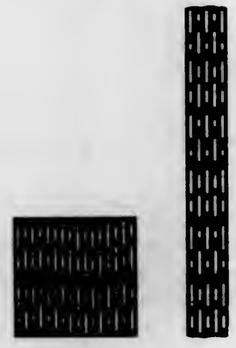
The ornamental design for a packing sheet, as shown.

103,863
DESIGN FOR A HANDKERCHIEF OR SIMILAR ARTICLE
Michael S. Sutton, Brooklyn, N. Y.
Application February 25, 1936, Serial No. 61,349
Term of patent 7 years



The ornamental design for a handkerchief or similar article as shown and described.

103,864
DESIGN FOR A PLASTIC SHEET OR SIMILAR ARTICLE
Edmund H. Tyson, Caldwell, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 15, 1936, Serial No. 63,860
Term of patent 7 years



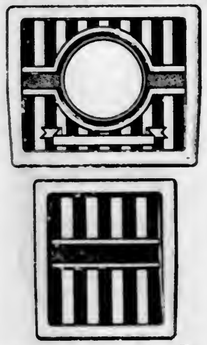
The ornamental design for a plastic sheet or similar article, substantially as shown and described.

103,865
DESIGN FOR A COMBINED FACEPLATE AND DEFLECTOR FOR A HEATER
George W. Walker, Pleasant Ridge, Mich., assignor to McAleer Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application July 29, 1936, Serial No. 64,114
Term of patent 7 years



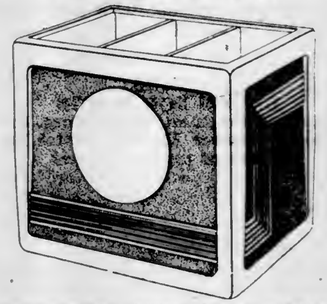
The ornamental design for a combined faceplate and deflectors for a heater substantially as shown.

103,866
DESIGN FOR A RECEPTACLE FOR BATTERIES OR SIMILAR ARTICLES
Henry Brunjes, Glendale, N. Y., assignor to American Hard Rubber Company, New York, N. Y.
Application February 10, 1937, Serial No. 67,561
Term of patent 7 years



The ornamental design for a receptacle for batteries or similar articles, as shown, and described.

103,867
DESIGN FOR A RECEPTACLE FOR BATTERIES OR SIMILAR ARTICLES
Henry Brunjes, Glendale, N. Y., assignor to American Hard Rubber Company, New York, N. Y.
Application February 12, 1937, Serial No. 67,614
Term of patent 7 years



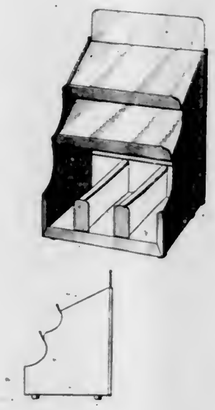
The ornamental design for a receptacle for batteries or similar articles, as shown, and described.

103,868
DESIGN FOR MACARONI OR SIMILAR ARTICLE
Gennaro Cirillo, Brooklyn, N. Y.
Substituted for abandoned application Serial No. D. 58,150, August 16, 1935. This application November 6, 1936, Serial No. D. 65,746
Term of patent 3½ years



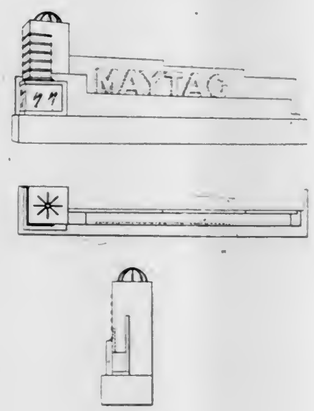
The ornamental design for macaroni or similar article as shown.

103,869
DESIGN FOR A DISPLAY STAND OR SIMILAR ARTICLE
Charles A. Follett, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application July 10, 1936, Serial No. 63,762
Term of patent 14 years



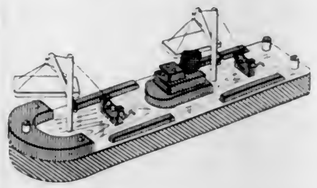
The ornamental design for a display stand or similar article, as shown.

103,870
DESIGN FOR A SIGN
Donald S. Freeman, Des Moines, Iowa
Application December 22, 1936, Serial No. 66,688
Term of patent 7 years



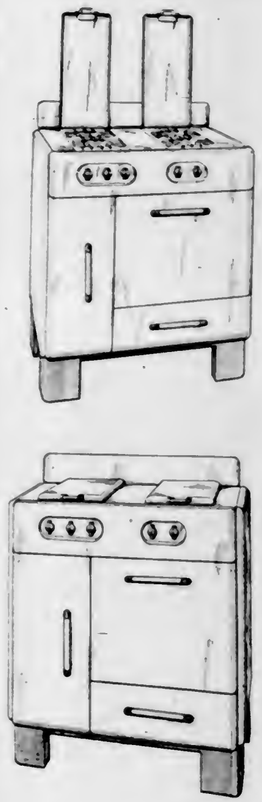
The ornamental design for a sign as shown.

103,871
DESIGN FOR A TOY BOAT
Stanley V. Height, Spring Lake, N. J.
Application October 13, 1936, Serial No. 65,290
Term of patent 3½ years



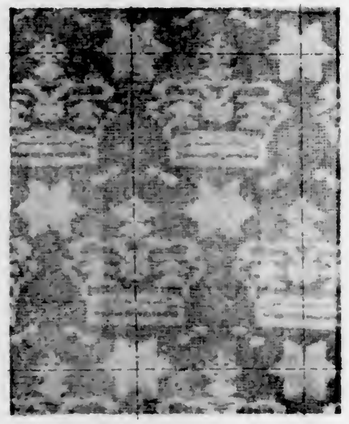
The ornamental design for a toy boat as shown.

103,872
DESIGN FOR A RANGE
Carl H. Hoffstetter and Robert F. Hoffstetter, Erie, Pa.
Application February 9, 1937, Serial No. 67,549
Term of patent 7 years



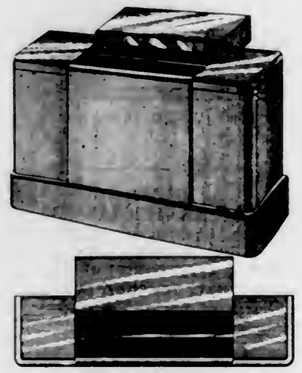
The ornamental design for a range as shown and described.

103,873
DESIGN FOR A TEXTILE FABRIC
John Killars, Jr., Greenville, S. C., assignor to Deering Milliken & Co., Inc., New York, N. Y., a corporation of New York
Application February 25, 1937, Serial No. 67,831
Term of patent 3½ years



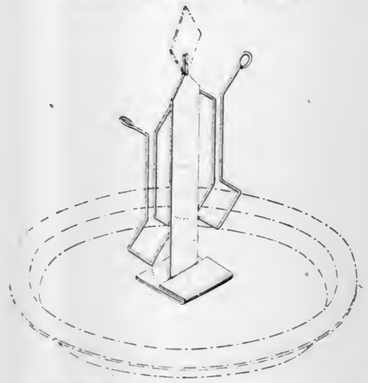
The ornamental design for a textile fabric substantially as shown and described.

103,874
DESIGN FOR AN AIR CONDITIONING CABINET
Robert D. Lambert, New York, and Matson C. Terry, New Rochelle, N. Y., assignors to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application February 26, 1937, Serial No. 67,879
Term of patent 14 years



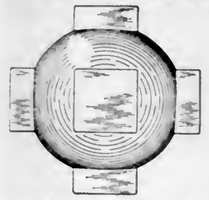
The ornamental design for an air conditioning cabinet, as shown.

103,875
DESIGN FOR A COMBINED ASHTRAY AND CIGARETTE SUPPORTER
Charles Le Roy, Keansburg, N. J.
Application February 1, 1937, Serial No. 67,368
Term of patent 3½ years



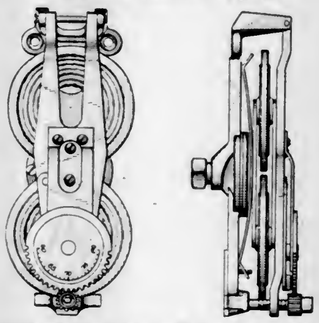
The ornamental design for a combined ashtray and cigarette supporter, as shown.

103,876
DESIGN FOR A GAME PIECE
Rowland O. Pickin, Los Angeles, Calif.
Application July 22, 1936, Serial No. 63,975
Term of patent 14 years



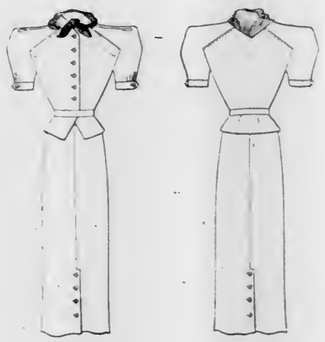
The ornamental design for a game piece, as shown and described.

103,877
DESIGN FOR A THERMOSTAT MECHANISM
Morton O. Snediker, Chicago, Ill., assignor to The Powers Regulator Company, Chicago, Ill., a corporation of Illinois
Application September 4, 1936, Serial No. 64,717
Term of patent 14 years



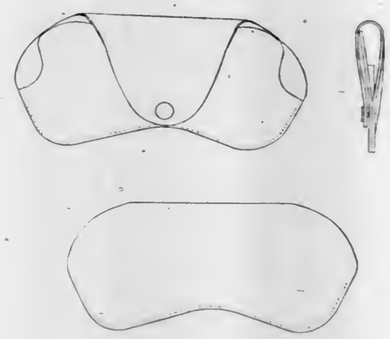
The ornamental design for a thermostat mechanism, as shown.

103,878
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application February 6, 1937, Serial No. 67,484
Term of patent 3½ years



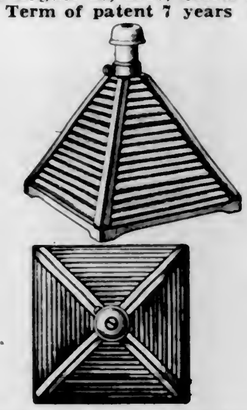
The ornamental design for a dress as shown.

103,879
DESIGN FOR A SPECTACLE CASE
Solomon Charles Hirschberg, New York, N. Y.
Application January 11, 1937, Serial No. 67,002
Term of patent 7 years



The ornamental design for a spectacle case as shown.

103,880
DESIGN FOR A WASHING MACHINE DOLLY
Sidney S. Holland, Sandusky, Ohio, assignor, by mesne assignments, to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 10, 1936, Serial No. 64,334
Term of patent 7 years



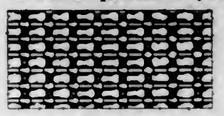
The ornamental design for a washing machine dolly, as shown.

103,881
DESIGN FOR A BIRD CAGE
George Lorenze Miller, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill.
Application December 17, 1936, Serial No. 66,595
Term of patent 3½ years



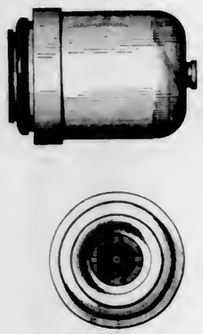
The ornamental design for a bird cage, substantially as shown.

103,882
DESIGN FOR ARTIFICIAL LEATHER
Joseph A. Puppo, Crestwood, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 18, 1937, Serial No. 67,732
Term of patent 14 years



The ornamental design for artificial leather substantially as shown.

103,883
DESIGN FOR A TIRE PRESSURE INDICATOR OR SIMILAR ARTICLE
Peirce van Vleck, Washington, D. C.
Application December 11, 1936, Serial No. 66,489
Term of patent 7 years



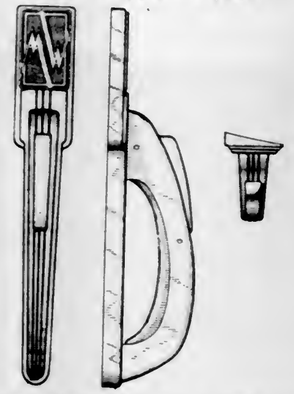
The ornamental design for a tire pressure indicator or similar article, substantially as shown and described.

103,884
DESIGN FOR A LADY'S SUIT
Isidore Wasserman, New York, N. Y.
Application February 25, 1937, Serial No. 67,838
Term of patent 3½ years



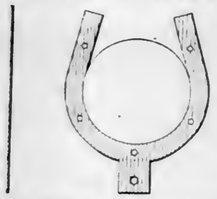
The ornamental design for a lady's suit, substantially as shown.

103,885
DESIGN FOR A REFRIGERATOR HANDLE
Howard B. Barber, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application February 1, 1937, Serial No. 67,380
Term of patent 7 years



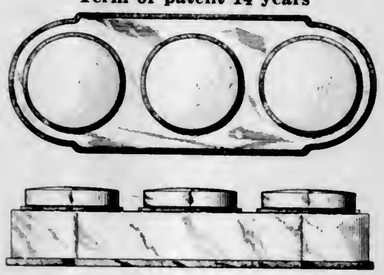
The ornamental design for a refrigerator handle, as shown.

103,886
DESIGN FOR AN ADVERTISING SIGN
Charles D. Clark, West Springfield, Mass.
Application February 13, 1937, Serial No. 67,633
Term of patent 14 years



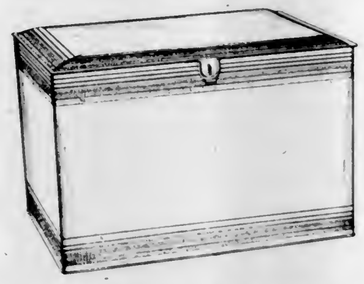
The ornamental design for an advertising sign, as shown.

103,887
DESIGN FOR A COMBINATION CONTAINER FOR COSMETIC PREPARATIONS
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application February 11, 1937, Serial No. 67,599
Term of patent 14 years



The ornamental design for a combination container for cosmetic preparations as shown and described.

103,888
DESIGN FOR A BREAD BOX
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application February 1, 1937, Serial No. 67,369
Term of patent 7 years



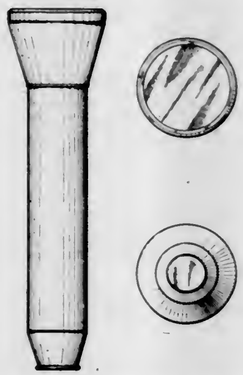
The ornamental design for a bread box, substantially as shown.

103,889
DESIGN FOR A BAND FOR A HAT
Issy Eisenberg, New York, N. Y.
Application January 16, 1937, Serial No. 67,084
Term of patent 3½ years



The ornamental design for a band for a hat, substantially as shown.

103,890
DESIGN FOR A FLASHLIGHT CASING
Burdon P. Hyde, Naugatuck, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application February 9, 1937, Serial No. 67,525
Term of patent 14 years



The ornamental design for a flashlight casing substantially as shown.

103,891
DESIGN FOR A STUDY LAMP
Edward Kanter, Cleveland Heights, Ohio, assignor to Railley Corporation, a corporation of Ohio
Application December 29, 1936, Serial No. 66,785
Term of patent 7 years



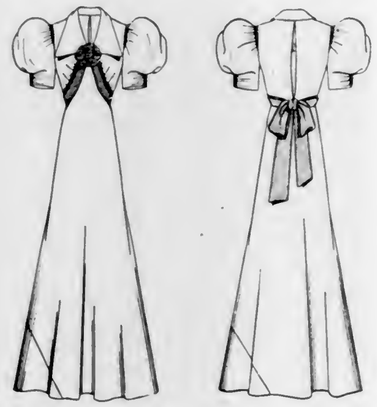
The ornamental design for a study lamp substantially as shown and described.

103,892
DESIGN FOR A DRESS
Rose La Giusa, New York, N. Y.
Application February 26, 1937, Serial No. 67,868
Term of patent 3½ years



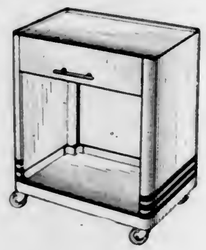
The ornamental design for a dress, substantially as shown and described.

103,893
DESIGN FOR A DRESS
Rose La Giusa, New York, N. Y.
Application February 27, 1937, Serial No. 67,903
Term of patent 3½ years



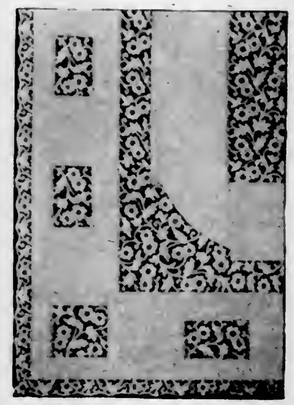
The ornamental design for a dress, substantially as shown.

103,894
DESIGN FOR A WRENCH STAND OR THE LIKE
Sigmund Mandl, Milwaukee, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 8, 1937, Serial No. 67,498
Term of patent 7 years



The ornamental design for a wrench stand or the like, as shown.

103,895
DESIGN FOR A LACE TABLECLOTH
Walter C. Miller, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 5, 1937, Serial No. 68,015
Term of patent 3½ years



The ornamental design for a lace tablecloth, substantially as shown and described.

103,896
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 5, 1937, Serial No. 68,014
Term of patent 3½ years



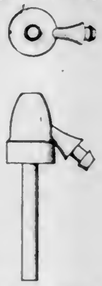
The ornamental design for a lace tablecloth, substantially as shown and described.

103,897
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., a corporation of New York
Application January 2, 1937, Serial No. 66,851
Term of patent 3½ years



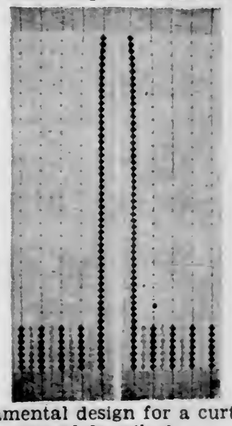
The ornamental design for a clip, substantially as shown and described.

103,898
DESIGN FOR AN ATOMIZER CAP
Fernande Varlet Robinson, Richmond, Va.,
Application January 18, 1937, Serial No. 67,140
Term of patent 14 years



The ornamental design for an atomizer cap, substantially as shown.

103,899
DESIGN FOR A CURTAIN
Aaron Steinberg, Passaic, N. J.
Application February 20, 1937, Serial No. 67,759
Term of patent 3½ years



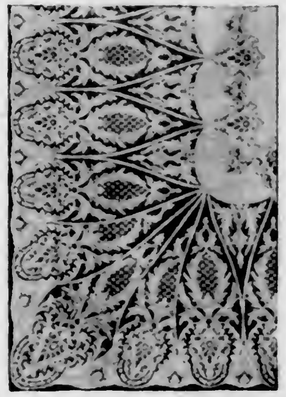
The ornamental design for a curtain, substantially as shown and described.

103,900
DESIGN FOR A TEXTILE FABRIC
Nathan Tillman, Brooklyn, N. Y.
Application March 1, 1937, Serial No. 67,923
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

103,901
DESIGN FOR A LACE TABLECLOTH
James Waterfield, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 5, 1937, Serial No. 68,017
Term of patent 3½ years



The ornamental design for a lace tablecloth substantially as shown and described.

103,902
DESIGN FOR A LACE TABLECLOTH
James Waterfield, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 5, 1937, Serial No. 68,018
Term of patent 3½ years



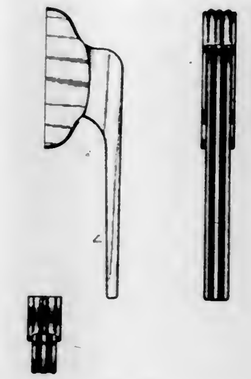
The ornamental design for a lace tablecloth substantially as shown and described.

103,903
DESIGN FOR A LACE TABLECLOTH
James Waterfield, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 5, 1937, Serial No. 68,019
Term of patent 3½ years



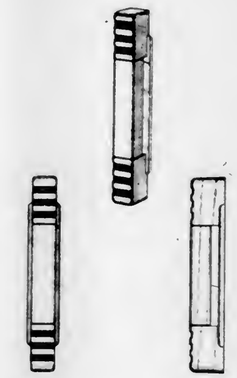
The ornamental design for a lace tablecloth substantially as shown and described.

103,904
DESIGN FOR A DOOR HANDLE FOR REFRIGERATOR CABINETS OR THE LIKE
Kenneth C. Welch, Grand Rapids, Mich., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich., a corporation of Michigan
Application February 12, 1937, Serial No. 67,617
Term of patent 14 years



The ornamental design for a door handle for refrigerator cabinets or the like, as shown.

103,905
DESIGN FOR A DOOR HINGE FOR REFRIGERATOR CABINETS OR THE LIKE
Kenneth C. Welch, Grand Rapids, Mich., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich., a corporation of Michigan
Application February 12, 1937, Serial No. 67,618
Term of patent 14 years



The ornamental design for a door hinge for refrigerator cabinets or the like, as shown.

103,906
DESIGN FOR A LACE TABLECLOTH
William Wolf, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application March 5, 1937, Serial No. 68,016
Term of patent 3½ years



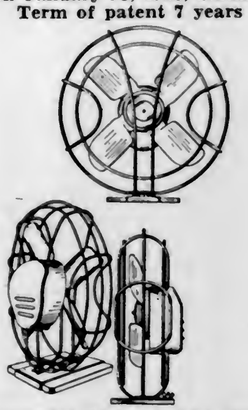
The ornamental design for a lace table cloth, substantially as shown and described.

103,907
DESIGN FOR A CUP
Karl Bayreuther, Selb, Germany, assignor to The Rosenthal China Corporation, New York, N. Y., a corporation of New York
Application December 29, 1936, Serial No. 66,794
Term of patent 14 years



The ornamental design for a cup, as shown.

103,908
DESIGN FOR AN ELECTRIC FAN
Harvey W. Chapman, Chicago, Ill., assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill., a corporation of Delaware
Application January 13, 1936, Serial No. 60,550
Term of patent 7 years



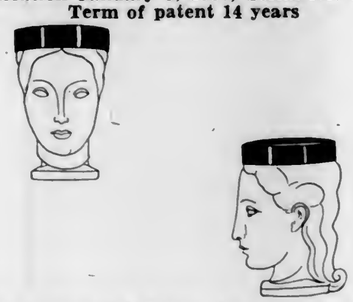
The ornamental design for an electric fan, as shown.

103,909
DESIGN FOR AN ENSEMBLE DRESS
Tora Coleman, New York, N. Y.
Application February 20, 1937, Serial No. 67,762
Term of patent 3½ years



The ornamental design for an ensemble dress, as shown and described.

103,910
DESIGN FOR A JAR OR SIMILAR CONTAINER
Robert I. Dorfman and Eugene Munk, New York, N. Y.
Application January 9, 1937, Serial No. 66,966
Term of patent 14 years



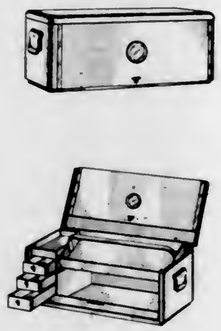
The ornamental design for a jar or similar container, as shown.

103,911
DESIGN FOR A BOTTLE
William Knox, Burlington, Vt.
Application December 3, 1936, Serial No. 66,295
Term of patent 14 years



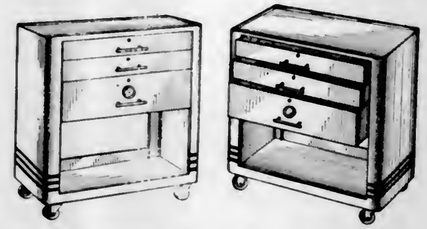
The ornamental design for a bottle, substantially as shown.

103,912
DESIGN FOR A WRENCH CASE OR THE LIKE
Sigmund Mandl, Milwaukee, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 8, 1937, Serial No. 67,495
Term of patent 7 years



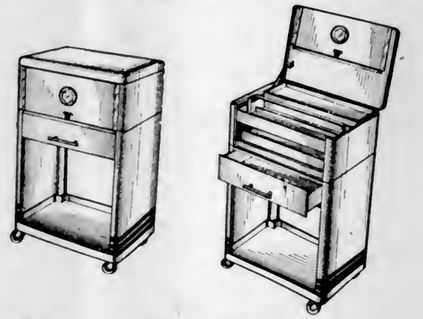
The ornamental design for a wrench case or the like, as shown.

103,913
DESIGN FOR A WRENCH STAND OR THE LIKE
Sigmund Mandl, Milwaukee, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 8, 1937, Serial No. 67,496
Term of patent 7 years



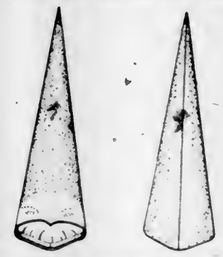
The ornamental design for a wrench stand or the like, as shown.

103,914
DESIGN FOR A COMBINED WRENCH STAND AND CASE OR THE LIKE
Sigmund Mandl, Milwaukee, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 8, 1937, Serial No. 67,497
Term of patent 7 years



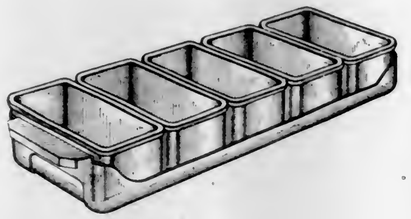
The ornamental design for a combined wrench stand and case or the like, as shown.

103,915
DESIGN FOR A HAT FORM
Harry E. Rich and Joseph Greenberg, New York, N. Y.
Application November 11, 1936, Serial No. 65,849
Term of patent 3½ years



The ornamental design for a hat form as shown and described.

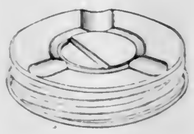
103,916
DESIGN FOR A MULTIPLE COMPARTMENT REFRIGERATOR TRAY UNIT
Lewis H. Scurlock, Chicago, Ill.
Application October 1, 1936, Serial No. 65,097
Term of patent 14 years



The ornamental design for a multiple compartment refrigerator tray unit, as shown.

103,917
DESIGN FOR A COMBINED JAR CAP AND ASHTRAY TOP
Theodore Sneddon and Stanley Safranski, Chicago, Ill., assignors to The Aridor Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1936, Serial No. 61,364
Term of patent 7 years





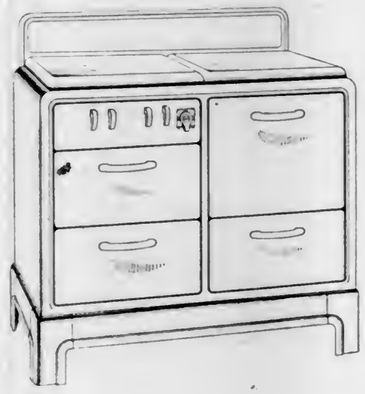
The ornamental design for a combined jar cap and ashtray top, substantially as shown and described.

103,918
DESIGN FOR A TABLE MAT OR SIMILAR ARTICLE
Aaron Traum, New York, N. Y.
Application November 13, 1936, Serial No. 65,889
Term of patent 3½ years



The ornamental design for a table mat or similar article, substantially as shown.

103,919
DESIGN FOR A RANGE
George D. Wilkinson and Augustus F. Harter, Oak Park, Ill., assignors to Cribben & Sexton Company, Chicago, Ill., a corporation of Illinois
Application March 26, 1936, Serial No. 61,804
Term of patent 7 years



The ornamental design for a range as shown and described.

103,920
DESIGN FOR A CHAIR OR SIMILAR ARTICLE
Glenn D. Wood, Elkhart, Ind., assignor to Posture Research Corporation, Elkhart, Ind., a corporation of Indiana
Application February 18, 1937, Serial No. 67,727
Term of patent 14 years



The ornamental design for a chair or similar article substantially as shown.

103,921
DESIGN FOR A COVER FOR SPARE WHEELS AND TIRES OF AUTOMOTIVE VEHICLES
Oscar U. Zerk, Chicago, Ill.
Application April 10, 1936, Serial No. 62,055
Term of patent 7 years



The ornamental design for a cover for spare wheels and tires of automotive vehicles substantially as shown.

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393113

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A/S Einar Hausvik & Co., Bergen, Norway. Canned fish. Serial No. 383,267; Apr. 6. Class 46.

A/S Einar Hausvik & Co., Bergen, Norway. Canned fish. Serial No. 386,391; Apr. 6. Class 46.

Abercrombie & Fitch Company, New York, N. Y. Golf bags, fishing-rod cases, tennis racket cases, etc. Serial No. 386,140; Apr. 6. Class 22.

Ain, Harry L., New York, N. Y. Prophylactic rubber articles. Serial No. 380,735; Apr. 6. Class 44.

Albers Bros. Milling Co., Portland, Oreg., San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Calif., and Seattle, Tacoma, and Spokane, Wash. Stock feeds. Serial No. 385,620; Apr. 6. Class 46.

Alpert Press, The, Brooklyn, N. Y. Monthly publication. Serial No. 386,712; Apr. 6. Class 38.

Alrose Chemical Company, Providence, R. I. Salts for the treatment of ferrous metal surfaces. Serial No. 387,361; Apr. 6. Class 6.

Alrose Chemical Company, Providence, R. I. Salts for use in connection with plating metals. Serial No. 387,362; Apr. 6. Class 6.

American Chicle Company, Long Island City, N. Y. Chewing gum. Serial No. 388,042; Apr. 6. Class 46.

American Chlorophyll, Inc., Alexandria, Va. Color pigments, and material for coloring foods, drinks, etc. Serial No. 386,840; Apr. 6. Class 6.

American Health Publishers, Inc., New York, N. Y. Section of a periodical. Serial No. 386,717; Apr. 6. Class 38.

American Optical Company, Southbridge, Mass. Ophthalmic lenses and blanks for ophthalmic lenses. Serial No. 387,850; Apr. 6. Class 26.

Aqua-Sec Corporation, New York, N. Y. Mothproofing compound, insecticide, vermicide, etc. Serial No. 388,890; Apr. 6. Class 6.

Arlington Chemical Company, The, Yonkers, N. Y. Refined mineral oil jelly for use as a laxative. Serial No. 388,043; Apr. 6. Class 6.

Armor Bronze Company. (See Collis, George B.)

Arons, Edward, Cleveland, Ohio. Wire springs and spring constructions for seats, davenports, chairs, etc. Serial No. 386,576; Apr. 6. Class 32.

Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 387,652; Apr. 6. Class 6.

Atlas Ago Chemische Fabrik Aktiengesellschaft, Molkau, near Leipzig, Germany. Paper collars. Serial No. 388,218; Apr. 6. Class 39.

Atlas Ago Chemische Fabrik Aktiengesellschaft, Molkau, near Leipzig, Germany. Orthopedic shoes. Serial No. 388,220; Apr. 6. Class 39.

Atlas Brewing Company, Chicago, Ill. Beer. Serial No. 388,609; Apr. 6. Class 48.

Atlas Supply Company, Newark, N. J. Rubber tires. Serial No. 387,775; Apr. 6. Class 35.

Auto City Plating Co., Inc., Detroit, Mich. Cast iron cooking hollow ware. Serial No. 388,114; Apr. 6. Class 13.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 386,470; Apr. 6. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 386,515; Apr. 6. Class 17.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 388,825; Apr. 6. Class 17.

Baldwin Belting and Leather Company, Inc., The, New York, N. Y. Leather belting. Serial No. 387,972; Apr. 6. Class 35.

Barrell, William L., Company, Inc., New York, N. Y. High count, light weight cotton fabrics dyed and waterproofed. Serial No. 386,925; Apr. 6. Class 50.

Barrie, Chester, Inc., New York, N. Y. Men's suits. Serial No. 374,320; Apr. 6. Class 39.

Bates, H., Co., Inc., New York, N. Y. Rayon and cotton nets. Serial No. 387,368; Apr. 6. Class 42.

Bell Textile Company, New York, N. Y. Blankets. Serial No. 387,973; Apr. 6. Class 42.

Bisceglia Bros., San Jose, Calif. Wine. Serial No. 384,236; Apr. 6. Class 47.

Bleitz, J. J., Seattle, Wash. Cremation furnaces for cremating human bodies. Serial No. 380,338; Apr. 6. Class 34.

Boback, H. C., Co., Inc., New York, N. Y. Sausages. Serial No. 383,715; Apr. 6. Class 46.

Bonat & Bonat, Inc., New York, N. Y. Permanent hair wave pads, spacers, curling rods, etc. Serial No. 381,861; Apr. 6. Class 44.

Bonne Bell, Inc., Cleveland, (Lakewood), Ohio. Skin and scalp lotions. Serial No. 388,527; Apr. 6. Class 6.

Bonwit Teller, Inc., New York, N. Y. Shoes. Serial No. 373,994; Apr. 6. Class 39.

Botany Worsted Mills, Passaic, N. J. Woolen piece goods. Serial Nos. 388,755–6; Apr. 6. Class 42.

Botany Worsted Mills, Passaic, N. J. Woolen piece goods. Serial Nos. 388,758–9; Apr. 6. Class 42.

Bowman, Abram S., doing business as A. Smith Bowman Distillery, Sunset Hills, Va. Whiskey. Serial No. 388,341; Apr. 6. Class 49.

Brach, E. J., & Sons, Chicago, Ill. Candies. Serial No. 388,760; Apr. 6. Class 46.

Brauer Liquor Co., Jersey City, N. J. Whiskey. Serial No. 387,431; Apr. 6. Class 49.

Brewers Scientific Laboratories, Inc., Rahway, N. J. Chemical substance of vegetable origin used in the clarification of beer and ales. Serial No. 388,046; Apr. 6. Class 48.

Brite X Co., The. (See Noer, Victor R.)

Bruns Publications, Inc., New York, N. Y. Magazine. Serial No. 388,562; Apr. 6. Class 38.

Buckingham Corporation, The, New York, N. Y. Whisky. Serial No. 386,359; Apr. 6. Class 49.

Buckingham Corporation, The, New York, N. Y. Whisky. Serial No. 386,929; Apr. 6. Class 49.

Buckingham Corporation, The, New York, N. Y. Imported gin. Serial No. 386,933; Apr. 6. Class 49.

Builders Iron Foundry, Providence, R. I. Apparatus for automatically controlling an operation. Serial No. 371,296; Apr. 6. Class 26.

Capitol Wine & Spirit Corporation, New York, N. Y. Whiskey. Serial No. 389,454; Apr. 6. Class 49.

Carroll Distributing Company. (See Israelson, Reuben H.)

Cederoth, Bruce E., Chicago, Ill. Shoe laces. Serial No. 388,182; Apr. 6. Class 40.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 388,829; Apr. 6. Class 42.

Celluloid Corporation, Newark, N. J. Material in the form of sheets, films or foils for use in the manufacture of ornamental and decorative articles or surfaces. Serial No. 368,398; Apr. 6. Class 1.

Certi-Pay Systems, The, St. Louis, Mo. Bank checks, bank depositors' identification certificates, and bank service forms. Serial No. 388,119; Apr. 6. Class 37.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Sheet metal. Serial No. 389,167; Apr. 6. Class 14.

Chicago Pharmacal Co., Chicago, Ill. Counter-irritant and local application for the treatment of sprains, etc. Serial No. 387,312; Apr. 6. Class 6.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. Serial No. 388,894; Apr. 6. Class 38.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. Serial No. 388,895; Apr. 6. Class 38.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Newspaper column. Serial No. 388,897; Apr. 6. Class 38.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. Serial Nos. 388,898–9; Apr. 6. Class 38.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. Serial No. 388,902; Apr. 6. Class 38.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. Serial Nos. 388,904–5; Apr. 6. Class 38.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. Serial Nos. 388,906–10; Apr. 6. Class 38.

Citrus Products Company, Chicago, Ill. Beverages, and syrups and concentrates from which such soft drinks are made. Serial No. 388,563; Apr. 6. Class 45.

Collis, George B., doing business as Armor Bronze Company, Taunton, Mass. Book ends. Serial No. 384,371; Apr. 6. Class 32.

Conewango Refining Company, The, Warren, Ohio. Mineral wax. Serial No. 388,863; Apr. 6. Class 15.

Connecticut Distilleries, Incorporated, Westport, Conn. Whiskey. Serial No. 389,457; Apr. 6. Class 49.

Cortland Line Company, Inc., Cortland, N. Y. Fish lines. Serial No. 388,917; Apr. 6. Class 22.

Cowles Detergent Company, The, Cleveland, Ohio. Detergent composition for scouring textiles. Serial No. 388,122; Apr. 6. Class 4.

Crescent Beverage Co. Inc., Newark, N. J. Whiskey. Serial No. 387,061; Apr. 6. Class 49.

Crowell Publishing Company, The, New York, N. Y. Magazine feature. Serial No. 387,544; Apr. 6. Class 38.

Cuba Industrial y Comercial, S. A., Habana, Cuba. Chocolate. Serial No. 363,386; Apr. 6. Class 46.

Derris, Inc., New York, N. Y. Toilet bowl cleaner. Serial No. 388,390; Apr. 6. Class 4.

Detroit Sulphite Pulp & Paper Co., Detroit, Mich. Wrapping paper. Serial No. 385,567; Apr. 6. Class 37.

Dia-Tonic Co., Union City, N. J. Bread. Serial No. 382,866; Apr. 6. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Distillata Company, The, Cleveland, Ohio. Ginger ale. Serial No. 388,436; Apr. 6. Class 45.
Distillers Exchange, Inc., New York, N. Y. Rum. Serial No. 387,663; Apr. 6. Class 49.
Douglas, James A. (See Ferguson, Alfred D.)
Ebling Brewing Company, Inc., Brooklyn, N. Y. Beer, stout, ale, and porter. Serial No. 388,349; Apr. 6. Class 48.
Elder Manufacturing Company, St. Louis, Mo. Jackets, jumperalls, knickers, etc. Serial No. 388,127; Apr. 6. Class 39.
Electric Household Utilities Corporation, Chicago, Ill. Ironing machines. Serial No. 389,174; Apr. 6. Class 24.
Ellis, Arthur L., & Co., Inc., Boston, Mass. Shower curtain. Serial No. 387,462; Apr. 6. Class 13.
Ely & Walker Dry Goods Company, St. Louis, Mo. Shirts and collars. Serial No. 388,315; Apr. 6. Class 39.
Enterprise Manufacturing Company, The, Akron, Ohio. Hook holders and rod caps for cane poles and casting rods. Serial No. 388,772; Apr. 6. Class 22.
Etablissements Tripette & Renaud Fils, Société Anonyme, Paris, France. Bolting cloth. Serial No. 386,937; Apr. 6. Class 42.
Faber, A. W., Inc., Newark, N. Y. Pencils, erasers, rubber bands, etc. Serial No. 387,820; Apr. 6. Class 37.
Fehring, Emil W. A., Manitowoc, Wis. Bath powder. Serial No. 381,867; Apr. 6. Class 6.
Ferguson, Alfred D., doing business as James A. Douglas and Al Jad, New York, N. Y. Periodical. Serial No. 388,439; Apr. 6. Class 38.
Ficks Reed Co., Cincinnati, Ohio. Hammocks. Serial No. 387,701; Apr. 6. Class 22.
Fine Arts Association, Chicago, Ill. Frames for framing portraits, paintings and pictures, etc. Serial No. 387,896; Apr. 6. Class 32.
Finis Co., The, Seattle, Wash. Medicinal preparation. Serial No. 386,423; Apr. 6. Class 6.
Floriat Dairy Products Corp., New York, N. Y. Cream cheese. Serial No. 387,938; Apr. 6. Class 46.
Folkard & Lawrence, Inc., New York, N. Y. Piece goods and steamer and pram rugs of textile fabrics. Serial No. 388,977; Apr. 6. Class 42.
Fowler, John, & Co. (Leeds) Ltd., Leeds, England. Internal combustion engines and parts thereof. Serial No. 388,133; Apr. 6. Class 23.
Fownes Bros. & Co., Inc., New York, N. Y. Gloves. Serial No. 388,606; Apr. 6. Class 39.
Friedman, M., & Son, New York, N. Y. Garment bags, laundry bags, and shoe bags. Serial No. 388,352; Apr. 6. Class 2.
Froeschke, R., & Co. (See Hesse, Franz.)
Fruit Products Corporation, Belleville, N. J. Cherries in glass containers. Serial No. 372,471; Apr. 6. Class 46.
Galion Metallic Vault Company, The, doing business as Hercules Steel Products Company, Galion, Ohio. Split drive power take off. Serial No. 374,659; Apr. 6. Class 23.
Gangjee Sajun & Co., Calcutta, India. Rice. Serial No. 385,009; Apr. 6. Class 46.
General Beverage Corp., Springfield, Mass. Non-alcoholic beverages. Serial No. 388,932; Apr. 6. Class 45.
General Chemical Company, New York, N. Y. Insecticides and preparations for control of plant pests. Serial No. 387,121; Apr. 6. Class 6.
General Electric Company, Schenectady, N. Y. Electric cable. Serial No. 375,292; Apr. 6. Class 21.
General Emergency Lighting Corporation, Philadelphia, Pa. Machine for producing a substitute supply of electric current. Serial No. 385,396; Apr. 6. Class 21.
Gilbert and Dimitre, Eau Claire, Wis. Cleaning soap. Serial No. 388,056; Apr. 6. Class 4.
Gillette Safety Razor Company, Boston, Mass. Safety razor blades. Serial No. 387,826; Apr. 6. Class 23.
Gordon Clothing Co., Chicago, Ill. Suits, coats, trousers, etc. Serial No. 382,828; Apr. 6. Class 39.
Goshen Manufacturing Company, The, Goshen, Ind. Play and amusement apparatus. Serial No. 388,866; Apr. 6. Class 22.
Great Northern Wine Company Inc., New York, N. Y. Wines. Serial No. 387,668; Apr. 6. Class 47.
Greenfield's, E., Sons, Inc., New York, N. Y. Candies. Serial No. 388,232; Apr. 6. Class 46.
Gretsch, Fred., Manufacturing Co., The, Brooklyn, N. Y. Drums, banjos, and guitars. Serial No. 384,377; Apr. 6. Class 36.
Gruen Watch Company, The, Cincinnati, Ohio. Watch cases, watches, and watch movements. Serial No. 389,357; Apr. 6. Class 27.
Hausman, Newman & Miller, Inc., New York, N. Y. Men's clothing. Serial No. 387,467; Apr. 6. Class 39.
Hawthorn Drug Company, Incorporated, St. Louis, Mo. First aid antiseptic and liniment. Serial No. 386,232; Apr. 6. Class 6.
Henderson, Albert, Pittsburgh, Pa. Metal structural members. Serial No. 388,002; Apr. 6. Class 12.
Henriksen, Arthur N., doing business as The Russian Oil Company, Chicago, Ill. Lubricating oils and greases. Serial No. 389,027; Apr. 6. Class 15.
Hercules Steel Products Company. (See Galion Metallic Vault Company, The.)
Herte, E. J., Milwaukee, Wis. Dolls. Serial No. 388,641; Apr. 6. Class 22.
Hesse, Franz, doing business as R. Froeschke & Co., Berlin-Neukolln, Germany. Rolls and pellets of cotton wool for dental use, hardening and soldering materials for dental purposes, moulding material for dental purposes, etc. Serial No. 381,805; Apr. 6. Class 44.
Holmes, C. Edwin, Onawa, Iowa. Poultry medicines. Serial Nos. 380,913–14; Apr. 6. Class 6.
Hudson, Harold L., Westfield, Mass. Cigars. Serial No. 385,732; Apr. 6. Class 17.
Ideal Novelty & Toy Company, Long Island City, N. Y. Dolls, costumes for dolls, parts of costumes for dolls, etc. Serial No. 389,129; Apr. 6. Class 22.
Israelson, Reuben H., doing business as Carroll Distributing Company, Baltimore, Md. Medicated cream. Serial No. 384,148; Apr. 6. Class 6.
Isserson, Albert, doing business as Nu-Life Rug Cleaner Company, Cleveland, Ohio. Rug and upholstery cleaner. Serial No. 375,643; Apr. 6. Class 4.
Jad, Al. (See Ferguson, Alfred D.)
Jeffrey, Harry A., New York, N. Y. Watches, watch cases, watch parts, etc. Serial No. 389,067; Apr. 6. Class 27.
Katz Drug Company, Kansas City, Mo. Grass seed. Serial No. 388,943; Apr. 6. Class 1.
Keene Drug Company, Indianapolis, Ind. Pharmaceutical preparations and liniment. Serial No. 386,588; Apr. 6. Class 6.
Keene Drug Company, Indianapolis, Ind. Pharmaceutical preparations. Serial No. 387,380; Apr. 6. Class 6.
Keller, Arthur E., doing business as E. Keller & Sons, Allentown, Pa. Silver polish. Serial No. 388,006; Apr. 6. Class 4.
Kemper, Charles M., New York, N. Y. Injection fluid particularly adapted for treating arthritis. Serial No. 385,693; Apr. 6. Class 6.
Kendall Company, The, Walpole, Mass. Gauze. Serial No. 358,934; Apr. 6. Class 42.
Kramer Bros., New York, N. Y. Hosiery. Serial No. 385,984; Apr. 6. Class 39.
Lafayette Brewery Inc., La Fayette, Ind. Beer. Serial No. 388,988; Apr. 6. Class 48.
Lampl Sportswear Manufacturing Company, The, Cleveland, Ohio. Dresses, sweaters. Serial No. 387,884; Apr. 6. Class 39.
Lat Research Products, Chicago, Ill. Food and health drink. Serial No. 385,441; Apr. 6. Class 6.
Leonard, A. O., Incorporated, New York, N. Y. Medicine for ear ailments. Serial No. 383,198; Apr. 6. Class 6.
Leterstone Sales Company, Chicago, Ill. Generator output controls. Serial No. 369,539; Apr. 6. Class 21.
Levy, Sam, Douglas, Ariz. Magazines. Serial No. 388,536; Apr. 6. Class 38.
Lewis-Martin Company, New York, N. Y. Flavoring used in the preparation of soft drinks. Serial No. 388,356; Apr. 6. Class 45.
Lido Sportswear, Inc., New York, N. Y. Dresses and blouses. Serial No. 387,908; Apr. 6. Class 39.
Lippitt Woolen Company, Woonsocket, R. I., and New York, N. Y. Textile fabrics. Serial No. 388,784; Apr. 6. Class 42.
Louangel Corporation, New York, N. Y. Shoe cleaner. Serial No. 388,579; Apr. 6. Class 4.
Marine Products Co., San Diego, Calif. Canned tuna. Serial No. 387,708; Apr. 6. Class 46.
Marrow, William M., doing business as Marrow Modes Co., New York, N. Y. Dresses. Serial No. 387,912; Apr. 6. Class 39.
Mars Signal Light Company, Chicago, Ill. Electric headlight and signal lamps. Serial No. 388,720; Apr. 6. Class 21.
Martin, Louis P., Saugus, Mass. Liniment. Serial No. 388,505; Apr. 6. Class 6.
Martocci, Domenic M., Hartford, Conn. Salve or ointment. Serial No. 387,751; Apr. 6. Class 6.
Mawer-Guilden-Annis, Inc., Brooklyn, N. Y. Bottled olives and cherries. Serial No. 387,752; Apr. 6. Class 46.
Mayer-Nock Co., The, Philadelphia, Pa. Girls' frocks, boys' suits, and children's dresses. Serial No. 388,477; Apr. 6. Class 39.
McCaw, Henry L. (See Robinson-McCaw Mills.)
McCoy, Jones & Westlake, Inc., Chicago, Ill. Soap. Serial No. 388,950; Apr. 6. Class 4.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Playing cards. Serial No. 389,087; Apr. 6. Class 22.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Playing cards. Serial No. 389,089; Apr. 6. Class 22.
Medicated Kerchief Co. (See Naum, Harry D.)
Melien Company Inc., The, Los Angeles, Calif. Preparation for treatment of hemorrhoids, rectal disorders, and the like. Serial No. 384,005; Apr. 6. Class 6.
Merck & Co. Inc., Rahway, N. J. Therapeutically active compound comprising crystalline vitamin B. Serial No. 381,130; Apr. 6. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Merkel & Klenlin G. m. b. H., Esslingen-Neckar, Germany. Yarns. Serial No. 388,652; Apr. 6. Class 43.
Meyer, Joseph H., Brothers, Brooklyn, N. Y. Hat boxes of cellulose acetate and resinol derivatives and paper. Serial Nos. 388,199–200; Apr. 6. Class 2.
Middlesex Wholesale Grocery Co., New Brunswick, N. J. Canned vegetables. Serial No. 388,790; Apr. 6. Class 46.
Monkarsh, Sarah, doing business as Sun Myte Wash Products, Chicago, Ill. Bleach, deodorant, and disinfectant. Serial No. 385,446; Apr. 6. Class 6.
Monsanto Chemical Company, St. Louis, Mo. Chemical adjuvants for animal and vegetable oils. Serial No. 388,588; Apr. 6. Class 6.
Mount Olive Pickle Co., Inc., Mount Olive, N. C. Pickles and pickle relishes. Serial No. 388,541; Apr. 6. Class 46.
Mülhens, Ferd., Inc., New York, N. Y. Shaving soap, toilet soap, glycerine soap, etc. Serial No. 388,791; Apr. 6. Class 4.
Mutual Benefit Life Insurance Company, The, Newark, N. J. Charts and questionnaires. Serial No. 388,507; Apr. 6. Class 37.
NEA Service, Inc., Cleveland, Ohio. Comic drawings. Serial No. 388,508; Apr. 6. Class 38.
NEA Service, Inc., Cleveland, Ohio. Informative topics. Serial No. 388,590; Apr. 6. Class 38.
N. V. Organon, Oss, Netherlands. Preparations for the treatment of abortus, alcoholism, alopecia, anemia, etc. Serial Nos. 381,994–5; Apr. 6. Class 6.
National Steel Barrel Company, The, Cleveland, Ohio. Metal pails, drums, and barrels. Serial No. 385,897; Apr. 6. Class 2.
National Steel Barrel Company, The, Cleveland, Ohio. Metal pails. Serial No. 387,917; Apr. 6. Class 2.
Naum, Harry D., doing business as Medicated Kerchief Co., Brooklyn, N. Y. Medicated handkerchiefs and other cloths. Serial No. 385,598; Apr. 6. Class 6.
New Orleans Alcohol and Distilling Corporation, New Orleans, La. Ethyl alcohol. Serial No. 384,430; Apr. 6. Class 49.
Noer, Victor R., doing business as The Brite X Co., Colfax, Wis. Chemical compound. Serial No. 388,240; Apr. 6. Class 4.
North American Veterinarian, Inc., The, Evanston, Ill. Quarterly periodical. Serial No. 387,949; Apr. 6. Class 38.
Nu-Life Rug Cleaner Company. (See Isserson, Albert.)
Odora Company, Inc., New York, N. Y. Paperboard or corrugated paperboard storage receptacles. Serial No. 388,238; Apr. 6. Class 2.
Ohio Crankshaft Company, The, Cleveland, Ohio. Crankshafts for engines. Serial No. 382,136; Apr. 6. Class 23.
Old Fashioned Herb Company, The, Alhambra, Calif. Vegetable laxative preparation. Serial No. 384,776; Apr. 6. Class 6.
Pacific Mills, Lawrence and Boston, Mass. Mixed cotton and woolen piece goods. Serial No. 388,591; Apr. 6. Class 42.
Paillard, E., & Cie, Société Anonyme, Yverdon, Switzerland. Typewriting machines and parts of the same. Serial No. 377,229; Apr. 6. Class 23.
Para-Flex Plate Corporation, New York, N. Y. Printing plates, engraving plates, rubber composition printing plates, etc. Serial No. 387,006; Apr. 6. Class 50.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Game. Serial No. 389,263; Apr. 6. Class 22.
Pharma-Craft Corporation, The, Louisville, Ky. Fungicide and germicide for the treatment of athlete's foot, etc. Serial No. 387,797; Apr. 6. Class 6.
Picker-Linz Importers, Inc., New York, N. Y. Cognac brandy. Serial Nos. 387,836–7; Apr. 6. Class 49.
Pictorial Paper Package Corporation, Aurora, Ill. Trading stamps. Serial No. 388,409; Apr. 6. Class 38.
Pirel Co., The. (See Robinson, Samuel.)
Popper-Morson Co., Inc., Jersey City, N. J. Whiskey. Serial No. 389,471; Apr. 6. Class 49.
Powell, R. E., San Marino, Calif. Nonalcoholic beverages. Serial No. 388,958; Apr. 6. Class 45.
Price Battery Corporation, Philadelphia, Pa. Storage batteries. Serial No. 388,796; Apr. 6. Class 21.
Products, V. C., Company, Inc., Philadelphia, Pa. Soluble cleansing compound. Serial No. 388,158; Apr. 6. Class 4.
Quigley Publishing Company, Inc., New York, N. Y. Book or magazine. Serial No. 388,242; Apr. 6. Class 38.
RCA Manufacturing Company, Inc., Camden, N. J. Radio receiving sets and accessories and parts thereof. Serial No. 386,777; Apr. 6. Class 21.
R. D. S. Photo Print Service, Inc., New York, N. Y. Photo prints. Serial No. 384,106; Apr. 6. Class 38.
Rancho Sespe, Fillmore, Calif. Fresh citrus fruits. Serial No. 388,334; Apr. 6. Class 46.
Red Star Yeast and Products Co., Milwaukee, Wis. Compressed yeast. Serial No. 388,660; Apr. 6. Class 46.
Reefer-Galler Inc., New York, N. Y. Insecticides, insect exterminators, repellents, etc. Serial No. 387,350; Apr. 6. Class 6.
Renken & Yates Smith Corporation, The, New York, N. Y. Biscuits. Serial No. 388,729; Apr. 6. Class 46.
Richardson, Charles L., & Co., Inc., Boston, Mass. Whiskey. Serial No. 388,106; Apr. 6. Class 49.
Robinson-McCaw Mills, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo., said Robinson assignor to said McCaw. Wheat flour. Serial No. 381,096; Apr. 6. Class 46.
Robinson-McCaw Mills, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo., said Robinson assignor to said McCaw. Wheat flour. Serial No. 381,098; Apr. 6. Class 46.
Robinson-McCaw Mills, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo., said Robinson assignor to said McCaw. Wheat flour. Serial Nos. 382,277–80; Apr. 6. Class 46.
Robinson, Samuel, doing business as The Pirel Co., Columbus, Ohio. Medicinal preparation. Serial No. 387,561; Apr. 6. Class 6.
Roussillon, Pierre, Villeurbanne, France. Lace and tulle. Serial No. 383,704; Apr. 6. Class 42.
Russian Oil Company, The. (See Henriksen, Arthur N.)
Sachs, Harry, New York, N. Y. Beverages, and syrups and extracts for making the same. Serial No. 388,849; Apr. 6. Class 45.
Schecter Brothers Company, Philadelphia, Pa. Roof coating, roof cement, and roofing papers. Serial No. 382,395; Apr. 6. Class 12.
Schenley Products Company, New York, N. Y. Whiskey, gin, rum, etc. Serial No. 388,960–1; Apr. 6. Class 49.
Schloss Bros. & Co., Inc., Baltimore, Md. Suits, coats, trousers, etc. Serial No. 382,773; Apr. 6. Class 39.
Scovill Manufacturing Company, Waterbury, Conn. Snap fasteners. Serial No. 387,756; Apr. 6. Class 40.
Silver Springs Water Company, Detroit, Mich. Beverages and soft drinks including syrups and extracts for making the same. Serial No. 388,548; Apr. 6. Class 45.
Skin Charm Massager, Inc., Memphis, Tenn. Skin massager. Serial No. 383,106; Apr. 6. Class 44.
Slote & Klein, Inc., New York, N. Y. Ladies' belts. Serial No. 388,246; Apr. 6. Class 39.
Smith, Ernest L., San Francisco, Calif. Lotions and hair waving solutions. Serial No. 387,422; Apr. 6. Class 6.
Snow Crest Beverages, Inc., Salem, Mass. Syrups or extracts for making beverages. Serial No. 388,465; Apr. 6. Class 45.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax derived from petroleum. Serial No. 388,468; Apr. 6. Class 15.
Southern Coal Company, Inc., Memphis, Tenn. Coal. Serial No. 385,680; Apr. 6. Class 1.
Southern Dyestuff Corporation, Charlotte, N. C. Dyestuffs. Serial No. 385,703; Apr. 6. Class 6.
Southern Rice Sales Co., Inc., New York, N. Y. Rice. Serial No. 388,285; Apr. 6. Class 46.
Southern States Cooperative, Incorporated, Richmond, Va. Fertilizers. Serial No. 387,520; Apr. 6. Class 10.
Southern States Cooperative, Incorporated, Richmond, Va. Flower, field, and garden seeds. Serial No. 387,522; Apr. 6. Class 1.
Spencer Turbine Company, The, Hartford, Conn. Rock drilling apparatus. Serial No. 388,147; Apr. 6. Class 23.
Sporex Laboratories, Incorporated, Macomb, Ill. Preparation for treatment of athlete's foot. Serial No. 385,755; Apr. 6. Class 6.
Stamford Rubber Supply Company, The, Stamford, Conn. Vulcanized vegetable oils, vulcanized fish oils, and vulcanized animal oils. Serial No. 387,803; Apr. 6. Class 1.
Standard Oil Company, The, Cleveland, Ohio. Lubricating oils and greases. Serial No. 388,420; Apr. 6. Class 15.
Sun Myte Wash Products. (See Monkarsh, Sarah.)
Technical Porcelain and Tile Company, El Cerrito, Calif. Vitreous porcelain bathroom and kitchen wall fixtures. Serial No. 375,736; Apr. 6. Class 13.
Thacker, James M., New York, N. Y. Mailing lists in booklet form. Serial No. 388,288; Apr. 6. Class 38.
Thomas Publishing Company, New York, N. Y. Periodical. Serial No. 388,859; Apr. 6. Class 38.
Triangle Electric Co., Chicago, Ill. Radio receiving sets. Serial No. 380,809; Apr. 6. Class 21.
United Drug Company, Boston, Mass. Effervescent analgesic alkalizer tablet. Serial No. 388,378; Apr. 6. Class 6.
United Packing Corporation, Oakland, Calif. Canned fruits. Serial No. 388,735; Apr. 6. Class 46.
United States Drug & Chemical Corporation, Malden, Mass. Medicinal preparation for the relief of pain. Serial No. 379,864; Apr. 6. Class 6.
United States Electric Mfg. Corporation, New York, N. Y. Flashlights. Serial No. 388,810; Apr. 6. Class 21.
U. S. Hame Company, Buffalo, N. Y. Hames. Serial No. 388,734; Apr. 6. Class 3.
Van Norman Machine Tool Company, Springfield, Mass. Internal and external cylindrical grinding machines, radius grinding machines, piston turning and grinding machines, etc. Serial No. 387,717; Apr. 6. Class 23.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Vegola Specialty Company, Inc., Buffalo, N. Y. Medicine. Serial No. 387,806; Apr. 6. Class 6.
Vestal Chemical Company, St. Louis, Mo. Floor sealing, finishing, and preserving preparation. Serial No. 388,160; Apr. 6. Class 16.
Victor Safe & Equipment Company, Inc., The, North Tonawanda, N. Y. File cabinets, drawers, and parts thereof. Serial No. 387,414; Apr. 6. Class 32.
Victor Safe & Equipment Company, Inc., The, North Tonawanda, N. Y. File cabinets, drawers, and parts thereof. Serial Nos. 388,694–5; Apr. 6. Class 32.
Visual Sciences. (See Zwart, Gerrit C.)
Waldner-Heller Drug Company, Berwick, Pa. Medicinal preparation. Serial No. 388,696; Apr. 6. Class 6.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. Serial Nos. 389,280–5; Apr. 6. Class 49.
Walker, Tom, Inc., Pittsburgh and Glenfield, Pa. Whiskey. Serial No. 388,037; Apr. 6. Class 49.
Washington Dental Company, Washington, D. C. Dental restorations. Serial No. 386,001; Apr. 6. Class 44.
Washington Dental Company, Washington, D. C. Dental restorations. Serial No. 386,087; Apr. 6. Class 44.
Well Clothing Company, St. Louis, Mo. Suits, coats, pants, etc. Serial No. 388,167; Apr. 6. Class 39.
Weiner, Martin, doing business as Martin Weiner Co., New York, N. Y. Textile fabrics. Serial No. 384,174; Apr. 6. Class 42.
Welter & Welter, Sand Springs, Iowa. Medicine for hogs. Serial No. 387,689; Apr. 6. Class 6.
Werfelman, George H., doing business as The Geo. H. Werfelman Co., Los Angeles, Calif. Mechanical sewer sweep. Serial No. 387,096; Apr. 6. Class 23.
West Coast Gouley Burcham Co. Ltd., Los Angeles, Calif. Paper bags, paper plates, and paper cups. Serial No. 387,605; Apr. 6. Class 2.
Western States Wholesale Music Corp., Seattle, Wash. Brass, reed and stringed musical instruments. Serial No. 388,556; Apr. 6. Class 36.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerators. Serial No. 386,879; Apr. 6. Class 31.
West Virginia Tobacco Corp., Beckley, W. Va. Cigarettes. Serial No. 388,861; Apr. 6. Class 17.
White, H. Kirk, & Co., Oconomowoc, Wis. Effervescent salts. Serial No. 378,762; Apr. 6. Class 6.
White, H. Kirk, & Co., Oconomowoc, Wis. Alkaline effervescent salts. Serial No. 387,097; Apr. 6. Class 6.
White, Lester H., Fairfield, Conn. Game apparatus. Serial No. 388,602; Apr. 6. Class 22.
Whitman, Ray B., New York, N. Y. Golf ball supports or tees. Serial No. 381,889; Apr. 6. Class 22.
Whittinghill, R. C., New York, N. Y. Empty kit for toilet articles. Serial No. 385,765; Apr. 6. Class 2.
Wisconsin Machinery & Manufacturing Co., West Allis, Wis. Engine cylinder sleeves. Serial No. 359,882; Apr. 6. Class 23.
Wolf, Jacques, & Co., Clifton, N. J. Chemical preparation for tanning leathers. Serial No. 386,185; Apr. 6. Class 6.
Woodford County Distillery Co., Midway, Ky. Whiskey. Serial No. 389,003; Apr. 6. Class 49.
World Bottling Company, Ltd., New Orleans, La. Beverages, and syrups, extracts, and flavors used in making the same. Serial No. 388,604; Apr. 6. Class 45.
Wullschleger & Co., New York, N. Y. Silk goods. Serial No. 387,848; Apr. 6. Class 42.
Wurm Brothers Company, Chicago, Ill. Canned fruits, canned vegetables, canned fish, etc. Serial No. 383,498; Apr. 6. Class 46.
Yore, George J., doing business as George J. Yore and Company, Chicago, Ill. Heating pads. Serial No. 386,327; Apr. 6. Class 44.
Zittrauer, Stephen M., Marlow, Ga. Canned Georgia cane syrup. Serial No. 385,920; Apr. 6. Class 46.
Zwart, Gerrit C., doing business as Visual Sciences, Suffern, N. Y. Peep devices for producing an inverted retinal image. Serial No. 388,039; Apr. 6. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

Adhesives, Inc., Cleveland, Ohio. Solution for removing rust and scale. 344,831; Apr. 6; Serial No. 385,382; published Jan. 26, 1937. Class 6.
Akhtar, Jamil, doing business as Taj Perfume Co., and East & West Herbs Laboratory, Detroit, Mich. Medicinal preparation. 344,810; Apr. 6; Serial No. 385,023; published Jan. 26, 1937. Class 6.
Alabastine Company, The, Grand Rapids, Mich. Paints, varnishes, paint enamels, etc. 344,766; Apr. 6; Serial No. 383,192; published Jan. 26, 1937. Class 16.
Allen, Benjamin K., doing business as Allen Manufacturing Co., Memphis, Tenn. Beverages and syrup for making the same. 344,933; Apr. 6. Class 45.
Allied Golf Corporation, Chicago, Ill. Golf clubs. 344,755; Apr. 6; Serial No. 380,856; published Jan. 26, 1937. Class 22.
American Zinc Sales Company, St. Louis, Mo. Zinc oxide for use as paint pigment. 344,730; Apr. 6; Serial No. 374,548; published Jan. 26, 1937. Class 16.
Armstrong Bros. Tool Co., Chicago, Ill. Cutlery, machinery, and tools. 115,574; renewed Feb. 27, 1937.
Astrup Company, The, Cleveland, Ohio. Cotton piece goods. 344,803; Apr. 6; Serial No. 384,876; published Jan. 26, 1937. Class 42.
Aulsbrook Company, The, Detroit, Mich. Spring assembly for upholstery purposes. 344,749; Apr. 6; Serial No. 380,030; published Jan. 26, 1937. Class 32.
Ault & Wiborg Company, The, by judicial change of name Ault & Wiborg Carbon & Ribbon Co., Inc., New York, N. Y. Mucilage and library paste. 344,711; Apr. 6; Serial No. 366,106; published Jan. 26, 1937. Class 5.
Bachmann, L., & Co. Inc., New York, N. Y. Fabrics. 344,720; Apr. 6; Serial No. 370,856; published Dec. 31, 1935. Class 42.
Bachmann, L., & Co. Inc., New York, N. Y. Outer garments. 344,721; Apr. 6; Serial No. 370,857; published Dec. 31, 1935. Class 39.
Baltimore Bargain House, Baltimore, Md., to Butler Brothers, Chicago, Ill., successor. Cambrics, nainsooks, and muslins. 116,030; renewed Apr. 3, 1937.
Banana Products Company, Inc., New York, N. Y. Powdered banana product. 344,790; Apr. 6; Serial No. 384,643; published Jan. 26, 1937. Class 46.
Battat, Ezekiel M., doing business as Battat Import-Export Company, San Francisco, Calif. Canned fish. 344,862; Apr. 6; Serial No. 385,774; published Jan. 26, 1937. Class 46.
Bausch & Lomb Optical Company, Rochester, N. Y. Measuring and scientific appliances. 117,976; renewed Aug. 14, 1937.
Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. 344,883; Apr. 6; Serial No. 386,094; published Jan. 26, 1937. Class 42.
Benco Products. (See Bender, Joseph B.)
Bender, Joseph B., doing business as Benco Products, New York, N. Y. Cream shampoo. 344,746; Apr. 6; Serial No. 379,921; published Jan. 26, 1937. Class 6.
Bender, Joseph B., doing business as Benco Products, New York, N. Y. Depilatory cream. 344,747; Apr. 6; Serial No. 379,923; published Jan. 26, 1937. Class 6.
Benrus Watch Company, New York, N. Y. Watches and attached bracelets. 344,887–91; Apr. 6; Serial Nos. 386,187–91; published Jan. 26, 1937. Class 27.
Benrus Watch Company, New York, N. Y. Watches and attached bracelets. 344,892–3; Apr. 6; Serial Nos. 386,193–4; published Jan. 26, 1937. Class 27.
Benrus Watch Company, New York, N. Y. Watches and attached bracelets. 344,894; Apr. 6; Serial No. 386,196; published Jan. 26, 1937. Class 27.
Bentley, Settle & Co. Inc. (See Genant & Flachsland, assignor.)
Benzofoam Products Co., The. (See Lesser, David B.)
Berman, Ralph E., doing business as Fine Art Patterns, New York, N. Y. Patterns for garments. 344,756; Apr. 6; Serial No. 381,062; published Jan. 26, 1937. Class 26.
Blumenthal, Henry S., Jackson Heights, N. Y. Typewriter and other inked ribbons. 344,898; Apr. 6; Serial No. 386,242; published Jan. 26, 1937. Class 11.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Mohair pile fabrics in the piece. 344,912; Apr. 6. Class 42.
Bonwit Teller, Inc., New York, N. Y. Dresses, outer skirts, blouses, etc. 344,832; Apr. 6; Serial No. 385,390; published Jan. 26, 1937. Class 39.
Borden Company, The, New York, N. Y. Ice cream mix. 344,895; Apr. 6; Serial No. 386,199; published Jan. 26, 1937. Class 46.
Bourjois, Inc., New York, N. Y. Shaving cream and brushless shaving cream. 344,919; Apr. 6. Class 4.
Bowers, Edward C., Trustee, et al. (See Wright Wire Company.)
Brooks Brothers, New York, N. Y. Collars. 344,936; Apr. 6. Class 39.
Brown & Lester, Inc., New York, N. Y. Men's belts and suspenders. 344,815; Apr. 6; Serial No. 385,086; published Jan. 5, 1937. Class 39.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cues. 344,902; Apr. 6; Serial No. 386,343; published Jan. 26, 1937. Class 22.
Bush, Edward G., Los Angeles, Calif. Hair tonic. 344,781; Apr. 6; Serial No. 384,405; published Jan. 26, 1937. Class 6.
Butler Brothers. (See Baltimore Bargain House.)
Butts, William J., New York, N. Y. Door holders. 344,874; Apr. 6; Serial No. 385,968; published Jan. 26, 1937. Class 13.

Butz, Edward N., doing business as Minute Man Products Co., Hartford, Conn. Automobile polish. 344,925; Apr. 6. Class 16.
Camp, Samuel H., assignor to S. H. Camp & Company, Jackson, Mich. Abdominal belts or supports. 116,588; renewed May 15, 1937.
Cannon Shoe Company, Baltimore, Md. Shoes. 344,782; Apr. 6; Serial No. 384,504; published Jan. 26, 1937. Class 39.
Cannon Shoe Company, Baltimore, Md. Leather slippers and/or shoes. 344,829; Apr. 6; Serial No. 385,332; published Jan. 12, 1937. Class 39.
Casco Products Corporation, Bridgeport, Conn. Brake lever extensions, steering wheel knobs, and gear shift balls. 344,808; Apr. 6; Serial No. 384,992; published Jan. 26, 1937. Class 19.
Cavanaugh, Doris H., doing business as Doris Hayes, Boston, Mass. Women's outer apparel. 344,817; Apr. 6; Serial No. 385,174; published Jan. 26, 1937. Class 39.
Cavanaugh, Doris H., doing business as Doris Hayes, Boston, Mass. Suits, dresses, frocks, etc. 344,818; Apr. 6; Serial No. 385,175; published Jan. 19, 1937. Class 39.
Celanese Corporation of America, New York, N. Y. Piece goods. 344,852; Apr. 6; Serial No. 385,624; published Jan. 5, 1937. Class 42.
Celanese Corporation of America, New York, N. Y. Piece goods. 344,903–4; Apr. 6; Serial Nos. 386,361–2; published Jan. 26, 1937. Class 42.
Celliers de la Communaute Marcopoulou, Marcopoulo, assignor to Societe Hellenique de Vins et Spiritueux, S. A., Athens, Greece. Wines. 344,739; Apr. 6; Serial No. 378,358; published Oct. 27, 1936. Class 47.
Chatillon, John, & Sons, New York, N. Y. Weighing-scales. 116,117; renewed Apr. 10, 1937.
Chatillon, John, & Sons, New York, N. Y. Weighing-scales. 116,401; renewed May 1, 1937.
Chatillon, John, & Sons, New York, N. Y. Weighing-scales. 116,592–3; renewed May 15, 1937.
Chatillon, John, & Sons, New York, N. Y. Weighing-scales. 116,883; renewed June 5, 1937.
Child-Forme Shoe Co. Inc., Brooklyn, N. Y. Shoes. 344,929; Apr. 6. Class 39.
Children's House, The. (See Wheeler, Ruth S.)
Cincinnati Galvanizing Company, The, Cincinnati, Ohio. Garbage-pails, garbage-cans, and cans used in making artificial ice. 116,596; renewed May 15, 1937.
Citrus Juice & Flavor Co. Ltd., Orange, Calif. Wines. 344,712; Apr. 6; Serial No. 340,864; published Oct. 31, 1933. Class 47.
Clark Shoe Company, Inc., New York, N. Y. Boots, shoes, and slippers. 344,761; Apr. 6; Serial No. 382,262; published Jan. 12, 1937. Class 39.
Coast Manufacturing & Supply Co., Livermore, Calif. Safety-fuse. 118,159; renewed Aug. 21, 1937.
Cohen, Goldman & Co. Inc., New York, N. Y. Coats, vests, pants, and trousers. 344,778; Apr. 6; Serial No. 384,194; published Jan. 26, 1937. Class 39.
Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. 344,819; Apr. 6; Serial No. 385,176; published Jan. 26, 1937. Class 42.
Columbia Pictures Corporation, New York, N. Y. Motion pictures. 344,799; Apr. 6; Serial No. 384,786; published Jan. 26, 1937. Class 26.
Columbia Plush & Puff Co., Inc., Brooklyn, N. Y. Hand bags and pouches. 344,899; Apr. 6; Serial No. 386,245; published Jan. 26, 1937. Class 3.
Compañia Commercial y de Inversiones, Habana, Cuba. Rum. 344,732; Apr. 6; Serial No. 374,964; published Apr. 21, 1936. Class 49.
Condor Products, Inc., Buffalo, N. Y. Suspenders. 344,844; Apr. 6; Serial No. 385,509; published Jan. 12, 1937. Class 39.
Con-Ferro Paint & Varnish Company, St. Louis, Mo. Paint enamels, varnishes, and varnish stains. 344,751; Apr. 6; Serial No. 380,345; published Jan. 26, 1937. Class 16.
Corn Products Refining Company, New York, N. Y. Combination of dry starches used as an adhesive in paste form. 344,824; Apr. 6; Serial No. 385,280; published Jan. 26, 1937. Class 5.
Cutler-Hammer, Inc., Milwaukee, Wis. Apparatus for measuring and recording the calorific value of gases. 344,863; Apr. 6; Serial No. 385,780; published Jan. 26, 1937. Class 26.
Dalton Hat Company, Yonkers, N. Y. Men's hats. 344,860; Apr. 6; Serial No. 385,726; published Jan. 12, 1937. Class 39.
Department Sales Company. (See Loss, Joseph.)
Dritz-Traum Company, Inc., New York, N. Y. Braid or lacing. 344,791; Apr. 6; Serial No. 384,650; published Jan. 19, 1937. Class 40.
Drucker, Harry N., Cincinnati, Ohio. Roller skates. 344,907; Apr. 6; Serial No. 386,678; published Jan. 26, 1937. Class 22.
Duquesne Paint Company, The, Pittsburgh, Pa. Paint. 118,009; renewed Aug. 14, 1937.
Durand-McNeil-Horner Company, Chicago, Ill. Canned peaches, pears, apricots, and pineapple, and breakfast cereals. 344,800; Apr. 6; Serial No. 384,790; published Jan. 26, 1937. Class 46.
East & West Herbs Laboratory. (See Akhtar, Jamil.)
Elderwood Citrus Association, Elderwood, Calif. Fresh citrus fruits. 344,923; Apr. 6. Class 46.
Elgin American Manufacturing Co., assignor to Illinois Watch Case Company, Elgin, Ill. Articles made of precious materials. 116,616; renewed May 15, 1937.
Eton Corporation, The, New York, N. Y. Hats. 344,760; Apr. 6; Serial No. 382,208; published Jan. 12, 1937. Class 39.
Excelsior Underwear Company, Inc. (See Lubin-Weeker Co., Inc., assignor.)
Excelsior Underwear Company, Inc., Baltimore, Md. Pajamas and men's and boys' underwear. 344,729; Apr. 6; Serial No. 374,078; published Mar. 17, 1936. Class 39.
Farnsworth Television Incorporated, San Francisco, Calif. Thermionic tubes and electron discharge devices. 344,793–5; Apr. 6; Serial Nos. 384,738–40; published Jan. 26, 1937. Class 21.
Feldman, Charles L., Trustees, et al. (See Wright Wire Company.)
Fern, Ben, Sons, Terrace Park, Ohio. Fertilizers. 344,787; Apr. 6; Serial No. 384,584; published Jan. 26, 1937. Class 10.
Fernandez, Palicio y Compania, S. en C., Habana, Cuba. Cigars. 344,776; Apr. 6; Serial No. 383,922; published Jan. 26, 1937. Class 17.
Fine Art Patterns. (See Berman, Ralph E.)
Ford, J. B., Company, The, Wyandotte, Mich. Cleaning compound. 344,805; Apr. 6; Serial No. 384,925; published Jan. 26, 1937. Class 4.
Forest City Brewery, Inc., Cleveland, Ohio. Ale. 344,884; Apr. 6; Serial No. 386,157; published Jan. 26, 1937. Class 48.
French, R. T., Company, The, Rochester, N. Y. Mustard. 344,748; Apr. 6; Serial No. 379,956; published Jan. 26, 1937. Class 46.
Genant & Flachsland, assignor, by mesne assignments, to Bentley, Settle & Co. Inc., Syracuse, N. Y. Foods. 117,034; renewed June 12, 1937.
General Cosmetics Corporation, New York, N. Y. Styptic cream. 344,881; Apr. 6; Serial No. 386,076; published Jan. 26, 1937. Class 6.
General Mills, Inc. (See Washburn Crosby Company, assignor.)
Germania Tea Company, Minneapolis, Minn. Tea. 344,877; Apr. 6; Serial No. 386,023; published Jan. 26, 1937. Class 46.
Gilham, Dilman C., Schuylkill Haven, Pa. Peanut-butter and honey food compound. 116,621; renewed May 15, 1937.
Gimbel Brothers, Inc. (See Peterson, Johannes A., & Co., assignor.)
Glenmore Distilleries Company, Louisville, Ky. Whiskey. 344,833; Apr. 6; Serial No. 385,397; published Jan. 26, 1937. Class 49.
Glidden Company, The, Cleveland, Ohio. Purified gum, thus, rosin, and limed rosin. 344,820; Apr. 6; Serial No. 385,184; published Jan. 26, 1937. Class 1.
Globe Brewing Company, The, Baltimore, Md. Ale and beer. 344,847; Apr. 6; Serial No. 385,578; published Jan. 26, 1937. Class 48.
Globe Brewing Company, The, Baltimore, Md. Ale. 344,848; Apr. 6; Serial No. 385,579; published Jan. 26, 1937. Class 48.
Goldring Merchandising Corporation, New York, N. Y. Women's dresses, coats, suits. 344,740; Apr. 6; Serial No. 378,748; published Jan. 19, 1937. Class 39.
Grace, W. R., & Co., New York, N. Y. Coffee. 344,920–1; Apr. 6. Class 46.
Griffith, James E. (See Southern Bedding Manufacturing Co.)
Hair Net Packers, Inc., New York, N. Y. Non-electrical hair curlers, hair wavers, wave pressers, etc. 344,765; Apr. 6; Serial No. 382,665; published Jan. 12, 1937. Class 40.
Hanan & Son, Inc., New York, N. Y. Shoes. 344,809; Apr. 6; Serial No. 384,998; published Jan. 12, 1937. Class 39.
Harbor Pickle Co., Long Beach, Calif. Pickles and relishes. 344,727; Apr. 6; Serial No. 372,875; published Jan. 19, 1937. Class 46.
Hardinge Company, Incorporated. (See Ruggles-Coles Engineering Co., assignor.)
Hayes, Doris. (See Cavanaugh, Doris H.)
Heathcoat, John, & Co., Inc., New York, N. Y. Nettings, piece goods. 344,735; Apr. 6; Serial No. 376,206; published Jan. 26, 1937. Class 42.
Heger Products Company, St. Paul, Minn. Dog foods. 344,734; Apr. 6; Serial No. 376,123; published May 12, 1936. Class 46.
Heminway, M., & Sons Silk Co., Watertown, Conn. Silk piece goods. 117,441; renewed July 10, 1937.
Henex, S. A., Mexico, D. F., Mexico. Preparation for removing oxide and rust. 344,722; Apr. 6; Serial No. 371,031; published Jan. 26, 1937. Class 6.
Hermiston, James, Manufacturing Company, assignor to Wailes Dove-Hermiston Corporation, New York, N. Y. Paints. 118,037; renewed Aug. 14, 1937.
Hirestra Laboratories, Inc., New York, N. Y. Skin cream. 344,878; Apr. 6; Serial No. 386,029; published Jan. 26, 1937. Class 6.
Hocking Glass Company, The, Lancaster, Ohio. Glass tableware, condiment jars, coffee jars, etc. 344,737; Apr. 6; Serial No. 376,278; published Jan. 26, 1937. Class 33.

Hollywood Rapid Dry Curler. (See McFadden, Ross M.)
Horowitz, Moe D., Atlanta, Ga. Saponaceous compounds. 344,816; Apr. 6; Serial No. 385,097; published Jan. 26, 1937. Class 4.
Howard, Lula, McAndrews, Ky. Household cleaner. 344,834; Apr. 6; Serial No. 385,440; published Jan. 26, 1937. Class 4.
Hutchings, Norman W., doing business as Rice Sales Company, Mobile, Ala. Rice. 344,853; Apr. 6; Serial No. 385,630; published Jan. 19, 1937. Class 46.
Ichikawa, T., doing business as Salinas Packing Company, Salinas, Calif. Fresh vegetables. 344,864; Apr. 6; Serial No. 385,791; published Jan. 26, 1937. Class 46.
Ideal Stencil Machine Company, Belleville, Ill. Stencil-cutting machines. 117,327; renewed July 3, 1937.
Illinois Hotels Foundation, Inc., Chicago, Ill. Distilled whiskey. 344,896; Apr. 6; Serial No. 386,211; published Jan. 26, 1937. Class 49.
Illinois Watch Case Company. (See Elgin American Manufacturing Co., assignor.)
Indianapolis Glove Company, Indianapolis, Ind. Work gloves and work mittens. 344,916; Apr. 6. Class 39.
Ironhard Paint & Color Works, Ltd., Los Angeles, Calif. Paints, varnishes, and paint enamels. 344,814; Apr. 6; Serial No. 385,081; published Jan. 26, 1937. Class 16.
Johnson, Milton C., Company, Inc., New York, N. Y. Bank books, pass books, check books, etc. 344,764; Apr. 6; Serial No. 382,630; published Jan. 26, 1937. Class 37.
Kawahara, Masao, doing business as Kawahara Co., Los Angeles, Calif. Insecticide. 344,742; Apr. 6; Serial No. 379,524; published Jan. 26, 1937. Class 6.
Kaylon Incorporated, New York, N. Y. Pajamas, robes, shirts, and underwear. 344,716; Apr. 6; Serial No. 359,994; published Oct. 8, 1935. Class 39.
Kayser, Julius, & Co., New York, N. Y. Fabric gloves. 344,825; Apr. 6; Serial No. 385,293; published Jan. 26, 1937. Class 39.
Kelly & Doherty, New York, N. Y. Hosiery. 344,744; Apr. 6; Serial No. 379,801; published Aug. 4, 1936. Class 39.
Kelly, Henry, & Sons, Inc., New York, N. Y. Whiskey. 344,717; Apr. 6; Serial No. 364,294; published June 11, 1935. Class 49.
Kentucky Parfay Co., Incorporated, Louisville, Ky. Whiskey. 344,927; Apr. 6. Class 49.
Keyes Fibre Company, Waterville, Maine. Molded pulp packing devices. 344,854–5; Apr. 6; Serial Nos. 385,633–4; published Jan. 26, 1937. Class 2.
Kiefer-Stewart Company. (See Maricatte et Cie., assignor.)
Kozy Coach Co., The. (See Lutes, Clarence M.)
La Junta Canners, Inc., La Junta, Colo. Canned vegetables, canned vegetable juices. 344,811; Apr. 6; Serial No. 385,046; published Jan. 26, 1937. Class 46.
Latimer-Goodwin Chemical Company, The, Grand Junction, Colo. Horticultural sprays and chemicals therefor destructive of plant parasites. 344,796; Apr. 6; Serial No. 384,752; published Jan. 26, 1937. Class 6.
Le Roi Hosiery Co. Inc., New York, N. Y. Hosiery. 344,771; Apr. 6; Serial No. 383,535; published Jan. 19, 1937. Class 39.
Less, Joseph, doing business as Department Sales Company, New York, N. Y. Razor blades. 344,826; Apr. 6; Serial No. 385,296; published Jan. 26, 1937. Class 23.
Lesser, David B., doing business as The Benzofoam Products Co., Chicago, Ill. Dry cleaning soap. 344,783; Apr. 6; Serial No. 384,539; published Jan. 26, 1937. Class 4.
Lewis-Martin and Company, Newark, N. J. Rye bread flavor for rye bread. 344,772; Apr. 6; Serial No. 383,582; published Jan. 26, 1937. Class 46.
Liberty Distributors, Inc., Dundalk, Md. Pure rye whiskey. 344,837; Apr. 6; Serial No. 385,465; published Jan. 26, 1937. Class 49.
Liberty Orchards Company, Cashmere, Wash. Candy. 344,797; Apr. 6; Serial No. 384,753; published Jan. 26, 1937. Class 46.
Liberty Overall Co., doing business as Liberty Trouser Company, Birmingham, Ala. Suits, coats, jackets, and pants. 344,867; Apr. 6; Serial No. 385,849; published Jan. 26, 1937. Class 39.
Lion Shoe Co., Inc., New York, N. Y. Shoes and slippers. 344,780; Apr. 6; Serial No. 384,381; published Jan. 19, 1937. Class 39.
Lobree & Lenney, Inc., San Francisco, Calif. Cloaks and suits. 344,750; Apr. 6; Serial No. 380,288; published Sept. 1, 1936. Class 39.
Lubin-Weeker Co., Inc., New York, N. Y., assignor to Excelsior Underwear Company, Inc., (also known as Excelsior Underwear Co. Inc.), Baltimore, Md. Pajamas. 344,731; Apr. 6; Serial No. 374,932; published Mar. 31, 1936. Class 39.
Lucidin Company, Inc., The, New York, N. Y. Eye lotion. 344,897; Apr. 6; Serial No. 386,215; published Jan. 26, 1937. Class 6.
Lutes, Clarence M., doing business as The Kozy Coach Co., Kalamazoo, Mich. Trailers. 344,879; Apr. 6; Serial No. 386,039; published Jan. 26, 1937. Class 19.
Macy, R. H., & Co., Inc., New York, N. Y. Slippers. 344,868; Apr. 6; Serial No. 385,851; published Jan. 26, 1937. Class 39.
Magic-Lax Corp., Newark, N. J. Aspirin, cold and milk of magnesia tablets. 344,835; Apr. 6; Serial No. 385,444; published Jan. 26, 1937. Class 6.
Mahoning Paint & Oil Company, The, Youngstown, Ohio. Paint, varnish, paint enamel, etc. 344,830; Apr. 6; Serial No. 385,360; published Jan. 26, 1937. Class 16.
Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. 344,845; Apr. 6; Serial No. 385,524; published Jan. 12, 1937. Class 39.
Makransky, S., & Sons, Philadelphia, Pa. Suits, coats, vests, etc. 344,872; Apr. 6; Serial No. 385,931; published Jan. 26, 1937. Class 39.
Manhattan Undergarment Co., Inc., New York, N. Y. Slips, brassières, and underwear. 344,914; Apr. 6. Class 39.
Maricatte et Cie., assignor to Kiefer-Stewart Company, Indianapolis, Ind. Perfumes, toilet waters, rouge, etc. 116,912; renewed June 5, 1937.
Marshall Field & Company, Chicago, Ill. Piece goods. 344,932; Apr. 6. Class 42.
Marshall Steel Company, Oakland, Calif. Hats. 344,753; Apr. 6; Serial No. 380,712; published Jan. 19, 1937. Class 39.
Mauser Mill Company, Laurys Station, to Mauser Mill Company, Treichlers, Pa. Wheat-flour. 117,179–81; renewed June 19, 1937.
May Oil Burner Corporation, Baltimore, Md. Air conditioning units and parts thereof. 344,917; Apr. 6. Class 34.
Mayer-Stern, Incorporated, Allentown, Pa. Polo and sport shirts, and women's blouses. 344,839; Apr. 6; Serial No. 385,485; published Jan. 19, 1937. Class 39.
Mazer-Cressman Cigar Co., Detroit, Mich. Cigars. 344,784–5; Apr. 6; Serial Nos. 384,544–5; published Jan. 26, 1937. Class 17.
McAllister, Harley J., St. Paul, Minn. Game. 344,900; Apr. 6; Serial No. 386,264; published Jan. 26, 1937. Class 22.
McCarthy, Richard B., Swampscott, Mass. Shoes. 344,777; Apr. 6; Serial No. 383,932; published Jan. 19, 1937. Class 39.
McFadden, Ross M., doing business as Hollywood Rapid Dry Curler, Los Angeles, Calif. Non-electrical hair curler. 344,812; Apr. 6; Serial No. 385,053; published Jan. 19, 1937. Class 40.
Merlier, M., Inc., New York, N. Y. Leather and fabric gloves. 344,779; Apr. 6; Serial No. 384,216; published Jan. 19, 1937. Class 39.
Meyer, Emil, Paris, France, to Pinaud Incorporated, New York, N. Y., successor. Perfumery. 14,187; re-renewed Mar. 22, 1937.
Meyer, Emil, Paris, France, and New York, N. Y., to Pinaud Incorporated, New York, N. Y., successor. Perfumery in essences, extracts, etc., in soaps, oils, cosmetics, and toilet powders. 14,209; re-renewed Mar. 29, 1937.
Meyer, Emil, Paris, France, and New York, N. Y., to Pinaud Incorporated, New York, N. Y., successor. Liquid dressing for the hair. 14,210; re-renewed Mar. 29, 1937.
Meyer, Emil, Paris, France, and New York, N. Y., to Pinaud Incorporated, New York, N. Y., successor. Perfumery in essences, extracts, etc., in soaps, oils, cosmetics, and toilet powders. 14,211–13; re-renewed Mar. 29, 1937.
Meyers, Louis, & Son, Inc., New York, N. Y. Leather gloves. 344,931; Apr. 6. Class 39.
Midway Chemical Co., Chicago, Ill. Polishes for wood, furniture, and varnished and lacquered surfaces, scratch remover and polish, wax, etc. 344,759; Apr. 6; Serial No. 381,229; published Jan. 12, 1937. Class 16.
Midway Chemical Company, Chicago, Ill. Mops. 344,880; Apr. 6; Serial No. 386,062; published Jan. 26, 1937. Class 29.
Miller-Elmer Manufacturing Co., Ltd., assignor, by mesne assignments, to Sun-Maid Chocolate Covered Raisins, Inc., New Orleans, La. Candy. 115,368; renewed Feb. 6, 1937.
Miller, Ruth and Rose Cordes. (See Red Cap Fire Extinguisher Co., Inc., assignor.)
Millville Manufacturing Company, The, Philadelphia, Pa. Hemmed diapers. 116,671; renewed May 15, 1937.
Milton Undergarment Co., Inc., Brooklyn, N. Y. Chemises, negligees, slips, etc. 344,937; Apr. 6. Class 39.
Minute Man Products Co. (See Butz, Edward N.)
Mohican Company, The, New York, N. Y. Canned vegetables. 344,786; Apr. 6; Serial No. 384,547; published Jan. 19, 1937. Class 46.
Mulford Colloid Laboratories, Philadelphia, Pa. Solution of iodine. 344,767; Apr. 6; Serial No. 383,398; published Jan. 26, 1937. Class 6.
Nagele's, H., Market, Manhasset, Long Island, N. Y. Wines. 344,840; Apr. 6; Serial No. 385,488; published Jan. 26, 1937. Class 47.
Namm, A. I., & Son, doing business as The Namm Store, Brooklyn, N. Y. Shoes, slippers, and boots, etc. 344,924; Apr. 6. Class 39.
National Drug Company, The, Philadelphia, Pa. Vaginal douche powder. 344,869; Apr. 6; Serial No. 385,856; published Jan. 26, 1937. Class 6.
Neotex Manufacturing Co., Inc., New York, N. Y. Crib sheets. 344,792; Apr. 6; Serial No. 384,666; published Jan. 26, 1937. Class 42.

Nestle-Le Mur Company, The, New York, N. Y. Preparation for use in waving hair. 344,821; Apr. 6; Serial No. 385,195; published Jan. 26, 1937. Class 6.
New Art Studios, New York, N. Y. Packet containing materials and forms for the making of chenille ornaments; etc. 344,911; Apr. 6. Class 40.
Nixon, A. A., & Company, Omaha, Nebr. Feeds for live stock. 344,875; Apr. 6; Serial No. 385,988; published Jan. 26, 1937. Class 46.
Normandin Bros. Co., Los Angeles, Calif. Robes, slacks, playsuits, and shorts. 344,928; Apr. 6. Class 39.
North American Dye Corporation. (See Sunset Soap Dye Company, assignor.)
Norton Company, Worcester, Mass. Abrading and grinding machines. 344,804; Apr. 6; Serial No. 384,905; published Jan. 26, 1937. Class 23.
O'Connor, M., & Company, Indianapolis, Ind. Foods. 117,907; renewed Aug. 7, 1937.
Onondaga Silk Company, Inc., New York, N. Y. Silk piece goods. 344,915; Apr. 6. Class 42.
Orchard Paper Co., St. Louis, Mo. Wrapping paper. 344,856; Apr. 6; Serial No. 385,676; published Jan. 26, 1937. Class 37.
Oregon-Washington Pear Bureau, Seattle, Wash. Fresh pears. 344,773; Apr. 6; Serial No. 383,747; published Jan. 19, 1937. Class 46.
Otis Company, Three Rivers, Mass. Cotton piece goods. 344,901; Apr. 6; Serial No. 386,267; published Jan. 26, 1937. Class 42.
Pacific Can Co., Reno, Nev. Tin cans. 344,938; Apr. 6. Class 2.
Pacific Car and Foundry Company, Seattle and Renton, Wash. Bus bodies. 344,741; Apr. 6; Serial No. 378,901; published Jan. 26, 1937. Class 19.
Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 344,849; Apr. 6; Serial No. 385,602; published Jan. 26, 1937. Class 6.
Perfect Garment Company. (See Sobelman, Morris.)
Perfect Mnfg. Co., The, doing business as Tendra Kitchens, Cincinnati, Ohio. Vegetable extract to be used for tenderizing meats. 344,733; Apr. 6; Serial No. 376,065; published Jan. 19, 1937. Class 46.
Petersen, Johannes A., & Co., Hamburg, Germany, assignor to Gimbel Brothers, Inc., New York, N. Y. Wines. 344,714; Apr. 6; Serial No. 346,923; published Jan. 26, 1937. Class 47.
Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 344,913; Apr. 6. Class 39.
Pinaud Incorporated. (See Meyer, Emil.)
Pincus, Lester, Shoe Corporation, New York, N. Y. Shoes, slippers, and sandals. 344,769; Apr. 6; Serial No. 383,508; published Jan. 12, 1937. Class 39.
Plant, Thomas G., Company, assignor, by mesne assignments, to Thomas G. Plant Corporation, Boston, Mass. Boots and shoes. 115,658; renewed Feb. 27, 1937.
Poirette Corsets, Inc., New York, N. Y. Foundation garments, corsets, brassières, etc. 344,934–5; Apr. 6. Class 39.
Pontiac Company, Newark, N. J. Clocks, watches, and watch cases. 344,763; Apr. 6; Serial No. 382,545; published Nov. 24, 1936. Class 27.
Printz-Biederman Company, The, Cleveland, Ohio. Women's coats and suits. 344,865; Apr. 6; Serial No. 385,800; published Jan. 19, 1937. Class 39.
Quaker Oats Company, The, Chicago, Ill. Grits, white and yellow cornmeal, ready-mix buckwheat, etc. 344,873; Apr. 6; Serial No. 385,940; published Jan. 26, 1937. Class 46.
Radian Manufacturing Company, Detroit, Mich. Preparation for protecting painted surfaces of automobiles, etc. 344,736; Apr. 6; Serial No. 376,225; published July 14, 1936. Class 16.
Raulli, Ralph, doing business as Sunland Biscuit Co., Los Angeles, Calif. Crackers, biscuits, and wafers. 344,718; Apr. 6; Serial No. 369,168; published Oct. 29, 1935. Class 46.
Red Cap Fire Extinguisher Co., Inc., assignor to the firm of Ruth Miller and Rose Cordes, New York, N. Y. Portable hand fire extinguishers. 344,801; Apr. 6; Serial No. 384,816; published Jan. 12, 1937. Class 23.
Reid, Murdoch & Co., Chicago, Ill. Canned meat compound. 344,719; Apr. 6; Serial No. 370,361; published Jan. 5, 1937. Class 46.
Rice Sales Company. (See Hutchings, Norman W.)
Richardson & Boynton Company. (See Utica Heater Co., assignor.)
Richman, Robert, New York, N. Y. Hair and scalp preparation. 344,882; Apr. 6; Serial No. 386,084; published Jan. 26, 1937. Class 6.
Riverside Boiler Works, Inc., Cambridgeport, to Riverside Boiler Works, Inc., Cambridge, Mass. Tanks, and tanks for hot water. 115,539; renewed Feb. 20, 1937.
Robe, A. A., doing business as Tungsten Spark Plug Manufacturing Company, Chicago, Ill. Spark plugs. 344,939; Apr. 6. Class 21.
Rugges-Coles Engineering Co., New York, N. Y., Chicago, Ill., and York, Pa., assignor to Hardinge Company, Incorporated, York, Pa. Driers for driving off free moisture from various materials. 116,981; renewed June 5, 1937.
Russell-Miller Milling Co., assignor to Russell-Miller Milling Co., Minneapolis, Minn. Wheat feed. 116,363; renewed Apr. 24, 1937.
Russell-Miller Milling Co., assignor to Russell-Miller Milling Co., Minneapolis, Minn. Wheat-flour. 116,364–5; renewed Apr. 24, 1937.
Sakanovsky, H., & Sons, Inc., Chicago, Ill. Chamois skin. 344,768; Apr. 6; Serial No. 383,485; published Jan. 26, 1937. Class 1.
Salinas Packing Company. (See Ichikawa, T.)
Schenley Wine & Spirit Import Corporation, New York, N. Y., by change of name to Schenley Import Corporation. Sherry and port. 344,715; Apr. 6; Serial No. 350,910; published July 3, 1934. Class 47.
Schieren, Chas. A., Company, New York, N. Y. Rawhide and lace leather. 116,984; renewed June 5, 1937.
Schildge, George W., doing business as George W. Schildge Paper Co., Chicago, Ill. Toilet paper. 344,743; Apr. 6; Serial No. 379,534; published Jan. 26, 1937. Class 37.
Schindler & Company, New York, N. Y. Men's and boys' underwear. 344,866; Apr. 6; Serial No. 385,807; published Jan. 19, 1937. Class 39.
Schorsch & Co., Inc., New York, N. Y. Wrapping papers. 344,940; Apr. 6. Class 37.
Schorsch & Co., Inc., New York, N. Y. Paper bags and merchandise envelopes. 344,941; Apr. 6. Class 2.
Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Writing pens, and desk sets. 344,857; Apr. 6; Serial No. 385,702; published Jan. 26, 1937. Class 37.
Shepherd Knit-Wear Co. Inc., New York, N. Y. Sweaters, bathing suits, knitted skirts, etc. 344,770; Apr. 6; Serial No. 383,510; published Jan. 26, 1937. Class 39.
Siegman, Arthur, Inc., New York, N. Y. Neckties. 344,876; Apr. 6; Serial No. 385,994; published Jan. 26, 1937. Class 39.
Simplex Cabinet Corporation, Detroit, Mich. Cabinets. 344,827; Apr. 6; Serial No. 385,309; published Jan. 26, 1937. Class 32.
Sleeper, Inc., Chicago, Ill. Twin studio couches. 344,757–8; Apr. 6; Serial Nos. 381,226–7; published Jan. 26, 1937. Class 32.
Slick-Shine Co. Inc., The, Newark, N. J. Metal polish, silver polish, and glass cleaner and polish. 344,762; Apr. 6; Serial No. 382,397; published Jan. 26, 1937. Class 4.
Smoot Engineering Corporation, Chicago, Ill. Automatic gas mixer controls, automatic electrical frequency controls, etc. 344,723; Apr. 6; Serial No. 371,321; published Jan. 26, 1937. Class 26.
Sobelman, Morris, doing business as Perfect Garment Company, Baltimore, Md. Dresses, coats, and suits. 344,885; Apr. 6; Serial No. 386,177; published Jan. 26, 1937. Class 39.
Societe Hellenque de Vins et Spirituoux, S. A. (See Celliers de la Communaute Marcopoulou, assignor.)
South Bend Bait Company, South Bend, Ind. Fishing reels. 344,922; Apr. 6. Class 22.
Southern Bedding Manufacturing Co., to James E. Griffith, doing business as Southern Bedding Mfg. Co., successor, Austin, Tex. Mattresses. 113,920; renewed Nov. 7, 1936.
Southern Biscuit Company, Incorporated, Richmond, Va. Biscuits. 344,886; Apr. 6; Serial No. 386,178; published Jan. 26, 1937. Class 46.
South Texas Grain Company, assignor to South Texas Feed Company, Houston, Tex. Cornmeal, cream-meal, and grits. 115,816; renewed Mar. 6, 1937.
Sports Guild Inc., New York, N. Y. Dresses, skirts, blouses, etc. 344,841; Apr. 6; Serial No. 385,497; published Jan. 26, 1937. Class 39.
Standard Dairies, Inc., Philadelphia, Pa. Milk. 344,822; Apr. 6; Serial No. 385,202; published Jan. 26, 1937. Class 46.
Standard Brands Incorporated, New York, N. Y. Yeast. 344,836; Apr. 6; Serial No. 385,454; published Jan. 26, 1937. Class 46.
Standard Brands Incorporated, New York, N. Y. Yeast. 344,858; Apr. 6; Serial No. 385,706; published Jan. 26, 1937. Class 46.
Star Dry Goods Co., Inc., Worcester, Mass. Sweaters, gloves, mittens, etc. 344,908; Apr. 6. Class 39.
Star Liquor Co. (See Wallack, Nathan N.)
Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 344,918; Apr. 6. Class 39.
Stewart-Warner Corporation, Chicago, Ill. Automobile heaters. 344,788; Apr. 6; Serial No. 384,632; published Jan. 26, 1937. Class 34.
Stolzenbach, Howard, Baltimore, Md. Cheese. 344,930; Apr. 6. Class 46.
Straus, Royer & Srass, Inc., Baltimore, Md. Dresses, shirts, shorts, etc. 344,909; Apr. 6. Class 39.
Strauss, B., M. & J., Ltd., London, England. Gin and rum. 344,713; Apr. 6; Serial No. 341,904; published Jan. 26, 1937. Class 49.
Strohmeyer & Arpe Company, New York, N. Y. Canned fish, vegetables and fruits, and preserved fruits. 115,686; renewed Feb. 27, 1937.
Sunland Biscuit Co. (See Raulli, Ralph.)
Sun-Maid Chocolate Covered Raisins, Inc. (See Miller-Elmer Manufacturing Co., Ltd., assignor.)
Sunset Soap Dye Company, New Rochelle, assignor to North American Dye Corporation, Mount Vernon, N. Y. Dyes. 116,009; renewed Mar. 27, 1937.
Sunset Soap Dye Company, New Rochelle, assignor to North American Dye Corporation, Mount Vernon, N. Y. Dyes. 116,250; renewed Apr. 17, 1937.

Taj Perfume Co. (See Akhtar, Jamil.)
Tausick Corporation, New York, N. Y. Ladies' collars, collar sets and scarfs. 344,870; Apr. 6; Serial No. 385,913; published Jan. 12, 1937. Class 39.
Tendra Kitchens. (See Perfect Mnfg. Co., The.)
Thomas, C., Stores Sales System, Inc., Minneapolis, Minn. Sandwich relish, mayonnaise, salad dressing, etc. 344,745; Apr. 6; Serial No. 379,910; published Jan. 19, 1937. Class 46.
Thomson Machine Company, Belleville, N. J. Cutlery, machinery, and tools and parts thereof. 118,107; renewed Aug. 14, 1937.
Tien Chu Ve-Tsin Manufacturing Co., Shanghai, China. Food flavoring compound. 344,726; Apr. 6; Serial No. 372,533; published Jan. 19, 1937. Class 46.
Tipperary Glove Factory Limited, Tipperary, Irish Free State. Gloves. 344,802; Apr. 6; Serial No. 384,872; published Jan. 26, 1937. Class 39.
Triangle Electric Co., Chicago, Ill. Electrical appliances. 344,754; Apr. 6; Serial No. 380,805; published Jan. 26, 1937. Class 21.
Tri-L Underwear Corporation, New York, N. Y. Slips, chemises, panties, etc. 344,910; Apr. 6. Class 39.
Tritsch, C. M., Hagerstown, Md. Pure rye whiskey. 344,838; Apr. 6; Serial No. 385,466; published Jan. 26, 1937. Class 49.
Trohn's Supplies, Inc., Mamaroneck, N. Y. Gasket material, more particularly manhole cushions. 344,813; Apr. 6; Serial No. 385,076; published Jan. 26, 1937. Class 35.
Tungsten Spark Plug Manufacturing Company. (See Robe, A. A.)
Union Fish Company, San Francisco, Calif. Dried fish and particularly codfish. 117,227; renewed June 19, 1937.
United Buyers Corporation, Chicago, Ill. Wheat flour. 344,861; Apr. 6; Serial No. 385,759; published Jan. 19, 1937. Class 46.
United Mink Producers' Association, Fort Atkinson, Wis. Cured mink pelts. 344,828; Apr. 6; Serial No. 385,316; published Jan. 26, 1937. Class 1.
Universal Brassiere & Justrite Corset Co. Inc., New York, N. Y. Corsets, corselets, girdles, etc. 344,859; Apr. 6; Serial No. 385,709; published Jan. 12, 1937. Class 39.
Utica Heater Co., Utica, N. Y., assignor to Richardson & Boynton Company, New York, N. Y. Furnaces for heating buildings. 113,837; renewed Oct. 31, 1936.
Utica and Mohawk Cotton Mills, Inc., Utica, N. Y. Cotton sheets, sheetings, pillow cases and cotton piece goods. 344,728; Apr. 6; Serial No. 344,728; published Mar. 24, 1936. Class 42.
Valentine & Company, New York, N. Y. Paints. 344,842; Apr. 6; Serial No. 385,499; published Jan. 26, 1937. Class 16.
Victorius, A. V., & Co., to M. L. Victorius & Co. Inc., New York, N. Y. Hosiery. 115,703; renewed Feb. 27, 1937.
Wailes Dove-Hermiston Corporation. (See Hermiston, James, Manufacturing Company, assignor.)
Wallack, Nathan N., doing business as Star Liquor Co., Washington, D. C. Whiskey, gin, and rum. 344,725; Apr. 6; Serial No. 372,383; published Jan. 26, 1937. Class 49.
Walpamur Company, Limited, The, London, England. Paints, anti-fouling compositions and anti-corrosives. 344,752; Apr. 6; Serial No. 380,371; published Oct. 27, 1936. Class 16.
Walther, John L., New York, N. Y. Woolen, Worsted, etc., piece goods. 344,905; Apr. 6; Serial No. 386,386; published Jan. 26, 1937. Class 42.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods, pillow cases, and sheets. 344,906; Apr. 6; Serial No. 386,464; published Jan. 26, 1937. Class 42.
Warner Brothers Company, The, Bridgeport, Conn. Corsets, brassières, girdles, etc. 344,843; Apr. 6; Serial No. 385,500; published Jan. 12, 1937. Class 39.
Washburn Crosby Company, assignor to General Mills, Inc., Minneapolis, Minn. Blended wheat and rye flour. 117,957; renewed Aug. 7, 1937.
Well, H., & Bros., doing business as Well's Fertilizer Works, Goldsboro, N. C. Fertilizer. 344,926; Apr. 6. Class 10.
Wellington Sears Company, Boston, Mass. Cotton piece goods. 344,807; Apr. 6; Serial No. 384,987; published Jan. 26, 1937. Class 42.
Wesco Foods Company, Cincinnati, Ohio. Cakes. 344,789; Apr. 6; Serial No. 384,637; published Jan. 26, 1937. Class 46.
Western Containers, Inc., Seattle, Wash. Containers for baby chicks. 344,871; Apr. 6; Serial No. 385,918; published Jan. 26, 1937. Class 2.
Wheeler, Ruth S., doing business as The Children's House, Boston, Mass. Outer waists, pants, nightgowns, etc. 344,798; Apr. 6; Serial No. 384,771; published Jan. 19, 1937. Class 39.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Gold alloy for wrought gold dental articles. 344,846; Apr. 6; Serial No. 385,546; published Jan. 26, 1937. Class 44.
Wickwire Spencer Steel Company. (See Wright Wire Company.)
Williams, Arthur F., St. Paul, Minn. Eyeglass mountings and spectacle frames. 344,823; Apr. 6; Serial No. 385,272; published Jan. 26, 1937. Class 26.
Williams, J. H., & Co., Buffalo, N. Y. Jaws for tongs and pipe vises. 344,774; Apr. 6; Serial No. 383,794; published Jan. 26, 1937. Class 23.
Williams, J. H., & Co., Buffalo, N. Y. Tongs and pipe vises. 344,775; Apr. 6; Serial No. 383,795; published Jan. 26, 1937. Class 23.
Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Refrigeration machines and parts thereof. 344,850; Apr. 6; Serial No. 385,616; published Jan. 12, 1937. Class 31.
Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Laundry appliances. 344,851; Apr. 6; Serial No. 385,618; published Jan. 12, 1937. Class 24.
Woodward & Lothrop, Washington, D. C. Dresses, tailored suits, riding suits, etc. 344,724; Apr. 6; Serial No. 371,377; published Jan. 19, 1937. Class 39.
Wright Wire Company, Worcester, Mass., to Edward C. Bowers and Charles L. Feldman, Trustees of Wickwire Spencer Steel Company, New York, N. Y., successor. Picture-cord, wire ropes and cables. 115,909; renewed Mar. 20, 1937.
Wuichet Products, Inc., Dayton, Ohio. Fertilizers. 344,806; Apr. 6; Serial No. 384,942; published Jan. 26, 1937. Class 10.

LIST OF REGISTRANTS OF LABELS

American Record Corporation, New York, N. Y. Perfect. For Full Range Recordings. 49,148; Apr. 6.
Beaucraft Corporation, Garfield, N. J. Bonded & Insured Safety Treads. For Safety Treads for Stairs and the Like. 49,149; Apr. 6.
Ben-Burk, Inc., Boston, Mass. Old Mr. Boston. For Grapefruit Flavored Gin. 49,150; Apr. 6.
Ben-Burk, Inc., Boston, Mass. Old Mr. Boston. For Lime Flavored Gin. 49,151; Apr. 6.
Ben-Burk, Inc., Boston, Mass. Old Mr. Boston. For Loganberry Flavored Gin. 49,152; Apr. 6.
Ben-Burk, Inc., Boston, Mass. Old Mr. Boston. For Mint Flavored Gin. 49,153; Apr. 6.
Ben-Burk, Inc., Boston, Mass. Old Mr. Boston. For Pineapple Flavored Gin. 49,154; Apr. 6.
Ben-Burk, Inc., Boston, Mass. Old Mr. Boston. For Raspberry Flavored Gin. 49,155; Apr. 6.
Ben-Burk, Inc., Boston, Mass. Old Mr. Boston. For Strawberry Flavored Gin. 49,156; Apr. 6.
Ben-Burk, Inc., Boston, Mass. Old Mr. Boston. For Wild Cherry Flavored Gin. 49,157; Apr. 6.
Brown & Williamson Tobacco Corporation, Louisville, Ky. Pinto. For Smoking Tobacco. 49,158; Apr. 6.
Casco Products Corporation, Bridgeport, Conn. Automatic Cigar Lighter. For Electric Cigar Lighters. 49,159–60; Apr. 6.
Class & Nachod Brewing Co., The, Philadelphia, Pa. Old German. For Beer. 49,161; Apr. 6.
Davison Chemical Corporation, The, Baltimore, Md. Berkshire. For Fertilizer. 49,162; Apr. 6.
Esslinger's Inc., Philadelphia, Pa. Esslinger's. For Brown Stout. 49,163; Apr. 6.
Esslinger's Inc., Philadelphia, Pa. Esslinger's. For Porter. 49,164; Apr. 6.
General By-Products Co., doing business as Glacier Bay Oyster Co., South Bend and Seattle, Wash. The Oyster With That Healthy Wholesome Fringe. For Fresh Oysters. 49,165; Apr. 6.
Glacier Bay Oyster Co. (See General By-Products Co.)
Hoague-Sprague Corporation, Lynn, Mass. Sky Pilot Shoes. For Boxes. 49,166; Apr. 6.
Hoague-Sprague Corporation, Lynn, Mass. Vi-tal-iks. For Boxes. 49,167; Apr. 6.
Hoague-Sprague Corporation, Lynn, Mass. Ritzy Girl. For Boxes. 49,168; Apr. 6.
Hoague-Sprague Corporation, Lynn, Mass. Poise Modelle. For Boxes. 49,169; Apr. 6.
Hoague-Sprague Corporation, Lynn, Mass. Hub-Ettes Smart Shoes. For Boxes. 49,170; Apr. 6.
Hoague-Sprague Corporation, Lynn, Mass. Webb's Scientific Tred. For Boxes. 49,171; Apr. 6.
Hoague-Sprague Corporation, Lynn, Mass. Blue Bear. For Boxes. 49,172; Apr. 6.
Matthews Drug Co. Inc., Albany, N. Y. Cyno-Tabs. For Medicinal Tablets. 49,173; Apr. 6.
National Biscuit Company, New York, N. Y. Shredded Wheat. For Whole Wheat Biscuits. 49,174; Apr. 6.
Nunut Foods, Inc., Plainwell, Mich. Cream of Nuts. For Homogenized Nut Food Products. 49,175; Apr. 6.
Packard-Bamberger & Co., Inc., Hackensack, N. J. White Label. For California Tokay Wine. 49,176; Apr. 6.
Reliable Laboratories, Inc., Albuquerque, N. Mex. Burneze Eases Burns. For Specific for Burns. 49,177; Apr. 6.

Ronna May Company, South Boston, Mass. Barclay Brand, Old Country Style. For Fruit Preserves. 49,178; Apr. 6.
Santa Clara Packing Company, San Jose, Calif. Glorietta. For Canned Tomato Juice. 49,179; Apr. 6.
Schutter Candy Company, Chicago, Ill. Old Nick. For Candy Bars. 49,180; Apr. 6.
Shattuck, Frank G., Company, New York, N. Y. Schrafft's Gold Chest. For Chocolates. 49,181; Apr. 6.
Simons, Albert M., Hartford, Conn. A. E. F. For a Blended Whiskey. 49,182; Apr. 6.
Simons, Albert M., Hartford, Conn. Buddy. For a Blended Whiskey. 49,183; Apr. 6.
Sleepy Hollow Shops, Springbrook, N. Y. Paquet. For Personal Stationery Kits. 49,184; Apr. 6.
Sperry Candy Co., Milwaukee, Wis. Big Joe. For Candy Bars. 49,185; Apr. 6.
Weco Products Company, Chicago, Ill. Economy—a New Dr. West's Product. For Tooth Brushes. 49,186; Apr. 6.

LIST OF REGISTRANTS OF PRINTS

Bigelow-Sanford Carpet Co. Inc., New York, N. Y. Simplicity and Color. For Carpets and Rugs. 16,143; Apr. 6.
Eppens, Smith Company, Inc., New York, N. Y. Worth Crowing About. For Tea. 16,144; Apr. 6.
Fitzpatrick Brothers, Chicago, Ill. Meet the Missus. For Soap Flakes. 16,145; Apr. 6.
General Mills, Inc., Minneapolis, Minn. When Children Declare a "Cereal Strike" End it with a "Breakfast of Champions". For Cereal Food. 16,146; Apr. 6.
Maxwell Brothers, Inc., Lynchburg, Va. Maxwell Brothers Wilde Honee' Food Products. For Honey Food Products. 16,147; Apr. 6.
Premier-Pabst Corporation, Peoria Heights, Ill. So Much More Flavor When You Say—Pabst Ad. No. 736. For Beer. 16,148; Apr. 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Gum thus, rosin, and limed rosin, Purified. Glidden Company. 344,820; Apr. 6; Serial No. 385,184; published Jan. 26, 1937.
Leather, Rawhide and lace. Chas. A. Schieren Company. 116,984; renewed June 5, 1937.
Pelts, Cured mink. United Mink Producers Association. 344,828; Apr. 6; Serial No. 385,316; published Jan. 26, 1937.
Skin, Chamois. H. Sakanovsky & Sons, Inc. 344,768; Apr. 6; Serial No. 383,485; published Jan. 26, 1937.

CLASS 2

Bags and merchandise envelopes, Paper. Schorsch & Co. 344,941; Apr. 6.
Cans, Tin. Pacific Can Co. 344,938; Apr. 6.
Containers for baby chicks. Western Containers, Inc. 344,871; Apr. 6; Serial No. 385,918; published Jan. 26, 1937.
Packing devices, Molded pulp. Keyes Fibre Company. 344,854–5; Apr. 6; Serial Nos. 385,633–4; published Jan. 26, 1937.
Pails, garbage-cans, and cans used in making artificial ice, Garbage. Cincinnati Galvanizing Company. 116,596; renewed May 15, 1937.

CLASS 3

Hand bags and pouches. Columbia Plush & Puff Co. 344,899; Apr. 6; Serial No. 386,245; published Jan. 26, 1937.

CLASS 4

Cleaner, Household. L. Howard. 344,834; Apr. 6; Serial No. 385,440; published Jan. 26, 1937.
Cleaning compound. J. B. Ford Company. 344,805; Apr. 6; Serial No. 384,925; published Jan. 26, 1937.
Polish, silver polish, and glass cleaner and polish, Metal. Slick-Shine Co. Inc. 344,762; Apr. 6; Serial No. 382,397; published Jan. 26, 1937.
Shaving cream and brushless shaving cream. Bourjois, Inc. 344,919; Apr. 6.
Saponaceous compounds. M. D. Horowitz. 344,816; Apr. 6; Serial No. 385,097; published Jan. 26, 1937.
Soap, Dry cleaning. D. B. Lesser. 344,783; Apr. 6; Serial No. 384,539; published Jan. 26, 1937.

CLASS 5

Mucilage and library paste. Ault & Wiborg Company. 344,711; Apr. 6; Serial No. 336,106; published Jan. 26, 1937.
Starches used as an adhesive in paste form, Combination of dry. Corn Products Refining Company. 344,824; Apr. 6; Serial No. 385,280; published Jan. 26, 1937.

CLASS 6

Aspirin, cold and milk of magnesium tablets. Magic-Lax Corp. 344,835; Apr. 6; Serial No. 385,444; published Jan. 26, 1937.
Astringents, astringent cerates, bleach creams, etc. Parfumerie St. Denis. 344,849; Apr. 6; Serial No. 385,602; published Jan. 26, 1937.
Cream, Depilatory. J. B. Bender. 344,747; Apr. 6; Serial No. 379,923; published Jan. 26, 1937.
Cream, Skin. Hirestra Laboratories, Inc. 344,878; Apr. 6; Serial No. 386,029; published Jan. 26, 1937.
Cream, Styptic. General Cosmetics Corporation. 344,881; Apr. 6; Serial No. 386,076; published Jan. 26, 1937.
Dressing for the hair, Liquid. E. Meyer. 14,210; renewed Mar. 29, 1937.
Dyes. Sunset Soap Dye Company. 116,009; renewed Mar. 27, 1937.
Dyes. Sunset Soap Dye Company. 116,250; renewed Apr. 17, 1937.
Hair and scalp preparation. R. Richman. 344,882; Apr. 6; Serial No. 386,084; published Jan. 26, 1937.
Hair tonic. E. G. Bush. 344,781; Apr. 6; Serial No. 384,405; published Jan. 26, 1937.
Horticultural sprays and chemicals therefor destructive of plant parasites. Latimer-Goodwin Chemical Company. 344,796; Apr. 6; Serial No. 384,752; published Jan. 26, 1937.
Insecticide. M. Kawahara. 344,742; Apr. 6; Serial No. 379,524; published Jan. 26 1937.
Lotion, Eye. Lucidin Company. 344,897; Apr. 6; Serial No. 386,215; published Jan. 26, 1937.
Medicinal preparation. J. Akhtar. 344,810; Apr. 6; Serial No. 385,023; published Jan. 26, 1937.
Perfumery. E. Meyer. 14,187; re-renewed Mar. 22, 1937.
Perfumery in essences, extracts, etc., in soaps, oils, cosmetics, and toilet powders. E. Meyer. 14,209; renewed Mar. 29, 1937.
Perfumery in essences, extracts, etc. in soaps, oils, cosmetics, and toilet powders. E. Meyer. 14,211–13; renewed Mar. 29, 1937.
Perfumes, toilet waters, rouge, etc. Maricatte et Cie. 116,912; renewed June 5, 1937.
Powder, Vaginal douche. National Drug Company. 344,869; Apr. 6; Serial No. 385,856; published Jan. 26, 1937.
Preparation for removing oxide and rust. Henex, S. A. 344,722; Apr. 6; Serial No. 371,031; published Jan. 26, 1937.
Preparation for use in waving hair. Nestle-Le Mur Company. 344,821; Apr. 6; Serial No. 385,195; published Jan. 26 1937.
Shampoo, Cream. J. B. Bender. 344,746; Apr. 6; Serial No. 379,921; published Jan. 26, 1937.
Solution for removing rust and scale. Adhesives, Inc. 344,831; Apr. 6; Serial No. 385,382; published Jan. 26, 1937.
Solution of iodine. Mulford Colloid Laboratories. 344,767; Apr. 6; Serial No. 383,398; published Jan. 26, 1937.

CLASS 7

Cord, wire ropes and cables, Picture. Wright Wire Company. 115,909; renewed Mar. 20, 1937.

CLASS 9

Fuse, Safety. Coast Manufacturing & Supply Co. 118,159; renewed Aug. 21, 1937.

CLASS 10

Fertilizer. H. Well & Bros. 344,926; Apr. 6.
Fertilizers. Ben Fern Sons. 344,787; Apr. 6; Serial No. 384,584; published Jan. 26, 1937.
Fertilizers. Wuichet Products, Inc. 344,806; Apr. 6; Serial No. 384,942; published Jan. 26, 1937.

CLASS 11

Typewriter and other inked ribbons. H. S. Blumenthal. 344,898; Apr. 6; Serial No. 386,242; published Jan. 26, 1937.

CLASS 13

Holders, Door. W. J. Butts. 344,874; Apr. 6; Serial No. 385,968; published Jan. 26, 1937.

CLASS 16

Paint. Duquesne Paint Company. 118,009; renewed Aug. 14, 1937.

Paint enamels, varnishes and varnish stains. Con-Ferro Paint & Varnish Company. 344,751; Apr. 6; Serial No. 380,345; published Jan. 26, 1937.
Paint, varnish, paint enamel, etc. Mahoning Paint & Oil Company. 344,830; Apr. 6; Serial No. 385,360; published Jan. 26, 1937.
Paints. James Hermiston Manufacturing Company. 118,037; renewed Aug. 14, 1937.
Paints. Valentine & Company. 344,842; Apr. 6; Serial No. 385,499; published Jan. 26, 1937.
Paints, anti-fouling compositions, and anti-corrosives. Walpamur Company. 344,752; Apr. 6; Serial No. 380,371; published Oct. 27, 1936.
Paints, varnishes, and paint-enamels. Ironhard Paint & Color Works, Ltd. 344,814; Apr. 6; Serial No. 385,081; published Jan. 26, 1937.
Paints, varnishes, paint enamels, etc. Alabastine Company. 344,766; Apr. 6; Serial No. 383,192; published Jan. 26, 1937.
Polish, Automobile. E. N. Butz. 344,925; Apr. 6.
Polishes, scratch remover and polish, wax, etc. Midway Chemical Co. 344,759; Apr. 6; Serial No. 381,229; published Jan. 12, 1937.
Preparation for protecting painted surfaces of automobiles, etc. Radian Manufacturing Company. 344,736; Apr. 6; Serial No. 376,225; published July 14, 1936.
Zinc oxide for use as paint pigment. American Zinc Sales Company. 344,730; Apr. 6; Serial No. 374,548; published Jan. 26, 1937.

CLASS 17

Cigars. Fernandez, Palicio y Compania, S. en C. 344,776; Apr. 6; Serial No. 383,922; published Jan. 26 1937.
Cigars. Mazer-Cressman Cigar Co. 344,784–5; Apr. 6; Serial Nos. 384,544–5; published Jan. 26, 1937.

CLASS 19

Brake lever extensions, steering wheel knobs, and gear shift balls. Casco Products Corporation. 344,808; Apr. 6; Serial No. 384,992; published Jan. 26, 1937.
Bus bodies. Pacific Car and Foundry Company. 344,741; Apr. 6; Serial No. 378,901; published Jan. 26, 1937.
Trailers. C. M. Lutes. 344,879; Apr. 6; Serial No. 386,039; published Jan. 26, 1937.

CLASS 21

Electrical appliances. Triangle Electric Co. 344,754; Apr. 6; Serial No. 380,805; published Jan. 26, 1937.
Spark plugs. A. A. Robe. 344,939; Apr. 6.
Thermionic tubes and electron discharge devices. Farnsworth Television Incorporated. 344,793–5; Apr. 6; Serial Nos. 384,738–40; published Jan. 26, 1937.

CLASS 22

Billiard cues. Brunswick-Balke-Collender Company. 344,902; Apr. 6; Serial No. 386,343; published Jan. 26. 1937.
Fishing reels. South Bend Bait Company. 344,922; Apr. 6.
Game. H. J. McAllister. 344,900; Apr. 6; Serial No. 386,264; published Jan. 26, 1937.
Golf clubs. Allied Golf Corporation. 344,755; Apr. 6; Serial No. 380,856; published Jan. 26, 1937.
Skates, Roller. H. N. Drucker. 344,907; Apr. 6; Serial No. 386,678; published Jan. 26, 1937.

CLASS 23

Abrading and grinding machines. Norton Company. 344,804; Apr. 6; Serial No. 384,905; published Jan. 26, 1937.
Cutlery, machinery and tools. Armstrong Bros. Tool Co. 115,574; renewed Feb. 27, 1937.
Cutlery, machinery, and tools and parts thereof. Thomson Machine Company. 118,107; renewed Aug. 14, 1937.
Fire extinguishers, Portable hand. Red Cap Fire Extinguisher Co. 344,801; Apr. 6; Serial No. 384,816; published Jan. 12, 1937.
Jaws for tongs and pipe vises. J. H. Williams & Co. 344,774; Apr. 6; Serial No. 383,794; published Jan. 26, 1937.
Razor blades. J. Less. 344,826; Apr. 6; Serial No. 385,296; published Jan. 26, 1937.
Stencil-cutting machines. Ideal Stencil Machine Company. 117,327; renewed July 3, 1937.
Tongs and pipe vises. J. H. Williams & Co. 344,775; Apr. 6; Serial No. 383,795; published Jan. 26, 1937.

CLASS 24

Laundry appliances. Williams Oil-O-Matic Heating Corporation. 344,851; Apr. 6; Serial No. 385,618; published Jan. 12, 1937.

CLASS 26

Apparatus for measuring and recording the calorific value of gases. Cutler-Hammer, Inc. 344,863; Apr. 6; Serial No. 385,780; published Jan. 26, 1937.
Gas mixer controls, automatic electrical frequency controls, etc., Automatic. Smoot Engineering Corporation. 344,723; Apr. 6; Serial No. 371,321; published Jan. 26, 1937.
Measuring and scientific appliances. Bausch & Lomb Optical Company. 117,976; renewed Aug. 14, 1937.
Mountings and spectacle frames, Eyeglass. A. F. Williams. 344,823; Apr. 6; Serial No. 385,272; published Jan. 26, 1937.
Patterns for garments. R. E. Berman. 344,756; Apr. 6; Serial No. 381,062; published Jan. 26, 1937.
Pictures, Motion. Columbia Pictures Corporation. 344,799; Apr. 6; Serial No. 384,786; published Jan. 26, 1937.
Scales, Weighing. John Chatillon & Sons. 116,117; renewed Apr. 10, 1937.
Scales, Weighing. John Chatillon & Sons. 116,401; renewed May 1, 1937.
Scales, Weighing. John Chatillon & Sons. 116,592–3; renewed May 15, 1937.
Scales, Weighing. John Chatillon & Sons. 116,883; renewed June 5, 1937.

CLASS 27

Clocks, watches, and watch cases. Pontiac Company. 344,763; Apr. 6; Serial No. 382,545; published Nov. 24, 1936.
Watches and attached bracelets. Benrus Watch Company. 344,887–91; Apr. 6; Serial No. 386,187–91; published Jan. 26, 1937.
Watches and attached bracelets. Benrus Watch Company. 344,892–3; Apr. 6; Serial No. 386,193–4; published Jan. 26, 1937.
Watches and attached bracelets. Benrus Watch Company. 344,894; Apr. 6; Serial No. 386,196; published Jan. 26, 1937.

CLASS 28

Articles made of precious materials. Elgin American Manufacturing Co. 116,616; renewed May 15, 1937.

CLASS 29

Mops. Midway Chemical Company. 344,880; Apr. 6; Serial No. 386,062; published Jan. 26, 1937.

CLASS 31

Refrigeration machines and parts thereof. Williams Oil-O-Matic Heating Corporation. 344,850; Apr. 6; Serial No. 385,616; published Jan. 12, 1937.

CLASS 32

Cabinets. Simplex Cabinet Corporation Corporation. 344,827; Apr. 6; Serial No. 385,309; published Jan. 26, 1937.
Couches, Twin studio. Sleeper, Inc. 344,757–8; Apr. 6; Serial No. 381,226–7; published Jan. 26, 1937.
Mattresses. Southern Bedding Manufacturing Co. 113,920; renewed Nov. 7, 1936.
Spring assembly for upholstery purposes. Aulsbrook Company. 344,749; Apr. 6; Serial No. 380,030; published Jan. 26, 1937.

CLASS 33

Glass tableware, condiment jars, coffee jars, etc. Hocking Glass Company. 344,737; Apr. 6; Serial No. 376,278; published Jan. 26, 1937.

CLASS 34

Air conditioning units and parts thereof. May Oil Burner Corporation. 344,917; Apr. 6, 1937.
Driers for driving off free moisture from various materials. Ruggles-Coles Engineering Co. 116,981; renewed June 5, 1937.
Furnace for heating buildings. Utica Heater Co. 113,837; renewed Oct. 31, 1936.
Heaters, Automobile. Stewart-Warner Corporation. 244,788; Apr. 6; Serial No. 384,632; published Jan. 26, 1937.
Tanks, and tanks for hot water. Riverside Boiler Works, Inc. 113,539; renewed Feb. 20, 1937.

CLASS 35

Gasket material, more particularly manhole cushions. Trohn's Supplies, Inc. 344,813; Apr. 6; Serial No. 385,076; published Jan. 26, 1937.

CLASS 37

Books, pass books, check books, etc., Bank. Milton C. Johnson Company. 344,764; Apr. 6; Serial No. 382,630; published Jan. 26, 1937.
Paper, Toilet. G. W. Schildge. 344,743; Apr. 6; Serial No. 379,534; published Jan. 26, 1937.
Paper, Wrapping. Orchard Paper Co. 344,856; Apr. 6; Serial No. 385,676; published Jan. 26, 1937.
Papers, Wrapping. Schorsch & Co. 344,940; Apr. 6, 1937.
Pens, and desk sets, Writing. Sengbusch Self-Closing Inkstand Company. 344,857; Apr. 6; Serial No. 385,702; published Jan. 26, 1937.

CLASS 39

Apparel, Women's outer. D. H. Cavanaugh. 344,817; Apr. 6; Serial No. 385,174; published Jan. 26, 1937.
Belts and suspenders, Men's. Brown & Lester, Inc. 344,815; Apr. 6; Serial No. 385,086; published Jan. 5, 1937.

Boots and shoes. Thomas G. Plant Company. 115,658; renewed Feb. 27, 1937.
Boots, shoes, and slippers. Clark Shoe Company. 344,761; Apr. 6; Serial No. 382,262; published Jan. 12, 1937.
Brassières, bandeaux, corsets, etc. Maiden Form Brassiere Company. 344,845; Apr. 6; Serial No. 385,524; published Jan. 12, 1937.
Chemises, negligees, slips, etc. Milton Undergarment Co. 344,937; Apr. 6, 1937.
Cloaks and suits. Lobree & Lenney, Inc. 344,750; Apr. 6; Serial No. 380,288; published Sept. 1, 1936.
Coats and suits, Women's. Printz-Biederman Company. 344,865; Apr. 6; Serial No. 385,800; published Jan. 19, 1937.
Coats, vests, pants, and trousers. Cohen, Goldman & Co. Inc. 344,778; Apr. 6; Serial No. 384,194; published Jan. 26, 1937.
Collars. Brooks Brothers. 344,936; Apr. 6, 1937.
Collars, collar sets, and scarfs, Ladies'. Tausick Corporation. 344,870; Apr. 6; Serial No. 385,913; published Jan. 12, 1937.
Corsets, brassières, girdles, etc. Warner Brothers Company. 344,843; Apr. 6; Serial No. 385,500; published Jan. 12, 1937.
Corsets, corselets, girdles, etc. Universal Brassiere & Just-rite Corset Co. Inc. 344,859; Apr. 6; Serial No. 385,709; published Jan. 12, 1937.
Dresses, coats, and suits. M. Sobelman. 344,885; Apr. 6; Serial No. 386,177; published Jan. 26, 1937.
Dresses, coats, suits, Women's. Goldring Merchandising Corporation. 344,740; Apr. 6; Serial No. 378,748; published Jan. 19, 1937.
Dresses, outer skirts, blouses, etc. Bonwit Teller, Inc. 344,832; Apr. 6; Serial No. 385,390; published Jan. 26, 1937.
Dresses, shirts, shorts, etc. Straus, Royer & Strass, Inc. 344,909; Apr. 6, 1937.
Dresses, skirts, blouses, etc. Sports Guild Inc. 344,841; Apr. 6; Serial No. 385,497; published Jan. 26, 1937.
Dresses, tailored suits, riding suits, etc. Woodward & Lothrop. 344,724; Apr. 6; Serial No. 371,377; published Jan. 19, 1937.
Garments, corsets, foundation brassières, etc. Poirette Corsets, Inc. 344,934–5; Apr. 6, 1937.
Garments, Outer. L. Bachmann & Co. Inc. 344,721; Apr. 6; Serial No. 370,857; published Dec. 31, 1935.
Gloves. Tipperary Glove Factory Limited. 344,802; Apr. 6; Serial No. 384,872; published Jan. 26, 1937.
Gloves and work mittens, Work. Indianapolis Glove Company. 344,916; Apr. 6, 1937.
Gloves, Fabric. Julius Kayser & Co. 344,825; Apr. 6; Serial No. 385,293; published Jan. 26, 1937.
Gloves, Leather. Louis Meyers & Son, Inc. 344,931; Apr. 6, 1937.
Gloves, Leather and fabric. M. Merlier, Inc. 344,779; Apr. 6; Serial No. 384,216; published Jan. 19, 1937.
Hats. Eton Corporation. 344,760; Apr. 6; Serial No. 382,208; published Jan. 12, 1937.
Hats. Marshall Steel Company. 344,753; Apr. 6; Serial No. 380,712; published Jan. 19, 1937.
Hats and caps. John B. Stetson Company. 344,918; Apr. 6, 1937.
Hats, Men's. Dalton Hat Company. 344,860; Apr. 6; Serial No. 385,726; published Jan. 12, 1937.
Hosiery. Kelly & Doherty. 344,744; Apr. 6; Serial No. 379,801; published Aug. 4, 1936.
Hosiery. Le Roi Hosiery Co. Inc. 344,771; Apr. 6; Serial No. 383,535; published Jan. 19, 1937.
Hosiery. Phoenix Hosiery Company. 344,913; Apr. 6, 1937.
Hosiery. A. V. Victorius & Co. 115,703; renewed Feb. 27, 1937.
Neckties. Arthur Siegman, Inc. 344,876; Apr. 6; Serial No. 385,994; published Jan. 26, 1937.
Pajamas. Lubin-Weeker Co. 344,731; Apr. 6; Serial No. 374,932; published Mar. 31, 1936.
Pajamas and men's and boys' underwear. Excelsior Underwear Company. 344,729; Apr. 6; Serial No. 374,078; published Mar. 17, 1936.
Pajamas, robes, shirts, and underwear. Kaylon Incorporated. 344,716; Apr. 6; Serial No. 359,994; published Oct. 8, 1935.
Robes, slacks, playsuits, and shorts. Normandin Bros. Co. 344,928; Apr. 6.
Shirts, and women's blouses, Polo and sport. Mayer-Stern, Incorporated. 344,839; Apr. 6; Serial No. 385,485; published Jan. 19, 1937.
Shoes. Cannon Shoe Company. 344,782; Apr. 6; Serial No. 384,504; published Jan. 26, 1937.
Shoes. Child-Forme Shoe Co. Inc. 344,929; Apr. 6.
Shoes. Hanan & Son, Inc. 344,809; Apr. 6; Serial No. 384,998; published Jan. 12, 1937.
Shoes. R. B. McCarthy. 344,777; Apr. 6; Serial No. 383,932; published Jan. 19, 1937.
Shoes and slippers. Lion Shoe Co. 344,780; Apr. 6; Serial No. 384,381; published Jan. 19, 1937.
Shoes, slippers, and boots, etc. A. I. Namm & Son. 344,924; Apr. 6.
Shoes, slippers, and sandals. Lester Pincus Shoe Corporation. 344,769; Apr. 6; Serial No. 383,508; published Jan. 12, 1937.
Slippers. R. H. Macy & Co. 344,868; Apr. 6; Serial No. 385,851; published Jan. 26, 1937.
Slippers and/or shoes, Leather. Cannon Shoe Company. 344,829; Apr. 6; Serial No. 385,332; published Jan. 12, 1937.
Slips, brassières, and underwear. Manhattan Undergarment Co. 344,914; Apr. 6.
Slips, chemises, panties, etc. Tri-L Underwear Corporation. 344,910; Apr. 6.
Suits, coats, jackets, and pants. Liberty Overall Co. 344,867; Apr. 6; Serial No. 385,849; published Jan. 26, 1937.
Suits, coats, vests, etc. S. Makransky & Sons. 344,872; Apr. 6; Serial No. 385,931; published Jan. 26, 1937.
Suits, dresses, frocks, etc. D. H. Cavanaugh. 344,818; Apr. 6; Serial No. 385,175; published Jan. 19, 1937.
Suspenders. Condor Products, Inc. 344,844; Apr. 6; Serial No. 385,509; published Jan. 12, 1937.
Sweaters, bathing suits, knitted shirts, etc. Shepherd-Knit-Wear Co. Inc. 344,770; Apr. 6; Serial No. 383,510; published Jan. 26, 1937.
Sweaters, gloves, mittens, etc. Star Dry Goods Co. 344,908; Apr. 6.
Underwear, Men's and boys'. Schindler & Company. 344,866; Apr. 6; Serial No. 385,807; published Jan. 19, 1937.
Waists, pants, nightgowns, etc., Outer. R. S. Wheeler. 344,798; Apr. 6; Serial No. 384,771; published Jan. 19, 1937.

CLASS 40

Braid or lacing. Dritz-Traum Company. 344,791; Apr. 6; Serial No. 384,650; published Jan. 19, 1937.
Hair curler, Non-electrical. R. McC. McFadden. 344,812; Apr. 6; Serial No. 385,053; published Jan. 19, 1937.
Hair curlers, hair wavers, wave pressers, etc., Non-electrical. Hair Net Packers, Inc. 344,765; Apr. 6; Serial No. 382,665; published Jan. 12, 1937.
Packet containing materials and forms for the making of chenille ornaments, etc. New Art Studios. 344,911; Apr. 6.

CLASS 42

Cambrics, nainsooks, and muslins. Baltimore Bargain House. 116,030; renewed Apr. 3, 1937.
Cotton piece goods. Astrup Company. 344,803; Apr. 6; Serial No. 384,876; published Jan. 26, 1937.
Cotton piece goods. Otis Company. 344,901; Apr. 6; Serial No. 386,267; published Jan. 26, 1937.
Cotton piece goods. Wellington Sears Company. 344,807; Apr. 6; Serial No. 384,987; published Jan. 26, 1937.
Cotton piece goods, pillow cases, and sheets. Wamsutta Mills. 344,906; Apr. 6; Serial No. 386,464; published Jan. 26, 1937.
Cotton, rayon, acetate, and/or silk piece goods. Cohn-Hall-Marx Co. 344,819; Apr. 6; Serial No. 385,176; published Jan. 26, 1937.
Diapers, Hemmed. Millville Manufacturing Company. 116,671; renewed May 15, 1937.
Fabrics. L. Bachmann & Co. Inc. 344,720; Apr. 6; Serial No. 370,856; published Dec. 31, 1935.
Mohair pile fabrics in the piece. Sidney Blumenthal & Co. Inc. 344,912; Apr. 6.
Nettings, piece goods. John Heathcoat & Co. 344,735; Apr. 6; Serial No. 376,206; published Jan. 26, 1937.
Piece goods. Celanese Corporation of America. 344,852; Apr. 6; Serial No. 385,624; published Jan. 5, 1937.
Piece goods. Celanese Corporation of America. 344,903–4; Apr. 6; Serial Nos. 386,361–2; published Jan. 26, 1937.
Piece goods. Marshall Field & Company. 344,932; Apr. 6.
Rayon piece goods. Arthur Beir & Co. 344,883; Apr. 6; Serial No. 386,094; published Jan. 26, 1937.
Sheets, Crib. Neotex Manufacturing Co. 344,792; Apr. 6; Serial No. 384,666; published Jan. 26, 1937.
Sheets, sheetings, pillow cases, and cotton piece goods, Cotton. Utica and Mohawk Cotton Mills, Inc. 344,728; Apr. 6; Serial No. 373,274; published Mar. 24, 1937.
Silk piece goods. M. Heminway & Sons Silk Co. 117,441; renewed July 10, 1937.
Silk piece goods. Onondaga Silk Company. 344,915; Apr. 6.
Woolen, worsted, etc., piece goods. J. L. Walther. 344,905; Apr. 6; Serial No. 386,386; published Jan. 26, 1937.

CLASS 44

Belts or supports, Abdominal. S. H. Camp. 116,588; renewed May 15, 1937.
Gold alloy for wrought gold dental articles. S. S. White Dental Manufacturing Company. 344,846; Apr. 6; Serial No. 385,546; published Jan. 26, 1937.

CLASS 45

Beverages and syrup for making the same. B. K. Allen. 344,933; Apr. 6.

CLASS 46

Banana product, Powdered. Banana Products Company. 344,790; Apr. 6; Serial No. 384,643; published Jan. 26, 1937.
Biscuits. Southern Biscuit Company. 344,886; Apr. 6; Serial No. 386,178; published Jan. 26, 1937.
Cakes. Wesco Foods Company. 344,789; Apr. 6; Serial No. 384,637; published Jan. 26, 1937.

Candy. Liberty Orchards Company. 344,797; Apr. 6; Serial No. 384,753; published Jan. 26, 1937.
Candy. Miller-Elmer Manufacturing Co. 115,368; renewed Feb. 6, 1937.
Canned fish. E. M. Battat. 344,862; Apr. 6; Serial No. 385,774; published Jan. 26, 1937.
Canned fish, vegetables and fruits, and preserved fruits. Strohmeyer & Arpe Company. 115,686; renewed Feb. 27, 1937.
Canned meat compound. Reid, Murdoch & Co. 344,719; Apr. 6; Serial No. 370,361; published Jan. 5, 1937.
Canned peaches, pears, apricots, and pineapple, and breakfast cereal. Durand-McNeil-Horner Company. 344,800; Apr. 6; Serial No. 384,790; published Jan. 26, 1937.
Canned vegetables. Mobican Company. 344,786; Apr. 6; Serial No. 384,547; published Jan. 19, 1937.
Canned vegetables, canned vegetable juices. La Junta Canners, Inc. 344,811; Apr. 6; Serial No. 385,046; published Jan. 26, 1937.
Cheese. H. Stolzenbach. 344,930; Apr. 6.
Coffee. W. R. Grace & Co. 344,920–1; Apr. 6.
Cornmeal, cream-meal, and grits. South Texas Grain Company. 115,816; renewed Mar. 6, 1937.
Crackers, biscuits, and wafers. R. Raulli. 344,718; Apr. 6; Serial No. 369,168; published Oct. 29, 1935.
Feed, Wheat. Russell-Miller Milling Co. 116,363; renewed Apr. 24, 1937.
Feeds for live stock. A. A. Nixon & Company. 344,875; Apr. 6; Serial No. 385,988; published Jan. 26, 1937.
Fish and particularly codfish, Dried. Union Fish Company. 117,227; renewed June 19, 1937.
Flavor for rye bread, Rye bread. Lewis-Martin and Company. 344,772; Apr. 6; Serial No. 383,582; published Jan. 26, 1937.
Flavoring compound, Food. Tien Chu Ve-Tsin Manufacturing Co. 344,726; Apr. 6; Serial No. 372,533; published Jan. 19, 1937.
Flour, Blended wheat and rye. Washburn Crosby Company. 117,957; renewed Aug. 7, 1937.
Flour, Wheat. Mauser Mill Company. 117,179–81; renewed June 19, 1937.
Flour, Wheat. Russell-Miller Milling Co. 116,364–5; renewed Apr. 24, 1937.
Flour, Wheat. United Buyers Corporation. 344,861; Apr. 6; Serial No. 385,759; published Jan. 19, 1937.
Food compound, Peanut-butter and honey. D. C. Gilham. 116,621; renewed May 15, 1937.
Foods. Genant & Flachsland. 117,034; renewed June 12, 1937.
Foods. M. O'Connor & Company. 117,907; renewed Aug. 7, 1937.
Foods, Dog. Heger Products Company. 344,734; Apr. 6; Serial No. 376,123; published May 12, 1936.
Fruits, Fresh citrus. Elderwood Citrus Association. 344,923; Apr. 6.
Grits, white and yellow cornmeal, ready-mixed buckwheat, etc. Quaker Oats Company. 344,873; Apr. 6; Serial No. 385,940; published Jan. 26, 1937.
Ice cream mix. Borden Company. 344,895; Apr. 6; Serial No. 386,199; published Jan. 26, 1937.
Milk. Standard Dairies, Inc. 344,822; Apr. 6; Serial No. 385,202; published Jan. 26, 1937.
Mustard. R. T. French Company. 344,748; Apr. 6; Serial No. 379,956; published Jan. 26, 1937.
Pears, Fresh. Oregon-Washington Pear Bureau. 344,773; Apr. 6; Serial No. 383,747; published Jan. 19, 1937.
Pickles and relishes. Harbor Pickle Co. 344,727; Apr. 6; Serial No. 372,875; published Jan. 19, 1937.
Relish, mayonnaise, salad dressing, etc., Sandwich. C. Thomas Stores Sales System, Inc. 344,745; Apr. 6; Serial No. 379,910; published Jan. 19, 1937.
Rice. N. W. Hutchings. 344,853; Apr. 6; Serial No. 385,630; published Jan. 19, 1937.
Tea. Germania Tea Company. 344,877; Apr. 6; Serial No. 386,023; published Jan. 26, 1937.
Vegetable extract to be used for tenderizing meats. Perfect Mnfg. Co. 344,733; Apr. 6; Serial No. 376,065; published Jan. 19, 1937.
Vegetables, Fresh. T. Ichikawa. 344,864; Apr. 6; Serial No. 385,791; published Jan. 26, 1937.
Yeast. Standard Brands Incorporated. 344,836; Apr. 6; Serial No. 385,454; published Jan. 26, 1937.
Yeast. Standard Brands Incorporated. 344,858; Apr. 6; Serial No. 385,706; published Jan. 26, 1937.

CLASS 47

Sherry and port. Schenley Wine & Spirit Import Corporation. 344,715; Apr. 6; Serial No. 350,910; published July 3, 1934.
Wines. Celliers de la Communaute Marcopoulou 344,739; Apr. 6; Serial No. 378,358; published Oct. 27, 1936.
Wines. Citrus Juice & Flavor Co. Ltd. 344,712; Apr. 6; Serial No. 340,864; published Oct. 31, 1933.
Wines. H. Nagele's Market. 344,840; Apr. 6; Serial No. 385,488; published Jan. 26, 1937.
Wines. Johannes A. Petersen & Co. 344,714; Apr. 6; Serial No. 346,923; published Jan. 26, 1937.

CLASS 48

Ale. Forest City Brewery, Inc. 344,884; Apr. 6; Serial No. 386,157; published Jan. 26, 1937.
Ale. Globe Brewing Company. 344,848; Apr. 6; Serial No. 385,579; published Jan. 26, 1937.
Ale and beer. Globe Brewing Company. 344,847; Apr. 6; Serial No. 385,578; published Jan. 26, 1937.

CLASS 49

Gin and rum. B., M. & J. Strauss. Ltd. 344,713; Apr. 6; Serial No. 341,904; published Jan. 26, 1937.
Rum. Compañia Commercial y de Inversiones. 344,732; Apr. 6; Serial No. 374,964; published Apr. 21, 1936.
Whiskey. Glenmore Distilleries Company. 344,833; Apr. 6; Serial No. 385,397; published Jan. 26, 1937.
Whiskey. Henry Kelly & Sons, Inc. 344,717; Apr. 6; Serial No. 364,294; published June 11, 1935.
Whiskey. Kentucky Parfay Co. 344,927; Apr. 6.
Whiskey, Distilled. Illinois Hotels Foundation, Inc. 344,896; Apr. 6; Serial No. 386,211; published Jan. 26, 1937.
Whiskey, gin, and rum. N. N. Wallack. 344,725; Apr. 6; Serial No. 372,383; published Jan. 26, 1937.
Whiskey, Pure rye. Liberty Distributors, Inc. 344,837; Apr. 6; Serial No. 385,465; published Jan. 26, 1937.
Whiskey, Pure rye. C. M. Tritsch. 344,838; Apr. 6; Serial No. 385,466; published Jan. 26, 1937.

LIST OF LABELS

A. E. F. For a Blended Whiskey. A. M. Simons. 49,182; Apr. 6.
Automatic Cigar Lighter. For Electric Cigar Lighters. Casco Products Corporation. 49,159–60; Apr. 6.
Barclay Brand, Old Country Style. For Fruit Preserves. Ronna May Company. 49,178; Apr. 6.
Berkshire. For Fertilizer. Davison Chemical Corporation. 49,162; Apr. 6.
Big Joe. For Candy Bars. Sperry Candy Co. 49,185; Apr. 6.
Blue Bear. For Boxes. Hoague-Sprague Corporation. 49,172; Apr' 6.
Bonded & Insured Safety Treads. For Safety Treads for Stairs and the Like. Beaucraft Corporation. 49,149; Apr. 6.
Buddy. For a Blended Whiskey. A. M. Simons. 49,183; Apr. 6.
Burneze Eases Burns. For Specific for Burns. Reliable Laboratories, Inc. 49,177; Apr. 6.
Cream of Nuts. For Homogenized Nut Food Products. Nunut Foods, Inc. 49,175; Apr. 6.
Cyno-Tabs. For Medicinal Tablets. Matthews Drug Co. Inc. 49,173; Apr. 6.
Economy—a New Dr. West's Product. For Tooth Brushes. Weco Products Company. 49,186; Apr. 6.
Esslinger's. For Brown Stout. Esslinger's Inc. 49,163; Apr. 6.
Esslinger's. For Porter. Esslinger's Inc. 49,164; Apr. 6.
Glorietta. For Canned Tomato Juice. Santa Clara Packing Company. 49,179; Apr. 6.
Hub-Ettes Smart Shoes. For Boxes. Hoague-Sprague Corporation. 49,170; Apr. 6.
Old German. For Beer. Class & Nachod Brewing Co. 49,161; Apr. 6.
Old Mr. Boston. For Grapefruit Flavored Gin. Ben-Burk, Inc. 49,150; Apr. 6.
Old Mr. Boston. For Lime Flavored Gin. Ben-Burk, Inc. 49,151; Apr. 6.
Old Mr. Boston. For Loganberry Flavored Gin. Ben-Burk, Inc. 49,152; Apr. 6.
Old Mr. Boston. For Mint Flavored Gin. Ben-Burk, Inc. 49,153; Apr. 6.
Old Mr. Boston. For Pineapple Flavored Gin. Ben-Burk, Inc. 49,154; Apr. 6.
Old Mr. Boston. For Raspberry Flavored Gin. Ben-Burk, Inc. 49,155; Apr. 6.
Old Mr. Boston. For Strawberry Flavored Gin. Ben-Burk, Inc. 49,156; Apr. 6.
Old Mr. Boston. For Wild Cherry Flavored Gin. Ben-Burk, Inc. 49,157; Apr. 6.
Old Nick. For Candy Bars. Schutter Candy Company. 49,180; Apr. 6.
Paquet. For Personal Stationery Kits. Sleepy Hollow Shops. 49,184; Apr. 6.
Perfect. For Full Range Recordings. American Record Corporation. 49,148; Apr. 6.
Pinto. For Smoking Tobacco. Brown & Williamson Tobacco Corporation. 49,158; Apr. 6.
Poise Modelle. For Boxes. Hoague-Sprague Corporation. 49,169; Apr. 6.
Ritzy Girl. For Boxes. Hoague-Sprague Corporation. 49,168; Apr. 6.
Schrafft's Gold Chest. For Chocolates. Frank G. Shattuck Company. 49,181; Apr. 6.

Shredded Wheat. For Whole Wheat Biscuits. National Biscuit Company. 49,174; Apr. 6.
Sky Pilot Shoes. For Boxes. Hoague-Sprague Corporation. 49,166; Apr. 6.
The Oyster with that Healthy Wholesome Fringe. For Fresh Oysters. General By-Products Co. 49,165; Apr. 6.
Vi-tal-iks. For Boxes. Hoague-Sprague Corporation. 49,167; Apr. 6.
Webb's Scientific Tred. For Boxes. Hoague-Sprague Corporation. 49,171; Apr. 6.
White Label. For California Tokay Wine. Packard-Bamberger & Co. 49,176; Apr. 6.

LIST OF PRINTS

Maxwell Brothers Wilde Honee' Food Products. For Honey Food Products. Maxwell Brothers, Inc. 16,147; Apr. 6.
Meet the Missus. For Soap Flakes. Fitzpatrick Brothers. 16,145; Apr. 6.
Simplicity and Color. For Carpets and Rugs. Bigelow-Sanford Carpet Co. Inc. 16,143; Apr. 6.
So Much More Flavor When You Say—Pabst Ad. No. 736. For Beer. Premier-Pabst Corporation. 16,148; Apr. 6.
When Children Declare a "Cereal Strike" End it With a "Breakfast of Champions". For Cereal Food. General Mills, Inc. 16,146; Apr. 6.
Worth Crowing About. For Tea. Eppens, Smith Company. 16,144; Apr. 6.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bergvall, Royal C., Lower Merion Township, Montgomery County, Pa., assignor to Westinghouse Electric & Manufacturing Company. Simultaneously tripping relaying system. 20,319; Apr. 6.

Cleveland Cooperative Stove Company, The. (See Herbster, George, assignor.)

Herbster, George, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio. Oven light. 20,324; Apr. 6.

Karmazin Engineering Company. (See Karmazin, John, assignor.)

Karmazin, John, Huntington, Ind., assignor to Karmazin Engineering Company, Detroit, Mich. Making heat radiators. 20,321; Apr. 6.

Kimmel, George P. (See Page, Louis J., assignor.)

Link-Belt Company. (See Tark, Marcus B., assignor.)

Page, Louis J. Brooklyn, N. Y., assignor to George P. Kimmel, Brookville, Md. Type of eyeglass and spectacle mounting or bridge. 20,322; Apr. 6.

Rudof, Morris, Los Angeles, Calif. Making toothbrushes. 20,323; Apr. 6.

Sherman, John Q., Dayton, Ohio. Air cooling apparatus. 20,325; Apr. 6.

Tark, Marcus B., assignor to Link-Belt Company, Philadelphia, Pa. Settling system for separating solids from fluids. 20,320; Apr. 6.

Westinghouse Electric & Manufacturing Company. (See Bergvall, Royal C., assignor.)

LIST OF PLANT PATENTEES

Asmus, Edward R., Sr., Closter, N. J. Rose. 241; Apr. 6.

Ecke, Paul, Encinitas, Calif. Poinsettia. 242; Apr. 6.

LIST OF DESIGN PATENTEES

Alexander, Harold M., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass display table or similar article. 103,983; Apr. 6.

Aluminum Cooking Utensil Company, The. (See Salisbury, H. K., and Wunderley, assignors.)

American Floor Surfacing Machine Company, The. (See Myers, Harry L., assignor.)

Antenberg, Samuel, Brooklyn, N. Y. Hat ornament or similar article. 103,922; Apr. 6.

Avedon, Jacob, Freeport, N. Y. Lighter. 103,984; Apr. 6.

Blackstone Manufacturing Company. (See Conterman, Fred A., assignor.)

Brewer-Titchener Corporation, The. (See Johannsen, Udo K., assignor.)

Broomhall, Vincent, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio. Plate or similar article. 103,923; Apr. 6.

Burgess Battery Company. (See Iannelli, Alfonso, assignor.)

Burgess Battery Company. (See Reynolds, Benjamin S., assignor.)

Burgess, Magnus M., Detroit, Mich., assignor to Sheller Manufacturing Corporation, Portland, Ind. Steering wheel for automobiles. 103,962; Apr. 6.

Burns, John, Kenosha, Wis. Play horse. 103,924; Apr. 6.

Butler, Edward G., Boyce, Va. Bird feeding station. 103,963; Apr. 6.

Capey, Reco, London, assignor to Yardley & Co., Limited, Stratford, London, England. Bottle. 103,985; Apr. 6.

Capey, Reco, London, assignor to Yardley & Co., Limited, Stratford, London, England. Combined display stand and container. 103,986; Apr. 6.

Carlton, Helen G., Baltimore, Md. Corner kitchen sink. 103,925; Apr. 6.

Conterman, Fred A., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y. Agitator. 103,926; Apr. 6.

Dannecker, Rudolph, Beacon, N. Y. Embroidered lace fabric or similar article. 103,927; Apr. 6.

Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriter. 103,928; Apr. 6.

E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)

Elzi, Peter F. (See Sachs, Henry E.)

Emmey, Charles, New York, N. Y. Appliqué emblem. 103,964; Apr. 6.

Emmey, Charles, New York, N. Y. Appliqué emblem. 103,965; Apr. 6.

Emporium, The. (See Kaplan, Walter, assignor.)

Ennever, Harry, Harrington Park, N. J. Milk bottle or similar article. 103,987; Apr. 6.

Flanner, Norris E., Wyckoff, N. J. Thermometer. 103,929; Apr. 6.

Frazier, John F., assignor to Gar Wood Industries, Inc., Detroit, Mich. Vehicle tank body. 103,972; Apr. 6.

Freeman, Martin I., Jr., New York, N. Y. Vase. 103,930; Apr. 6.

Fuller, Paul M., Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Phonograph cabinet. 103,966; Apr. 6.

Goodstein, Joseph, New York, N. Y. Comfortable. 103,988; Apr. 6.

Goodstein, Joseph, New York, N. Y. Comfortable. 104,006; Apr. 6.

Goodstein, Joseph, New York, N. Y. Comfortable. 104,007; Apr. 6.

Goodstein, Joseph, New York, N. Y. Comfortable. 104,008; Apr. 6.

Goshen Manufacturing Company, The. (See Rink, Robert M., assignor.)

Greenberg, Morris, New York, N. Y. Novelty statuette. 103,931; Apr. 6.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Candlestick. 103,932; Apr. 6.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Bowl. 103,967; Apr. 6.

Guzy, Aaron, New York, N. Y. Dress ensemble. 103,989; Apr. 6.

Hendrich, August, Franklin, assignor to C. Hendrich, Bainbridge, Ind. Standing lamp. 103,933; Apr. 6.

Hendrich, August, Franklin, assignor to C. Hendrich, Bainbridge, Ind. Standing lamp. 103,934; Apr. 6.

Hendrich, Charlie. (See Hendrich, August, assignor.)

Hollister, Donald C., Grosse Pointe, assignor to W. A. Maher, Detroit, Mich., doing business as Precision Products Company. Casing for an air conditioning unit or similar article. 103,968; Apr. 6.

Horn, Harry J. (See Hunt, J. H., and Horn.)

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. 103,999; Apr. 6.

Huelat, John H., New York, N. Y. Textile fabric. 103,935; Apr. 6.

Huelat, John H., New York, N. Y. Textile fabric. 103,936; Apr. 6.

Hunt, J. Harold, and H. J. Horn, assignors to Motor Wheel Corporation, Lansing, Mich. Wheel. 103,991; Apr. 6.

Hunt, J. Harold, and H. J. Horn, assignors to Motor Wheel Corporation, Lansing, Mich. Wheel. 103,992; Apr. 6.

Hygienic Tube & Container Company. (See Lermer, Herman B., assignor.)

Ianelli, Alfonso, Park Ridge, assignor to Burgess Battery Company, Chicago, Ill. Communication booth. 103,937; Apr. 6.

Jack, Edward M., Torrington, Conn. Hack saw frame. 103,969; Apr. 6.

Jacobs Bros. Co. Inc., The. (See Jacobs, Harry M., assignor.)

Jacobs, Harry M., assignor to The Jacobs Bros., Co. Inc., Brooklyn, N. Y. Coffee mill housing. 103,970; Apr. 6.

Jaeger, Adolph C., Port Chester, N. Y. Textile fabric or similar article. 103,938; Apr. 6.

Johannsen, Udo K., assignor to The Brewer-Fitchener Corporation, Cortland, N. Y. Ironing board support. 103,971; Apr. 6.

Kaplan, Walter, assignor to The Emporium, San Francisco, Calif. Textile fabric. 103,973; Apr. 6.
Keith, Helen C., Kingston, Mass. Food bowl. 103,993; Apr. 6.
Kelsey-Hayes Wheel Company. (See Pattison, James W., assignor.)
Kensington, Incorporated. (See Guild, Lurelle, assignor.)
Kensington, Incorporated. (See Wharton, Donald C., assignor.)
Knowles, Edwin M., China Co., The. (See Broomhall, Vincent, assignor.)
Kolberg, Herbert I., Mount Vernon, assignor to Pioneer Watch Case Company, New York, N. Y. Watchcase. 103,939; Apr. 6.
Kolberg, Herbert I., Mount Vernon, assignor to Pioneer Watch Case Company, New York, N. Y. Watchcase. 103,940; Apr. 6.
Kolberg, Herbert I., Mount Vernon, assignor to Pioneer Watch Case Company, New York, N. Y. Watchcase. 103,941; Apr. 6.
Kolberg, Herbert I., Mount Vernon, assignor to Pioneer Watch Case Company, New York, N. Y. Watchcase. 103,942; Apr. 6.
Kolberg, Herbert I., Mount Vernon, assignor to Pioneer Watch Case Company, New York, N. Y. Watchcase. 103,943; Apr 6.
Kolberg, Herbert I., Mount Vernon, assignor to Pioneer Watch Case Company, New York, N. Y. Watchcase. 103,944; Apr. 6.
Le Clercq, Raymond, assignor to Western Molded Products, Inc., Los Angeles, Calif. Battery box. 103,974; Apr. 6.
Lerner, Herman B., assignor to Hygienic Tube & Container Company, Newark, N. J. Applicator or similar article. 103,976; Apr. 6.
Levine, Louis, assignor to Van Raalte Company, New York, N. Y. Glove. 103,945; Apr. 6.
Levy, Leo I., Chicago, Ill. Pot holder. 103,975; Apr. 6.
Libbey-Owens-Ford Glass Company. (See Alexander, Harold M., assignor.)
Liberty, Normand P., Farmington, N. H. Shoe. 103,946; Apr. 6.
Maher, W. A. (See Hollister, Donald C., assignor.)
Manchil, Alfred, Roslindale, Mass. Antislip shoe heel attachment. 103,947; Apr. 6.
McCornack, Walter R., Cleveland Heights, Ohio. Building. 103,948; Apr. 6.
Meyer, John F., Chicago, Ill. Display cabinet. 103,949; Apr. 6.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Lamp housing. 103,950; Apr. 6.
Michelson, Margaret, New York, N. Y. Dress. 103,994; Apr. 6.
Motor Wheel Corporation. (See Horn, Harry J., assignor.)
Motor Wheel Corporation. (See Hunt, J. H., and Horn, assignors.)
Mounteney, Leonard, Chicago, Ill. Book cover. 103,995; Apr. 6.
Mounteney, Leonard, Chicago, Ill. Book cover. 103,996; Apr. 6.
Mounteney, Leonard, Chicago, Ill. Book cover. 103,997; Apr. 6.
Mounteney, Leonard, Chicago, Ill. Book cover. 103,998; Apr. 6.
Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Rotary disk edging machine. 103,977; Apr. 6.
National Mineral Company, The. (See Pitner, Marion W., assignor.)
North, Thomas H., Bald Eagle, Minn. Projector. 103,951; Apr. 6.
Ornstein, David, New York, N. Y. Watchcase. 103,952; Apr. 6.
Pattison, James W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 103,999; Apr. 6.
Pattison, James W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 104,000; Apr. 6.
Pioneer Watch Case Company. (See Kolberg, Herbert I., assignor.)
Pitner, Marion W., assignor to The National Mineral Company, Chicago, Ill. Hair drier. 103,978; Apr. 6.
Pollock, Leopold, New York, N. Y. Decorative light. 103,953; Apr. 6.
Precision Products Company. (See Hollister, Donald C., assignor.)
Reinhardt, Willard L., Shaker Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery case. 103,979; Apr. 6.
Reynolds, Benjamin S., assignor to Burgess Battery Company, Madison, Wis. Communication booth. 103,954; Apr. 6.
Richcreek, Edith, St. Petersburg, Fla. Shade pull. 103,955; Apr. 6.
Rink, Robert M., assignor to The Goshen Manufacturing Company, Goshen, Ind. Lawn settee. 103,956; Apr. 6.
Ruchman, Albert, New York, N. Y. Dress. 104,001; Apr. 6.
Sachs, Henry E., and P. F. Elzi, Denver, Colo. Seal press or similar article. 103,980; Apr. 6.
Salisbury, Harry J., and E. H. Wunderley, assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa. Teakettle. 103,957; Apr. 6.
Sengbusch, Gustav J., Milwaukee, Wis. Combined lamp and desk set. 103,981; Apr. 6.
Sheller Manufacturing Corporation. (See Burgess, Magnus M.)
Spector, Morris, New York, N. Y. Cape. 104,002; Apr. 6.
Stetson Shoe Company, The. (See Wales, Burton L., assignor.)
Susu Nut Co., The. (See Urbanek, James F., assignor.)
Taub, Morris, New York, N. Y. Lace. 104,003; Apr. 6.
Tyrrell, Norval, New York, N. Y. Sofa or similar article. 103,958; Apr. 6.
Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
Urbanek, James F., Elmwood Park, assignor to The Susu Nut Co., Chicago, Ill. Merchandise display stand. 104,004; Apr. 6.
Van Raalte Company. (See Levine, Louis, assignor.)
Wales, Burton L., Abington, assignor to The Stetson Shoe Company, Inc., Norfolk, Mass. Shoe. 104,005; Apr. 6.
Wallace, Sadye E., New York, N. Y. Salad dish boat. 103,959; Apr. 6.
Warshawsky, Abraham, Detroit, Mich. Roll top desk. 103,960; Apr. 6.
Weber, Samuel G., Pasadena, Calif. Lawn sprinkler head. 103,982; Apr. 6.
Western Molded Products, Inc. (See Le Clercq, Raymond, assignor.)
Wharton, Donald C., Pittsburgh, assignor to Kensington, Incorporated, New Kensington, Pa. Ashtray. 103,961; Apr. 6.
Willard Storage Battery Company. (See Reinhardt, Willard L., assignor.)
Wood, Gar, Industries, Inc. (See Frazier, John F., assignor.)
Wunderley, Elsie H. (See Salisbury, H. J., and Wunderley.)
Wurlitzer, Rudolph, Company, The. (See Fuller, Paul M., assignor.)
Yardley & Co. (See Capey, Reco, assignors.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Edward J., assignor to Abbott Machine Company, Milton, N. H. Dyeing apparatus. 2,076,170; Apr. 6.
Abbott Machine Company. (See Abbott, Edward J., assignor.)
Adams, Harry W., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Camera shutter construction. 2,076,191; Apr. 6.
Adams, Herbert L., Washington, D. C. Tiltable wing. 2,075,787; Apr. 6.
Adams, Herbert L., Washington, D. C. Wing broadening extension. 2,075,788; Apr. 6.
Adams, Victor N. (See Deitz, Charles F., assignor.)
Ajax Electric Furnace Corporation. (See Wyatt, James R., assignor.)
Albee, Hugh M., assignor to The Leavitt Machine Company, Orange, Mass. Rotary cutter. 2,076,110; Apr. 6.
Albrecht, Joseph A., Buffalo, N. Y. Forming fuel briquettes. 2,076,315; Apr. 6.
Albrecht, Otto, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Carboxylic acid amides of sulphonated aromatic carboxylic acid and making same. 2,076,217; Apr. 6.
Alcorn Combustion Company. (See Nash, Arthur E., assignor.)
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Sealing device for relatively rotatable parts. 2,076,218; Apr. 6.
Allabach, Earl P., Upper Darby, Pa. Electrical connection. 2,075,794; Apr. 6.
Allen, Albert J., Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburg, Pa. Electrical meter installation. 2,076,492; Apr. 6.
Allen, Albert J., Brooklyn, N. Y., and W. M. Bradshaw, Summit, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Detachable meter. 2,076,491; Apr. 6.
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 2,076,317; Apr. 6.
Almen, John O., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Race and roller transmission mechanism. 2,076,057; Apr. 6.
Aluminum Company of America. (See Noyes, Maxwell E., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Cyanamid & Chemical Corporation. (See Porter, J. M., and Way, assignors.)
American Fork & Hoe Company, The. (See Fifield, Albert F., assignor.)
American Locomotive Company. (See Miller, Sherman, assignor.)
American Locomotive Company. (See Robinson, Garland P., assignor.)
American Optical Company. (See Kinney, Fay D., assignor.)
American Sales Book Company. (See Hagemann, Louis F., assignor.)
American Telephone and Telegraph Company. (See Bowen, Arnold E., assignor.)
American Telephone and Telegraph Company. (See Wascheck, George, assignor.)
Amon, Frank W., Philadelphia, Pa. Food handling apparatus. 2,076,440; Apr. 6.
Anchor Steel & Conveyor Company. (See Waalkes, Gerrit, assignor.)
Anderson, James K., Wellington Foundry, Leeds, England. Doffing mechanism for flyer spinning, doubling, twisting, and like machines. 2,076,423; Apr. 6.
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,076,058; Apr. 6.
Andrew, Lucy B., Forest Hills, N. Y. Hair curler. 2,076,358; Apr. 6.
Andrews, L. V. (See Armour, J. W., and Andrews.)
Anshelm, Edward H., New York, N. Y. Ice creeper. 2,076,260; Apr. 6.
Apco Mossberg Corporation. (See Jackson, Alfred F., assignor.)
Armistead, George, Jr., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treatment of hydrocarbon oils. 2,076,394; Apr. 6.
Armour, James W., and L. V. Andrews, assignors to Riley Stoker Corporation, Worcester, Mass. Regulating apparatus. 2,076,393; Apr. 6.
Armstrong, Charles C. (See Nelson, L. R., and Armstrong.)
Armstrong Cork Company. (See Emanuel, Edward C., assignor.)
Arnold, Philip S., Flint, Mich. Oil burner control. 2,076,395; Apr. 6.
Arnold, Samuel P., Dayton, Ohio. Automobile heater. 2,076,287; Apr. 6.
Asbury, Stanley, St. Paul, Minn. Aircraft wing structure. 2,076,059; Apr. 6.
Associated Electrical Industries Limited. (See Robinson, Ernest Y., assignor.)
Atlantic Refining Company, The. (See Goldsmith, Lester M., assignor.)
Automatic Musical Instrument Company. (See McGerry, James J., assignor.)
Babcock, Oliver M., Evanston, Ill. Method and apparatus for making walls of shipping containers. 2,075,795; Apr. 6.
Babcock & Wilcox Company, The. (See Bailey, E. G., Cassidy, and Hardgrove, assignors.)
Bachmi, Ernst C. (See Jacobsohn, Carl, assignor.)
Bagshaw, Charles M., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Operating upon shoe soles. 2,075,923; Apr. 6.
Bagshaw, Charles M., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoe soles. 2,075,924; Apr. 6.
Bailey, Ervin G., Easton, Pa., P. R. Cassidy, Short Hills, and R. M. Hardgrove, Westfield, assignors, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J. Pulverizing mill. 2,076,288; Apr. 6.
Bake, Louis S., Penns Grove, N. J., assignor to E. I. duPont de Nemours & Company, Wilmington, Del. Manufacture of phenyl mercury acetate and phenyl mercury hydroxide. 2,075,971; Apr. 6.
Bakelite Corporation. (See Turkington, Victor H., assignor.)
Baker Oil Tools, Inc. (See Burt, Clarence E., assignor.)
Baker, Ralph B., Park Ridge, Ill. Collapsible bed. 2,075,796; Apr. 6.
Baldwin, Arthur L., Oakland, Calif. Wood graining machine. 2,075,925; Apr. 6.
Baldwin-Southwark Corporation. (See Dinzl, R. W., and Graf., assignors.)
Baldwin-Southwark Corporation. (See Kerr, S. L., and Greig, assignors.
Baldwin-Southwark Corporation. (See von Heydekampf, Gerd S., assignor.)
Bally Manufacturing Co. (See Williams Baadlee W., and H. S., assignors.)
Baltimore Paper Box Company, The. (See Ferguson, George K. S., assignor.)
Bancroft, William J. (See Solomon, A., and Bancroft.)
Bannister, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Esterification process. 2,076,111; Apr. 6.
Barbieri, Cesare. (See Nafash, Morris S., assignor.)
Barker, John O., assignor to Sweets Laboratories, Inc., New York, N. Y. Masticable material. 2,076,112; Apr. 6.
Barnes, Charles H. (See Wells, W. T., Barnes, and Spencer.)
Barr, John L., Chevy Chase, Md. Parking device. 2,075,926; Apr. 9.
Barrett Company, The. (See Radasch, A. H., and Bywater, assignors.)
Barrett, Edward L., La Grange, assignor to Utah Radio Products Company, Chicago, Ill. Remote control device. 2,075,972; Apr. 6.
Bartlett, John N., Tonawanda, N. Y. Amusement ride. 2,076,113; Apr. 6.
Basore, Cleburne A., and D. T. Jones, Auburn, assignors to The Chemical Research and Development Company, Birmingham, Ala. Coating iron, steel or steel alloys. 2,075,879; Apr. 6.
Battery Patents Corporation. (See Henry, Harry H., assignor.)
Bauer, Charles A. (See Smith, Charles N., H. G., and Bauer.)
Bauroth, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Electrical connecter. 2,076,261; Apr. 6.
Bay, Charles A., Morristown, N. J., assignor to Metropolitan Device Corporation. Electrical-service-cable grip. 2,076,359; Apr. 6.
Beadle, Blanche E., Springfield, Mass. Hair curling device. 2,075,880; Apr. 6.
Beals, E. Mauran, Jr., Nahant, Mass. Removable outsole for sport shoes. 2,076,316; Apr. 6.
Beardsley, Bruce, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Double strap conveyer. 2,076,493; Apr. 6.

Bechmann, Rudolf, and W. Schneider, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Piezoelectric crystal holder. 2,076,060; Apr. 6.

Bechmann, Rudolf, and H. Elstermann, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Frequency modulation. 2,076,289; Apr. 6.

Beery, Clinton E., Chicago, Ill. Furnace. 2,076,061; Apr. 6.

Behr-Manning Corporation et al. (See Curtin, George M., assignor.)

Bekius, Nicholas, assignor to Robert W. Irwin Company, Grand Rapids, Mich. Drop leaf swivel top extension table. 2,075,881; Apr. 6.

Belcher, Harold H. (See Sibson, W. W., and Belcher.)

Bell Telephone Laboratories, Incorporated. (See Brooks, Fred A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bruce, Edmond, assignor.)

Bell Telephone Laboratories, Incorporated. (See Dunn, Hugh K., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hearn, Richard B. assignor.)

Bell Telephone Laboratories, Incorporated. (See Norton, Edward L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Payne, Edward B., assignor.)

Bellamy, Joseph W., Ottawa, Ontario, Canada. Flashlight. 2,076,495; Apr. 6.

Belloni, Angelo, La Spezia, Italy. Facilitating escape from submerged craft. 2,076,219; Apr. 6.

Bendix Aviation Corporation. (See Wade, F. A., and Urfer, assignors.)

Bendix-Westinghouse Automotive Air Brake Company. (See Vorech, Stephen, assignor.)

Bénit, Henri, assignor to "L'Eclairage des Vehicules sur Rail", Paris, France. Comb regulator for electric machines. 2,076,115; Apr. 6.

Bennett, Joseph A., Bloomington, Ind. Producing printing plates. 2,076,220; Apr. 6.

Berg, Richard O. and S., assignors to Michigan Steel Tube Products Company, Detroit, Mich. Burr removing apparatus. 2,076,062; Apr. 6.

Berg, Simon. (See Berg, Richard O. and S.)

Berl, Ernest, Pittsburgh, Pa. Air conditioning apparatus. 2,076 360; Apr. 6.

Berry, Albert L., Salina, Kans. Moisture tester and method. 2,076,441; Apr. 6.

Besuzzi, Fred A., Temple City, Calif. Vapor bath cabinet. 2,076,171; Apr. 6.

Bethancourt, Joseph A., L. J. Grabau, and J. E. Heilemann, Dallas, Tex., assignors to Malt-O-Matic Corporation of America. Apparatus for manufacture and dispensing of frosted drinks and/or foods. 2,076,114; Apr. 6.

Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. Crystal oscillator monitor and centralized control. 2,076,361; Apr. 6.

Bjork, Byron T., Long Island City, N. Y. Necktie holder. 2,076,333; Apr. 6.

Black, William G., Cleveland, Ohio, assignor, by mesne assignments, of one-half to H. H. Fisher. Apparatus for cleaning receptacles. 2,076,262; Apr. 6.

Blair, William R., Fort Monmouth, Oceanport, N. J. Gyroscopic indicating and control device. 2,075,797; Apr. 6.

Blanchard, Walter P. (See Hottenroth, F. W., Blanchard, and Sprenger.)

Bliss, Carl G., Los Angeles, Calif., assignor, by mesne assignments, to Standard Steel Works. Timing mechanism. 2,076,290; Apr. 6.

Blue, Arthur A., Westfield, N. J., assignor of one-fourth to The Gamewell Company, Newton, Mass. Traffic signal. 2,076,396; Apr. 6.

Bluhm, Fred H., Detroit, Mich. Roofing. 2,076,014; Apr. 6.

Blum, Hosmer L., San Francisco, Calif. Liquid dispensing device. 2,076,263; Apr. 6.

Boardman, Robert H., assignor to Pacific Mills, Lawrence, Mass. Shuttle. 2,076,424; Apr. 6.

Bodor, Andrew, Newark, N. J., assignor to H. F. Wanvig, Garden City, N. Y. Method of and machine for wrapping pies. 2,076,291; Apr. 6.

Bohr, Marcia C., San Francisco, Calif. Trousers slacks. 2,075,928; Apr. 6.

Bold, John W. (See Ryan, W. M., and Bold.)

Boldt, Werner F., and G. H. Thomas, said Boldt assignor to Wagner Electric Corporation, St. Louis, Mo. and said Thomas assignor to P. M. Salerni, London, England. Power transmission mechanism. 2,076,362; Apr. 6.

Borden, Moro M., assignor to Simplex Valve and Meter Company, Philadelphia, Pa. Multiple totalizing register. 2,076,442; Apr. 6.

Borg-Warner Corporation. (See Brock, Denis T., assignor.)

Borg-Warner Corporation. (See Fawick, Thomas L., assignor.)

Borias, Paul. (See Chireix, H. and Borias.)

Bowden, Robert, Robstown, assignor to V. W. Payton, Bell County, Tex. Apparatus for spraying a center stripe on highways. 2,076,172; Apr. 6.

Bowen, Arnold E., Red Bank, N. J., assignor to American Telephone and Telegraph Company. Shielding system. 2,075,927; Apr. 6.

Bowser, S. F., & Company. (See Farwell, Joseph assignor.)

Bradbury, Joseph W., Manchester, N. H. Watch protector. 2,076,221; Apr. 6.

Bradshaw, William M. (See Allen, A. J., and Bradshaw.)

Brantly, John E., Avenal, Calif. Cementing wells. 2,075,882; Apr. 6.

Briggs, Howland F., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Sewing machine feed-dog mechanism. 2,075,973; Apr. 6.

Briggs Manufacturing Company. (See Marshall, W., and Fryer, assignors.)

Brinton, Christian H., Oak Park, assignor to Standard Cap and Seal Corporation, Chicago, Ill. Bottle capping mechanism. 2,076,116; Apr. 6.

Britsch, Otto C., Woodhaven, assignor to H. Hyman, Brooklyn, N. Y. Combined electric and flame light. 2,075 883; Apr. 6.

Brock, Denis T., London, England, assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,076,425; Apr. 6.

Brodhead, Stuyvesant H., and W. O. Tait, Jr., Mamaroneck, N. Y. Brake equalizer. 2,075,974; Apr. 6.

Bronson Reel Company. (See Schafer, John V., assignor.)

Brooks Fred A., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission regulation. 2,075,975; Apr. 6.

Broome, Clifford E., Euclid, Ohio. Speed reduction power unit. 2,076,015; Apr. 6.

Brown, George L., Clearwater, Fla. Combined hand and automatically controlled transmission. 2,075,798; Apr. 6.

Brown, Jesse B. assignor, by mesne assignments, to J. E. Martz, Detroit, Mich. Control for throttle, clutch, and brake means for automobiles. 2,076,117; Apr. 6.

Brown, Sanford. (See Hanson, E. R., and Brown.)

Brown and Sharpe Manufacturing Company. (See Feeney, William H., assignor.)

Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive radio system. 2,076 222; Apr. 6.

Bruce, William M., Mount Holly, N. J., assignor to The Permutit Company, New York, N. Y. Altering glauconite. 2,076,443; Apr. 6.

Bruck, Albert G. (See Winkler, W. G., and Bruck.)

Brunner, Albert, assignor to Wagner Electric Corporation, St. Louis, Mo. Packing cup. 2,076,363; Apr. 6.

Buchanan James A., assignor of forty-nine per cent to J. M. Hopper, Los Angeles, Calif. Piston. 2,076,118; Apr. 6.

Buckley, Herbert E., Elkhart, Ind. Carburetor control. 2,075,884; Apr. 6.

Buckley, Swithin W., Wilmington, Del. Greasing unit. 2,076,444; Apr. 6.

Burns, Earl A., Los Angeles, Calif. Diesel engine. 2,076 334; Apr. 6.

Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Core barrel. 2,076,063; Apr. 6.

Butler Manufacturing Company. (See Norquist, Victor C., assignor.)

Bywater, Wilfred M. (See Radasch, A. H., and Bywater.)

Cadwell, Leon L. (See Williams, B. E., and Cadwell.)

Cady, George H., Wadsworth, Ohio. Oxyfluoride of nitrogen. 2,076,364; Apr. 6.

Cady, John C., Enfield, Conn. Antiglare device. 2,076,397; Apr. 6.

Calcott, William S., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Prevention of corrosion. 2,075,976; Apr. 6.

California Fruit Growers Exchange. (See Leo, Albert S., assignor.)

California Spray-Chemical Corporation. (See Volck, William H., assignor.)

Callander, Marshall E., Dallas, Tex. Fluid jet nozzle. 2,076,445; Apr. 6.

Calm, M. (See Marsh, Samuel L., assignor.)

Camerascopic Lens Inc. (See Wiggin, John F., assignor.)

Camerota, Louis A., Burlington, and J. Matlack, Florence, assignors to Florence Pipe Foundry & Machine Company, Florence, N. J. Lifting tongs. 2,076,494; Apr. 6.

Canfield, Earl L. (See Keller, C. C., and Canfield.)

Canham, Albert R., East Sheen, London, England. Corset and the like fastening. 2,076,016; Apr. 6.

Caputo, James V., Girard, Ohio. Direct current supply system. 2,076,365; Apr. 6.

Carborundum Company, The. (See Roble, Norman P., assignor.)

Carden, John V., Camberley, England. Aircraft. 2,076,398; Apr. 6.

Carlson, Elof L., assignor to The E. Ingraham Company, Bristol, Conn. Display holder for timepieces. 2,076,292; Apr. 6.

Carlson, George R., Newark, and R. J. Stoetzel, Union, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Sealing compound. 2,075,885; Apr. 6.

Carlson, Johan A., assignor to L. T. Pratt, Ashland, Mass. Printing machine. 2,076,064; Apr. 6.

Carr, William C., Richmond, Va. Air conditioning apparatus. 2,076,192; Apr. 6.

Carraway Engineering Company. (See Carraway, Thomas W., assignor.)

Carraway, Thomas W., assignor to Carraway Engineering Company, Inc., Dallas, Tex. Cooling unit. 2,076,119; Apr. 6.

Carson, Clifford C., Cleveland, Ohio. Heating and ventilating. 2,076,399; Apr. 6.

Carwardine, George, Bath, assignor of one-half to Herbert Terry & Sons Limited, Ridditch, England. Equipoising mechanism. 2,076,446; Apr. 6.

Casper, Louis, Brooklyn, N. Y. Message drop box and signaling system. 2,076,017; Apr. 6.

Cassidy, Perry R. (See Bailey, E. G., Cassidy, and Hardgrove.)

Caswell, Joseph, and K. Elchuk, Windsor, Ontario, Canada. Style and cloth design illustrator. 2,076,426; Apr. 6.

Caterpillar Tractor Co. (See Starr, O. L., and Eberhard, assignors.)

Cates, Julius. (See Ryde, J. W., and Cates.)

Central Screw Company (See Payne, Ernest, assignor.)

Century Lighting Equipment, Inc. (See Levy, Joseph, assignor.)

Chambon, Henri, assignor to Société Anonyme des Anciens Etablissements L. Chambon, Paris, France. Manufacture of blocks with predetermined number of sheets. 2,075,789; Apr. 6.

Champion Paper and Fibre Company, The. (See Whiting, William S., Jr., assignor.)

Channell, James W., Southgate, Calif. Apparatus for splicing cable. 2,076,223; Apr. 6.

Cheatham Electric Switching Device Co. (See Stolp, S. S., and Sutton, assignors.)

Chemical Research and Development Company, The. (See Basore, C. A., and Jones, assignors.)

Chemical Works formerly Sandoz. (See Gutzwiller, Ernst, assignor.)

Chemical Works formerly Sandoz. (See Senn, Otto, assignor.)

Chicago Pneumatic Tool Company. (See Reed, Clarence E., assignor.)

Chicago Railway Equipment Company. (See Hawk, Ruby R., assignor.)

Chico Rhinestone Company. (See Moscini, John, assignor.)

Chilton, Roland, Ridgewood, N. J., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y. Engine cowling. 2,076,224; Apr. 6.

Chilton, Roland, Ridgewood, N. J., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y. Engine cooling and cowling. 2,076,225; Apr. 6.

Chireix, Henri and P. Borias, Paris, France, assignors to Compagnie Generale de Telegraphie sans Fil. Phase and frequency control of oscillations. 2,076,264; Apr. 6.

Christensen, Clarence A., assignor to Lathan Company, Inc., San Francisco, Calif. Degasser for internal combustion motors. 2,075,790; Apr. 6.

Cincinnati Ball Crank Company, The. (See Woelfer, Frank C., Jr., assignor.)

Clark, William K., assignor to Industrial Patents Corporation, Chicago, Ill. Carton. 2,076,065; Apr. 6.

Clay, George H., Kansas City, Mo. Service box. 2,076,066; Apr. 6.

Cleveland Crane & Engineering Company, The. (See Wehr, William G., assignor.)

Clickner, Forest H., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill. Lacteal derivative. 2,076,400; Apr. 6.

Cobourn, Delbert F., Portsmouth, Ohio, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 2,076,427; Apr. 6.

Cocks, George W., Upper Montclair, N. J. Cold storage cabinet. 2,076,173; Apr. 6.

Cole, Charles F. (See Semon, David E., assignor.)

Colliander, Carl E. H., assignor to Lorgnettes, Inc., Providence, R. I. Ophthalmic mounting. 2,076,293; Apr. 6.

Colliander, Carl E. H., assignor to Lorgnettes, Inc., Providence, R. I. Ophthalmic mounting. 2,076,294; Apr. 6.

Columbus McKinnon Chain Corporation. Stahl, Frank E., assignor.)

Commercial Solvents Corporation. (See Bannister, William J., assignor.)

Compagnie Generale de Telegraphie sans Fil. (See Chirelx, H., and Borias, assignors.)

Compagnie Generale d'Electricite. (See Jumau, Lucien J., assignor.)

Consolidated Packaging Machinery Corporation. (See Briggs, Howland F., assignor.)

Continental Folding Paper Box Co. (See Krudener, John C., assignor.)

Cook Paint & Varnish Company. (See Whitelaw, Charles H., assignor.)

Cooper, Hugh S., Cleveland Heights, assignor to Cooper Products, Inc., Cleveland, Ohio. Making beryllium. 2,076,067; Apr. 6.

Cooper, Hugh S., Cleveland, Ohio, assignor to General Electric Company. Hard carbide composition. 2,076,366; Apr. 6.

Cooper Products, Inc. (See Cooper, Hugh S., assignor.)

Cornell-Dubilier Corporation. (See Dubilier, William, assignor.)

Coro-Gram Inc. (See Stupell, Leo K., assignor.)

Cottrell, C. B., & Sons Company. (See Luehrs, Hans J., assignor.)

Cournyer, James H., Oskaloosa, Iowa. Garment hanger. 2,076,174; Apr. 6.

Coy, Shirley E., Huntington, Ind. Chest. 2,075,791; Apr. 6.

Crabtree, George W., Cleveland Heights, Ohio. Spring cover. 2,075,799; Apr. 6.

Crabtree, George W., Cleveland Heights, Ohio. Spring cover. 2,075,800; Apr. 6.

Crane Co. (See Kliment, William P., assignor.)

Crocker, William D. (See Lang, G. J., Martin, and Crocker.)

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase modulation receiver. 2,076,175; Apr. 6.

Crosley Radio Corporation, The. (See Winkler, W. G., and Bruck, assignors.)

Cummins, Clessie L., assignor to Oil Engine Development Company, Columbus, Ind. Oil engine. 2,076,220; Apr. 6.

Curs, Alfred, and H. Wolf, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Plaskor Company Inc., Toledo, Ohio. Insulating materials. 2,076,295; Apr. 6.

Curtin, George M., Gloversville, assignor of one-half to Behr-Manning Corporation, Watervliet, and one-half to Curtin and Hebert Company, Inc., Gloversville, N. Y. Abrasive drum for leather surfacing machines and the like. 2,076,193; Apr. 6.

Curtin and Hebert Company, et al. (See Curtin, George M., assignor.)

Curtis, Harry A., Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala. Nitrifying superphosphate. 2,075,801; Jan. 6.

Curtiss, William H., East Orange, N. J. Separating elements from shafts. 2,075,792; Apr. 6.

Curtiss-Wright Corporation. (See Swalm, R. A., and Heintze, assignors)

Curtiss-Wright Corporation. (See Wright, Theodore P., assignor.)

Cutler, L. H., et al. (See Swanson, Russel, assignor.)

Cyganick, Mary, Marine City, Mich. Garden tool. 2,076,120; Apr. 6.

Czarnecki, Walter, assignor to Eddington Metal Specialty Co., Eddington, Pa. Valve. 2,076,227; Apr. 6.

Dahl, Otto. (See Pawlek, F., and Dahl.)

Dake, Charles W., Grand Haven, Mich. Engine cylinder cover. 2,076,068; Apr. 6.

Dällenbach, Walter, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en apparaten Fabrieken "Meaf", Utrecht, Netherlands. Selecting device. 2,076,335; Apr. 6.

Daniels, Josef. (See Lux, E., and Daniels.)

Davidson, Walter C. (See Hoff, J. B., and Davidson.)

Davidson, William F., St. Paul, Minn. Automatic intercommunicating system. 2,076,176; Apr. 6.

Davies, Leonard J. (See Warren, H. W. H., Davies, and Mitchell.)

Davis, Lewis N., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Heat treating furnace and heat treating. 2,075,929; Apr. 6.

Davis, Melvin L., Wichita, Kans. Vehicle wheel raising device. 2,076,069; Apr. 6.

Davis, Merlin, Milton Pa. Production of complex sounds. 2,075,802; Apr. 6.

Dawson, George H., assignor to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 2,076,265; Apr. 6.

Dayton, James M., Torrington, Conn. Indicating device with backlash eliminator. 2,075,930; Apr. 6.

Dazey, Harry L., Clayton, Mo. Developing photographic film. 2,076,070; Apr. 6.

Dent, Hubert, Marshall, N. C. Horseshoeing device. 2,075,793; Apr. 6.

DeBolt, Victor H., Fairbanks, Alaska. Pneumatic machine base. 2,076,071; Apr. 6.

Debus, Sander, Hastings, Nebr. Bread slicing machine. 2,076,296; Apr. 6.

Deere & Company. (See Strandlund, Carl G., assignor.)

De Ganahl, Carl, Greenlawn, assignor to Fleetwings, Inc., Garden City, Long Island, N. Y. Fuel tank for aircraft. 2,075,977; Apr. 6.

Deitz, Charles F., assignor to V. N. Adams, Miami, Fla. Tomato coring and peeling machine. 2,076,496; Apr. 6.

Development Associates, Inc. (See Strindberg, Richard, assignor.)

Devlin, James F., Marinette, Wis. Quitch grass killer. 2,076,447; Apr. 6.

Diamond Match Company, The. (See Sickmon, Clive H., assignor.)

Dickey, John R., Media, Pa. Razor blade sharpener. 2,076,266; Apr. 6.

Dickinson, Fairleigh S., Rutherford, N. J. Hypodermic syringe needle hub. 2,076,121; Apr. 6.

Diescher, August P., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa. Tube making apparatus. 2,075,886; Apr. 6.

Diescher Tube Mills, Inc. (See Diescher, August P., assignor.)

Dinzl, Richard W., Narberth, and J. C. Graf, Philadelphia, Pa., assignors to Baldwin-Southwark Corporation. Horizontal extrusion press. 2,075,803; Apr. 6.
Ditto, Incorporated. (See Marchev, A., and McCain, assignors.)
Dixon, Lawrence F. (See Gross, P. M., and Dixon.)
Dodds, Nugent, Washington, D. C. Copy holder. 2,076,448; Apr. 6.
Doherty, David L., and D. G. Rose, Louisville, Ky., said Doherty assignor to said Rose. Meat tenderer. 2,076,139; Apr. 6.
Doll, Margaret G. (See Yürgen, Baron Silberg von Stackelberg, assignor.)
Dollahite, Kenneth J., Fort Worth, Tex. Printing mechanism. 2,076,177; Apr. 6.
Donaldson Manufacturing Company Limited. (See Hadden, William J., assignor.)
Doner, Frederick H., Watertown, N. Y. Dental instrument. 2,076,449; Apr. 6.
Doty, Vernon A., West Springfield, Mass. Flowerpot cover. 2,076,450; Apr. 6.
Douglas Aircraft Company. (See Davis, Lewis N., assignor.)
Douglas, Harry A., Bronson, Mich. Connecter. 2,076,072; Apr. 6.
Douglas, Harry A., Bronson, Mich. Reciprocating electric switch. 2,076,073; Apr. 6.
Douglas, Harry A., Bronson, Mich. Lighting system for automotive vehicles. 2,076,074; Apr. 6.
Downes, Harry I., Avalon, Calif. Hydraulic screw clutch. 2,076,075; Apr. 6.
Dressing, John E., St. Louis, Mo. Machine for crimping metal. 2,076,228; Apr. 6.
Dreyfus, Camille, New York, N. Y. Finishing knit fabrics. 2,075,887; Apr. 6.
Dreyfus, Henry, London, England. Production of artificial filaments, threads, ribbons or the like by the dry spinning method. 2,075,888; Apr. 6.
Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 2,075,889; Apr. 6.
Dreyfus, Henry, London, England. Manufacture of artificial products by dry spinning processes. 2,075,890; Apr. 6.
Drudy, Mortimer F., Jr., Richmond Hill, and A. G. Mahoney, New York, N. Y. Boat propulsion. 2,076,428; Apr. 6.
Dubilier, William, New Rochelle, assignor to Cornell-Dubilier Corporation, New York, N. Y. Electric condenser. 2,075,891; Apr. 6.
Dunlap, Alexander H., Chicago, Ill. Bulletproof vest. 2,076,076; Apr. 6.
Dunn, Hugh K., Bellerose, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave shaping system. 2,076,229; Apr. 6.
Dunning, Orville M., Glen Ridge, and R. M. Somers, Orange, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Phonographic system. 2,075,978; Apr. 6.
Du Pont, E. I., de Nemours & Company. (See Bake, Louis S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Calcott, William S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Handforth, Stanley L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Vittengl, Morgan J., assignor.)
Durand & Huguenin S. A. (See Müller, Max, assignor.)
Duro Metal Products Company. (See Hedgpeth, Theron L., assignor.)
Duryee, Gerald F., assignor to The Ohio Rubber Company, Willoughby, Ohio. Floor covering. 2,076,122; Apr. 6.
Dyksterhuis, Popko R., and J. van Slooten, Eindhoven, Netherlands, assignors to Radio Corporation of America. Amplifying or rectifying device. 2,075,979; Apr. 6.
Eades, John A., York, Pa., assignor to Read Machinery Company, Incorporated. Dust-return hopper. 2,075,931; Apr. 6.
Eames, George M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Trimming and stitching machine. 2,076,178; Apr. 6.
Eastern Box Company, The. (See Wagner, J. C., and Engel, assignors.)
Eastman Kodak Company. (See Adams, Harry W., assignor.)
Eastman Kodak Company. (See Hopkinson, F. J., and Fordyce, assignors.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Eastman Kodak Company. (See Wood, Donald L., assignor.)
Eberhard, Harmon S. (See Starr, O. L., and Eberhard.)
Eddington Metal Specialty Co. (See Czarnecki, Walter, assignor.)
Edison, Thomas A., Incorporated. (See Dunning, O. M., and Somers, assignors.)
Edison, Thomas A., Incorporated. (See Fridell, Willis S., assignor.)
Edwards, John D., Milwaukee, Wis. Building construction. 2,076,267; Apr. 6.
Ehrmann, William C. F., Fort Wayne, Ind. Abrader attachment for writing instruments. 2,075,932; Apr. 6.
Einfeldt, Ernest E., Davenport, Iowa. Making metal wheels. 2,076,077; Apr. 6.
Elchuk, Kanzimierz. (See Caswell, J., and Elchuk.)
Electrons, Inc. (See von Wedel, Carl J. R. H., assignor.)
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. White synthetic resins and making same. 2,075,804; Apr. 6.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Molding urea condensation plastic. 2,075,805; Apr. 6.
Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Treating solid fuels. 2,076,497; Apr. 6.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Elstermann, Herbert. (See Bechmann, R., and Elstermann.)
Emanuel, Edward C., assignor to Armstrong Cork Company, Lancaster, Pa. Joint packing and manufacture thereof. 2,076,401; Apr. 6.
Engel, Alfred J. (See Wagner, J. C., and Engel.)
Engelhardt, Emma E., Flint, and G. A. Nickel, Bay City, Mich. Oven switch. 2,076,268; Apr. 6.
Epstein, Albert K., and B. R. Harris, Chicago, Ill. Retardation of rancidity. 2,075,806; Apr. 6.
Epstein, Albert K., and B. R. Harris, Chicago, Ill. Oleaginous stabilization by the ester of glycerin with phosphoric and higher fatty acid. 2,075,807; Apr. 6.
Epstein, Louis, and H. W. Miller, Miami, Fla. Window. 2,076,194; Apr. 6.
Erie Enameling Company, The. (See Wheeler, Daniel D., assignor.)
Evans, Edward S., Detroit, Mich., assignor to Evans Products Company. Railway control auto stop. 2,075,892; Apr. 6.
Evans Products Company. (See Evans, Edward S., assignor.)
Ex-Cell-O Aircraft & Tool Corporation. (See Lemon, Joseph R., assignor.)
Fahey, John T., Oil City, Pa. Valve. 2,076,336; Apr. 6.
Fairchild, Roland J., Kalamazoo, Mich. Condenser cooling water control. 2,076,402; Apr. 6.
Fallscheer, Fritz, Reutlingen, Germany. Device for producing tubes or bobbins of the kind used in the textile industry for receiving the yarn. 2,076,451; Apr. 6.
Farrand, Clair L., Larchmont, assignor to United Research Corporation, Long Island City, N. Y. Synchronous motor and constructing same. 2,075,893; Apr. 6.
Farwell, Joseph, assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Film-forming means in vacuum system for removing impurities from oils. 2,076,498; Apr. 6.
Faunce, Raymond T., Washington, D. C. Cooking utensil. 2,076,140; Apr. 6.
Fawick, Thomas L., Akron, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Automobile drive. 2,075,980; Apr. 6.
Feeney, William H., East Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Machine tool. 2,076,179; Apr. 6.
Felmann, Henri, assignor to Morris, Mann & Reilly, Inc., Chicago, Ill. Lady's handbag. 2,076,452; Apr. 6.
Ferguson, George K. S., assignor to The Baltimore Paper Box Company, Baltimore, Md. Package. 2,076,018; Apr. 6.
Fickel, Glenn R., Denver, Colo. Magnetic conveyer. 2,076,195; Apr. 6.
Ficks Reed Company. (See Ficks, Robert L., assignor.)
Ficks, Robert L., assignor to F. Reed Company, Cincinnati, Ohio. Chair construction. 2,076,510; Apr. 6.
Fifield, Albert F., St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Tie plate. 2,076,019; Apr. 6.
Fisher, H. Howe. (See Black, William G., assignor.)
Fitzgerald, Charles F. (See Hadaway, J. B., and Fitzgerald.)
Fleer, John H., La Grange, Mo. Game timer. 2,076,453; Apr. 6.
Fleetwings, Inc. (See de Ganahl, Carl, assignor.)
Fliess, Robert A., New York, N. Y. Method and apparatus for observing bodies through opaque substances. 2,075,808; Apr. 6.
Florence Pipe Foundry & Machine Company. (See Camerota, L. A., & Matlack, assignors.)
Florsheim Shoe Company, The. (See White, John J., assignor.)
Food Machinery Corporation. (See Morse, J. W., Moore, and Phillips, assignors.)
Fordyce, Charles R. (See Hopkinson, F. J., and Fordyce.)
Forrest, Henry O., Teaneck, N. J., assignor to Standard Oil Company, Chicago, Ill. Propane dewaxing. 2,076,141; Apr. 6.
Foster, Robert B., assignor to J. B. Smiley, Los Angeles, Calif. Control apparatus for radio receiving sets. 2,075,809; Apr. 6.
Foxwell, Roland Y., Cape Charles, Va. Float switch. 2,076,454; Apr. 6.
Franks, Charles K., et al. (See Franks, David, assignor.)
Franks, David, assignor of one-third to C. K. Franks, and one-third to S. Franks, Jr., Millersburg, Ohio. Machine for separating seeds or the like. 2,076,455; Apr. 6.
Franks, Samuel, Jr., et al. (See Franks, David, assignor.)
Fraser, Edwin J., assignor to Keeshin Motor Express Co. Inc., Chicago, Ill. Trailer light. 2,076,020; Apr. 6.
Frederick, Charles, Columbiana, Ohio. Stiffener for collars. 2,076,196; Apr. 6.

French, Arthur H., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Forming insulating material. 2,076,078; Apr. 6.
Frey, Karl. (See Gams, A., Frey, and Sutter.)
Fridell, Willis S., Washington, D. C., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,075,981; Apr. 6.
Friedlander, Samuel, Memphis, Tenn. Bathtub. 2,075,933; Apr. 6.
Friess, Gustave A., Rye, assignor to News Syndicate Co. Inc., New York, N. Y. Method of and apparatus for drying carbon tissues. 2,076,367; Apr. 6.
Fryer, Donald A. (See Marshall, W., and Fryer.)
Fuller, Charles H., Portland, Oreg. Life boat davit. 2,076,021; Apr. 6.
Fyler, George W., Schenectady, N. Y., assignor to General Electric Company. High frequency power supply system. 2,076,368; Apr. 6.
G and N Engineering Company. (See Strand, August A., assignor.)
Gailor, Chester F. (See Moore, Milburn, assignor.)
Gallagher, Charles A. (See Mullen, E. J., and Gallagher.)
Gamewell Company, The. (See Blue, Arthur A., assignor.)
Gammeter, John R., assignor of one-half to S. G. Gammeter, Akron, Ohio. Making milk bottle caps. 2,076,079; Apr. 6.
Gammeter, Susan G. (See Gammeter, John R., assignor.)
Gams, Alphonse, K. Frey, and T. Sutter, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Laminated material and making same. 2,076,456; Apr. 6.
Garner, Ora J., et al. (See McClure, Jay D., assignor.)
Gaschke, Richard, East Orange, N. J. Refrigerating device. 2,076,142; Apr. 6.
Gasoline Products Co. Inc. (See Johnson, Stephen S., Jr., assignor.)
Gauthier, Paul M. A., Courbevoie, France. Apparatus for fixing caps on bottles. 2,076,337; Apr. 6.
Gebhardt, Henry M., Chicago, Ill. Window ventilator for double hung sash. 2,075,894; Apr. 6.
Gebrüder Zehnder Radiatoren & Apparatebau. (See Zahnder, Otto, assignor.)
Geerlings, Gerald K., Bala-Cynwyd, Pa. Building construction. 2,076,403; Apr. 6.
General Aniline Works, Inc. (See Hagge, W., and Haagen, assignors.)
General Chemical Company. (See Mullen, E. J., and Gallagher, assignors.)
General Electric Company. (See Cooper, Hugh S., assignor.)
General Electric Company. (See Fyler, George W., assignor.)
General Electric Company. (See Hottenroth, F. W., Blanchard, and Spreuger, assignors.)
General Electric Company. (See Milliner, T., and Türy, assignors.)
General Electric Company. (See Pawlek, F., and Dahl, assignors.)
General Electric Company. (See Ryde, J. W., and Cates, assignors.)
General Electric Company. (See Saint Germain, Jacques M., assignor.)
General Electric Company. (See Taylor, George F., assignor.)
General Electric Company. (See Warren, H. W. H., Davies, and Mitchell, assignors.)
General Electric Vapor Lamp Company. (See Ruth, John P., assignor.)
General Fire Extinguisher Company. (See Loepsinger, A. J., and Rose, assignors.)
General Metal Products Company. (See Mattick, Ralph, assignor.)
General Motors Corporation. (See Almen, John O., assignor.)
General Motors Corporation. (See Kane, F. H., and Milner, assignors.)
General Motors Corporation. (See Lampman, George W., assignor.)
General Motors Corporation. (See Schjolin, Eric O., assignor.)
General Motors Corporation. (See Van Deventer, H. R., and McKeown, assignors.)
Genone, Henry W., Atlanta, Ga. Combined bottle hood or closure and jigger. 2,076,457; Apr. 6.
George, Harry S., Massapequa, N. Y., assignor to Union Carbide and Carbon Corporation. Built-up rail and method of building up the same. 2,075,810; Apr. 6.
George, Harry S., Massapequa, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Heat treated rail and method of heat treating the same. 2,075,842; Apr. 6.
George, Harry S., Massapequa, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Method of and apparatus for heat treating rails. 2,075,982; Apr. 6.
George, Harry S., Massapequa, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Method of heat treating rails. 2,075,983; Apr. 6.
George, Henri, Paris, and R. Lambert, Levallois-Peret, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Process for recovering zirconium oxide. 2,076,080; Apr. 6.
Gerdau, Henry J., San Francisco, Calif. Fluid pump. 2,075,843; Apr. 6.
Gesner, Harry M. (See Northrop, J. K., and Gesner.)
Gialdini, Bruno T., Canton, Ohio. Machine for forming curved surfaces on heels and the like. 2,076,123; Apr. 6.
Gillis, Randall La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulated magnetic core and method of making insulated magnetic cores. 2,076,230; Apr. 6.
Gilman Fanfold Corporation. (See Mabon, Carl R., assignor.)
Glaenzer, Harry, Philadelphia, Pa., and L. L. Neebe, Woodbury, N. J. Electric locomotive bed frame. 2,076,231; Apr. 6.
Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
Gold William J., New York, N. Y. Emergency appliance. 2,075,934; Apr. 6.
Goldsmith, Lester M., assignor to The Atlantic Refining Company, Philadelphia, Pa. Cushioning means for supporting a body upon a vehicle frame. 2,075,844; Apr. 6.
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodman, Willard B., and W. L. Losson, Passaic, N. J., assignors to Wright Aeronautical Corporation. Engine cowling and cooling. 2,076,232; Apr. 6.
Goodwin, George R., assignor to Royal Electric Company, Incorporated Avon, Mass. Fuse construction. 2,075,935; Apr. 6.
Gossard, H. W., Co., The. (See Wipperman, Hildegard, assignor.)
Gottlieb, Armin H., New York, N. Y. Street sign. 2,076,081; Apr. 6.
Grabau, Louis J. (See Bethancourt, J. A., Grabau, and Hellemann.)
Graehner, Otto F., and A. H. Haberstump, Detroit, Mich., assignors to The Murray Corporation of America. Vehicle body. 2,075,936; Apr. 6.
Graf, John C. (See Dinzl, R. W., and Graf.)
Graff, Amos M., assignor to York Ice Machinery Corporation, York, Pa. Actuating mechanism for auxiliary doors. 2,075,937; Apr. 6.
Grant, Harry C., Jr., assignor to Walter Kidde & Company, Inc., New York, N. Y. Voltage regulation. 2,076,499; Apr. 6.
Grantonic, John J., assignor of twenty-five per cent to F. McLister, Mingo Junction, Ohio. Shaker cap. 2,076,233; Apr. 6.
Gray, Garold C. J., assignor to Western Land Roller Company, Hastings, Nebr. Holder for mill screens. 2,076,297; Apr. 6.
Gray Tool Company. (See Roye Richard T., assignor.)
Greely, John J., Maysville, Ky. Railway crossing. 2,076,338; Apr. 6.
Greenwood, James E., assignor to Liberty Glass Company, Sapulpa, Okla. Milk bottle. 2,076,124; Apr. 6.
Greig, Andrew. (See Kerr, S. L., and Greig.)
Grimsrud, Hans O., San Francisco, Calif. Door lock. 2,076,125; Apr. 6.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,076,180; Apr. 6.
Gross, Paul M., and L. F. Dixon, Durham, N. C., assignors to Liggett & Myers Tobacco Company, New York, N. Y. Sterilizing. 2,075,845; Apr. 6.
Guinan, William F., Easthampton assignor to Hampton Company, Easthampton, Mass. Machine for treating yarn in skein form. 2,076,429; Apr. 6.
Guinot, Henri M., Melle, Deux-Sevres, France. Process and apparatus for the extraction of products in solution by means of solvents. 2,076,126; Apr. 6.
Gump, B. F., Co. (See Hazle, Albert J., Jr., assignor.)
Gunn, John, Philadelphia, Pa. Jack seating device. 2,076,339; Apr. 6.
Gutzwiller, Ernst, assignor to the firm of Chemical Works formerly Sandoz, Basel, Switzerland. Sulphonated arylamino anthraquinone dyestuffs and their manufacture. 2,076,197; Apr. 6.
Haagen, Karl. (See Hagge, W., and Haagen.)
Haberstump, Alfred H. (See Graehner, O. F., and Haberstump.)
Hadaway, John B., Swampscott, and C. F. Fitzgerald Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon heelifts and rands. 2,075,938; Apr. 6.
Hadden, William J., assignor to Donaldson Manufacturing Company Limited, Glasgow, Scotland. Golf club. 2,076,340; Apr. 6.
Hagedorn, Hans C., Gentofte, B. N. Jensen Copenhagen, and I. Wodstrup-Nielsen, assignors to Nordisk Insulinlaboratorium, Gentofte, Denmark. Therapeutic product and process. 2,076,082; Apr. 6.
Hagemann, Louis F., Niagara Falls, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc. Record strip aligner for manifolding machines. 2,076,022; Apr. 6.
Hagge, Walter and K. Haagen, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphur dyes. 2,076,143; Apr. 6.
Hagge, Walter and K. Haagen, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyes. 2,076,144; Apr. 6.

Hall, Melvin R., Atlantic City, N. J. Whistle for toy railways. 2,076,145; Apr. 6.
Hall, Thomas E., assignor to Packers Supply Company Limited, New Malden, England. Strap rolling means. 2,076,458; Apr. 6.
Halliday, Thomas W., Los Angeles, Calif. Laxative auxiliary food flakes and making same. 2,075,846; Apr. 6.
Halowax Corporation. (See Hanson, E. R., and Brown, assignors.)
Halsted, Jesse N., Omaha, Nebr. Sign process platform. 2,076,023; Apr. 6.
Halsted, Jesse N. Omaha, Nebr. Sign process table. 2,076,024; Apr. 6.
Hampton Company. (See Guinan, William F., assignor.)
Handforth, Stanley L., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compressing gases. 2,075,984; Apr. 6.
Hanson, Ernest R., Bloomfield, and S. Brown, Montclair, N. J., assignors to Halowax Corporation, New York, N. Y. Purification of halogenated organic compounds. 2,076,430; Apr. 6.
Hanson, James, Sunnyvale, Calif., assignor to Libby, McNeil & Libby, Chicago, Ill. Canning citrus and other juices. 2,076,459; Apr. 6.
Hardgrove, Ralph M. (See Bailey, E. G., Cassidy, and Hardgrove.)
Harmon, Wayne A. S., Los Angeles, Calif. Molten metal pump. 2,075,895; Apr. 6.
Harmon, Wayne A. S., Los Angeles, Calif. Oil cracking process. 2,075,896; Apr. 6.
Harris, Benjamin R. (See Epstein, A. K., and Harris.)
Harris, Edward R., Los Angeles, Calif. Sound reproducing apparatus. 2,076,298; Apr. 6.
Harris Textile Machinery Corporation. (See Harris, Thomas, assignor.)
Harris, Thomas, Providence, R. I., assignor to Harris Textile Machinery Corporation. Covering apparatus. 2,076,269; Apr. 6.
Harris, Thomas, Providence, R. I., assignor to Harris Textile Machinery Corporation. Making covered elastic threads. 2,076,270; Apr. 6.
Harris, Thomas, Providence, R. I., assignor to Harris Textile Machinery Corporation. Covered elastic thread. 2,076,271; Apr. 6.
Harris, Thomas, Providence, R. I., assignor to Harris Textile Machinery Corporation. Elastic cord. 2,076,272; Apr. 6.
Harris, Thomas, Providence, R. I., assignor to Harris Textile Machinery Corporation. Elastic thread. 2,076,273; Apr. 6.
Hartley, George C., and W. J. Reynolds, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 2,076,234; Apr. 6.
Hawk, Ruby R., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam safety strap. 2,076,369; Apr. 6.
Hayes, John W., and A. J. Kallfelz, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Gas purification. 2,076,235; Apr. 6.
Hazle, Albert J., Jr., assignor to B. F. Gump Co., Chicago, Ill. Releasable screen attachment for hammer mills. 2,076,025; Apr. 6.
Heald, George W., and A. J. Popham, Chicago, Ill. Water wall boiler. 2,075,985; Apr. 6.
Hearn, Richard B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal distortion indicating and measuring device. 2,075,897; Apr. 6.
Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. Woodworking tool. 2,076,511; Apr. 6.
Heilemann, Jacob. (See Bathancourt, J. A., Grabau, and Heilemann.)
Heinrich, Paul A., Chicago, Ill. Accelerator control. 2,076,460; Apr. 6.
Heintze, Carl R. O. P. (See Swalm, R. A., and Heintze.)
Hennebohle, Frank, Chicago, Ill. Gaseous fuel consuming heating apparatus. 2,075,986; Apr. 6.
Henry, Harry H., assignor, by mesne assignments, to Battery Patents Corporation, Chicago, Ill. Battery terminal 2,076,341; Apr. 6.
Herrington, Emerald C., Ferndale, Mich. Panel and joint construction. 2,076,404; Apr. 6.
Heymer, Fritz, assignor to Franz Kruckenberg and C. Stedefeld, Hanover, Germany. Skeleton structure for railway cars. 2,075,939; Apr. 6.
Hildebrandt, Edward, Seattle, Wash. Making containers. 2,076,342; Apr. 6.
Hildebrandt, Friedrich. (See Schoeller, W., and Hildebrandt.)
Hildebrandt, Friedrich. (See Schoeller, W., Hildebrandt, and Schwenk.)
Hipsley, George W., Philadelphia, Pa. Medicinal treatment device. 2,076,461; Apr. 6.
Hirsch, Melville M., San Francisco, Calif. Primary light source. 2,076,026; Apr. 6.
Hoban, Fairfield W., assignor to Stewart and McGuire, Incorporated, New York, N. Y. Check controlled mechanism. 2,076,513; Apr. 6.
Hoe, R. & Co. (See Horton, Albert J., assignor.)
Hoff, Joseph B., Philadelphia, and W. C. Davidson, Kirklyn, Pa. Automatic safety shut-off valve. 2,076,274; Apr. 6.
Holder, Wiggin & Folan, Inc. (See Wiggin, Daniel W., assignor.)
Hollingshead, Everett H., Dayton, assignor to Road Stripping, Inc., Houston, Tex. Road marking combine. 2,076,370; Apr. 6.
Holloway, Gilbert C., Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. System for automatic coil winding machines. 2,076,236; Apr. 6.
Holophane Company. (See Keller, C. C., and Canfield, assignors.)
Honnolke, Franz, Haberzle, Post Gross-Tschochau, Czechoslovakia. Typewriter. 2,076,198; Apr. 6.
Hookless Fastener Company. (See Larroque, Joseph L., assignor.)
Hoosier Lamp & Stamping Corporation. (See Smith, Charles N., H. G., and Bauer.)
Hoover Company, The. (See White, Harry B., assignor.)
Hopkins, Raymond E., Weymouth, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoe bottom units. 2,075,940; Apr. 6.
Hopkinson, Frederick J., and C. R. Fordyce, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Preparation of an organic acid ester of cellulose in fibrous form. 2,076,181; Apr. 6.
Hopper, Jerry M. (See Buchanan, James A., assignor.)
Horechney, Frank S., Milwaukee, Wis. Combination tool. 2,076,462; Apr. 6.
Horley, Robert E., assignor to Pirelli-General Cable Works Limited, London, England. Apparatus for extruding metal. 2,076,199–200; Apr. 6.
Horton, Albert J., White Plains, assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Web roll support. 2,076,405; Aprfl 6.
Horton, Joseph W., Cambridge, Mass., and D. M. Terry, assignors to Western Electric Company, Inc., New York, N. Y. Synchronizing system. 2,075,898; Apr. 6.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Drawing. 2,075,847; Apr. 6.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Pouring spout container. 2,075,848; Apr. 6.
Hott, Ion V., assignor to The Joyce-Cridland Company, Dayton, Ohio. Lifting mechanism. 2,076,027; Apr. 6.
Hottenroth, Frederick W., Jr., Lynn, W. P. Blanchard, South Hamilton, and G. W. Sprenger, Lynn, Mass., assignors to General Electric Company. Time switch. 2,076,371; Apr. 6.
Houck, Byron S., Los Angeles, Calif. Container for dry comminuted material. 2,075,987; Apr. 6.
Howell, Joseph C., Fort Lee, N. J. Metatarsal arch support. 2,075,941; Apr. 6.
Howell, Joseph C., Fort Lee, N. J. Arch support. 2,075,942; Apr. 6.
Howell, Joseph C., Fort Lee, N. J. Arch support. 2,075,943; Apr. 6.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Flat fashioned knitting machine. 2,076,127; Apr. 6.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Holding means for knitting machine elements. 2,076,128; Apr. 6.
Howsam, Hilyard C., assignor to Hubbard Spool Company, Chicago, Ill. Spool. 2,076,083; Apr. 6.
Howsam, Hilyard C., assignor to Hubbard Spool Company, Chicago, Ill. Spool. 2,076,084; Apr. 6.
Hubbard Spool Company. (See Howsam, Hilyard C., assignor.)
Hufferd, George H., Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Self-adjusting ball joint. 2,076,028; Apr. 6.
Huffman, Howard, assignor to J. A. Sperry, West Palm Beach, Fla. Shoe heel and decorative cover therefor. 2,076,514; Apr. 6.
Hughes, Henry, & Son Limited. (See Wood, A. B., Smith, and McGeachy, assignors.)
Hughes, Leigh E., Philadelphia, Pa. Hydraulic transmission. 2,075,944; Apr. 6.
Humason, Granville A. (See Young, Bob, assignor.)
Humason, Granville A., Houston, Tex. Drilling head. 2,075,899; Apr. 6.
Humphner, Ferdinand W., Oak Park, assignor to Mid-States Gummed Paper Co., Chicago, Ill. Reenforced paper and forming same. 2,076,343; Apr. 6.
Hunnicutt, Joseph E., West Hartford, Conn. Safe and protective means therefor. 2,076,085; Apr. 6.
Hunter, Oliver W., Los Angeles, Calif., assignor to Jensen Creamery Machinery Company, Inc., Bloomfield, N. J. Improving the viscosity of certain fatty liquids. 2,076,372; Apr. 6.
Hurt, Victor H., Naugatuck, Conn., assignor to United States Rubber Products, Inc., New York, N. Y. Rubber sheet material and article made therefrom. 2,075,945; Apr. 6.
Hutto, Marsden C., Detroit, Mich., assignor to Pressure Generators, Inc. Pressure generator. 2,075,849; Apr. 6.
Hyde Manufacturing Company. (See la Croix, Arthur J., assignor.)
Hydraulic Brake Company. (See McCollum, Andrew O., assignor.)
Hyman, Henry. (See Britsch, Otto C., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Rein, Herbert, assignor.)
Imperial Chemical Industries Limited. (See Piggott, Henry A., assignor.)
Imperial Chemical Industries Limited. (See White, A. G., and Jones, assignors.)
Industrial Patents Corporation. (See Clark, William K., assignor.)
Industrial Patents Corporation. (See Williams, B. E., and Cadwell, assignors.)
Ingersoll-Rand Company. (See Smith, William A. Sr., assignor.)
Ingraham, E., Company, The. (See Carlson, Elof L., assignor.)
International Banding Machine Company. (See Malocsay, Francis X., assignor.)
Irwin, Robert W., Company. (See Beklus, Nicholas, assignor.)
Jackson, Alfred F., Providence, R. I., assignor to L. R. Smith, receiver of Apco Mossberg Corporation. Parking device. 2,075,900; Apr. 6.
Jackson, Edward Q. (See Salvoni, Ippolito, assignor.)
Jacobsohn, Carl, assignor to E. C. Baehni, Hamburg, Germany. Air-improvement device. 2,076,463; Apr. 6.
Jamau, Lucien J., assignor to Compagnie Generale d'electricite, Paris, France. Charging the electric accumulators of lead having slight local actions. 2,076,238; Apr. 6.
James, Charles A. et al. (See Wiley, Joe, assignor.)
James, Henry D., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control mechanism. 2,076,146; Apr. 6.
Janssens, Peter A., Chicago, Ill. Patching device and method. 2,076,431; Apr. 6.
Jefferson Island Salt Company. (See Neat, Frank U., assignor.)
Jeffrey Manufacturing Company, The. (See Bauroth, Walter J., assignor.)
Jeffrey Manufacturing Company, The. (See Lemmon, Alexis W., assignor.)
Jeffrey Manufacturing Company, The. (See Muller, Ernst F., assignor.)
Jenkins, George O., Company. (See Richter, Herman W., assignor.)
Jennings, O. D. & Co. (See Jennings, Ode D., assignor.)
Jennings, Ode D., assignor to O. D. Jennings & Co., Chicago, Ill. Advertising device. 2,076,182; Apr. 6.
Jensen, Birger N. (See Hagedorn, H. C., Jensen, and Wodstrup-Nielsen.)
Jensen Creamery Machinery Company. (See Hunter, Oliver W., assignor.)
Jespersen, Helgo W., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for handling strand material. 2,076,237; Apr. 6.
Johns-Manville Corporation. (See Parsons, Raymond V., assignor.)
Johnson, Arnold L., assignor to Norton Company, Worcester, Mass. Electrically operated sizing device. 2,075,902; Apr. 6.
Johnson, Arthur A., Bridgeport, Conn. News and advertisement exhibiting. 2,076,029; Apr. 6.
Johnson, Axel A., Holly, Mich. Washing device. 2,075,850; Apr. 6.
Johnson, Conrad W., Jamestown, N. Y. Container. 2,075,988; Apr. 6.
Johnson, Edward E., Incorporated. (See Williams, Howard O., assignor.)
Johnson, Oscar E., et al. (See Swanson, Russel, assignor.)
Johnson, Stephen S., Jr., Short Hills, assignor to Gasoline Products Co. Inc., Newark, N. J. Treatment of hydrocarbon oil. 2,075,901; Apr. 6.
Johnston, Herbert L., assignor to The Kitchen Aid Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,075,851; Apr. 6.
Johnston, Howard M., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Reaper-thresher machine. 2,075,946; Apr. 6.
Johnstone, George A., Chicago, Ill. Alternating current generator. 2,076,464; Apr. 6.
Jones, Daniel T. (See Basore, C. A., and Jones.)
Jones, Elwyn. (See White, A. G., and Jones.)
Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Dewaxing of oil. 2,076,147; Apr. 6.
Jonneret, Francis, and A. Schoch, Geneva, Switzerland. Automatic distributor. 2,075,989; Apr. 6.
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,075,852; Apr. 6.
Jorgenson, Arthur P., assignor to Roan Mfg. Co., Racine, Wis. Electric flasher. 2,076,275; Apr. 6.
Joyce-Cridland Company, The. (See Hott, Ion Von K., assignor.)
Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Stendel, H., and Wiechell, assignors.)
Kahlenberger, Wilhelm, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Injection combustion power machine with jet atomization and auxiliary chamber. 2,076,030; Apr. 6.
Kallfelz, Alois J. (See Hayes, J. W., and Kallfelz.)
Kane, Forest H., and W. R. Milner, Pontiac, Mich., assignors to General Motors Corporation, Detroit, Mich. Radiator. 2,076,031; Apr. 6.
Kanolt, Clarence W., New York, N. Y. Projection of pictures for viewing in stereoscopic relief. 2,075,853; Apr. 6.
Karnes, James C., Buffalo, N. Y. Predicting device. 2,075,854; Apr. 6.
Katcher, Morris, New York, N. Y. Driven member of a clutch. 2,076,373; Apr. 6.
Kaufmann, Harry A., Detroit, Mich. Valve. 2,075,811; Apr. 6.
Kaufmann, John J., Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness frame. 2,076,148; Apr. 6.
Kaysen, Claude H., et al. (See McClure, Jay D., assignor.)
Keene, Alvin D. (See Samuels, A. O., and Keene.)
Keeshin Motor Express Co. Inc. (See Fraser, Edwin J., assignor.)
Keller, Clarence C., Astoria, N. Y., and E. L. Canfield, Hillside, N. J., assignors to Holophane Company, Inc., New York, N. Y. Lamp. 2,076,032; Apr. 6.
Kelly, Thomas D., Wallington, England. Cast iron. 2,075,990; Apr. 6.
Kemmerer, Ralph R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 2,076,319; Apr. 6.
Kennedy, Edward, New York, N. Y. Pipe joint. 2,075,947; Apr. 6.
Kern, Fred M., Detroit, Mich. Temperature control device. 2,076,406; Apr. 6.
Kernan, Frank J., Newark, N. J. Tag. 2,076,149; Apr. 6.
Kerr, Samuel L., Philadelphia, and A. Greig, Upper Darby, Pa., assignors to Baldwin-Southwark Corporation. Valve and control therefor. 2,075,812; Apr. 6.
Kessler, Martin, East Cleveland, Ohio. Shock absorber. 2,075,991; Apr. 6.
Kidde, Walter & Company, Inc. (See Grant, Harry C., Jr., assignor.)
Kilgore, George R., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Magnetron. 2,075,855; Apr. 6.
King, Andrew, Penn Valley, Pa. Casting machine. 2,076,374; Apr. 6.
King, John M., Dover, N. J. Firing mechanism. 2,075,813; Apr. 6.
Kinney, Fay D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 2,076,432; Apr. 6.
Kinzel, Augustus B., Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Heat treating plane and unidimensional curved metallic surfaces. 2,076,515; Apr. 6.
Kirk, Cecil E., Woodsboro, assignor to Kirk Corporation, Houston, Tex. Flow bean. 2,076,465; Apr. 6.
Kirk Corporation. (See Kirk, Cecil E., assignor.)
Kirkpatrick, Martin S., San Antonio, Tex. Closure operating device. 2,075,814; Apr. 6.
Kitchen Aid Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
Klein, Arthur L., Los Angeles, assignor to The Northrop Corporation, Inglewood, Calif. Flap operating means. 2,076,150; Apr. 6.
Kliment, William P., assignor to Crane Co., Chicago, Ill. Valve handle. 2,076,151; Apr. 6.
Kloess, Armin J., Los Angeles, Calif. Vending machine. 2,076,299; Apr. 6.
Kniskern, Walter H., Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y. Phthalic anhydride recovery. 2,076,033; Apr. 6.
Knox, Harry A., Davenport, Iowa. Forming a volute spring. 2,075,815; Apr. 6.
Koerber, William G. (See Zimmerer, K. A., and Koerber.)
Koerber, William G., assignor to Karl A. Zimmerer Manufacturing Co., Inc., Detroit, Mich. Supplemental conductor for piping. 2,076,466; Apr. 6.
Kraft-Phenix Cheese Corporation. (See Clickner, Forest H., assignor.)
Krout, Walter C., Charlotte, N. C. Packaging laundry. 2,076,467; Apr. 6.
Kruckenberg, Franz, et al. (See Heyner, Fritz, assignor.)
Krudener, John C., Cliffside Park, assignor to Continental Folding Paper Box Co., Inc., Ridgefield, N. J. Cardboard box. 2,076,375; Apr. 6.
Krupp, Fried., Aktiengesellschaft. (See Roth, Adolf, assignor.)
Kurowski, Alfred G. F., Brooklyn, assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,076,152; Apr. 6.
Kuszmaul, Robert P., Indianapolis, Ind. Flush handle latch. 2,075,948; Apr. 6.
La Breck, Frank A., Eau Claire, Wis. Circumciser. 2,076,468; Apr. 6.
La Croix, Arthur J., assignor to Hyde Manufacturing Company, Southbridge, Mass. Straightedge. 2,076,300; Apr. 6.
Ladner, Alan W., Danbury, England, assignor to Radio Corporation of America. Cathode ray tube. 2,076,086; Apr. 6.
L'Air Liquide, Societe Anonyme pour l'Etude & l'Exploitation des Procedes Georges Claude. (See Sauvage, Henri, assignor.)

Lambert, Roger. (See George, H., and Lambert.)
Lampman, George W., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Engine mounting. 2,076,034; Apr. 6.
Lancaster Iron Works. (See Martin, James P., assignor.)
Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for inserting fastenings. 2,075,903; Apr. 6.
Lang, Gustave J., Longmeadow, and J. F. Martin and W. D. Crocker, Springfield, assignor to United American Bosch Corporation, Springfield, Mass. Ignition timer. 2,075,904; Apr. 6.
Langedijk, Siegfried L., and A. J. van Peski, Amsterdam, Netherlands, assignors, by mesne assignments, to Shell Development Company, San Francisco, Calif. Polymerization of unsaturated hydrocarbons. 2,076,201; Apr. 6.
Lapworth, Edward W., Dorchester, Mass. Weather strip. 2,076,433; Apr. 6.
Lar Rieu, Edmond A., Jr., Oakland, Calif. Paper holder for pencils. 2,076,035; Apr. 6.
Larroque, Joseph L., Rouen, France, assignor to Hookless Fastener Company. Top stop for separable fasteners. 2,076,501; Apr. 6.
Larsen, Clarence N., San Francisco, Calif. Tap dancing shoe. 2,075,905; Apr. 6.
Lathan Company, Inc. (See Christensen, Clarence A., assignor.)
Leake, James M., Toledo, Ohio. Lawn mower wheel. 2,076,344; Apr. 6.
Leavitt Machine Company, The. (See Albee, Hugh M., assignor.)
"L' Eclairage des Vehicules sur Rail". (See Bénit, Henri, assignor.)
Lehecka, Frank H., East Orange, N. J., and D. P. Steward, Westmont Borough, Pa. Monolithic track construction. 2,076,469; Apr. 6.
Leimer, John A., Chicago, Ill. Magazine pencil. 2,076,470; Apr. 6.
Leitz, Ernst, Jr., Wetzlar, assignor to E. Leitz, G. m. b. H., Wetzlar, Germany. Optical drilling tool. 2,075,856; Apr. 6.
Leitz, Ernst, G. m. b. H. (See Leitz, Ernst, Jr., assignor.)
Lemmon, Alexis W., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Trolley roller. 2,076,239; Apr. 6.
Lemon, Joseph R., assignor to Ex-Cell-O Aircraft & Tool Corporation, Detroit, Mich. Fuel injection system. 2,075,949; Apr. 6.
Leo, Albert S., Ontario, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Food product and preparation. 2,076,036; Apr. 6.
Leo Corporation. (See McKone, Leo J., assignor.)
Le Rose, Carl, West New York, N. J. Prepared beverage container. 2,076,132; Apr. 6.
Levy, Joseph, assignor to Century Lighting Equipment, Inc., New York, N. Y. Spot and floodlight projector apparatus. 2,076,240; Apr. 6.
Lewellen, Darcy E., and E. F. Lewellen, Columbus, Ind. Speed synchronizing device. 2,076,202; Apr. 6.
Lewellen, Emmons F. (See Lewellen, Darcy E., and E. F.)
Lewis, Robert R., Balwin, and A. J. Weiss, Mineola, assignors to Vulcan Proofing Company, New York, N. Y. Impression blanket. 2,076,376; Apr. 6.
Libby, McNeill & Libby. (See Hanson, James, assignor.)
Liberty Glass Company. (See Greenwood, James E., assignor.)
Licata, Francis J., New York, N. Y., assignor to National Oil Products Company, Harrison, N. J. Lubricating oil. 2,076,153; Apr. 6.
Liggett & Myers Tobacco Company. (See Gross, P. M., and Dixon, assignors.)
List, Rudolph G., Dorchester, Boston, Mass. Hair curling and waving device. 2,076,521; Apr. 6.
Lockwood, Frank B., Jr. (See Perthel, R., and Lockwood.)
Locomotive Finished Material Company, The. (See Muchnic, Henry E., assignor.)
Loef, Jakob, Moosburg, Germany. Hydraulic brake, especially for lifting trucks. 2,075,857; Apr. 6.
Loepsinger, Albert J., Providence, and H. E. Rose, Warwick, assignors to General Fire Extinguisher Company, Providence, R. I. Automatic sprinkler. 2,075,816; Apr. 6.
Loerke, Arthur W., Dayton, Ohio. Wing vortex reducer. 2,075,817; Apr. 6.
Loewenstein, Ludwig, Chicago, Ill. Apparatus for molding frozen confections. 2,076,377; Apr. 6.
Loewer, Alvin C., Baltimore, Md. Apparatus for checking the sprocket holes of motion picture films. 2,076,471; Apr. 6.
London, Bernard, New York, N. Y. Building construction. 2,076,472; Apr. 6.
London, Bernard, New York, N. Y. Building construction. 2,076,473; Apr. 6.
Long, Herbert J., assignor to United American Bosch Corporation, Springfield, Mass. Water heater. 2,076,087; Apr. 6.
Lookholder, Alex E., La Grange, Ill. Inner tube testing device. 2,076,037; Apr. 6.
Lorgnettes, Inc. (See Collander, Carl E. H., assignor.)
Losson, Wesley L. (See Goodman, W. B., and Losson.)
Lubcke, Harry R., Los Angeles, Calif. Television apparatus. 2,075,818; Apr. 6.
Luckie, Nell D., Coral Gables, Fla. Printing mechanism. 2,076,474; Apr. 6.
Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary printing press. 2,076,241; Apr. 6.
Luft, John H., Providence, R. I. Cravat holder. 2,076,154; Apr. 6.
Lux, Elisabeth, Dusseldorf-Heerdt, and J. Daniels, Essen-Rhur, Germany. Production of compact molded bodies from ceramic masses, concrete or the like. 2,075,992; Apr. 6.
Mabon, Carl R., Niagara Falls, N. Y., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y. Paper supply controlling attachment for typewriting machines and the like. 2,075,993; Apr. 6.
MacKenzie, William E., Oakland, Calif. Gas burning unit. 2,076,155; Apr. 6.
Mahoney, Arthur G. (See Drudy, M. F., Jr., and Mahoney.)
Mailländer, Willy, Stuttgart-Bad Cannstatt, Germany. Photogravure plate printing press. 2,076,203; Apr. 6.
Malinowski, Boleslaw, Buffalo, N. Y. Control mechanism for airplanes. 2,076,088; Apr. 6.
Mallory Hat Company, The. (See Reynolds, Ralph K., assignor.)
Malocsay, Francis X., Upper Saddle River, N. J., assignor to International Banding Machine Company. Banding and wrapping machine. 2,076,378; Apr. 6.
Malt-O-Matic Corporation of America. (See Bethancourt, J. A., Grabau, and Heilemann, assignors.)
Mandell, Irving F., North Quincy, Mass., assignor to Reinforced Paper Bottle Corporation, New York, N. Y. Closure for containers. 2,076,407; Apr. 6.
Manly, Fred G., Chicago, Ill. Full-swing crane. 2,075,819; Apr. 6.
Marchev, Alfred, La Grange, and C. C. McCain, Glen Ellyn, assignors to Ditto, Incorporated, Chicago, Ill. Duplicating device. 2,075,950; Apr. 6.
Marquis, Joseph A., Quebec, Quebec, Canada. Period computing device. 2,076,242; Apr. 6.
Marsden, Charles, Bombay Presidency, British India. Loom. 2,076,345; Apr. 6.
Marsden, William R., Brooklyn, N. Y. Caisson. 2,076,379; Apr. 6.
Marsh, Samuel L., assignor to M. Calm, New York, N. Y. Oil interceptor. 2,076,380; Apr. 6.
Marshall, William and D. A. Fryer, assignors to Briggs Manufacturing Company, Detroit, Mich. Collapsible top for automobiles. 2,076,243; Apr. 6.
Martin, James, Maple, Ontario, Canada. Grave marker. 2,075,859; Apr. 6.
Martin, James P., assignor to Lancaster Iron Works, Lancaster, Pa. Brick grab. 2,076,204; Apr. 6.
Martin, John F. (See Lang, G. J., Martin, and Crocker.)
Martin, Wilfred S. (See Snoddy, A. O., and Martin.)
Mariz, John E. (See Brown, Jesse B., assignor.)
Maschinenfabrik Augsburg-Nurnberg A. G. (See Kahllenberger, Wilhelm, assignor.)
Massey-Harris Company. (See Johnston, Howard M., assignor.)
Matlack, John. (See Camerota, L. A., and Matlack.)
Matta, Andrew, Donora, Pa. Ladle stopper. 2,076,475; Apr. 6.
Mattick, Ralph, assignor to General Metal Products Company, St. Louis, Mo. Case partition. 2,076,408; Apr. 6.
Maude, Aylmer H., Collinsville, Ill. Conductor. 2,075,906; Apr. 6.
Mayfield, Thomas H., Roby, Tex. Cultivator standard. 2,076,205; Apr. 6.
McCabe, Ira E., Chicago, Ill. Electric control. 2,075,951; Apr. 6.
McCain, Cecil C. (See Marchev, A., and McCain.)
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 2,076,318; Apr. 6.
McClure, Jay D., South Bend, Ind., assignor of one-fourth to F. W. Putnam; one-fourth to O. J. Garner, and one-fourth to C. H. Kaysen, all of South Bend, Ind. Game counter. 2,076,409; Apr. 6.
McCollum, Andrew O., assignor to Hydraulic Brake Company, Detroit, Mich. Ironing machine. 2,076,346; Apr. 6.
McDonough, Everett G., Mount Vernon, assignors to Zotos Corporation, New York, N. Y. Hair waving pad. 2,076,156; Apr. 6.
McGeachy, James A. (See Wood, A. B., Smith, and McGeachy.)
McGerry, James J., assignor to Automatic Musical Instrument Company, Grand Rapids, Mich. Massage instrument. 2,076,410; Apr. 6.
McIntosh, Roy E., New York, assignor to R. E. Ogden, Mountainville, N. Y. Expansion bolt. 2,075,952; Apr. 6.
McKay, John J., Willowdale, Nova Scotia, Canada. Making gasket strips. 2,075,858; Apr. 6.
McKeown, Samuel C. (See Van Deventer, H. R., and McKeown.)

McKinney, Carlos J., Detroit, Mich., assignor of one-half to J. S. Reid, Shaker Heights, Ohio. Striker plate for door latch bolts. 2,075,820; Apr. 6.
McKone, Leo J., Detroit, assignor to Leo Corporation, Chicago, Ill. Spark plug. 2,076,038; Apr. 6.
McLarn, Ernest S., Manhasset, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone set. 2,076,244; Apr. 6.
McLaud, Olin R., Elmira, N. Y., and E. B. Stewart, assignors to Western Casket Hardware Co., Elgin, Ill. Casket decoration. 2,076,434; Apr. 6.
McLister, Frank. (See Grantonic, John J., assignor.)
McMillan, Hugh P., Baltimore, Md. Brush. 2,075,907; Apr. 6.
Mehaffie, Hugh F., assignor to The Wigginton Company, Kalamazoo, Mich. Voltage tester. 2,075,860; Apr. 6.
Melby, Peter E., Des Moines, Iowa. Coat hanger attachment. 2,076,133; Apr. 6.
Metal Finishing Research Corporation. (See Michaud, Martin L., assignor.)
Metropolitan Device Corporation. (See Bay, Charles A., assignor.)
Meyer, Gerhard, assignor to The Technicraft Engineering Corp., Los Angeles, Calif. Multiple ring packer. 2,076,301; Apr. 6.
Meyers, David C., Ithan, Pa. Seat. 2,075,821; Apr. 6.
Michaud, Martin L., assignor to Metal Finishing Research Corporation, Detroit, Mich. Heat resisting finish. 2,076,183; Apr. 6.
Michigan Steel Tube Products Company. (See Berg, Richard O., and S., assignors.)
Mid-States Gummed Paper Co. (See Humphner, Ferdinand W., assignor.)
Miller, Charles H. (See Sherrick, P., and Miller.)
Miller, Harold B., Minneapolis, Minn. Alarm system. 2,075,822; Apr. 6.
Miller, Henry W. (See Epstein, L., and Miller.)
Miller, Russel, Ioco, British Columbia, Canada. Drill bit guide. 2,076,039; Apr. 6.
Miller, Sherman, Schenectady, assignor to American Locomotive Company, New York, N. Y. Railway vehicle coupler device. 2,075,953; Apr. 6.
Millner, Theodore, Ujpest, and P. Túry, Budapest, Hungary, assignors to General Electric Company. Manufacturing metal bodies. 2,076,381; Apr. 6.
Milner, Wilfred R. (See Kane, F. H., and Milner.)
Minneapolis-Honeywell Regulator Company (See Seepe, Paul E., assignor.)
Minns, Richard J., Renhold, England. Supply means for tanks and other receptacles. 2,075,994; Apr. 6.
Minton, Ogden, Greenwich, Conn. Heating, lighting, and power system. 2,076,382; Apr. 6.
Mississippi Valley Trust Company, executor, et al. (See Shelton, William G.)
Mitchell, John H. (See Warren, H. W. H., Davies, and Mitchell.)
Monier, Francis. (See Seignol, E., and Monier.)
Moore, Alvin I. (See Morse, J. W., Moore, and Phillips.)
Moore, Milburn, Brooklyn, assignor of one-half to C. F. Gailor, New York, N. Y. Rail grinder. 2,076,089; Apr. 6.
Mores, John, Millsboro, Pa. Aerial mail catcher. 2,076,476; Apr. 6.
Morgan, John D., et al. (See Wiley, Joe, assignor)
Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Gearing and method of conditioning the same. 2,075,995; Apr. 6.
Morris, Mann & Reilly, Inc. (See Felmann, Henri, assignor.)
Morse, James W., A. I. Moore, and C. S. Phillips, Lansing, Mich., assignors to Food Machinery Corporation, San Jose, Calif. Automobile wheel aligning apparatus. 2,076,347; Apr. 6.
Moscini, John, assignor to Chico Rhinestone Company, Incorporated, Chico, Calif. Rhinestone making machine. 2,076,502; Apr. 6.
Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Piston member. 2,076,302; Apr. 6.
Mueller, William A., Hollywood, Calif., assignor to United Research Corporation, Long Island City, N. Y. Regulating balance between currents in associated circuits. 2,075,861; Apr. 6.
Mullen, Edwin J., New Rochelle, N. Y., and C. A. Gallagher, California, Pa., assignors to General Chemical Company, New York, N. Y. Production of sulphur dioxide. 2,075,823; Apr. 6.
Muller, Ernst F., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Tamping machine. 2,076,245; Apr. 6.
Müller, Max, assignor to the firm Durand & Huguenin S. A., Basel, Switzerland. Mordant azodyestuffs and their production. 2,076,477; Apr. 6.
Murray Corporation of America, The. (See Graebner, O. F., and Haberstump, assignors.)
Musher Foundation Incorporated. (See Musher, Sidney, assignor.)
Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Organic materials stabilized by antioxidant from grains and cereals. 2,075,824; Apr. 6.
Mussey, William H., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Articulated car. 2,076,503; Apr. 6.
Myers, George F., New York, N. Y. Propeller. 2,076,090; Apr. 6.
Myers, James E., Whitefish Bay, Wis. Humidifier. 2,075,862; Apr. 6.
N. V. Machinerieen-en apparaten Fabrieken "Meaf". (See Dällenbach, Walter, assignor.)
Nafash, Morris S., Union City, N. J., assignor to Cesare Barbieri, New York, N. Y. Cyclic process of producing amines of saturated hydrocarbons. 2,075,825; Apr. 6.
Nalbach, John R. (See Whitehead, Dean H., assignor.)
Nash, Arthur E., assignor to Alcorn Combustion Company, Philadelphia, Pa. Heat transfer apparatus and refractory wall structure therefor. 2,075,863; Apr. 6.
National Colortype Company, The. (See Ryder, Charles D., assignor.)
National Gypsum Company. (See Venzie, Frederick M., assignor.)
National Oil Products Company. (See Licata, Francis J., assignor.)
National Oil Products Company. (See Segessemann, Ernest, assignor.)
Neat, Frank U., assignor to Jefferson Island Salt Company, Louisville, Ky. Method of and apparatus for dissolving material. 2,076,478; Apr. 6.
Neebe, Lawrence L. (See Glaenzer, H., and Neebe.)
Nelson, Albert C., Flushing, N. Y., assignor to Westinghouse X-Ray Company, Inc. X-ray tilt table. 2,076,246; Apr. 6.
Nelson, L. R., Manfg. Co. (See Nelson, L. R., and Armstrong, assignor.)
Nelson, Lewen R., and C. C. Armstrong, Peoria, said Armstrong assignor to L. R. Nelson Manfg. Co., Peoria, Ill. Valve. 2,076,411; Apr. 6.
Nelson, Nels H., Dayton, Ohio. Machine and method for use in binding paper pads. 2,076,435; Apr. 6.
Nelson, Nels H., Dayton, Ohio. Machine and method for the marginal notching of paper sheets. 2,076,436; Apr. 6.
Nesfield, Arthur G., Fetcham, Leatherhead, England. Controlling device for operating a plurality of reciprocating members. 2,076,247; Apr. 6.
News Syndicate Co. Inc. (See Friess, Gustave A., assignor.)
New York Air Brake Company, The. (See Safford, Lewis A., assignor.)
Nickel, George A. (See Engelhardt, E. E., and Nickel.)
Nolan, John R., Larchmont, N. Y. Machine for attaching wires to floral sticks or the like. 2,075,826; Apr. 6.
Nordisk Insulinlaboratorium. (See Hagedorn, H. C., Jensen, and Wodstrup-Nielsen, assignors.)
Norquist, Victor C., assignor to Butler Manufacturing Company, Kansas City, Mo. Hair drying apparatus. 2,076,040; Apr. 6.
Northrop Corporation, The. (See Klein, Arthur L., assignor.)
Northrop, John K., Los Angeles, and H. M. Gesner, Inglewood, Calif. Anchor. 2,075,827; Apr. 6.
Norton Company. (See Johnson, Arnold L., assignor.)
Norton, Edward L., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,076,248; Apr. 6.
Noyes, Maxwell E., Mt. Lebanon, assignor to Aluminum Company of America, Pittsburgh, Pa. Electrical conductor. 2,075,996; Apr. 6.
Ochsner, Jakob, Zurich, Switzerland. Vehicle for collecting refuse. 2,076,504; Apr. 2.
O'Connell, Daniel J., assignor to O'Connell's, Inc., Chicago, Ill. Automatic toaster. 2,076,479; Apr. 6.
O'Connell's, Inc. (See O'Connell, Daniel J., assignor.)
Ogden, Ralph E. (See McIntosh, Roy E., assignor.)
Ohio Rubber Company, The. (See Duryee, Gerald F., assignor.)
Oil Engine Development Company. (See Cummins, Clessie L., assignor.)
Oldham, John M., assignor to L. A. Young, Detroit, Mich. Making golf balls. 2,076,412; Apr. 6.
O'Neill, William L., assignor, by mesne assignments, to A. R. Shannon, Chicago, Ill. Oven. 2,076,091; Apr. 6.
Ortner, Joseph L. (See Smith, Richard D., assignor.)
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 2,075,954; Apr. 6.
Ostertag, Harry M., assignor to Paper Patents Company, Neenah, Wis. Belt guide. 2,076,413; Apr. 6.
Othmer, Donald F., Brooklyn, N. Y., assignor to Tennessee Eastman Corporation, Kingsport, Tenn. Dehydration of acetic acid and other lower fatty acids. 2,076,184; Apr. 6.
Ottinger, Leon, New York, N. Y. Handle and latch mechanism. 2,075,829; Apr. 6.
Pacific Mills. (See Boardman, Robert H., assignor.)
Packard Motor Car Company. (See Griswold, Walter R., assignor.)
Packers Supply Company Limited. (See Hall, Thomas E., assignor.)
Panagopoulos, John, Youngstown, Ohio. Coil cleaning machine. 2,076,414; Apr. 6.
Pan American Petroleum Corporation. (See Williams, Richard Z., assignor.)
Paper Patents Company. (See Ostertag, Harry M., assignor.)

Paper Service Company, The, et al. (See Spafford, Allen L., assignor.)
Parke, Helen W., Sioux Falls, S. Dak. Belt buckle. 2,076,249; Apr. 6.
Parsons, Raymond V., assignor to Johns-Manville Corporation, New York, N. Y. Wall assembly. 2,075,955; Apr. 6.
Partman, Anton, and A. Plihcik, Jr., New York, N. Y. Station announcer and advertising medium. 2,076,206; Apr. 6.
Partsch, Frank W., Jackson Heights, assignor to J. O. Ross Engineering Corporation, New York, N. Y. Apparatus for the drying of paper or fabrics. 2,076,415; Apr. 6.
Paul, John E., Newark, N. J., assignor to United States Radium Corporation. Self luminous instrument. 2,075,864; Apr. 6.
Pawiek, Franz, Berlin-Niederschoneweide, and O. Dahl, Berlin-Friedenau, Germany, assignors to General Electric Company. Improving the magnetic properties of silicon steel. 2,076,383; Apr. 6.
Payne, Edward B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave translating system. 2,075,956; Apr. 6.
Payne, Edward B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave translating device. 2,075,957; Apr. 6.
Payne, Ernest, assignor to Central Screw Company, Chicago, Ill. Screw. 2,076,041; Apr. 6.
Payton, V. W. (See Bowden, Robert, assignor.)
Penick, Arthur J. and K. T., Houston, Tex. Pressure fluid operable blow-out preventer. 2,076,042; Apr. 6.
Penick, Kirby T. (See Penick, Arthur J. and K. T.)
Perkins, Clyde W., and P. M. Van Osten, Parkdale, Oreg. Fisherman's fly box. 2,076,157; Apr. 6.
Permutit Company, The. (See Bruce, William M., assignor.)
Permutit Company, The. (See Pick, Eric, assignor.)
Perthel, Robert, Nutley, and F. B. Lockwood, Jr., Clifton, N. J. Battery electrolyte indicator. 2,076,384; Apr. 6.
Petersen, Carl M., Morrisville, Pa. Circuit control device. 2,076,385; Apr. 6.
Petersen, Olaf G., Somerset, Ky. Shaker screen suspension and operation. 2,076,348; Apr. 6.
Pflasterer, George R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 2,076,320; Apr. 6.
Philadelphia Drying Machinery Company, The. (See Sibson, W. W., and Belcher, assignors.)
Phillips, Charles S. (See Morse, J. W., Moore, and Phillips.)
Phillips, Elwood C., Evanston, Ill. Motor starter. 2,075,865; Apr. 6.
Phillips Petroleum Company. (See Youker, Malcolm P., assignor.)
Pick, Eric, assignor to The Permutit Company, New York, N. Y. Plural valve actuation and control. 2,076,321; Apr. 6.
Pick, Eric, assignor to The Permutit Company, New York, N. Y. Water filter battery control. 2,076,322; Apr. 6.
Piggott, Henry A., Blackley, assignor to Imperial Chemical Industries Limited, Westminster, England. Quaternary ammonium compounds and preparing the same. 2,075,958; Apr. 6.
Pikul, Joseph H., assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread pull-off device for buttonhole sewing machines. 2,076,185; Apr. 6.
Pinard, Antoine B., San Jose, Calif. Gate. 2,076,092; Apr. 6.
Pirelli-General Cable Works Limited. (See Horley, Robert E., assignor.)
Plaskor Company Inc. (See Curs, A., and Wolf, assignors.)
Plihcik, Andrew, Jr. (See Partman, A., and Plihcik.)
Popham, Audrey J. (See Heald, G. W., and Popham.)
Porter, Howard C., La Grange Park, assignor to Signode Steel Strapping Company, Chicago, Ill. Package banding tool. 2,076,276; Apr. 6.
Porter, John M., and G. H. Way, Elizabeth, N. J., assignors, by mesne assignments, to American Cyanamid & Chemical Corporation. Gypsum-board. 2,076,349; Apr. 6.
Powell, Laurence C., Portsmouth, Va. Distortion check for welding apparatus. 2,076,207; Apr. 6.
Powers, Donald H., Moorestown, N. J., and H. W. Stiegler, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Mercerizing assistants. 2,076,303; Apr. 6.
Pratt, Lucy T. (See Carlson, Johan A., assignor.)
Pressure Generators, Inc. (See Hutto, Marsden C., assignor.)
Previti, Charles S., Sayville, N. Y. Windshield wiper. 2,075,959; Apr. 6.
Procter & Gamble Company, The. (See Snoddy, A. O., and Martin, assignors.)
Protsman, Willard C., Lansing, Iowa. Button machine saw filing device. 2,076,129; Apr. 6.
Pullman-Standard Car Manufacturing Company. (See Mussey, William H., assignor.)
Putnam, Frank W., et al. (See McClure, Jay D., assignor.)
Pym, Arthur F., executor. (See Pym, Charles F.)
Pym, Charles F., deceased, late of Beverly, by A. F. Pym, Swampscott, Mass., executor, assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and means for use in the manufacture of shoes. 2,075,908; Apr. 6.
Rackett, Gerald F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Shutter drive. 2,075,909; Apr. 6.
Radasch, Arthur H., Bloomfield, and W. M. Bywater, Weehawken, N. J., assignors to The Barrett Company, New York, N. Y. Treatment of tar. 2,075,866; Apr. 6.
Radio Corporation of America. (See Beverage, Harold H., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Dyksterhuis, P. R., and von Slooten, assignors.)
Radio Corporation of America. (See Kilgore, George R., assignor.)
Radio Corporation of America. (See Ladner, Alan W., assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Turner, Alfred H., assignor.)
Radio Corporation of America. (See Vance, Arthur W., assignor.)
Read Machinery Company. (See Eades, John A., assignor.)
Reece Button Hole Machine Company, The. (See Pikul, Joseph H., assignor.)
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Roller cutter, spindle and bearing assembly for earth boring drills. 2,075,997; Apr. 6.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Roller cutter assembly for earth boring drills. 2,075,998; Apr. 6.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Roller cutter and antifriction bearing assembly for earth boring drills. 2,075,999; Apr. 6.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Roller cutter and antifriction bearing assembly for earth boring drills. 2,076,000; Apr. 6.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Roller cutter spindle and antifriction assembly. 2,076,001; Apr. 6.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Antifriction bearing assembly for earth boring drills. 2,076,002; Apr. 6.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Earth boring drill. 2,076,003; Apr. 6.
Reed Propeller Co. (See Chilton, Roland, assignor.)
Reed Propeller Co, The. (See Shebat, Herbert V., assignor.)
Rees, Thomas J., Reno, Nev. Prime mover. 2,076,480; Apr. 6.
Reeve, Archie C., Hounslow, England. Container and dispensing device for powdered soap and the like. 2,076,323; Apr. 6.
Reichel, George F., Milwaukee, Wis. Parlor baseball game. 2,075,960; Apr. 6.
Reichenberger, Benedict F., Maricopa County, Ariz. Portable vegetable packing bin. 2,075,961; Apr. 6.
Reid, James S. (See McKinney, Carlos J., assignor.)
Rein, Herbert, Leipzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacturing polyvinyl derivatives containing nitrogen. 2,076,130; Apr. 6.
Rein, Herbert, Leipzig, assignor to I. G. Farbenindustrie Aktiengeselischaft, Frankfort-on-the-Main, Germany. Manufacturing polyvinyl derivatives containing nitrogen. 2,076,131; Apr. 6.
Reinforced Paper Bottle Corporation. (See Mandell, Irving F., assignor.)
Reinhart, Ralph, Peninsula, Ohio. Apparatus for refrigerating. 2,076,277; Apr. 6.
Remmers, Walter E., and K. L. Scott, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Making ferro-magnetic alloys. 2,076,250; Apr. 6.
Republic Flow Meters Company. (See Spitzglass, Albert F., assignor.)
Reutter, Frederick R., assignor to Scovill Manufacturing Company, Waterbury, Conn. Cap for containers and the like and producing the same. 2,076,158; Apr. 6.
Reynolds Manufacturing Company, The. (See Reynolds, W. G., and Schubach, assignors.)
Reynolds Metals Company. (See Suter, W. P., and Tice, assignors.)
Reynolds, Ralph K., assignor to The Mallory Hat Company, Danbury, Conn. Method and apparatus for hat sizing. 2,076,093; Apr. 6.
Reynolds, Wellington G., and G. Schubach, assignors to The Reynolds Manufacturing Company, Holyoke, Mass. Elevating table. 2,076,186; Apr. 6.
Reynolds, William J. (See Hartley, G. C., and Reynolds.)

Reynolds Wire Co. (See Thompson, Herbert L., assignor.)
Richter, Herbert H., Houston, Tex. Freezing tray. 2,076,208; Apr. 6.
Richter, Herman W., assignor to George O. Jenkins Company, Bridgewater, Mass. Making leatherboard. 2,076,159; Apr. 6.
Riley Stoker Corporation. (See Armour, J W, and Andrews, assignors.)
Ringseis, Ralph A., San Francisco, Calif. Keyhole guide. 2,076,004; Apr. 6.
Rippel, Albert F., Greenwich, Conn. Desk pad clip. 2,076,094; Apr. 6.
Riszdorfer, Ödön, Budapest, Hungary. Photographic camera for determining the exposures. 2,076,481; Apr. 6.
Riszdorfer, Ödön, Budapest, Hungary. Photographic apparatus. 2,076,482; Apr. 6.
Road Striping, Inc. (See Hollingshead, Everett H., assignor.)
Roan Mfg. Co. (See Jorgenson, Arthur P., assignor.)
Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Discharger for centrifugal machines. 2,076,516; Apr. 6.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Multirange radio receiver. 2,075,962; Apr. 6.
Roble, Norman P., Washington, D. C., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Manufacture of abrasive articles. 2,076,517; Apr. 6.
Robinson, Archie D., Westfield, Mass. Pen. 2,075,828; Apr. 6.
Robinson, Ernest Y., Lymm, England, assignor to Associated Electrical Industries Limited. Thermionic cathode. 2,075,910; Apr. 6.
Robinson, Garland P., Glen Ridge, N. J., assignor to American Locomotive Company, New York, N. Y. Staybolt assemblage and cap therefor. 2,076,160; Apr. 6.
Robinson, Jack, East Alton, Ill., and V. Voorhees, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Wax crystallization. 2,076,161; Apr. 6.
Rockola, David C., assignor to Rock-Ola Manufacturing Company, Chicago, Ill. Antitilting device. 2,076,251; Apr. 6.
Rock-Ola Manufacturing Company. (See Rockola, David C., assignor.)
Röhm & Haas Company (See Powers, D. H., and Stiegler, assignors.)
Rolls, Oscar, Honefoss, Norway. Device for observing the operation of press rolls. 2,076,095; Apr. 6.
Roosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation. 2,076,351; Apr. 6.
Roques, Louis, assignor to Louis Roques and Georges Arrachequesne, Paris, France. Elastic fabric with one or more inextensible zones. 2,076,350; Apr. 6.
Roques, Louis, and Georges Arrachequesne. (See Roques, Louis, assignor.)
Rose, David G. (See Doherty, D. L., and Rose.)
Rose, Herbert E. (See Loepsinger, A. J., and Rose.)
Ross, Charles, Sands, Mich. Glazier's tool. 2,076,134; Apr. 6.
Ross, J. O., Engineering Corporation. (See Partsch, Frank W., assignor.)
Rost van Tonningen, Johannes H. W., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Manufacturing gasoline by distillation. 2,076,214; Apr. 6.
Roth, Adolf, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Internal combustion engine 2,075,911; Apr. 6.
Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Solderless wire connecter. 2,076,209; Apr. 6.
Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Sprinkler head for automatic sprinkler systems. 2,076,483; Apr. 6.
Royal Electric Company. (See Goodwin, George R., assignor.)
Roye, Richard T., assignor to Gray Tool Company, Houston, Tex. Packer. 2,075,912; Apr. 6.
Rust, Edwin G, Sioux City, Iowa. Ice cream disher. 2,076,416; Apr. 6.
Ruth, John P., New York, N. Y., assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric switch. 2,076,162; Apr. 6.
Ryan, William M. (See Ryan, W. M., and Bold, assignors.)
Ryan, William M., and J. W. Bold, Brooklyn, assignors to Ryan Coffee Corporation, New York, N. Y. Mixer. 2,076,163; Apr. 6.
Ryde, John W., and J. Cates, London, England, assignors to General Electric Company. Electric discharge device. 2,076,278; Apr. 6.
Ryder, Charles D., Covington, assignor to The National Colortype Company, Bellevue, Ky. Light reflecting means. 2,076,043; Apr. 6.
Ryder, Charles D., Covington, assignor to The National Colortype Company, Bellevue, Ky. Light reflecting means. 2,076,044; Apr. 6.
Rydquist, Adolph, assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Mounting for grip cords. 2,076,417; Apr. 6.
Sacks, Paul E, Cedar Grove, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Oil tight flange for shockproof X-ray units. 2,076,252; Apr. 6.
Safford, Lewis A., Watertown, assignor to The New York Air Brake Company, New York, N. Y. Piston ring. 2,076,164; Apr. 6.
Saint Germain, Jacques M., Paris, France, assignor to General Electric Company. Electric circuit interrupter. 2,076,352; Apr. 6.
Salerni, Piero M. (See Boldt, W. F., and Thomas, assignor.)
Salmona, Riccardo. (See Salvoni, Ippolito, assignor.)
Salvoni, Ippolito, assignor of forty-four per cent to R. Salmona and twelve per cent to E. Q. Jackson, New York, N. Y. Combination water closet and bidet. 2,075,830; Apr. 6.
Sampel, Henri, Burbank, Calif. Cement gun nozzle. 2,075,867; Apr. 6.
Samson-United Corporation. (See Samuels, A. O., and Keene, assignors.)
Samstag, Louis A., New York, N. Y. Vanity case construction. 2,076,353; Apr. 6.
Samuels, Abe O., and A. D. Keene, assignors to Samson-United Corporation, Rochester, N. Y. Electric percolator. 2,076,096; Apr. 6.
Sanchez, Pedro, Buffalo, N. Y. Bleaching compound. 2,075,913; Apr. 6.
Sanford, Hugh W., Knoxville, Tenn. Bottom dump apparatus with sloping discharge walls. 2,076,005; Apr. 6.
Sargent, E. H., & Co. (See Sherrick, P., and Miller, assignors.)
Sauvage, Henri, assignor to l'Air Liquide, Societe Anonyme pour l'Etude & l'Exploitation des Procedes Georges Claude, Paris, France. Liquid oxygen explosive. 2,076,279; Apr. 6.
Schaefer, August G., assignor to Spencer Thermostat Company, Attleboro, Mass. Thermostatically controlled gas valve. 2,076,045; Apr. 6.
Schafer, John V., assignor to Bronson Reel Company, Bronson, Mich. Fishing reel. 2,076,097; Apr. 6.
Schaffert, Adolf H., assignor to Truscon Steel Company, Youngstown, Ohio. Air cushion joint. 2,076,505; Apr. 6.
Schaffler-Glössl, Konrad, Vienna, Austria. Blasting equipment. 2,076,512; Apr. 6.
Schaum, Otto W, Philadelphia, Pa. Garment press. 2,076,165; Apr. 6.
Schering-Kahlbaum A.-G. (See Schoeller, W., and Hildebrandt, assignors.)
Schering-Kahlbaum A. G. (See Schoeller, W., Hildebrandt, and Schwenk.)
Schjolin, Eric O., Pontiac, assignors to General Motors Corporation, Detroit, Mich. Engine mounting. 2,076,046; Apr. 6.
Schlegel Manufacturing Company, The. (See Rydquist, Adolph, assignor.)
Schlumbhom, Peter, New York, N. Y. Device for cooling or warming a liquid. 2,075,831; Apr. 6.
Schneider, Wilhelm. (See Bechmann, R., and Schneider.)
Schoch, Alexandre. (See Jonneret, F., and Schoch.)
Schoeller, Walter, Berlin-Westend, F. Hildebrandt, Hohen Neuendorf near Berlin, Germany, and E. Schwenk, New York, N. Y., assignors to Schering-Kohlbaum A. G., Berlin, Germany. Germinal gland hormon derivatives of the formula $C_{18}H_{28}O_2$ and making same. 2,075,868; Apr. 6.
Schoeller, Walter, Berlin-Westend, and F. Hildebrandt, Hohen Neuendorf near Berlin, assignors to Schering-Kahlbaum A.-G., Berlin, Germany. Saturated alcohols of the cyclopentano phenanthrene series, and producing the same. 2,076,098; Apr. 6.
Schrauth, Walther, Berlin-Dahlem, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A. G., Zurich, Switzerland. Obtaining higher molecular alcohols. 2,075,963; Apr. 6.
Schroeder, Simon E., Chicago, Ill. Agitating mechanism. 2,076,280; Apr. 6.
Schubach, Gustave. (See Reynolds, W. G., and Schubach.)
Schwenk, Erwin. (See Schoeller, W., Hildebrandt, and Schwenk.)
Scott, Kenneth L. (See Remmers, W. E., and Scott.)
Scott, William C., Chicago, Ill. Brake leverage structure. 2,076,047; Apr. 6.
Scovill Manufacturing Company. (See Reutter, Frederick R., assignor.)
Seelman, John J., Milwaukee, Wis. Collapsible tube carton. 2,076,048; Apr. 6.
Seepe, Paul E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heating system. 2,076,518; Apr. 6.
Segessemann, Ernest, Newark, assignor to National Oil Products Company, Harrison, N. J. Substituted sulphonic acids of high wetting, dispersing, and emulsifying power and producing the same. 2,076,166; Apr. 6.
Seignol, Edonard, and F. Monier, Paris, France, assignors to Société Auxillaire pour le Developpement d'Industrie Mecaniques S. A. D. I. M. Geneva, Switzerland. Carburetor. 2,076,354; Apr. 6.

Seitz, Georg H., Bad Kreuznach, Germany. Sheet filter. 2,076,049; Apr. 6.
Seligman, David A., New York, N. Y. Weather stripping. 2,075,832; Apr. 6.
Selz, Charles, New York, N. Y., assignor to Telegralight Corporation. Television. 2,076,253; Apr. 6.
Semon, David E., St. Pauls, N. C., assignor of one-half to C. F. Cole, Richmond, Va. Antifreeze device for motor vehicles. 2,076,324; Apr. 6.
Senn, Otto, assignor to firm Chemical Works, formerly Sandoz, Basel, Switzerland. Green monoazo dyestuffs and their manufacture. 2,076,484; Apr. 6.
Servel, Inc. (See Andersson, Sven W. E., assignor.)
Shannon, Angus R. (See O'Neill, William L., assignor.)
Sharples Specialty Company, The. (See Jones, Leo D., assignor.)
Shebat, Herbert V., Little Falls, N. J., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y. Bearing. 2,076,254; Apr. 6.
Shell Development Company. (See Langedijk, S. L., and van Peski.)
Shell Development Company. (See Rost van Tonningen, Johannes H. W., assignor.)
Shell Development Company. (See Straatman, Alphons G. H., assignor.)
Shell Development Company. (See van de Griendt, Gerald H., assignor.)
Shelton, Richard T., executor et al. (See Shelton, William G.)
Shelton, W. G., Company. (See Shelton, William G., assignor.)
Shelton, William G., deceased, St. Louis, Mo., R. T. Shelton, L. E. Sherwood, and Mississippi Valley Trust Company, executors, assignors to W. G. Shelton Company, St. Louis, Mo. Heating pad. 2,076,050; Apr. 6.
Sherman, Albert, Hampton, Va. Rear sight for guns. 2,076,006; Apr. 6.
Sherrick, Paul, and C. H. Miller, assignors to E. H. Sargent & Co., Chicago, Ill. Power circuit. 2,075,869; Apr. 6.
Sherwood, Lester, et al., executors. (See Shelton, William G.)
Sibson, Walter W., and H. H. Belcher, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Conveyer. 2,076,506; Apr. 6.
Sickmon, Clive H., Springfield, Mass., assignor to The Diamond Match Company, Wilmington, Del. Carrier for match booking machines. 2,076,386; Apr. 6.
Signode Steel Strapping Company. (See Porter, Howard C., assignor.)
Simplex Valve and Meter Company. (See Borden, Moro M., assignor.)
Singer Manufacturing Company, The. (See Eames, George M., assignor.)
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,075,870; Apr. 6.
Smiley, John B. (See Foster, Robert B., assignor.)
Smith, Bessie L., Avon Park, Fla. Portable packing bench. 2,075,853; Apr. 6.
Smith, Charles N., University City, Mo., H. G. Smith, Evansville, Ind., and C. A. Bauer, Springfield, Mass., assignors to Hoosier Lamp & Stamping Corporation, Evansville, Ind. Refrigerator shelf. 2,076,099; Apr. 6.
Smith, Francis E., Verdon, Nebr. Paper box opener. 2,076,007; Apr. 6.
Smith, Frank L., Olean, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treating petroleum products. 2,075,871; Apr. 6.
Smith, Frederick D. (See Wood, A. B., Smith, and McGeachy.)
Smith, George C., Hamilton, Ontario, Canada. Ignition device for gas burners. 2,076,418; Apr. 6.
Smith, Harry G. (See Smith, Charles N., H. G., and Bauer.)
Smith, Joshua M., Houston, Tex., assignor to Standard Oil Development Company. Improving the knock rating of motor fuel by distillation. 2,076,519; Apr. 6.
Smith, Lewis R. (receiver of Apco Mossberg Corporation). (See Jackson, Alfred F., assignor.)
Smith, Richard D., Andover, Va., assignor to J. L. Ortner, Cincinnati, Ohio. Safety mechansim for railway car brake riggings. 2,076,325; Apr. 6.
Smith, Warren H., Lake Orion, Mich. Stave silo. 2,075,872; Apr. 6.
Smith, William A., Sr., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 2,076,355; Apr. 6.
Smythe, Paul H., Jr., Evanston, Ill. Automatic phonograph apparatus. 2,076,255; Apr. 6.
Snoddy, Arnon O., and W. S. Martin, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Making sulphuric acid esters of unsaturated alcohols. 2,075,914; Apr. 6.
Snoddy, Arnon O., and W. S. Martin, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Preparing wetting, sudsing, emulsifying, and detergent agents. 2,075,915; Apr. 6.
Société Anonyme des Anciens Etablissements L. Chambon. (See Chambon, Henri, assignor.)
Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See George, H., and Lambert, assignors.)
Société Auxiliaire pour le Developpement d'Industries Mecaniques S. A. D. I. M. (See Seignol, E., and Monier, assignors.)
Society of Chemical Industry in Basle. (See Albrecht, Otto, assignor.)
Society of Chemical Industry in Basle. (See Gams, A., Frey, and Sutter, assignors.)
Socony-Vacuum Oil Company. (See Smith, Frank L., assignor.)
Soloman, Arthur, Buffalo, and W. J. Bancroft, Williamsville, N. Y. Window. 2,075,834; Apr. 6.
Solvay Process Company, The. (See Hayes, J. W., and Kalifelz.)
Solvay Process Company, The. (See Kniskern, Walter H., assignor.)
Somers, Richard M. (See Dunning, O. M., and Somers.)
Spafford, Allen L., Cloquet, Minn., assignor of one-half to Wood Conversion Company, Cloquet, Minn., and one-half to The Paper Service Company, Cincinnati, Ohio. Coated paper or sheet. 2,075,835; Apr. 6.
Spafford, Allen L., Cloquet, Minn., assignor to The Paper Service Company, Cincinnati, Ohio. Manufacture of coated sheet. 2,075,836; Apr. 6.
Spencer, Lloyd. (See Wells, W. T., Barnes, and Spencer.)
Spencer Thermostat Company. (See Schaefer, August G., assignor.)
Sperry, Joseph A. (See Huffman, Howard, assignor.)
Spitzglass, Albert F., assignor to Republic Flow Meters Company, Chicago, Ill. Instrument. 2,076,100; Apr. 6.
Sprenger, George W. (See Hottenroth, F. W., Jr., Blanchard, and Sprenger.)
Stadtfeld, Jacob A., San Francisco, Calif., assignor to Williams-Wallace Company. Composite pipe construction. 2,076,210; Apr. 6.
Stahl, Frank E., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Clamping buckle. 2,076,008; Apr. 6.
Staley, A. E., Manufacturing Company. (See French, Arthur H., assignor.)
Standard Cap and Seal Corporation. (See Brinton, Christian H., assignor.)
Standard Oil Company. (See Forrest, Henry O., assignor.)
Standard Oil Company. (See Robinson, J., and Voorhees, assignors.)
Standard Oil Development Company. (See Ellis, Carleton, assignor.)
Standard Oil Development Company. (See Smith, Joshua M., assignor.)
Standard Steel Works. (See Bliss, Carl G., assignor.)
Starr, Oscar L., Mission San Jose, and H. S. Eberhard, San Leandro, assignor to Caterpillar Tractor Co., San Leandro, Calif. Motor vehicle. 2,076,009; Apr. 6.
Stedefeld, Curt, et al. (See Heyner, Fritz, assignor.)
Steel Heddle Manufacturing Company. (See Kaufmann, John J., Jr., assignor.)
Stelfox, Mildred A., Baltimore, Md. Facial wrinkle remover and preventer. 2,076,282; Apr. 6.
Stendel, Hans, and H. Wiechell, assignors, by mesne assignments, to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Aluminium alloy and article made therefrom. 2,076,281; Apr. 6.
Steward, Douglas P. (See Lehecka, F. H., and Steward.)
Stewart, Edward B. (See McLaud, O. R., and Stewart.)
Stewart and McGuire, Incorporated. (See Hoban, Fairfield W., assignor.)
Stiegler, Harold W. (See Powers, D. H., and Stiegler.)
Stoetzel, Robert J. (See Carlson, G. R., and Stoetzel.)
Stolp, Samuel S., Louisville, Ky., and R. C. Sutton, Pittsburgh, Pa., assignors to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky. Trolley contactor. 2,076,101; Apr. 6.
Stowell, Arthur R., Greenwood, Maine, assignor to Stowell Targets, Inc., Lockes Mills, Maine. Target. 2,076,135; Apr. 6.
Stowell Targets, Inc. (See Stowell, Arthur R., assignor.)
Straatman, Alphons G. H., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Apparatus for well surveying. 2,076,211; Apr. 6.
Strand, August A., Malden, assignor to G and N Engineering Company, Boston, Mass. Thermostat. 2,075,873; Apr. 6.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 2,076,051; Apr. 6.
Streysman, Francis E., and M. T. Strikol, Chicago, Ill. Laboratory equipment. 2,076,485; Apr. 6.
Strikol, Michael T. (See Streysman, F. E., and Strikol.)
Strindberg, Richard, assignor to Development Associates, Inc., Worcester, Mass. Gas filter. 2,076,304; Apr. 6.
Strindberg, Richard, assignor to Development Associates, Inc., Worcester, Mass. Gas filter. 2,076,305; Apr. 6.
String, Benjamin T., Norwood, Ohio. Game. 2,076,010; Apr. 6.
Studler, René R., Washington, D. C. Blank ammunition firing attachment for automatic guns. 2,075,837; Apr. 6.
Stulen, Walter H., Pittsburgh, Pa. Frameless building. 2,075,874; Apr. 6.
Stulen, Walter H., Pittsburgh, Pa. Frameless building unit. 2,075,875; Apr. 6.
Stupell, Leo K., assignor to Coro-Gram Inc., New York, N. Y. Manufacture of ornaments. 2,076,387; Apr. 6.

Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
Surface, Harry E., Bloomington, Ill., and C. E. Wood, Baxter Springs, Kans. Washing machine. 2,076,011; Apr. 6.
Suter, Walter P., Scarsdale, N. Y., and R. A. Tice, Louisville, Ky., assignors to Reynolds Metals Company, New York, N. Y. Metallic foil label and the art of forming same. 2,076,212; Apr. 6.
Sutter, Theodor. (See Gams, A., Frey, and Sutter.)
Sutton, Rufus C. (See Stolp, S. S., and Sutton.)
Swalm, Robert A., and C. R. O. P. Heintze, Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Mount for wing guns. 2,076,256; Apr. 6.
Swanson, Russel, Cleghorn, Iowa, assignor of one-third to L. H. Cutler, and one-third to O. E. Johnson. Automatic air motor governor. 2,076,520; Apr. 6.
Sweet, George A., Milford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last. 2,075,916; Apr. 6.
Sweets Laboratories, Inc. (See Barker, John O., assignor.)
Tait, William O., Jr. (See Brodhead, S. H., and Tait.)
Tampax Sales Corporation. (See Voss, Joseph A., assignor.)
Tarzian, Verage, Philadelphia, Pa. Thermionic tube control. 2,076,102; Apr. 6.
Taylor, George F., Niskayuna, N. Y., assignor to General Electric Company. Making wire drawing dies. 2,076,356; Apr. 6.
Technicolor Motion Picture Corporation. (See Rackett, Gerald F., assignor.)
Technicraft Engineering Corp., The. (See Meyer, Gerhard, assignor.)
Technicraft Engineering Corp., The. (See Wells, Walter T., assignor.)
Technicraft Engineering Corp., The. (See Wells, W. T., Barnes, and Spencer, assignors.)
Technicraft Engineering Corporation, The. (See Zschokke, Arthur J., assignor.)
Teigeler, Alfred J., Rutherford, N. J. Rubber grooming device. 2,075,964; Apr. 6.
Teisseyre, Jerzy, Warsaw, and A. Zdaniewski Biala Podlaska, Poland. Displaceable rudder for aircraft. 2,076,283; Apr. 6.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bechmann, R., and Elstermann, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bechmann, R., and Schneider, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, Hans O., assignor.)
Telegralight Corporation. (See Selz, Charles, assignor.)
Tempest, Thomas W., Philadelphia, Pa. Dart board. 2,076,357; Apr. 6.
Tennessee Eastman Corporation. (See Othmer, Donald F., assignor.)
Tennessee Valley Authority. (See Curtis, Harry A., assignor.)
Terry, Donald M. (See Horton, J. W., and Terry.)
Terry, Herbert, & Sons Limited. (See Carwardine, George, assignor.)
Texas Company, The. (See Armistead, George, Jr., assignor.)
Thomas, George H. (See Boldt, W. F., and Thomas.)
Thompson, Allison J., Cleveland, Ohio. Demountable insulator for lamp hangers. 2,076,187; Apr. 6.
Thompson, Herbert L., Elgin, assignor to Reynolds Wire Co., Dixon, Ill. Heddle structure for looms. 2,076,167; Apr. 6.
Thompson Products, Incorporated. (See Hufferd, George H., assignor.)
Thorner, Walther, Berlin-Zehlendorf, Germany. Apparatus for producing cinematographic combination films. 2,076,103; Apr. 6.
Thornton, Sallie, Elizabeth Bay, Sydney, Australia. Adjustable wire formed hat holder. 2,076,326; Apr. 6.
Thorsten, Thorleif, Pittsburgh, Pa. Sampling device. 2,076,188; Apr. 6.
Tice, Richard A. (See Suter, W. P., and Tice.)
Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
Timken-Detroit Axle Company, The. (See Morgan, Mathew B., assignor.)
Torrey, Lucien L., Los Angeles, Calif. Mechanical refrigerator apparatus. 2,075,838; Apr. 6.
Traves, John R., Toronto, Ontario, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Shielding system. 2,075,965; Apr. 6.
Trumbull Electric Manufacturing Company, The. (See Rowe, Raymond N., assignor.)
Truscon Steel Company. (See Schaffert, Adolf H., assignor.)
Turkington, Victor H., Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y. Varnish compositions. 2,075,839; Apr. 6.
Turkington, Victor H., Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y. Coating composition. 2,076,507; Apr. 6.
Turner, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Quenching oscillator for superregenerative receivers. 2,076,168; Apr. 6.
Túry, Paul. (See Millner, T., and Túry.)
Ulrey, Clayton T., East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Envelope for an electric device. 2,076,012; Apr. 6.
Underwood Elliott Fisher Company. (See Kurowski, Alfred G. F., assignor.)
"Unichem" Chemikalien Handels A.-G. (See Schrauth, Walther, assignor.)
Union Carbide and Carbon Corporation. (See George, Harry S., assignor.)
Union Carbide and Carbon Corporation. (See Kinzel, Augustus B., assignor.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See Cobourn, Delbert F., assignor.)
Union Switch & Signal Company, The. (See Kemmerer, Ralph R., assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
Union Switch & Signal Company, The. (See Pflasterer, George R., assignor.)
United American Bosch Corporation. (See Lang, G. J., Martin, and Crocker, assignors.)
United American Bosch Corporation. (See Long, Herbert J., assignor.)
United Research Corporation. (See Farrand, Clair L., assignor.)
United Research Corporation. (See Mueller, William A., assignor.)
United Shoe Machinery Corporation. (See Bagshaw, Charles M., assignor.)
United Shoe Machinery Corporation. (See Hadaway, J. B., and Fitzgerald, assignors.)
United Shoe Machinery Corporation. (See Hopkins, Raymond E., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United Shoe Machinery Corporation. (See Lancaster, John T., assignor.)
United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)
United Shoe Machinery Corporation. (See Sweet, George A., assignor.)
United States Radium Corporation. (See Paul, John E., assignor.)
United States Rubber Products, Inc. (See Hurt, Victor H., assignor.)
Urfer, Adolf. (See Wade, F. A., and Urfer.)
Utah Radio Products Company. (See Barrett, Edward L., assignor.)
Vana, James, Milwaukee, Wis. Battery cable terminal clamp. 2,076,257; Apr. 6.
Vance, Arthur W., Camden, N. J., assignor to Radio Corporation of America. Regulating device. 2,075,966; Apr. 6.
Van de Griendt, Gerald H., Oakland, assignor to Shell Development Company, San Francisco, Calif. Production of alcohols. 2,076,213; Apr. 6.
Van Deventer, Harry R., New York, and S. C. McKeown, Mount Vernon, N. Y., assignors, by mesne assignments, to General Motors Corporation. Combined refrigerating and power actuated device. 2,075,840; Apr. 6.
Van Norman, Frederick D., assignor to Van Norman Machine Tool Company, Springfield, Mass. Oscillating grinder. 2,076,508; Apr. 6.
Van Norman Machine Tool Company. (See Van Norman, Frederick D., assignor.)
Van Osten, Paul M. (See Perkins, C. W., and Van Osten.)
Van Peski, Adrianus J. (See Langedijk, S. L., and van Peski.)
Van Slooten, Jacob. (See Dyksterhuis, P. R., and van Slooten.)
Venzie, Frederick M., Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y. Wall construction. 2,076,388; Apr. 6.
Vertson, John A. (See White, Arthur F., assignor.)
Vierow, Thomas S., Jersey City, N. J. Extruding machine. 2,076,284; Apr. 6.
Vinton, William U., Manitowoc, Wis. Filter. 2,076,104; Apr. 6.
Vittengl, Morgan J., Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sheet material. 2,075,967; Apr. 6.
Volck, William H., Watsonville, assignor to California Spray-Chemical Corporation, Berkeley, Calif. Refining mineral oil. 2,076,105; Apr. 6.
Von Heydekampf, Gerd S., Chester, Pa., assignor to Baldwin-Southwark Corporation. Hydraulic load producing means. 2,075,968; Apr. 6.
Von Wedel, Carl J. R. H., Berlin, Germany, assignor, by mesne assignments, to Electrons, Inc. Cathode organization. 2,075,876; Apr. 6.
Voorhees, Vanderveer. (See Robinson, J., and Voorhees.)
Vorech, Stephen, assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Control mechanism. 2,075,917; Apr. 6.
Voss, Joseph A., assignor to Tampax Sales Corporation, Denver, Colo. Machine for compressing cotton wads. 2,076,389; Apr. 6.
Vulcan Proofing Company. (See Lewis, R. R., and Weiss, assignors.)

Waalkes, Gerrit, Highland Park, Mich., assignor to Anchor Steel & Conveyor Company. Turntable. 2,075,918; Apr. 6.

Wade, Francis A., Brooklyn, and A. Urfer, Richmond Hill, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Method and means for controlling compasses. 2,076,328; Apr. 6.

Wagner Electric Corporation. (See Boldt, W. F., and Thomas, assignors.)

Wagner Electric Corporation. (See Brunner, Albert, assignor.)

Wagner, John C., and A. J. Engel, assignors to The Eastern Box Company, Baltimore, Md. Display stand. 2,075,919; Apr. 6.

Walker, Brooks, Piedmont, Calif. Fuel injection system for internal combustion engines. 2,075,877; Apr. 6.

Wanvig, Harry F. (See Bodor, Andrew, assignor.)

Warren, Henry W. H., Coventry, L. J. Davies, and J. H. Mitchell, Rugby, England, assignors to General Electric Company. Electric gaseous discharge device. 2,076,286; Apr. 6.

Wascheck, George, Chappaqua, N. Y., assignor to American Telephone and Telegraph Company. Shielding system. 2,075,920; Apr. 6.

Watt, Allen J., La Fayette, Ohio. Convertible vehicle. 2,076,486; Apr. 6.

Way, George H. (See Porter, J. M., and Way.)

Wayland, Edwin M., Covesville, Va. Fruit washing. 2,076,487; Apr. 6.

Weed, Edward E., Greenwich, Conn. Electric plug. 2,076,136; Apr. 6.

Weeks, Shirley S., Providence, R. I. Adjusting throttle valves. 2,076,306; Apr. 6.

Wehr, William G., assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Connection. 2,076,106; Apr. 6.

Weiss, Albert J. (See Lewis, R. R., and Weiss.)

Wells, Walter T., Glendale, assignor to The Technicraft Engineering Corp., Los Angeles, Calif. Well heating device and method. 2,076,308; Apr. 6.

Wells, Walter T., C. H. Barnes, Glendale, and L. Spencer, assignors to The Technicraft Engineering Corp., Los Angeles, Calif. Bridging plug. 2,076,307; Apr. 6.

Wertheimer, Adolf, Dusseldorf, Germany. Electric advertising device. 2,075,841; Apr. 6.

Western Casket Hardware Co. (See McLand, O. R., and Stewart, assignors.)

Western Electric Company. (See Carlson, G. R., and Stoetzel, assignors.)

Western Electric Company. (See Gillis, Randall, assignor.)

Western Electric Company. (See Hartley, G. C., and Reynolds, assignors.)

Western Electric Company. (See Horton, J. W., and Terry, assignors.)

Western Electric Company. (See Jespersen, Helgo W., assignor.)

Western Electric Company. (See McLarn, Ernest S., assignor.)

Western Electric Company. (See Remmers, W. E., and Scott, assignors.)

Western Electric Company. (See Traves, John R., assignor.)

Western Land Roller Company. (See Gray, Garold C. J., assignor.)

Western States Machine Company. (See Roberts, Eugene, assignor.)

Western Union Telegraph Company, The. (See Beardsley, Bruce, assignor.)

Westinghouse Electric & Manufacturing Company. (See Allen, Albert J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Allen, A. J., and Bradshaw, assignors.)

Westinghouse Electric & Manufacturing Company. (See Holloway, Gilbert C., assignor.)

Westinghouse Electric & Manufacturing Company. (See James, Henry D., assignor.)

Westinghouse Electric and Manufacturing Company. (See Sacks, Paul E., assignor.)

Westinghouse Electric and Manufacturing Company. (See Ulrey, Clayton T., assignor.)

Westinghouse X-Ray Company. (See Nelson, Albert C., assignor.)

Whedon, Le Grand S., Medina, N. Y. Control mechanism for adjustable seats. 2,076,309; Apr. 6.

Wheeler, Daniel D., assignor to The Erie Enameling Company, Erie, Pa. Porcelain enamel ware and method of forming the same. 2,076,329; Apr. 6.

White, Albert G., and E. Jones, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Blasting explosive cartridge and borehole charge. 2,075,969; Apr. 6.

White, Arthur F., Fullerton, assignor of one-half to J. A. Vertson, Brea, Calif. Constant expansion piston ring expander. 2,076,310; Apr. 6.

White Cap Company. (See White, George P., assignor.)

White, George P., assignor to White Cap Company, Chicago, Ill. Packaging. 2,076,052; Apr. 6.

White, Harry B., Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,076,390; Apr. 6.

White, John J., assignor to The Florsheim Shoe Company, Chicago, Ill. Shoe construction. 2,076,107; Apr. 6.

White, Warren B., North Abington, Mass. Automatic sharpening device for lawnmowers. 2,076,311; Apr. 6.

Whitehead, Dean H., Chicago, assignor of one-half to J. R. Naibach, Oak Park, Ill. Sheet segregating apparatus. 2,076,391; Apr. 6.

Whitelaw, Charles H., Detroit, Mich., assignor to Cook Paint & Varnish Company, Kansas City, Mo. Coating and coating composition. 2,076,509; Apr. 6.

Whiting, William S., Jr., assignor to The Champion Paper and Fibre Company, Canton, N. C. Automatic cone making machine. 2,076,312; Apr. 6.

Wiciński, Adam. (See Witkiewicz, R., and Wiciński.)

Wiechell, Heinz. (See Steudel, H., and Wiechell.)

Wiggin, Daniel W., assignor to Holder, Wiggin, and Folan, Inc., Yarmouth, Maine. Article of footwear. 2,076,285; Apr. 6.

Wiggin, John F., Brooklyn, N. Y., assignor, by mesne assignments, to Camerascopic Lens Inc., Portland, Maine. Stereoscopic or depth lens for cameras. 2,076,419; Apr. 6.

Wigginton Company, The. (See Mehaffie, Hugh F., assignor.)

Wildman Mfg. Co. (See Howle, Kenneth, assignor.)

Wiley, Joe, Fresno, assignor of one-third to J. D. Morgan, and to C. A. James, Fresno City, Calif. Ground and chopped food molding machine. 2,076,488; Apr. 6.

Williams, Beverly E., and L. L. Cadwell, assignors to Industrial Patents Corporation, Chicago, Ill. Treatment of calves. 2,076,053; Apr. 6.

Williams, Bradlee W., and H. S. Williams, assignors to Bailey Manufacturing Co., Chicago, Ill. Race game apparatus. 2,076,054; Apr. 6.

Williams, Bradlee W., and H. S. Williams, assignors to Bally Manufacturing Co., Chicago, Ill. Race game apparatus. 2,076,055; Apr. 6.

Williams, Homer S. (See Williams, Bradlee W., and H. S.)

Williams, Howard O., Minneapolis, assignor to Edward E. Johnson, Incorporated, St. Paul, Minn. Providing and forming a gravel pack about well screens in wells. 2,076,489; Apr. 6.

Williams, Howard O., Minneapolis, assignor to Edward E. Johnson, Incorporated, St. Paul, Minn. Forming a gravel pack about well screens in wells. 2,076,490; Apr. 6.

Williams, Richard Z., Destrehan, La., assignor to Pan American Petroleum Corporation, New York, N. Y. Dehazing furnace oil. 2,076,392; Apr. 6.

Williams-Wallace Company. (See Stadtfeld, Jacob A., assignor.)

Wilson, Donald E., Kingston, Tenn. Match strip. 2,076,137; Apr. 6.

Wilson-Jones Company. (See Dawson, George H., assignor.)

Windle, Winfred W., Millbury, Mass. Wool duster. 2,076,420; Apr. 6.

Winkler, Wynne G., and A. G. Bruck, assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Treatment of restricted flow tubing and apparatus therefor. 2,075,921; Apr. 6.

Wipperman, Hildegard, assignor to The H. W. Gossard Co., Chicago, Ill. Foundation garment. 2,076,169; Apr. 6.

Witkiewicz, Roman, and A. Wiciński, Lwow, Poland. Crankless motor compressor. 2,076,258; Apr. 6.

Wittel, Otto, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Film claw. 2,076,189; Apr. 6.

Wodstrup-Nielsen. (See Hagedorn, H. C., Jensen, and Wodstrup-Nielsen.)

Woelfer, Frank C., Jr., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Can opening device. 2,076,215; Apr. 6.

Wolf, Hans. (See Curs, A., and Wolf.)

Wood, Albert B., F. D. Smith, and J. A. McGeachy, Teddington, assignors to Henry Hughes & Son Limited, London, England. Measurement of distances by echo reception methods. 2,076,330; Apr. 6.

Wood, Charles E. (See Surface, H. E., and Wood.)

Wood Conversion Company, et al. (See Spafford, Allen L., assignor.)

Wood, Donald L., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Projection objective. 2,076,190; Apr. 6.

Wood, Edwin W., Edmond, Okla. Hat holder. 2,075,970; Apr. 6.

Wood, Henry A. Wise, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Tension roll device. 2,076,421; Apr. 6.

Wood Newspaper Machinery Corporation. (See Wood, Henry A. Wise, assignor.)

Woodford, Albert F., St. Petersburg, Fla. Power mower. 2,076,056; Apr. 6.

Woods, William, Riverside, Calif. Jacketed cooking utensil. 2,076,437; Apr. 6.

Wooler, John, Ruislip, England. Variable speed gearing. 2,076,438; Apr. 6.

Wright Aeronautical Corporation. (See Goodman, W. B., and Losson, assignors.)

Wright, Theodore P., Buffalo, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Antivibration vane. 2,076,259; Apr. 6.

Wyatt, James R., Camden, N. J., assignor to Ajax Electric Furnace Corporation, Philadelphia, Pa. Electric induction furnace. 2,076,216; Apr. 6.

York Ice Machinery Corporation. (See Graff, Amos M., assignor.)

York Ice Machinery Corporation. (See Zercher, Robert W., assignor.)

Youker, Malcolm P., assignor to Phillips Petroleum Company, Bartlesville, Okla. Combined stabilizing and gas conversion process. 2,076,013; Apr. 6.

Young, Bob, Henderson, assignor to Granville A. Humason, Houston, Tex. Wellhead control. 2,075,878; Apr. 6.

Young, Hugh E., Chicago, Ill. Current regulating system. 2,076,108; Apr. 6.

Young, Hugh E., Chicago, Ill. Current regulator. 2,076,109; Apr. 6.

Young, John M., Dundalk, Md. Calculator. 2,076,439; Apr. 6.

Young, Leonard A. (See Oldham, John M., assignor.)

Yürgen, Baron Silberg von Stackelberg, assignor of one-half to M. G. Doll, Baltimore, Md. Aircraft. 2,076,327; Apr. 6.

Zamborelli, August, Sopris, Colo. Check holder. 2,076,331; Apr. 6.

Zdaniewski, August. (See Teisseyre, J., and Zdaniewski.)

Zehnder, Otto, assignor to Gebrüder Zehnder Radiotoren & Apparatebau, Granichen, Switzerland. Fully automatic refrigerator. 2,075,922; Apr. 6.

Zercher, Robert W., assignor to York Ice Machinery Corporation, York, Pa. Lubrication system. 2,076,332; Apr. 6.

Zimmerer, Karl A., and W. G. Koerber, assignors to Karl A. Zimmerer Manufacturing Company, Inc., Detroit, Mich. Apparatus for preventing beer settling. 2,076,422; Apr. 6.

Zimmerer, Karl A., Manufacturing Co. (See Koerber, William G., assignor.)

Zimmerer, Karl A., Manufacturing Co. (See Zimmerer, K. A., and Koerber, assignors.)

Zotos Corporation. (See McDonough, Evertt G., assignor.)

Zilen, Victor W., Buffalo, N. Y. Rotary drilling mechanism. 2,076,138; Apr. 6.

Zschokke, Arthur J., Huntington Park, assignor to The Technicraft Engineering Corporation, Los Angeles, Calif. Bridging plug and retrieving tool therefor. 2,076,313; Apr. 6.

Zschokke, Arthur J., Huntington Park, assignor to The Technicraft Engineering Corporation., Los Angeles, Calif. Bridging plug and setting tool therefor. 2,076,314; Apr. 6.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Air cooling apparatus. J. Q. Sherman. 20,325; Apr. 6.
Light, Oven. G. Herbster. 20,324; Apr. 6.
Mounting or bridge, Type of eyeglass and spectacle. L. J. Page. 20,322; Apr. 6.
Radiators, Making heat. J. Karmazin. 20,321; Apr. 6.
Relaying system, Simultaneously tripping. R. C. Bergvall. 20,319; Apr. 6.
Settling system for separating solids from fluids. M. B. Tark. 20,320; Apr. 6.
Toothbrushes, Making. M. Rudof. 20,323; Apr. 6.

LIST OF PLANT INVENTIONS

Poinsettia. P. Ecke. 242; Apr. 6.
Rose. E. R. Asmus, Sr. 241; Apr. 6.

LIST OF DESIGN INVENTIONS

Agitator. F. A. Conterman. 103,926; Apr. 6.
Applicator or similar article. H. B. Lermer. 103,976; Apr. 6.
Ashtray. D. C. Wharton. 103,961; Apr. 6.
Battery box. R. Le Clercq. 103,974; Apr. 6.
Boat, Salad dish. S. E. Wallace. 103,959; Apr. 6.
Booth, Communication. A. Iannelli. 103,937; Apr. 6.
Booth, Communication. B. S. Reynolds. 103,954; Apr. 6.
Bottle. R. Capey. 103,985; Apr. 6.
Bottle or similar article, Milk. H. Ennever. 103,987; Apr. 6.
Bowl. L. Guild. 103,967; Apr. 6.
Bowl, Food. H. C. Keith. 103,993; Apr. 6.
Building. W. R. McCornack. 103,948; Apr. 6.
Cabinet, Display. J. F. Meyer. 103,949; Apr. 6.
Cabinet, Phonograph. P. M. Fuller. 103,966; Apr. 6.
Candlestick. L. Guild. 103,932; Apr. 6.
Cape. M. Spector. 104,002; Apr. 6.
Case, Storage battery. W. L. Reinhardt. 103,979; Apr. 6.
Casing for an air conditioning unit or similar article. D. C. Hollister. 103,968; Apr. 6.
Comfortable. J. Goodstein. 103,988; Apr. 6.
Comfortable. J. Goodstein. 104,006–8; Apr. 6.
Cover, Book. L. Mounteney. 103,995–8; Apr. 6.
Desk, Roll top. A. Warshawsky. 103,960; Apr. 6.
Disk edging machine, Rotary. H. L. Meyers. 103,977; Apr. 6.
Dress. M. Michelson. 103,994; Apr. 6.
Dress. A. Ruchman. 104,001; Apr. 6.
Dress ensemble. A. Guzy. 103,989; Apr. 6.
Drier, Hair. M. W. Pitner. 103,978; Apr. 6.
Emblem, Appliqué. C. Emmey. 103,964–5; Apr. 6.
Fabric or similar article, Embroidered lace. R. Dannecker. 103,927; Apr. 6.
Fabric or similar article, Textile. A. C. Jaeger. 103,938; Apr. 6.
Fabric, Textile. J. H. Huelat. 103,935–6; Apr. 6.
Fabric, Textile. W. Kaplan. 103,973; Apr. 6.
Frame, Hack saw. E. M. Jack. 103,969; Apr. 6.
Glove. L. Levine. 103,945; Apr. 6.
Heel attachment, Antislip shoe. A. Mancini. 103,947; Apr. 6.
Holder, Pot. L. I. Levy. 103,975; Apr. 6.
Horse, Play. J. Burns. 103,924; Apr. 6.
Housing, Coffee mill. H. M. Jacobs. 103,970; Apr. 6.
Housing, Lamp. C. E. Meyerhoefer. 103,950; Apr. 6.
Lace. M. Taub. 104,003; Apr. 6.
Lamp and desk set, Combined. G. J. Sengbusch. 103,981; Apr. 6.
Lamp, Standing. A. Hendrich. 103,933–4; Apr. 6.
Light, Decorative. L. Pollock. 103,953; Apr. 6.
Lighter. J. Avedon. 103,984; Apr. 6.
Ornament or similar article, Hat. S. Antenberg. 103,922; Apr. 6.
Plate or similar article. V. Broomhall. 103,923; Apr. 6.
Press or similar article, Seal. H. E. Sachs and P. F. Elzi. 103,980; Apr. 6.
Projector. T. H. North. 103,951; Apr. 6.
Pull, Shade. E. Richcreek. 103,955; Apr. 6.
Settee, Lawn. R. M. Rink. 103,956; Apr. 6.
Shoe. N. P. Liberty. 103,946; Apr. 6.
Shoe. B. L. Wales. 104,005; Apr. 6.
Sink, Corner kitchen. H. G. Carlton. 103,925; Apr. 6.
Sofa or similar article. N. Tyrrell. 103,958; Apr. 6.
Sprinkler head, Lawn. S. G. Weber. 103,982; Apr. 6.
Stand and container, Combined display. R. Capey. 103,986; Apr. 6.
Stand, Merchandise display. J. F. Urbanek. 104,004; Apr. 6.
Station, Bird feeding. E. G. Butler. 103,963; Apr. 6.
Statuette, Novelty. M. Greenberg. 103,931; Apr. 6.
Support, Ironing board. U. K. Johannsen. 103,971; Apr. 6.
Table or similar article, Glass display. H. M. Alexander. 103,983; Apr. 6.
Tank body, Vehicle. J. F. Frazier. 103,972; Apr. 6.
Teakettle. H. J. Salisbury and E. H. Wunderley. 103,957; Apr. 6.
Thermometer. N. E. Flanner. 103,929; Apr. 6.
Typewriter. W. A. Dobson. 103,928; Apr. 6.
Vase. M. I. Freeman, Jr. 103,930; Apr. 6.
Watchcase. H. I. Kolberg. 103,939–44; Apr. 6.
Watchcase. D. Ornstein. 103,952; Apr. 6.
Wheel. H. J. Horn. 103,990; Apr. 6.
Wheel. J. H. Hunt and H. J. Horn. 103,991–2; Apr. 6.
Wheel. J. W. Pattison. 103,999–104,000; Apr. 6.
Wheel for automobiles, Steering. M. M. Burgess. 103,962; Apr. 6.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrader attachment for writing instruments. W. C. F. Ehrmann. 2,075,932; Apr. 6.
Abrasive articles, Manufacture of. N. P. Robie. 2,076,517; Apr. 6.
Abrasive drum for leather surfacing machines and the like. G. M. Curtin. 2,076,193; Apr. 6.
Accelerator control. P. A. Heinrich. 2,076,460; Apr. 6.
Acid amides of sulphonated aromatic carboxylic acids and making same, Carboxylic. O. Albrecht. 2,076,217; Apr. 6.
Acid and other lower fatty acids, Dehydration of acetic. D. F. Othmer. 2,076,184; Apr. 6.
Acid ester of cellulose in fibrous form, Preparation of an organic. F. J. Hopkinson and C. R. Fordyce. 2,076,181; Apr. 6.
Acids of high wetting, dispersing, and emulsifying power and producing the same, Substituted sulphonic. E. Segessemann. 2,076,166; Apr. 6.
Advertising device. O. D. Jennings. 2,076,182; Apr. 6.
Advertising device, Electric. A. Wertheimer. 2,075,841; Apr. 6.
Agitating mechanism. S. E. Schroeder. 2,076,280; Apr. 6.
Air conditioning apparatus. E. Berl. 2,076,360; Apr. 6.
Air conditioning apparatus. W. C. Carr. 2,076,192; Apr. 6.
Aircraft. J. V. Carden. 2,076,398; Apr. 6.
Aircraft. Baron S. von Stackelberg Yürgen. 2,076,327; Apr. 6.
Aircraft wing structure. S. Asbury. 2,076,059; Apr. 6.
Air cushion joint. A. H. Schaffert. 2,076,505; Apr. 6.
Air-improvement device. C. Jacobsohn. 2,076,463; Apr. 6.
Alarm system. H. B. Miller. 2,075,822; Apr. 6.
Alcohols, Obtaining higher molecular. W. Shrauth. 2,075,963; Apr. 6.
Alcohols of the cyclopentano phenanthrene series, and producing the same, Saturated. W. Schoeller and F. Hildebrandt. 2,076,098; Apr. 6.
Alcohols, Production of. G. H. van de Grlendt. 2,076,213; Apr. 6.
Aligner for manifolding machines, Record strip. L. F. Hagemann. 2,076,022; Apr. 6.
Aliphatic anhydrides, Manufacture of. H. Dreyfus. 2,075,889; Apr. 6.
Alloy and article made therefrom, Aluminium. H. Steudel and H. Wiechell. 2,076,281; Apr. 6.
Alloys, Making ferro-magnetic. W. E. Remmers and K. L. Scott. 2,076,250; Apr. 6.
Alternating current generator. G. A. Johnstone. 2,076,464; Apr. 6.
Amines of saturated hydrocarbons, Cyclic process of producing. M. S. Nafash. 2,075,825; Apr. 6.
Ammonium compounds and preparing the same, Quaternary. H. A. Piggott. 2,075,958; Apr. 6.
Amplifying or rectifying device. P. R. Dyksterhuis and J. van Slooten. 2,075,979; Apr. 6.
Amusement ride. J. N. Bartlett. 2,076,113; Apr. 6.
Anchor. J. K. Northrop and H. M. Gesner. 2,075,827; Apr. 6.
Antifreeze device for motor vehicles. D. E. Semon. 2,076,324; Apr. 6.
Antiglare device. J. C. Cady. 2,076,397; Apr. 6.
Antitilting device. D. C. Rockola. 2,076,251; Apr. 6.
Apparatus for checking the sprocket holes of motion picture films. A. C. Loewer. 2,076,471; Apr. 6.
Arch support. J. C. Howell. 2,076,942–3; Apr. 6.
Arch support, Metatarsal. J. C. Howell. 2,075,941; Apr. 6.
Artificial products by dry spinning processes, Manufacture of. H. Dreyfus. 2,075,890; Apr. 6.
Automatic safety shut-off valve. J. B. Hoff and W. C. Davidson. 2,076,274; Apr. 6.
Automobile heater. S. P. Arnold. 2,076,287; Apr. 6.
Azodyestuffs and their production, Mordant. M. Müller. 2,076,477; Apr. 6.
Balance between currents in associated circuits, Regulating. W. A. Mueller. 2,075,861; Apr. 6.
Ball joint, Self-adjusting. G. H. Hufford. 2,076,028; Apr. 6.
Banding and wrapping machine. F. X. Mulcesay. 2,076,378; Apr. 6.
Barrel, Core. C. E. Burt. 2,076,063; Apr. 6.
Base, Pneumatic machine. V. H. De Bolt. 2,076,071; Apr. 6.
Bathtub. S. Friedlander. 2,075,933; Apr. 6.
Battery cable terminal clamp. J. Vana. 2,076,257; Apr. 6.
Battery electrolyte indicator. R. Perthel and F. B. Lockwood, Jr. 2,076,384; Apr. 6.
Battery terminal. H. H. Henry. 2,076,341; Apr. 6.
Bearing. H. V. Shebat. 2,076,254; Apr. 6.
Bearing assembly for earth boring drills, Antifriction. C. E. Reed. 2,076,002; Apr. 6.
Bed, Collapsible. R. B. Baker. 2,075,796; Apr. 6.
Beer settling, Apparatus for preventing. K. A. Zimmerer and W. G. Koerber. 2,076,422; Apr. 6.
Bench, Portable packing. B. L. Smith. 2,075,833; Apr. 6.
Beryllium, Making. H. S. Cooper. 2,076,067; Apr. 6.
Beverage container, Prepared. C. Le Rose. 2,076,132; Apr. 6.
Bin, Portable vegetable packing. B. F. Reichenberger. 2,075,961; Apr. 6.
Binder, Loose leaf. G. H. Dawson. 2,076,265; Apr. 6.
Blanket, Impression. R. R. Lewis and A. J. Weiss. 2,076,376; Apr. 6.
Blasting equipment. K. Schaffler-Glössl. 2,076,512; Apr. 6.
Bleaching compound. P. Sanchez. 2,075,913; Apr. 6.
Blocks with predetermined number of sheets, Manufacture of. H. Chambon. 2,075,789; Apr. 6.
Blow-out preventer, Pressure fluid operable. A. J. and K. T. Penick. 2,076,042; Apr. 6.
Board: *See*—
Dart board. Gypsum board.
Boat propulsion. M. F. Drudy, Jr., and A. G. Mahoney. 2,076,428; Apr. 6.
Bodies from ceramic masses, concrete or the like, Production of compact molded. E. Lux and J. Daniels. 2,075,992; Apr. 6.
Bodies through opaque substances, Method and apparatus for observing. R. A. Fliess. 2,075,808; Apr. 6.
Boiler: *See*—
Water wall boiler.
Bolt, Expansion. R. E. McIntosh. 2,075,952; Apr. 6.
Bottle capping mechanism. C. H. Brinton. 2,076,116; Apr. 6.
Bottle hood or closure and jigger, Combined. H. W. Genone. 2,076,457; Apr. 6.
Bottle, Milk. J. E. Greenwood. 2,076,124; Apr. 6.
Box: *See*—
Cardboard box. Service box.
Fisherman's fly box.
Box and signaling system, Message drop. L. Casper. 2,076,017; Apr. 6.
Brake beam safety strap. R. R. Hawk. 2,076,369; Apr. 6.
Brake equalizer. S. H. Brodhead and W. O. Tait, Jr. 2,075,974; Apr. 6.
Brake, especially for lifting trucks, Hydraulic. J. Loef. 2,075,857; Apr. 6.
Brake leverage structure. W. S. Scott. 2,076,047; Apr. 6.
Braking apparatus, Railway. D. F. Cobourn. 2,076,427; Apr. 6.
Bread slicing machine. S. Debus. 2,076,296; Apr. 6.
Brick grab. J. P. Martin. 2,076,204; Apr. 6.
Bridging plug. W. T. Wells, C. H. Barnes, and L. Spencer. 2,076,307; Apr. 6.
Brush. H. P. McMillan. 2,075,907; Apr. 6.
Buckle, Belt. H. W. Parke. 2,076,249; Apr. 6.
Buckle, Clamping. F. E. Stahl. 2,076,008; Apr. 6.
Building construction. J. D. Edwards. 2,076,267; Apr. 6.
Building construction. G. K. Geerlings. 2,076,403; Apr. 6.
Building construction. B. London. 2,076,472–3; Apr. 6.
Building, Frameless. W. H. Stulen. 2,075,874; Apr. 6.
Building unit, Frameless. W. H. Stulen. 2,075,875; Apr. 6.
Burner control, Oil. P. S. Arnold. 2,076,395; Apr. 6.
Burr removing apparatus. R. O. Berg and S. Berg. 2,076,062; Apr. 6.
Cabinet, Cold storage. G. W. Cocks. 2,076,173; Apr. 6.
Cabinet, Vapor bath. F. A. Besuzzi. 2,076,171; Apr. 6.
Cable, Apparatus for splicing. J. W. Channell. 2,076,223; Apr. 6.
Caisson. W. R. Marsden. 2,076,379; Apr. 6.
Calculator. J. W. Young. 2,076,439; Apr. 6.
Calves, Treatment of. B. E. Williams and L. L. Cadwell. 2,076,053; Apr. 6.
Camera for determining the exposures, Photographic. Ö. Riszdorfer. 2,076,481; Apr. 6.
Camera shutter construction. H. W. Adams. 2,076,191; Apr. 6.
Can opening device. F. C. Woelfer, Jr. 2,076,215; Apr. 6.
Cap for containers and the like and producing the same. F. R. Reutter. 2,076,158; Apr. 6.

Cap, Shaker. J. J. Grantonic. 2,076,233; Apr. 6.
Caps, Making milk bottle. J. R. Gammeter. 2,076,079; Apr. 6.
Caps on bottles, Apparatus for fixing. P. M. A. Gauthier. 2,076,337; Apr. 6.
Car, Articulated. W. H. Mussey. 2,076,503; Apr. 6.
Carbide composition, Hard. H. S. Cooper. 2,076,366; Apr. 6.
Carburetor. E. Seignol and F. Monier. 2,076,354; Apr. 6.
Carburetor control. H. E. Bucklen. 2,075,884; Apr. 6.
Cardboard box. J. C. Krudener. 2,076,375; Apr. 6.
Carriers for match booking machines. C. H. Sickmon. 2,076,386; Apr. 6.
Carton. W. K. Clark. 2,076,065; Apr. 6.
Carton, Collapsible tube. J. J. Seelman. 2,076,048; Apr. 6.
Cartridge and borehole charge, Blasting explosive. A. G. White and E. Jones. 2,075,969; Apr. 6.
Case construction, Vanity. L. A. Samstag. 2,076,353; Apr. 6.
Casket decoration. O. R. McLaud and E. R. Stewart. 2,076,434; Apr. 6.
Casting machine. A. King. 2,076,374; Apr. 6.
Cathode organization. C. J. R. H. von Wedel. 2,075,876; Apr. 6.
Cathode ray tube. A. W. Ladner. 2,076,086; Apr. 6.
Cathode, Thermionic. E. Y. Robinson. 2,075,910; Apr. 6.
Chair construction. R. L. Ficks. 2,076,510; Apr. 6.
Check controlled mechanism. F. W. Hoban. 2,076,513; Apr. 6.
Check holder. A. Zamborelli. 2,076,331; Apr. 6.
Chest. S. E. Coy. 2,075,791; Apr. 6.
Circuit control device. C. M. Petersen. 2,076,385; Apr. 6.
Circuit interrupter, Electric. J. M. Saint-Germain. 2,076,352; Apr. 6.
Circuit, Power. P. Sherrick and C. H. Miller. 2,075,869; Apr. 6.
Circumciser. F. A. La Breck. 2,076,468; Apr. 6.
Clamp: *See*—
Battery cable terminal clamp.
Claw, Film. O. Wittel. 2,076,189; Apr. 6.
Cleaner: *See*—
Suction cleaner.
Clip: *See*—
Desk pad clip.
Closure for containers. E. I. F. Mandell. 2,076,407; Apr. 6.
Closure operating device. M. S. Kirkpatrick. 2,075,814; Apr. 6.
Clutch: *See*—
Friction clutch. Hydraulic screw clutch.
Coating and coating composition. C. H. Whitelaw. 2,076,509; Apr. 6.
Coating composition. V. H. Turkington. 2,076,507; Apr. 6.
Coil cleaning machine. J. Panagopoulos. 2,076,414; Apr. 6.
Coil winding machines, System for automatic. G. C. Holloway. 2,076,236; Apr. 6.
Comb regulator for electric machines. H. Bénit. 2,076,115; Apr. 6.
Combination tool. F. S. Horechney. 2,076,462; Apr. 6.
Combine, Road marking. E. H. Hollingshead. 2,076,370; Apr. 6.
Compasses, Method and means for controlling. F. A. Wade and A. Urfer. 2,076,328; Apr. 6.
Condenser: *See*—
Battery electrolyte condenser. Electric condenser.
Condenser cooling water control. R. J. Fairchild. 2,076,402; Apr. 6.
Conductor. A. H. Maude. 2,075,906; Apr. 6.
Conductor, Electrical. M. E. Noyes. 2,075,996; Apr. 6.
Conductor for piping, Supplemental. W. G. Koerber. 2,076,466; Apr. 6.
Cone making machine, Automatic. W. S. Whiting, Jr. 2,076,312; Apr. 6.
Confections, Apparatus for molding frozen. L. Loewenstein. 2,076,377; Apr. 6.
Connecter: *See*—
Electrical connecter. Solderless wire connecter.
Connecter. H. A. Douglas. 2,076,072; Apr. 6.
Connection. W. G. Wehr. 2,076,106; Apr. 6.
Container: *See*—
Beverage container. Pouring spout container.
Container. C. W. Johnson. 2,075,988; Apr. 6.
Container and dispensing device for powdered soap and the like. A. C. Reeve. 2,076,323; Apr. 6.
Container for dry comminuted material. B. S. Houck. 2,075,987; Apr. 6.
Containers, Making. E. Hildebrandt. 2,076,342; Apr. 6.
Control apparatus for radio receiving sets. R. B. Foster. 2,075,809; Apr. 6.
Control for throttle, clutch, and brake means for automobiles. J. B. Brown. 2,076,117; Apr. 6.
Control mechanism. H. D. James. 2,076,146; Apr. 6.
Control mechanism. S. Vorech. 2,075,917; Apr. 6.
Control mechanism for adjustable seats. L. G. S. Whedon. 2,076,309; Apr. 6.
Control mechanism for airplanes. B. Malinowski. 2,076,088; Apr. 6.
Control of oscillations, Phase and frequency. H. Chireix and P. Borias. 2,076,264; Apr. 6.
Controlling device for operating a plurality of reciprocating members. A. G. Nesfield. 2,076,247; Apr. 6.
Conveyer. W. W. Sibson and H. H. Belcher. 2,076,506; Apr. 6.
Conveyer, Double strap. B. Beardsley. 2,076,493; Apr. 6.
Conveyer, Magnetic. G. R. Fickel. 2,076,195; Apr. 6.
Cooling unit. T. W. Carraway. 2,076,119; Apr. 6.
Copy holder. N. Dodds. 2,076,448; Apr. 6.
Cord, Elastic. T. Harris. 2,076,272; Apr. 6.
Core and making insulated magnetic cores, Insulated magnetic. R. Gillis. 2,076,230; Apr. 6.
Corrosion, Prevention of. W. S. Calcott. 2,075,976; Apr. 6.
Corset and the like fastening. A. R. Canham. 2,076,016; Apr. 6.
Counter, Game. J. D. McClure. 2,076,409; Apr. 6.
Coupler device, Railway vehicle. S. Miller. 2,075,953; Apr. 6.
Cover: *See*—
Engine cylinder cover. Spring cover.
Flowerpot cover.
Covering apparatus. T. Harris. 2,076,269; Apr. 6.
Cowling, Engine. R. Chilton. 2,076,224; Apr. 6.
Crane, Full-swing. F. G. Manly. 2,075,819; Apr. 6.
Cravat holder. J. H. Luft. 2,076,154; Apr. 6.
Crystal oscillator monitor and centralized control. H. H. Beverage. 2,076,361; Apr. 6.
Cultivator standard. T. H. Mayfield. 2,076,205; Apr. 6.
Cup: *See*—
Packing cup.
Curler, Hair. L. B. Andrew. 2,076,358; Apr. 6.
Current regulating system. H. E. Young. 2,076,108; Apr. 6.
Current regulator. H. E. Young. 2,076,109; Apr. 6.
Current supply system, Direct. J. V. Caputo. 2,076,365; Apr. 6.
Cushioning means for supporting a body upon a vehicle frame. L. M. Goldsmith. 2,075,844; Apr. 6.
Cutter: *See*—
Rotary cutter.
Dart board. T. W. Tempest. 2,076,357; Apr. 6.
Davit, Life boat. C. H. Fuller. 2,076,021; Apr. 6.
Degasser for internal combustion motors. C. A. Christensen. 2,075,790; Apr. 6.
Dental instrument. F. H. Doner. 2,076,449; Apr. 6.
Design Illustrator, Style and cloth. J. Caswell and K. Elchuk. 2,076,426; Apr. 6.
Desk pad clip. A. F. Rippel. 2,076,094; Apr. 6.
Detachable meter. A. J. Allen and W. M. Bradshaw. 2,076,491; Apr. 6.
Dies, Making wire drawing. G. F. Taylor. 2,076,356; Apr. 6.
Diesel engine. E. A. Burns. 2,076,334; Apr. 6.
Discharger for centrifugal machines. E. Roberts. 2,076,516; Apr. 6.
Disher, Ice cream. E. G. Rust. 2,076,416; Apr. 6.
Display stand. J. C. Wagner and A. J. Engel. 2,075,919; Apr. 6.
Distortion check for welding apparatus. L. C. Powell. 2,076,207; Apr. 6.
Distributor, Automatic. F. Jonneret and A. Schoch. 2,075,989; Apr. 6.
Doffing mechanism for flyer spinning, doubling, twisting, and the like machines. J. K. Anderson. 2,076,423; Apr. 6.
Door lock. H. O. Grimsrud. 2,076,125; Apr. 6.
Doors, Actuating mechanism for auxiliary. A. M. Graff. 2,075,937; Apr. 6.
Drawing. J. M. Hothersall. 2,075,847; Apr. 6.
Drill: *See*—
Earth boring drill. Rock drill.
Drilling head. G. A. Humason. 2,075,899; Apr. 6.
Drilling mechanism, Rotary. V. W. Zilen. 2,076,138; Apr. 6.
Drinks and/or foods, Apparatus for manufacture and dispensing of frosted. J. A. Bethancourt, L. J. Grabau, and J. E. Hellemann. 2,076,114; Apr. 6.
Drive, Automobile. T. L. Fawick. 2,075,980; Apr. 6.
Dump apparatus with sloping discharge walls, Bottom. H. W. Sanford. 2,076,005; Apr. 6.
Duplicating device. A. Marchev and C. C. McCain. 2,075,950; Apr. 6.
Duster, Wool. W. W. Windle. 2,076,420; Apr. 6.
Dyeing apparatus. E. J. Abbott. 2,076,170; Apr. 6.
Dyes, Sulphur. W. Hagge and K. Haagen. 2,076,143; Apr. 6.
Dyes, Vat. W. Hagge and K. Haagen. 2,076,144; Apr. 6.
Dyestuffs and their manufacture, Green monoazo. O. Senn. 2,076,484; Apr. 6.
Dyestuffs and their manufacture, Sulphonated arylamino anthraquinone. E. Gutzwiller. 2,076,197; Apr. 6.
Earth boring drill. C. E. Reed. 2,076,003; Apr. 6.
Electric accumulators of lead having slight local actions, Charging the. L. J. Jamau. 2,076,238; Apr. 6.
Electric and flame light, Combined. O. C. Britsch. 2,075,883; Apr. 6.
Electric condenser. W. Dubilier. 2,075,891; Apr. 6.
Electric control. I. E. McCabe. 2,075,951; Apr. 6.
Electric discharge device. J. W. Ryde and J. Cates. 2,076,278; Apr. 6.

Electric flasher. A. P. Jorgenson. 2,076,275; Apr. 6.
Electric induction furnace. J. R. Wyatt. 2,076,216; Apr. 6.
Electric plug. E. E. Weed. 2,076,136; Apr. 6.
Electric switch. J. P. Ruth. 2,076,162; Apr. 6.
Electric switch, Reciprocating. H. A. Douglas. 2,076,073; Apr. 6.
Electrical connecter. W. J. Bauroth. 2,076,261; Apr. 6.
Electrical connection. E. P. Allabach. 2,075,794; Apr. 6.
Electrical meter installation. A. J. Allen. 2,076,492; Apr. 6.
Elements from shafts, Separating. W. H. Curtiss. 2,075,792; Apr. 6.
Elevating table. W. G. Reynolds and G. Schubach. 2,076,186; Apr. 6.
Emergency appliance. W. J. Gold. 2,075,934; Apr. 6.
Enamel ware and forming the same, Porcelain. D. D. Wheeler. 2,076,329; Apr. 6.
Engine: *See*—
Diesel engine. Oil engine.
Internal combustion engine.
Engine cooling and cowling. R. Chilton. 2,076,225; Apr. 6.
Engine cowling and cooling. W. B. Goodman and W. L. Losson. 2,076,232; Apr. 6.
Engine cylinder cover. C. W. Dake. 2,076,068; Apr. 6.
Envelope for an electric device. C. T. Ulrey. 2,076,012; Apr. 6.
Equipoising mechanism. G. Carwardine. 2,076,446; Apr. 6.
Escape from submerged craft, Facilitating. A. Belloni. 2,076,219; Apr. 6.
Esterification process. W. J. Bannister. 2,076,111; Apr. 6.
Explosive, Liquid oxygen. H. Sauvage. 2,076,279; Apr. 6.
Extension table, Drop leaf swivel top. N. Beklus. 2,075,881; Apr. 6.
Extraction of products in solution by means of solvents, Process and apparatus for the. H. M. Guinot. 2,076,126; Apr. 6.
Extruding machine. T. S. Vierow. 2,076,284; Apr. 6.
Fabric with one or more inextensible zones, Elastic. L. Roques. 2,076,350; Apr. 6.
Fabrics, Finishing knit. C. Dreyfus. 2,075,887; Apr. 6.
Fastenings, Method of and machine for inserting. J. T. Lancaster. 2,075,903; Apr. 6.
Filaments, threads, ribbons or the like by the dry spinning method, Production of artificial. H. Dreyfus. 2,075,888; Apr. 6.
Film, Developing photographic. H. L. Dazey. 2,076,070; Apr. 6.
Film-forming means in vacuum system for removing impurities from oils. J. Farwell. 2,076,498; Apr. 6.
Films, Apparatus for producing cinematographic combination. W. Thorner. 2,076,103; Apr. 6.
Filter: *See*—
Gas filter. Wave filter.
Sheet filter.
Filter. W. U. Vinton. 2,076,104; Apr. 6.
Filter battery control, Water. E. Pick. 2,076,322; Apr. 6.
Finish, Heat resisting. M. L. Michaud. 2,076,183; Apr. 6.
Firing attachment for automatic guns, Blank ammunition. R. R. Studler. 2,075,837; Apr. 6.
Firing mechanism. J. M. King. 2,075,813; Apr. 6.
Fisherman's fly box. C. W. Perkins and P. M. Van Osten. 2,076,157; Apr. 6.
Fishing reel. J. V. Schafer. 2,076,097; Apr. 6.
Flange for shockproof X-ray units, Oil tight. P. E. Sacks. 2,076,252; Apr. 6.
Flap operating means. A. L. Klein. 2,076,150; Apr. 6.
Flashlight. J. W. Bellamy. 2,076,495; Apr. 6.
Float switch. R. Y. Foxwell. 2,076,454; Apr. 6.
Floor covering. G. F. Duryee. 2,076,122; Apr. 6.
Flow bean. C. E. Kirk. 2,076,465; Apr. 6.
Flowerpot cover. V. A. Doty. 2,076,450; Apr. 6.
Fluid pump. H. J. Gerdau. 2,075,843; Apr. 6.
Flush handle latch. R. P. Kuszmaul. 2,075,948; Apr. 6.
Food handling apparatus. F. W. Amon. 2,076,440; Apr. 6.
Food handling apparatus. H. L. Johnston. 2,075,851; Apr. 6.
Food molding machine, Ground and chopped. J. Wiley. 2,076,488; Apr. 6.
Food product and process of preparation. A. S. Leo. 2,076,036; Apr. 6.
Footwear, Article of. D. W. Wiggin. 2,076,285; Apr. 6.
Frame: *See*—
Locomotive bed frame. Loom harness frame.
Frequency modulation. R. Bechmann and H. Elstermann. 2,076,289; Apr. 6.
Friction clutch. D. T. Brock. 2,076,425; Apr. 6.
Fruit washing. E. M. Wayland. 2,076,487; Apr. 6.
Fuel briquettes, Forming. J. A. Albrecht. 2,076,315; Apr. 6.
Fuel by distillation, Improving the knock rating of motor. J. M. Smith. 2,076,519; Apr. 6.
Fuel injection system. J. R. Lemon. 2,075,949; Apr. 6.
Fuel injection system for internal combustion engines. B. Walker. 2,075,877; Apr. 6.
Fuels, Treating solid. C. Ellis. 2,076,497; Apr. 6.
Furnace: *See*—
Electric induction furnac
Furnace. C. E. Beery. 2,076,061; Apr. 6.
Furnace and method of heat treating, Heat treating. L. N. Davis. 2,075,929; Apr. 6.
Fuse construction. G. R. Goodwin. 2,075,935; Apr. 6.
Game. B. T. String. 2,076,010; Apr. 6.
Game apparatus, Race. B. W. and H. S. Williams. 2,076,054–5; Apr. 6.
Game, Parlor baseball. G. F. Reichel. 2,075,960; Apr. 6.
Game timer. J. H. Fleer. 2,076,453; Apr. 6.
Garden tool. M. Cyganick. 2,076,120; Apr. 6.
Garment, Foundation. H. Wipperman. 2,076,169; Apr. 6.
Garment hanger. J. H. Cournyer. 2,076,174; Apr. 6.
Garment press. O. W. Schaum. 2,076,165; Apr. 6.
Gas burning unit. W. E. MacKenzie. 2,076,155; Apr. 6.
Gas filter. R. Strindberg. 2,076,304–5; Apr. 6.
Gas purification. J. W. Hayes and A. J. Kallfelz. 2,076,235; Apr. 6.
Gas valve, Thermostatically controlled. A. G. Schaefer. 2,076,045; Apr. 6.
Gaseous discharge device, Electric. H. W. H. Warren, L. J. Davies, and J. H. Mitchell. 2,076,286; Apr. 6.
Gases, Compressing. S. L. Handforth. 2,075,984; Apr. 6.
Gasket strips, Making. J. J. McKay. 2,075,858; Apr. 6.
Gasoline by distillation, Manufacturing. J. H. W. Rost van Tonningen. 2,076,214; Apr. 6.
Gate. A. B. Pinard. 2,076,092; Apr. 6.
Gearing and conditioning the same. M. B. Morgan. 2,075,995; Apr. 6.
Generator: *See*—
Alternating current generator. Pressure generator.
Gland hormone derivatives of the formula $C_{18}H_{26}O_2$ and making same, Germinal. W. Schoeller, F. Hildebrandt, and E. Schwenk. 2,075,868; Apr. 6.
Glauconite, Altering. W. M. Bruce. 2,076,443; Apr. 6.
Glazier's tool. C. Ross. 2,076,134; Apr. 6.
Golf balls, Making. J. M. Oldham. 2,076,412; Apr. 6.
Golf club. W. J. Hadden. 2,076,340; Apr. 6.
Governor, Automatic air motor. R. Swanson. 2,076,520; Apr. 6.
Grass killer, Quitch. J. F. Devlin. 2,076,447; Apr. 6.
Gravel pack about well screens in wells, Forming a.. H. O. Williams. 2,076,490; Apr. 6.
Gravel pack about well screens in wells, Providing and forming a. H. O. Williams. 2,076,489; Apr. 6.
Greasing unit. S. W. Buckley. 2,076,444; Apr. 6.
Grinder, Oscillation. F. D. Van Norman. 2,076,508; Apr. 6.
Grinder, Rail. M. Moore. 2,076,089; Apr. 6.
Grip, Electrical-service-cable. C. A. Bay. 2,076,359; Apr. 6.
Guide, Belt. H. M. Ostertag. 2,076,413; Apr. 6.
Guide, Drill bit. R. Miller. 2,016,039; Apr. 6.
Gypsum board. J. M. Porter and G. H. Way. 2,076,349; Apr. 6.
Gyroscopic indicating and control device. W. R. Blair. 2,075,797; Apr. 6.
Hair curling and waving device. R. G. List. 2,076,521; Apr. 6.
Hair curling device. B. E. Beadle. 2,075,880; Apr. 6.
Hair drying apparatus. V. C. Norquist. 2,076,040; Apr. 6.
Hair waving pad. E. G. McDonough. 2,076,156; Apr. 6.
Handbag, Lady's. H. Felmann. 2,076,452; Apr. 6.
Handle: *See*—
Valve handle.
Handle and latch mechanism. L. Ottinger. 2,075,829; Apr. 6.
Hanger: *See*—
Garment hanger.
Hanger attachment, Coat. P. E. Melby. 2,076,133; Apr. 6.
Hat holder. E. W. Wood. 2,075,970; Apr. 6.
Hat holder, Adjustable wire formed. S. Thornton. 2,076,326; Apr. 6.
Hat sizing, Method and apparatus for. R. K. Reynolds. 2,076,093; Apr. 6.
Heat transfer apparatus and refractory wall structure therefor. A. E. Nash. 2,075,863; Apr. 6.
Heater: *See*—
Automobile heater. Water heater.
Heating and ventilating. C. C. Carson. 2,076,399; Apr. 6.
Heating apparatus, Gaseous fuel consuming. F. Henneböhle. 2,075,986; Apr. 6.
Heating, lighting, and power system. O. Minton. 2,076,382; Apr. 6.
Heating pad. W. G. Shelton. 2,076,050; Apr. 6.
Heating system. P. E. Seepe. 2,076,518; Apr. 6.
Holder: *See*—
Check holder. Necktie holder.
Copy holder. Piezoelectric crystal holder.
Cravat holder.
Hat holder.
Holder for mill screens. G. C. J. Gray. 2,076,297; Apr. 6.
Holder for pencils, Paper. E. A. Lar Rieu, Jr. 2,076,035; Apr. 6.
Holder for timepieces, Display. E. L. Carlson. 2,076,292; Apr. 6.

Holding means for knitting machine elements. K. Howie. 2,076,128; Apr. 6.
Hopper, Dust-return. J. A. Eades. 2,075,931; Apr. 6.
Horizontal extrusion press. R. W. Dinzl and J. C. Graf. 2,075,803; Apr. 6.
Horse-shoeing device. H. Deal. 2,075,793; Apr. 6.
Humidifier. J. E. Myers. 2,075,862; Apr. 6.
Hydraulic screw clutch. H. I. Downes. 2,076,075; Apr. 6.
Hydrocarbons, Polymerization of unsaturated. S. Langedijk and A. J. van Peski. 2,076,201; Apr. 6.
Ice creeper. E. H. Anshelm. 2,076,260; Apr. 6.
Ignition device for gas burners. G. C. Smith. 2,076,418; Apr. 6.
Ignition timer. G. J. Lang, J. F. Martin, and W. D. Crocker. 2,075,904; Apr. 6.
Indicating device for backlash eliminator. J. M. Dayton. 2,075,930; Apr. 6.
Injection combustion power machine with jet atomization and auxiliary chamber. W. Kähilenberger. 2,076,030; Apr. 6.
Instrument. A. F. Spitzglass. 2,076,100; Apr. 6.
Insulating material, Forming. A. H. French. 2,076,078; Apr. 6.
Insulating materials. A. Curs and H. Wolf. 2,076,295; Apr. 6.
Insulator for lamp hangers, Demountable. A. J. Thompson. 2,076,187; Apr. 6.
Intercommunicating system, Automatic. W. F. Davidson. 2,076,176; Apr. 6.
Internal combustion engine. A. Roth. 2,075,911; Apr. 6.
Iron, Cast. T. D. Kelly. 2,075,990; Apr. 6.
Iron, steel or steel alloys, Coating. C. A. Basore and D. T. Jones. 2,075,879; Apr. 6.
Ironing machine. A. O. McCollum. 2,076,346; Apr. 6.
Jack seating device. J. Gunn. 2,076,339; Apr. 6.
Joint: *See*—
Air cushion joint. Pipe joint.
Ball joint.
Joint packing and manufacture thereof. E. C. Emanuel. 2,076,401; Apr. 6.
Juices, Canning citrus and other. J. Henson. 2,076,459; Apr. 6.
Keyhole guide. R. A. Ringseis. 2,076,004; Apr. 6.
Knitting machine, Flat fashioned. K. Howie. 2,076,127; Apr. 6.
Label and forming same, Metallic foil. W. P. Suter and R. A. Tice. 2,076,212; Apr. 6.
Laboratory equipment. F. E. Streysman and M. T. Strikol. 2,076,485; Apr. 6.
Lacteal derivative. F. H. Clickner. 2,076,400; Apr. 6.
Laminated material and making same. A. Gams, K. Frey, and T. Sutter. 2,076,456; Apr. 6.
Lamp. C. C. Keller and E. L. Canfield. 2,076,032; Apr. 6.
Last. G. A. Sweet. 2,075,916; Apr. 6.
Lasting machine. B. Jorgensen. 2,075,852; Apr. 6.
Latch: *See*—
Flush handle latch.
Laundry, Packaging. W. C. Krout. 2,076,467; Apr. 6.
Lawn mower wheel. J. M. Leake. 2,076,344; Apr. 6.
Laxative auxiliary food flakes and making same. T. W. Halliday. 2,075,846; Apr. 6.
Leatherboard, Making. H. W. Richter. 2,076,159; Apr. 6.
Lens for cameras, Stereoscopic or depth. J. F. Wiggin. 2,076,419; Apr. 6.
Lens, Ophthalmic. F. D. Kinney. 2,076,432; Apr. 6.
Lifting mechanism. L. von K. Hott. 2,076,027; Apr. 6.
Light: *See*—
Electric and flame light. Trailer light.
Light reflecting means. C. D. Ryder. 2,076,043–4; Apr. 6.
Light source, Primary. M. M. Hirsch. 2,076,026; Apr. 6.
Lighting system for automotive vehicles. H. A. Douglas. 2,076,074; Apr. 6.
Liquid, Device for cooling or warming a. P. Schlumbohm. 2,075,831; Apr. 6.
Liquid dispensing device. H. L. Blum. 2,076,263; Apr. 6.
Liquids, Improving the viscosity of certain fatty. O. W. Hunter. 2,076,372; Apr. 6.
Load producing means, Hydraulic. G. S. von Heydekampf. 2,075,968; Apr. 6.
Lock: *See*—
Door lock.
Locomotive bed frame, Electric. H. Glaenzer and L. L. Neebe. 2,076,231; Apr. 6.
Loom. C. Marsden. 2,076,345; Apr. 6.
Loom harness frame. J. J. Kaufmann, Jr. 2,076,148; Apr. 6.
Looms, Heddle structure for. H. L. Thompson. 2,076,167; Apr. 6.
Lubrication system. R. W. Zercher. 2,076,332; Apr. 6.
Machine and method for the marginal notching of paper sheets. N. H. Nelson. 2,076,436; Apr. 6.
Machine and method for use in binding paper pads. N. H. Nelson. 2,076,435; Apr. 6.
Machine for attaching wires to floral sticks or the like. J. R. Nolan. 2,075,826; Apr. 6.
Machine for compressing cotton wads. J. A. Voss. 2,076,389; Apr. 6.
Machine for crimping metal. J. E. Dressing. 2,076,228; Apr. 6.
Machine for forming curved surfaces on heels and the like. B. T. Gialdini. 2,076,123; Apr. 6.
Machine for operating upon heellifts and rands. J. B. Hadaway and C. F. Fitzgerald. 2,075,938; Apr. 6.
Machine for operating upon shoe soles. C. M. Bagshaw. 2,075,924; Apr. 6.
Machine for separating seeds or the like. D. Franks. 2,076,455; Apr. 6.
Machine for treating yarn in skein form. W. F. Guiman. 2,076,429; Apr. 6.
Machine tool. W. H. Feeney. 2,076,179; Apr. 6.
Magnetic properties of silicon steel, Improving the. F. Pawlek and O. Dahl. 2,076,383; Apr. 6.
Magnetron. G. R. Kilgore. 2,075,855; Apr. 6.
Mail catcher, Aerial. J. Mores. 2,076,476; Apr. 6.
Marker, Grave. J. Martin. 2,075,859; Apr. 6.
Massage instrument. J. J. McGerry. 2,076,410; Apr. 6.
Masticable material. J. O. Barker. 2,076,112; Apr. 6.
Match strip. D. E. Wilson. 2,076,137; Apr. 6.
Material, Method of and apparatus for dissolving. F. U. Neat. 2,076,478; Apr. 6.
Measurement of distances by echo reception, Methods. A. B. Wood, F. D. Smith, and J. A. McGeachy. 2,076,330; Apr. 6.
Meat tenderer. D. L. Doherty and D. G. Rose. 2,076,139; Apr. 6.
Medicinal treatment device. G. W. Hipsley. 2,076,461; Apr. 6.
Member of a clutch, Driven. M. Katcher. 2,076,373; Apr. 6.
Mercerizing assistants. D. H. Powers and H. W. Stiegler. 2,076,303; Apr. 6.
Metal apparatus for extruding. R. E. Horley. 2,076,199–200; Apr. 6.
Metal bodies, Manufacturing. T. Millner and P. Tury. 2,076,381; Apr. 6.
Metallic surfaces, Heat treating plane and unidimensional curved. A. B. Kinzel. 2,076,515; Apr. 6.
Meter: *See*—
Detachable meter.
Mill: *See*—
Pulverizing mill.
Mining apparatus. C. F. Osgood. 2,075,954; Apr. 6.
Mining machine. W. W. Sloane. 2,075,870; Apr. 6.
Mixer. W. M. Ryan and J. W. Bold. 2,076,163; Apr. 6.
Modulation. H. O. Roosenstein. 2,076,351; Apr. 6.
Moisture tester and method. A. L. Berry. 2,076,441; Apr. 6.
Molten metal pump. W. A. S. Harmon. 2,075,895; Apr. 6.
Motor and constructing same, Synchronous. C. L. Farrand. 2,075,893; Apr. 6.
Motor compressor, Crankless. R. Witkiewicz and A. Wiciński. 2,076,258; Apr. 6.
Mount for wing guns. R. A. Swalm and C. R. O. P. Heintze. 2,076,256; Apr. 6.
Mounting, Engine. G. W. Lampman. 2,076,034; Apr. 6.
Mounting, Engine. E. O. Schjolin. 2,076,046; Apr. 6.
Mounting for grip cords. A. Rydquist. 2,076,417; Apr. 6.
Mounting, Ophthalmic. C. E. H. Colliander. 2,076,293–4; Apr. 6.
Mower, Power. A. F. Woodford. 2,076,056; Apr. 6.
Necktie holder. R. T. Bjork. 2,076,333; Apr. 6.
News and advertisement exhibiting. A. A. Johnson. 2,076,029; Apr. 6.
Nozzle, Cement gun. H. Sampel. 2,075,867; Apr. 6.
Nozzle, Fluid jet. M. E. Callander. 2,076,445; Apr. 6.
Oil cracking process. W. A. S. Harmon. 2,075,896; Apr. 6.
Oil, Dehazing furnace. R. Z. Williams. 2,076,392; Apr. 6.
Oil, Dewaxing of. L. D. Jones. 2,076,147; Apr. 6.
Oil engine. C. L. Cummins. 2,076,226; Apr. 6.
Oil interceptor. S. L. Marsh. 2,076,380; Apr. 6.
Oil, Lubricating. F. J. Licata. 2,076,153; Apr. 6.
Oil, Refining mineral. W. H. Voick. 2,076,105; Apr. 6.
Oil, Treatment of hydrocarbon. S. S. Johnson, Jr. 2,075,901; Apr. 6.
Oils, Treatment of hydrocarbon. G. Armistead, Jr. 2,076,394; Apr. 6.
Oleaginous stabilization by the ester of glycerin with phosphoric and higher fatty acid. A. K. Epstein and B. R. Harris. 2,075,807; Apr. 6.
Opener, Paper box. F. E. Smith. 2,076,007; Apr. 6.
Optical drilling tool. E. Leitz, Jr. 2,075,856; Apr. 6.
Organic compounds, Purification of halogenated. E. R. Hanson and S. Brown. 2,076,430; Apr. 6.
Organic materials stabilized by antioxidant from grains and cereals. S. Musher. 2,075,824; Apr. 6.
Ornaments, Manufacture of. L. K. Stupell. 2,076,387; Apr. 6.
Oscillator for super-regenerative receivers, Quenching. A. H. Turner. 2,076,168; Apr. 6.
Outsole for sport shoes, Removable. E. M. Beals, Jr. 2,076,316; Apr. 6.
Oven. W. L. O'Neill. 2,076,091; Apr. 6.
Oven switch. E. E. Engelhardt and G. A. Nickel. 2,076,268; Apr. 6.
Oxyfluoride of nitrogen. G. H. Cady. 2,076,364; Apr. 6.
Package. G. K. S. Ferguson. 2,076,018; Apr. 6.
Package banding tool. H. C. Porter. 2,076,276; Apr. 6.

Packaging. G. P. White. 2,076,052; Apr. 6.
Packer. R. T. Roye. 2,075,912; Apr. 6.
Packer, Multiple ring. G. Meyer. 2,076,301; Apr. 6.
Packing cup. A. Brunner. 2,076,363; Apr. 6.
Pad: *See*—
Hair waving pad. Heating pad.
Panel and joint construction. E. C. Herrington. 2,076,404; Apr. 6.
Paper and forming same, Reenforced. F. W. Humphner. 2,076,343; Apr. 6.
Paper or fabrics, Apparatus for the drying of. F. W. Partsch. 2,076,415; Apr. 6.
Paper or sheet, Coated. A. L. Spafford. 2,075,835; Apr. 6.
Paper supply controlling attachment for typewriting machines and the like. C. R. Mabon. 2,075,993; Apr. 6.
Parking device. J. L. Barr. 2,075,926; Apr. 6.
Parking device. A. F. Jackson. 2,075,900; Apr. 6.
Partition, Case. R. Mattick. 2,076,408; Apr. 6.
Patching device and method. P. A. Janssens. 2,076,431; Apr. 6.
Pen. A. D. Robinson. 2,075,828; Apr. 6.
Pencil, Magazine. J. A. Leimer. 2,076,470; Apr. 6.
Percolator, Electric. A. O. Samuels and A. D. Keene. 2,076,096; Apr. 6.
Period computing device. J. A. Marquis. 2,076,242; Apr. 6.
Petroleum products, Treating. F. L. Smith. 2,075,871; Apr. 6.
Phase modulation receiver. M. G. Crosby. 2,076,175; Apr. 6.
Phenyl mercury acetate and phenyl mercury hydroxide, Manufacture of. L. S. Bake. 2,075,971; Apr. 6.
Phonograph. W. S. Fridell. 2,075,981; Apr. 6.
Phonograph apparatus, Automatic. P. H. Smythe, Jr. 2,076,255; Apr. 6.
Phonographic system. O. M. Dunning and R. M. Somers. 2,075,978; Apr. 6.
Photographic apparatus. Ö. Riszdorfer. 2,076,482; Apr. 6.
Phthalic anhydride recovery. W. H. Kniskern. 2,076,033; Apr. 6.
Pictures for viewing in stereoscopic relief, Projection of. C. W. Kanolt. 2,075,853; Apr. 6.
Pies, Method of and machine for wrapping. A. Bodor. 2,076,291; Apr. 6.
Piezoelectric crystal holder. R. Bechmann and W. Schneider. 2,076,060; Apr. 6.
Pipe construction, Composite. J. A. Stadtfeld. 2,076,210; Apr. 6.
Pipe joint. E. Kennedy. 2,075,947; Apr. 6.
Piston. J. A. Buchanan. 2,076,118; Apr. 6.
Piston member. H. E. Muchnic. 2,076,302; Apr. 6.
Piston ring. L. A. Safford. 2,076,164; Apr. 6.
Piston ring expander, Constant expansion. A. F. White. 2,076,310; Apr. 6.
Platform, Sign process. J. N. Halsted. 2,076,023; Apr. 6.
Plow. C. G. Strandlund. 2,076,051; Apr. 6.
Plug: *See*—
Bridging plug. Spark plug.
Electric plug.
Plug and retrieving tool therefor, Bridging. A. J. Zschokke. 2,076,313; Apr. 6.
Plug and setting tool therefor, Bridging. A. J. Zschokke. 2,076,314; Apr. 6.
Polyvinyl derivatives containing nitrogen, Manufacturing. H. Rein. 2,076,130–1; Apr. 6.
Pouring spout container. J. M. Hothersall. 2,075,848; Apr. 6.
Power supply system, High frequency. G. W. Fyler. 2,076,368; Apr. 6.
Power transmission mechanism. W. F. Boldt and G. H. Thomas. 2,076,362; Apr. 6.
Predicting device. J. C. Karnes. 2,075,854; Apr. 6.
Press: *See*—
Garment press. Printing press.
Horizontal extrusion press. Rotary printing press.
Press rolls, Device for observing the operation of. O. Rolls. 2,076,095; Apr. 6.
Pressure generator. M. C. Hutto. 2,075,849; Apr. 6.
Prime mover. T. J. Rees. 2,076,480; Apr. 6.
Printing machine. J. A. Carlson. 2,076,064; Apr. 6.
Printing mechanism. K. J. Dollahite. 2,076,177; Apr. 6.
Printing mechanism. N. D. Luckie. 2,076,474; Apr. 6.
Printing plates, Producing. J. A. Bennett. 2,076,220; Apr. 6.
Printing press, Photogravure plate. W. Mallinder. 2,076,203; Apr. 6.
Projection objective. D. L. Wood. 2,076,190; Apr. 6.
Propane dewaxing. H. O. Forrest. 2,076,141; Apr. 6.
Propeller. G. F. Myers. 2,076,090; Apr. 6.
Protector: *See*—
Watch protector.
Pulverizing mill. E. G. Bailey, P. R. Cassidy, and R. M. Hardgrove. 2,076,288; Apr. 6.
Pump: *See*—
Fluid pump. Molten metal pump.
Race and roller transmission mechanism. J. O. Almen. 2,076,057; Apr. 6.
Radiator. F. H. Kane and W. R. Milner. 2,076,031; Apr. 6.
Radio receiver, Multirange. W. van B. Roberts. 2,075,962; Apr. 6.
Radio system, Directive. E. Bruce. 2,076,222; Apr. 6.
Rail and heat treating the same, Heat treated. H. S. George. 2,075,842; Apr. 6.
Railway crossing. J. J. Greely. 2,076,338; Apr. 6.
Rails and building up the same, Built-up. H. S. George. 2,075,810; Apr. 6.
Rails, Heat treating. H. S. George. 2,075,983; Apr. 6.
Rails, Method of and apparatus for heat treating. H. S. George. 2,075,982; Apr. 6.
Rancidity, Retardation of. A. K. Epstein and B. R. Harris. 2,075,806; Apr. 6.
Reaper-thresher machine. H. M. Johnston. 2,075,946; Apr. 6.
Receptacles, Apparatus for cleaning. W. G. Black. 2,076,262; Apr. 6.
Reel: *See*—
Fishing reel.
Refrigerating and power actuated device, Combined. H. R. Van Deventer and S. C. McKeown. 2,075,840; Apr. 6.
Refrigerating, Apparatus for. R. Reinhart. 2,076,277; Apr. 6.
Refrigerating device. R. N. Gaschke. 2,076,142; Apr. 6.
Refrigeration. S. W. E. Andersson. 2,076,058; Apr. 6.
Refrigerator apparatus, Mechanical. L. L. Torrey. 2,075,838; Apr. 6.
Refrigerator, Fully automatic. O. Zehnder. 2,075,922; Apr. 6.
Register, Multiple totalizing. M. M. Borden. 2,076,442; Apr. 6.
Regulating apparatus. J. W. Armour and L. V. Andrews. 2,076,393; Apr. 6.
Regulating device. A. W. Vance. 2,075,966; Apr. 6.
Regulator: *See*—
Current regulator.
Remote control device. E. L. Barrett. 2,075,972; Apr. 6.
Resins and making same, White synthetic. C. Ellis. 2,075,804; Apr. 6.
Rhinestone making machine. J. Moscini. 2,076,502; Apr. 6.
Ring: *See*—
Piston ring.
Rock drill. W. A. Smith, Jr. 2,076,355; Apr. 6.
Roller: *See*—
Trolley roller.
Roller cutter and antifriction bearing assembly for earth boring drills. C. E. Reed. 2,075,999–76,000; Apr. 6.
Roller cutter assembly for earth boring drills. C. E. Reed. 2,075,998; Apr. 6.
Roller cutter spindle and antifriction assembly. C. E. Reed. 2,076,001; Apr. 6.
Roller cutter, spindle and bearing assembly for earth boring drills. C. E. Reed. 2,075,997; Apr. 6.
Roofing. F. H. Bluhm. 2,076,014; Apr. 6.
Rotary cutter. H. M. Albee. 2,076,110; Apr. 6.
Rotary printing press. H. J. Luehrs. 2,076,241; Apr. 6.
Rubber grooming device. A. J. Teigeler. 2,075,964; Apr. 6.
Rubber sheet material and article made therefrom. V. H. Hurt. 2,075,945; Apr. 6.
Rudder for aircraft, Displaceable. J. Teisseyre and A. Zdaniewski. 2,076,283; Apr. 6.
Safe and protective means therefor. J. E. Hunnicutt. 2,076,085; Apr. 6.
Safety mechanism for railway car brake riggings. R. D. Smith. 2,076,325; Apr. 6.
Sampling device. T. Thorsten. 2,076,188; Apr. 6.
Saw filing device, Button machine. W. C. Protsman. 2,076,129; Apr. 6.
Screen attachment for hammer mills, Releasable. A. J. Hazle, Jr. 2,076,025; Apr. 6.
Screen suspension and operation, Shaker. O. G. Petersen. 2,076,348; Apr. 6.
Screw. E. Payne. 2,076,041; Apr. 6.
Sealing compound. G. R. Carlson and R. J. Stoetzel. 2,075,885; Apr. 6.
Sealing device for relatively rotatable parts. H. W. Alden. 2,076,218; Apr. 6.
Seat. D. C. Meyers. 2,075,821; Apr. 6.
Selecting device. W. Dillenbach. 2,076,335; Apr. 6.
Self-luminous instrument. J. E. Paul. 2,075,864; Apr. 6.
Service box. G. H. Clay. 2,076,066; Apr. 6.
Sewing machine feed-dog mechanism. H. F. Briggs. 2,075,973; Apr. 6.
Sewing machines, Thread pull-off device for buttonhole. J. H. Pikul. 2,076,185; Apr. 6.
Sharpener, Razor blade. J. R. Dickey. 2,076,266; Apr. 6.
Sharpening device for lawnmowers, Automatic. W. B. White. 2,076,311; Apr. 6.
Sheet filter. G. H. Seitz. 2,076,049; Apr. 6.
Sheet, Manufacture of coated. A. L. Spafford. 2,075,836; Apr. 6.
Sheet material. M. J. Vittengl. 2,075,967; Apr. 6.
Sheet segregating apparatus. D. H. Whitehead. 2,076,391; Apr. 6.
Shelf, Refrigerator. C. N. Smith, H. G. Smith, and C. A. Bauer. 2,076,099; Apr. 6.
Shielding system. A. E. Bowen. 2,075,927; Apr. 6.
Shielding system. J. R. Traves. 2,075,965; Apr. 6.
Shielding system. G. Wascheck. 2,075,920; Apr. 6.
Shock absorber. M. Kessler. 2,075,991; Apr. 6.
Shoe bottom units, Manufacture of. R. E. Hopkins. 2,075,940; Apr. 6.

Shoe construction. J. J. White. 2,076,107; Apr. 6.
Shoe heel and decorative cover therefor. H. Huffman. 2,076,514; Apr. 6.
Shoe soles, Operating upon. C. M. Bagshaw. 2,075,923; Apr. 6.
Shoe, Tap dancing. C. N. Larsen. 2,075,905; Apr. 6.
Shoes, Method and means for use in the manufacture of. C. F. Pym. 2,075,908; Apr. 6.
Shutter drive. G. F. Rackett. 2,075,909; Apr. 6.
Shuttle. R. H. Boardman. 2,076,424; Apr. 6.
Sight for guns, Rear. A. Sherman. 2,076,006; Apr. 6.
Sign: *See*—
Street sign.
Sign process table. J. N. Halsted. 2,076,024; Apr. 6.
Signal: *See*—
Traffic signal.
Signaling distortion indicating and measuring device. R. B. Hearn. 2,075,897; Apr. 6.
Signaling, Railway. E. M. Allen. 2,076,317; Apr. 6.
Signaling, Railway. R. R. Kemmerer. 2,076,319; Apr. 6.
Signaling, Railway. R. A. McCann. 2,076,318; Apr. 6.
Signaling, Railway. G. R. Pflasterer. 2,076,320; Apr. 6.
Silo, Stave. W. H. Smith. 2,075,872; Apr. 6.
Sizing device, Electrically operated. A. L. Johnson. 2,075,902; Apr. 6.
Skeleton structure for railway cars. F. Heyner and C. Stedefeld. 2,075,939; Apr. 6.
Solderless wire connecter. R. N. Rowe. 2,076,209; Apr. 6.
Sound reproducing apparatus. E. R. Harris. 2,076,298; Apr. 6.
Sounds, Production of complex. M. Davis. 2,075,802; Apr. 6.
Spark plug. L. J. McKone. 2,076,038; Apr. 6.
Speed gearing, Variable. J. Wooler. 2,076,438; Apr. 6.
Speed reduction power unit. C. E. Broome. 2,076,015; Apr. 6.
Speed synchronizing device. D. E. and E. F. Lewellen. 2,076,202; Apr. 6.
Speel. H. C. Howsam. 2,076,083–4; Apr. 6.
Spot and floodlight projector apparatus. J. Levy. 2,076,240; Apr. 6.
Spring cover. G. W. Crabtree. 2,075,799–800; Apr. 6.
Spring, Forming a volute. H. A. Knox. 2,075,815; Apr. 6.
Sprinkler, Automatic. A. J. Loepsinger and H. E. Rose. 2,075,816; Apr. 6.
Sprinkler head for automatic sprinkler systems. A. C. Rowley. 2,076,483; Apr. 6.
Stabilizing and gas conversion process, Combined. M. P. Youker. 2,076,013; Apr. 6.
Stand: *See*—
Display stand.
Starter, Motor. E. C. Phillips. 2,075,865; Apr. 6.
Station announcer and advertising medium. A. Partman and A. Plihcik, Jr. 2,076,206; Apr. 6.
Staybolt assemblage and cap therefor. G. P. Robinson. 2,076,160; Apr. 6.
Sterilizing. P. M. Gross and L. F. Dixon. 2,075,845; Apr. 6.
Stiffener for collars. C. Frederick. 2,076,196; Apr. 6.
Stop for separable fasteners, Top. J. L. Larroque. 2,076,501; Apr. 6.
Stop, Railway control auto. E. S. Evans. 2,075,892; Apr. 6.
Stopper, Ladle. A. Matta. 2,076,475; Apr. 6.
Straightedge. A. J. la Croix. 2,076,300; Apr. 6.
Strand material, Method of and apparatus for handling. H. W. Jespersen. 2,076,237; Apr. 6.
Strap: *See*—
Brake beam safety strap.
Strap rolling means. T. E. Hall. 2,076,458; Apr. 6.
Street sign. A. H. Gottlieb. 2,076,081; Apr. 6.
Striker plate for door latch bolts. C. J. McKinney. 2,075,820; Apr. 6.
Stripe on highways, Apparatus for spraying a center. R. Bowden. 2,076,172; Apr. 6.
Suction cleaner. H. B. White. 2,076,390; Apr. 6.
Sulphur acid esters of unsaturated alcohols. A. O. Snoddy and W. S. Martin. 2,075,914; Apr. 6.
Sulphur dioxide, Production of. E. J. Mullen and C. A. Gallagher. 2,075,823; Apr. 6.
Superphosphate, Nitrifying. H. A. Curtis. 2,075,801; Apr. 6.
Supply means for tanks and other receptacles. R. J. Minns. 2,075,994; Apr. 6.
Support: *See*—
Arch support.
Web roll support.
Switch: *See*—
Electric switch.
Oven switch.
Float switch.
Time switch.
Synchronizing system. J. W. Horton and D. M. Terry. 2,075,898; Apr. 6.
Syringe needle hub, Hypodermic. F. S. Dickinson. 2,076,121; Apr. 6.
Table: *See*—
Elevating table.
Sign process table.
Extension table.
X-ray tilt table.
Tag. F. J. Kernan. 2,076,149; Apr. 6.
Tamping machine. E. F. Muller. 2,076,245; Apr. 6.
Tank for aircraft, Fuel. C. de Ganahl. 2,075,977; Apr. 6.
Tar, Treatment of. A. H. Radasch and W. M. Bywater. 2,075,866; Apr. 6.
Target. A. R. Stowell. 2,076,135; Apr. 6.
Telephone set. E. S. McLarn. 2,076,244; Apr. 6.
Telephone system. G. C. Hartley and W. J. Reynolds. 2,076,234; Apr. 6.
Television. C. Selz. 2,076,253; Apr. 6.
Television apparatus. H. R. Lubcke. 2,075,818; Apr. 6.
Temperature control device. F. M. Kern. 2,076,406; Apr. 6.
Tension roll device. H. A. W. Wood. 2,076,421; Apr. 6.
Therapeutic product and process. H. C. Hagedorn, B. N. Jensen, and I. Wodstrup-Nielsen. 2,076,082; Apr. 6.
Thermostat. A. A. Strand. 2,075,873; Apr. 6.
Thread, Covered elastic. T. Harris. 2,076,271; Apr. 6.
Thead, Elastic. T. Harris. 2,076,273; Apr. 6.
Threads, Making covered elastic. T. Harris. 2,076,270; Apr. 6.
Tie plate. A. F. Fifield. 2,076,019; Apr. 6.
Time switch. F. W. Hottenroth, Jr., W. P. Blanchard, and G. W. Sprenger. 2,076,371; Apr. 6.
Timing mechanism. C. G. Bliss. 2,076,290; Apr. 6.
Tissues, Method of and apparatus for drying carbon. G. A. Friess. 2,076,367; Apr. 6.
Toaster, Automatic. D. J. O'Connell. 2,076,479; Apr. 6.
Tomato coring and peeling machine. C. F. Deitz. 2,076,496; Apr. 6.
Tongs, Lifting. L. A. Camerota and J. Matlack. 2,076,494; Apr. 6.
Tool: *See*—
Combination tool.
Optical drilling tool.
Garden tool.
Package banding tool.
Glazier's tool.
Woodworking tool.
Machine tool.
Top for automobiles, Collapsible. W. Marshall and D. A. Fryer. 2,076,243; Apr. 6.
Track construction, Monolithic. F. H. Lehecka and D. P. Steward. 2,076,469; Apr. 6.
Traffic signal. A. A. Blue. 2,076,396; Apr. 6.
Trailer light. E. J. Fraser. 2,076,020; Apr. 6.
Transmission, Combined hand and automatically controlled. G. L. Brown. 2,075,798; Apr. 6.
Transmission, Hydraulic. L. E. Hughes. 2,075,944; Apr. 6.
Transmission regulation. F. A. Brooks. 2,075,975; Apr. 6.
Tray, Freezing. H. H. Richter. 2,076,208; Apr. 6.
Trimming and stitching machine. G. M. Eames. 2,076,178; Apr. 6.
Trolley contactor. S. S. Stolp and R. C. Sutton. 2,076,101; Apr. 6.
Trolley roller. A. W. Lemmon. 2,076,239; Apr. 6.
Trousers slacks. M. C. Bohr. 2,075,928; Apr. 6.
Tube: *See*—
Cathode ray tube.
Tube control, Thermionic. V. Tarzian. 2,076,102; Apr. 6.
Tube making apparatus. A. P. Diescher. 2,075,886; Apr. 6.
Tube testing device, Inner. A. E. Lookholder. 2,076,037; Apr. 6.
Tubes or bobbins of the kind used in the textile industry for receiving the yarn, Device for producing. F. Fallscheer. 2,076,451; Apr. 6.
Tubing and apparatus therefor, Treatment of restricted flow. W. G. Winkler and A. G. Bruck. 2,075,921; Apr. 6.
Turntable. G. Waalkes. 2,075,918; Apr. 6.
Typewriter. F. Honnelke. 2,076,198; Apr. 6.
Typewriting and computing machine, Combined. A. G. F. Kurowski. 2,076,152; Apr. 6.
Urea condensation plastic, Molding. C. Ellis. 2,075,805; Apr. 6.
Utensil, Cooking. R. T. Faunce. 2,076,140; Apr. 6.
Utensil, Jacketed cooking. W. Woods. 2,076,437; Apr. 6.
Valve: *See*—
Automatic safety, shut-off valve.
Gas valve.
Valve. W. Czarnecki. 2,076,227; Apr. 6.
Valve. J. T. Fahey. 2,076,336; Apr. 6.
Valve. H. A. Kaufmann. 2,075,811; Apr. 6.
Valve. L. R. Nelson and C. C. Armstrong. 2,076,411; Apr. 6.
Valve actuation and control, Plural. E. Pick. 2,076,321; Apr. 6.
Valve and control therefor. S. L. Kerr and A. Greig. 2,075,812; Apr. 6.
Valve handle. W. P. Kliment. 2,076,151; Apr. 6.
Valves, Adjusting throttle. S. S. Weeks. 2,076,306; Apr. 6.
Vane, Antivibration. T. P. Wright. 2,076,259; Apr. 6.
Varnish compositions. V. H. Turkington. 2,075,839; Apr. 6.
Vehicle body. O. F. Graebner and A. H. Haberstump. 2,075,936; Apr. 6.
Vehicle, Convertible. A. J. Watt. 2,076,486; Apr. 6.
Vehicle for collecting refuse. J. Ochsner. 2,076,504; Apr. 6.
Vehicle, Motor. W. R. Griswold. 2,076,180; Apr. 6.
Vehicle, Motor. O. L. Starr and H. S. Eberhard 2,076,009; Apr. 6.
Vending machine. A. J. Kloess. 2,076,299; Apr. 6.
Ventilator for double hung sash, Window. H. M. Gebhardt. 2,075,894; Apr. 6.
Vest, Bulletproof. A. H. Dunlap. 2,076,076; Apr. 6.
Voltage regulation. H. C. Grant, Jr. 2,076,499; Apr. 6.
Voltage tester. H. F. Mehaffie. 2,075,860; Apr. 6.

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NOTE.—First number = class, second number = subclass, third number = patent number

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A/S Einar Hausvik & Co., Bergen, Norway. Sardines. Serial No. 386,186; Apr. 13. Class 46.

Abraham & Straus, Inc., New York, N. Y. Girls' and children's coats, dresses, shoes, etc. Serial No. 354,456; Apr. 13. Class 39.

Administrative Publishing Company, Inc., Milwaukee, Wis. Magazines issued monthly. Serial No. 388,608; Apr. 13. Class 38.

Alba Pharmaceutical Company, Inc., New York, N. Y. Anti-asthmatic. Serial No. 388,630; Apr. 13. Class 6.

Allen, Slade & Co. Inc., Fall River, Mass. Canned fruits and vegetables, coffee, etc. Serial No. 389,050; Apr. 13. Class 46.

American Distilling Company, The, Pekin, Ill. Whiskey. Serial No. 387,773; Apr. 13. Class 49.

American Type Founders Sales Corporation, Elizabeth, N. J. Compound to be sprayed on sheets after they have been printed to prevent offsetting. Serial No. 387,935; Apr. 13. Class 6.

American Tobacco Company, The, New York, N. Y. Cigars. Serial No. 389,051; Apr. 13. Class 17.

Anderson Products, Incorporated, Cambridge, Mass. Air valves and valve fittings. Serial No. 382,460; Apr. 13. Class 13.

Angeles Fruit & Produce Co., Inc., Los Angeles, Calif. Fresh citrus fruits, fresh deciduous fruits and fresh vegetables. Serial No. 388,889; Apr. 13. Class 46.

Arlington Silk Hosiery Co. Inc., New York, N. Y. Hosiery. Serial No. 385,962; Apr. 13. Class 39.

Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. Serial No. 375,870; Apr. 13. Class 39.

Asheboro Hosiery Mills, Inc., Asheboro, N. C. Hosiery. Serial No. 385,964; Apr. 13. Class 39.

Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 387,885; Apr. 13. Class 6.

Aster Cash Markets Company, The, Akron, Ohio. Dressed poultry. Serial No. 387,852; Apr. 13. Class 46.

Auto City Brewing Company, Detroit and Hamtramck, Mich. Beer. Serial No. 383,697; Apr. 13. Class 48.

Bagnall, Howard E., doing business as Bagnall Company, Kansas City, Mo. Poisons. Serial No. 376,619; Apr. 13. Class 6.

Barnes, S. O., & Son, Gardena, assignor to Mildred M. Lager, doing business as Vegeminerals Company, Los Angeles, Calif. Dehydrated, powdered vegetables in tablet form. Serial No. 385,029; Apr. 13. Class 6.

Belle Chasse Candies. (See Elmer Candy Co., Inc.)

Bené, John, & Sons Inc., Brooklyn, N. Y. Peroxide of hydrogen. Serial No. 388,204; Apr. 13. Class 6.

Best Foods, Inc., The, New York, N. Y. Salad dressing and/or mayonnaise. Serial No. 354,021; Apr. 13. Class 46.

Best Foods, Inc., The, New York, N. Y. Mayonnaise and salad dressings. Serial No. 387,059; Apr. 13. Class 46.

Bielzoff, D. J., Products Company, Chicago, Ill. Gins, rum, kummel, etc. Serial No. 382,656; Apr. 13. Class 49.

Blass-Meyers Mfg. Co., Inc., New York, N. Y. Shirts, jackets, overalls, etc. Serial No. 386,478; Apr. 13. Class 39.

Bledsoe, Walter, & Company, Terre Haute, Ind. Coal. Serial No. 386,844; Apr. 13. Class 1.

Blue Anchor Beverage Company, Philadelphia, Pa. Beverages. Serial No. 388,428; Apr. 13. Class 45.

Bob, H. D., Company, Inc., New York, N. Y. Shirts, blouses, pajamas, etc. Serial No. 388,304; Apr. 13. Class 39.

Bond Pharmacals, Dallas, Tex. Ointment and lotion. Serial No. 388,181; Apr. 13. Class 6.

Borden Company, The, New York, N. Y. Shell eggs. Serial No. 387,697; Apr. 13. Class 46.

Breon, George A., & Company, Incorporated, Kansas City, Mo. Medicinal products. Serial No. 379,075; Apr. 13. Class 6.

British Celllynd Limited, London, England. Wrapping and packing paper, cardboard, and strawboard. Serial No. 385,247; Apr. 13. Class 37.

Brown Company, Portland, Maine, and Berlin, N. H. Cellulose fibers or pulps. Serial No. 389,052; Apr. 13. Class 1.

Bruns Publications, Inc., New York, N. Y. Sections or columns appearing in magazines, etc. Serial No. 388,561; Apr. 13. Class 38.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Brushes for billiard tables. Serial No. 389,452; Apr. 13. Class 29.

Caley, Wendell J., Philadelphia, Pa. Pocket books and wallets. Serial No. 389,010; Apr. 13. Class 3.

Camarillo Citrus Association, Camarillo, Calif. Fresh citrus fruits. Serial Nos. 389,113–4; Apr. 13. Class 46.

Catholic Digest, Inc., The, St. Paul, Minn. Monthly periodical. Serial No. 387,816; Apr. 13. Class 38.

Chopak Textile Co. Inc., New York, N. Y. Rayon and acetate cloth. Serial No. 389,172; Apr. 13. Class 42.

Cohen Bros. Corp., New York, N. Y. Sweaters and dresses. Serial No. 388,767; Apr. 13. Class 39.

College Inn Food Products Company, Chicago, Ill. Wines. Serial No. 388,260; Apr. 13. Class 47.

Collis Company, The, Clinton, Iowa. Fly swatters. Serial Nos. 388,669–73; Apr. 13. Class 50.

Collis Products Company, St. Paul, Minn. Poultry and stock feed. Serial No. 387,659; Apr. 13. Class 46.

Compton, Bates, New York, N. Y. Paper and cardboard. Serial No. 387,461; Apr. 13. Class 37.

Conn, David M., New York, N. Y. Hosiery. Serial No. 387,268; Apr. 13. Class 39.

Connelly, F. B., Company, Seattle, Wash. Oil burner. Serial No. 384,514; Apr. 13. Class 34.

Consumers Oil Company, Baltimore, Md. Petroleum products. Serial No. 388,433; Apr. 13. Class 15.

Curtis 1000 Incorporated, St. Paul, Minn. Paper. Serial No. 387,861; Apr. 13. Class 37.

Dahl, G. A., & Co., Brawley, Calif. Fresh vegetables. Serial Nos. 388,830–1; Apr. 13. Class 46.

Dain-Tee Food Products. (See Wynkoop, Albro G.)

David, John, New York, N. Y. Socks, undershirts, shirts, etc. Serial No. 388,052; Apr. 13. Class 39.

Davies-Young Soap Company, The, Dayton, Ohio. Quick-drying liquid wax. Serial No. 389,121; Apr. 13. Class 16.

Dennis, Martin, Company, The, Newark, N. J. Silk preserving oil. Serial No. 388,327; Apr. 13. Class 6.

Doak Company, The, Cleveland, Ohio. Chemical compound for dermato-therapeutic medication. Serial No. 387,967; Apr. 13. Class 6.

Donalds Limited, Inc., Jersey City, N. J. Tablets for the treatment of colds. Serial No. 384,788; Apr. 13. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compound. Serial No. 388,314; Apr. 13. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dyestuffs. Serial No. 389,209; Apr. 13. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds and brightening agents for zinc plating. Serial No. 389,210; Apr. 13. Class 6.

Earle, Marie, Inc., New York, N. Y. Foundation cream, mascara, eye shadow cream, etc. Serial No. 389,237; Apr. 13. Class 6.

Elmer Candy Co., Inc., doing business as Belle Chasse Candies, New Orleans, La. Candy. Serial No. 388,973; Apr. 13. Class 46.

Empire Druggist Co. (See Houtain, George J.)

Etablissements Pernod, Maisons Pernod Fils, Hemard & Pernod Pere & Fils Reunies (Societe Anonyme), Paris France. Cordials. Serial Nos. 389,554–5; Apr. 13. Class 49.

Evr-Klean Seat Pad Co., St. Louis, Mo. Seat covers and pads. Serial Nos. 388,924–6; Apr. 13. Class 32.

Evr-Klean Seat Pad Co., St. Louis, Mo. Seat covers and pads. Serial No. 388,928; Apr. 13. Class 32.

Faltonte, Inc., East Orange, N. J. Perfume. Serial No. 388,189; Apr. 13. Class 6.

Fleischl, Emil, & Son, New York, N. Y. Eggs. Serial No. 388,317; Apr. 13. Class 46.

Fletcher Paper Company, Alpena, Mich. Wrapping paper. Serial No. 389,061; Apr. 13. Class 37.

Florida Humus Company, Zellwood, Fla. Humus. Serial No. 388,568; Apr. 13. Class 1.

Flower City Specialty Company, Rochester, N. Y. Repair links for automobile tire chains. Serial No. 375,503; Apr. 13. Class 13.

Floyd-Wells Company, The, Royersford, Pa. Heating and cooking stoves, ranges, and heating furnaces. Serial No. 383,303; Apr. 13. Class 34.

Food Associates, Inc., Seattle, Wash. Canned fruits and canned fish. Serial No. 387,320; Apr. 13. Class 46.

Fritz, Edward B., Chicago, Ill. Magazine. Serial No. 387,180; Apr. 13. Class 38.

Funston, D., Company Chicago, Ill. Pharmacal preparation. Serial No. 388,570; Apr. 13. Class 6.

Gallant Frocks, Inc., New York, N. Y. Dresses. Serial No. 388,572; Apr. 13. Class 39.

Gamewell Company, The, Newton and Newton Upper Falls, Mass. Electrical fire alarm signaling systems and parts thereof. Serial No. 388,978; Apr. 13. Class 21.

Gartner, Harold H., doing business as Halgar, New York, N. Y., and Los Angeles, Calif. Printed letters, pamphlets, and brochures. Serial No. 381,202; Apr. 13. Class 38.

Gillette Safety Razor Company, Boston, Mass. Safety razor blades. Serial No. 388,833; Apr. 13. Class 23.

Giordano Bros., San Jose, Calif. Fresh fruit. Serial No. 384,069; Apr. 13. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Glendale Beverage Co., Kansas City, Mo. Beverages. Serial No. 353,644; Apr. 13. Class 45.
Goldbaum, Samuel, doing business as Lily Hat Company, New York, N. Y. Ladies' hats. Serial No. 374,517; Apr. 13. Class 39.
Goldfinger & Friedman, New York, N. Y. Women's and misses' coats. Serial No. 388,773; Apr. 13. Class 39.
Grafo Lubricants Corporation, Sharon, Pa. Lubricating oil and grease compound. Serial No. 388,393; Apr. 13. Class 15.
Greenfield's, E., Sons Inc., New York, N. Y. Candies and chocolates. Serial No. 388,191; Apr. 13. Class 46.
Halgar. (See Gartner, Harold H.)
Hershberger, W. P., San Luis Obispo, Calif. Spring water, distilled water, siphon water, etc. Serial No. 387,785; Apr. 13. Class 45.
Hoffmann-La Roche, Inc., Nutley, N. J. Vitamin B preparation. Serial No. 387,867; Apr. 13. Class 6.
Horn, A. C., Company, Long Island City, N. Y. Paint Product. Serial No. 388,004; Apr. 13. Class 16.
Houtain George J., doing business as Empire Druggist Co., Albany, N. Y. Magazine. Serial No. 388,319; Apr. 13. Class 38.
Hurwitz, Lew, Baltimore, Md. Nuts, peanuts, and peanut butter sandwiches. Serial No. 360,591; Apr. 13. Class 46.
Indictor, Kofsky & Haberman, Inc., New York, N. Y. Women's coats. Serial No. 380,000; Apr. 13. Class 39
Industrial Publishing Co., Cleveland, Ohio. Publication. Serial No. 380,872; Apr. 13. Class 38.
Interlake Iron Corporation, Chicago, Ill. Pig iron in the form of pigs. Serial No. 369,738; Apr. 13. Class 14.
International Mutoscope Reel Co. Inc. New York, N. Y. Coin-operated vending and amusement machine. Serial No. 388,501; Apr. 13. Class 22.
International Union of Operating Engineers, Washington, D. C. Books, pamphlets, printed circulars, etc. Serial No. 387,071; Apr. 13. Class 38.
Irwill Knitwear Corp., New York, N. Y. Beachwear. Serial No. 388,234; Apr. 13. Class 39.
Janov, I.-Abeles Shirt Co., New York, N. Y. Men's pajamas, men's and boys' underwear and shirts. Serial No. 388,781; Apr. 13. Class 39.
Jel Sert Company, The, Chicago, Ill. Powder concentrate for making maple flavored syrup. Serial No. 388,782; Apr. 13. Class 46.
Jen, Inc., New York, N. Y. Dry cleaning powder. Serial No. 381,161; Apr. 13. Class 4.
Jenco Brothers, Inc., Paterson, N. J. Rubber heels. Serial No. 389,591; Apr. 13. Class 39.
Joslyn Laboratories, Inc., Rockford, Ill. Charts, printed data, compilations, etc. Serial No. 382,753; Apr. 13. Class 38.
Kali Manufacturing Co., Philadelphia, Pa. Soap product powder. Serial No. 387,468; Apr. 13. Class 4.
Kayser, Julius, & Co., New York, N. Y. Underwear. Serial No. 388,396; Apr. 13. Class 39.
Kent Cereal Co. Morley, Mich. Puffed wheat. Serial No. 380,060; Apr. 13. Class 46.
Kiddies Pal, Inc., New York, N. Y. Suits, dresses, rompers, etc. Serial No. 388,502; Apr. 13. Class 39.
Kingsbor Silk Mills, Inc., Gloversville, N. Y. Knitted vests, bloomers, panties, etc. Serial No. 388,197; Apr. 13. Class 39.
Knox, Wm. T., Company, Inc., New York, N. Y. Advertising signs artificial flowers, foliage, etc. Serial No. 378,406; Apr. 13. Class 50.
Kolsterol, Incorporated, Detroit, Mich. Salve. Serial No. 387,328; Apr. 13. Class 6.
Lager, Mildred M. (See Barnes, S. O., & Son, assignor.)
Lang-Kohn Manufacturing Company, St. Louis, Mo. Dresses. Serial No. 388,535; Apr. 13. Class 39.
Laucks, I. F., Inc., Seattle, Wash. Glues and adhesives. Serial No. 389,135; Apr. 13. Class 5.
Leffmann, S., Limited, London, England. Brassières. Serial No. 388,645; Apr. 13. Class 39.
Lelong, Lucien, Inc., Chicago, Ill. Perfume. Serial No. 387,330; Apr. 13. Class 6.
Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. Serial No. 388,355; Apr. 13. Class 6.
Lily Hat Company. (See Goldbaum, Samuel.)
Li-On Bedding Company, Milwaukee, Wis. Mattresses. Serial Nos. 389,074–5; Apr. 13. Class 32.
Li-On Bedding Company, Milwaukee, Wis. Mattresses. Serial Nos. 389,077–8; Apr. 13. Class 32.
Loewus G., & Co., Inc., Newark, N. J. Wines. Serial No. 388,270; Apr. 13. Class 47.
Loewus, G., & Co., Inc., Newark, N. J. Wines. Serial No. 388,272; Apr. 13. Class 47.
Loomcrest Corporation, The, New York, N. Y. Knitted and woven cotton and rayon piece goods. Serial No. 388,326; Apr. 13. Class 42.
Martin, Glenn L., Company, The, Baltimore and Middle River, Md. Compound for cementing rubberlike material. Serial No. 389,085; Apr. 13. Class 5.
Martling, Harvey B., Nashville, Tenn. Blank flexibly bound books. Serial No. 386,331; Apr. 13. Class 37.
Mayers, L. & C., Mayers Co., Incorporated, New York, N. Y. Silver plated and sterling silver flat-ware. Serial No. 376,535; Apr. 13. Class 28.
Mayonnaise Products Corporation, New York, N. Y. Mayonnaise and salad dressings. Serial No. 388,949; Apr. 13. Class 46.
McCarty, Justin, Inc., Dallas, Tex. Dresses. Serial No. 386,437; Apr. 13. Class 39.
McKee Bros., assignor to McKee Brothers Corporation, Bakersfield, Calif. Band clamps. Serial No. 388,869; Apr. 13. Class 13.
Merrell, Wm. S., Company The, Cincinnati, Ohio. Cascara emulsion preparation. Serial No. 388,583; Apr. 13. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation for nasal application in the treatment of colds. Serial No. 388,584; Apr. 13. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Healing ointment preparation. Serial No. 388,585; Apr. 13. Class 6.
Midwest Slipper Mfg. Co., Chicago, Ill. Slippers and sheepskin moccasins. Serial No. 387,384; Apr. 13. Class 39.
Mil-Ford Food Products Co., Milford, Mich. Corn-grits corn flakes, rice grits, etc. Serial No. 388,329; Apr. 13. Class 46.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Polishing wax and lacquer polishes. Serial No. 389,656; Apr. 13. Class 12.
Mirpo Products Mfg. Co. (See Steinberg, Samuel.)
Munro Athletic Products Company, Inc., Philadelphia, Pa. Table tennis sets, games played with a ball and racquet or bat, balls, etc. Serial No. 386,957; Apr. 13. Class 22.
National Distilling Company. (See Red Star Yeast and Products Company.)
National Products Corporation, Washington, D. C. Flexible sheets and materials. Serial No. 387,589; Apr. 13. Class 1.
Natone Inc., Los Angeles Calif. Hair shampoos, oils, creams, etc. Serial No. 383,936. Apr. 13. Class 6.
New Jersey Apple Growers, Inc., Matawan, N. J. Apple brandy. Serial No. 388,104; Apr. 13. Class 49.
New York Central Railroad Company, The, New York, N. Y. Monthly magazine. Serial No. 388,656; Apr. 13. Class 38.
Northern Paper Mills, Green Bay, Wis. Paper table covers. Serial No. 388,478; Apr. 13. Class 37.
Northern Paper Mills, Green Bay, Wis. Paper towels. Serial No. 388,479; Apr. 13. Class 37.
Northern Paper Mills, Green Bay, Wis. Toilet tissue paper. Serial No. 388,480; Apr. 13. Class 37.
Norzel's Beauty Products Mfg. Co. Inc., Syracuse, N. Y. External antiseptic wash. Serial No. 382,883; Apr. 13. Class 6.
Oxyzn Company, New York, N. Y. Powder puffs. Serial No. 389,432; Apr. 13. Class 29.
P and E Corporation, New York, N. Y. Spark plugs. Serial No. 388,885; Apr. 13. Class 21.
Pardo, Mary, doing business as Sublime Laboratories, Chicago, Ill. Cleansing cream, vanishing cream, tissue cream, etc. Serial No. 388,068; Apr. 13. Class 6.
Park, Benziger & Co., Inc., New York, N. Y. Rum. Serial No. 387,592; Apr. 13. Class 49.
Parker Brothers Inc., Portland, Maine, and Salem, Mass. Board game. Serial No. 389,658; Apr. 13. Class 22.
Philadelphia Inquirer Company, The, Philadelphia, Pa. Newspaper section. Serial No. 384,402; Apr. 13. Class 38.
Plowati, Frederick, New York, N. Y. Mechanically operated advertising signs and parts thereof. Serial No. 386,045; Apr. 13. Class 50.
Poor & Company. (See Rail Joint Company, The, assignor.)
Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth paste and tooth powder. Serial No. 385,367; Apr. 13. Class 6.
Rail Joint Company, The, New York, N. Y., assignor to Poor & Company, Chicago, Ill. Railway track joints. Serial No. 387 347; Apr. 13. Class 14.
Rath Packing Company, The, Waterloo, Iowa. Dog food. Serial No. 388,798; Apr. 13. Class 46.
Ravaud, Jean, New York, N. Y., and Neuilly-sur-Seine, France. Perfumes. Serial Nos. 387,396–7; Apr. 13. Class 6.
Red Star Yeast and Products Company, doing business as National Distilling Company, Milwaukee, Wis. Grain alcohol. Serial No. 389,796; Apr. 13. Class 49.
Rogers Peet Company, New York, N. Y. Men's outer suits. Serial No. 388,686; Apr. 13. Class 39.
Roy, Michael B., Bridgeport, Conn. Defrosters for automobile windshields and the like. Serial No. 382 004; Apr. 13. Class 19.
Russeks Fifth Avenue Inc., New York, N. Y. Dresses, coats, suits, etc. Serial No. 388,483; Apr. 13. Class 39.
S S Rubber Cement Co., Chicago, Ill. Adhesives and pastes. Serial No. 385,905; Apr. 13. Class 5.
Saville Perfumery Limited, Watford, England. Perfumes, toilet powders, face creams, etc. Serial No. 387,213; Apr. 13. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Scheuer, Samuel, New York, N. Y. Women's and children's hats and caps. Serial No. 388,597; Apr. 13. Class 39.
Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Men's suits. Serial Nos. 388,730–1; Apr. 13. Class 39.
Siegel Bros. Kiki Maid Koats Inc., New York, N. Y. Fleece goods. Serial No. 387,256; Apr. 13. Class 42.
Signode Steel Strapping Company, Chicago, Ill. Composition pads and metal binder-snubbing plates. Serial No. 384,139; Apr. 13. Class 13.
Silver, Morris, New York, N. Y. Dresses, gowns, wraps, etc. Serial No. 382,963; Apr. 13. Class 39.
Simpson & Godlee, Limited, Manchester, England. Blouses, bonnets, dresses etc. Serial No. 385,010; Apr. 13. Class 39.
Société Anonyme Couesnon, Paris, France. Cornets, bugles, musical trumpets, etc. Serial No. 366,883; Apr. 13. Class 36.
Societe Menier, Paris, France. Chocolates and candies. Serial No. 388,875; Apr. 13. Class 46.
Sondheimer, Max, Stuttgart, Germany. Glue and glue powder. Serial No. 389,270; Apr. 13. Class 5.
Spencer, H. R., doing business as Spencer Bakery Products Company, New York, N. Y. Biscuits. Serial No. 388,993; Apr. 13. Class 46.
Sperry, Paul A., New Haven, Conn. Boots and shoes. Serial No. 388,627; Apr. 13. Class 39.
Spira & Gordon, New York, N. Y. Metal containers. Serial No. 386,700; Apr. 13. Class 2.
Standard Oil Company of New Jersey, Wilmington, Del. Asphalt. Serial No. 387,355; Apr. 13. Class 12.
Standard Wall Covering Company, Inc., Philadelphia, Pa. Architectural wall panels. Serial No. 388,690; Apr. 13. Class 12.
Stanis. (See Stanley, Sinclair G.)
Stanley, Sinclair G., doing business as Stanis, Chicago, Ill. Foot soap. Serial No. 388,374; Apr. 13. Class 4.
Steinberg, Samuel, doing business as Mirpo Products Mfg. Co., La Porte Ind. Polish. Serial No. 389,044; Apr. 13. Class 4.
Sublime Laboratories. (See Pardo, Mary.)
Sunflower Packing Corp., Porterville, Calif. Fresh cltrus fruit. Serial No. 386,050; Apr. 13. Class 46.
Surpass Leather Company, Philadelphia, Pa. Dull sheen kid leather. Serial No. 388,551; Apr. 13. Class 1.
T. & P. Optical Mfg. Co., Inc., New York, N. Y. Eyeglass frames of the folding Oxford type. Serial No. 388,858; Apr. 13. Class 26.
Uniflow Manufacturing Co., Erie, Pa. Air filters, water filters, liquid freezers, etc. Serial No. 387,716; Apr. 13. Class 31.
United Fur Breeders, Inc., Bethlehem, Pa. Fur skins and pelts. Serial No. 386,184; Apr. 13. Class 1.
United States Gypsum Company, Chicago, Ill. Sound and vibration insulating mountings, connections, and floors, etc. Serial No. 359,820; Apr. 13. Class 12.
United States Quarry Tile Company, Parkersburg, W. Va. Building tiles. Serial Nos. 387,804–5; Apr. 13. Class 12.
Utilities Service Company, Allentown Pa. Pole line hardware. Serial No. 388,598; Apr. 13. Class 13.
Vegeminerals Company. (See Barnes, S. O., & Son.)
Vereinigte Chemische Fabriken Kreidl, Heller & Co., Vienna, Austria. Opaque colours, opaquing agents, and fusible and vitrifiable colours, etc. Serial Nos. 385,999–86,000; Apr. 13. Class 6.
Vess Beverage Company, Inc., St. Louis, Mo. Nonalcoholic beverages. Serial No. 389,106; Apr. 13. Class 45.
Vicmore Fur Co., Inc., Middletown, Del., and New York, N. Y. Dyed coney fur coats. Serial No. 383 608; Apr. 13. Class 39.
Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Soft drinks and flavors therefor. Serial No. 388,965; Apr. 13. Class 45.
Vogt, F. G., & Sons, Incorporated, Philadelphia, Pa. Breakfast combination comprising sliced bacon and sliced smoked boneless ham. Serial No. 388,812; Apr. 13. Class 46.
Weisberger, Dave, New York, N. Y. Shoes. Serial No. 386,752; Apr. 13. Class 39.
Western Distillers Corp., Los Angeles, Calif. Whiskey. Serial No. 386,878; Apr. 13. Class 49.
Weston Electrical Instrument Corporation, Newark, N. J. Color filters. Serial No. 389,047; Apr. 13. Class 26.
Wetzel, Bertha, New York, N. Y. Pneumatic dispenser for toilet preparations. Serial No. 387,718; Apr. 13. Class 23.
Wilkins, E. J., Co., Gloversville, N. Y. Leather goods. Serial No. 388,291; Apr. 13. Class 3.
Williamsbridge Mills, Inc., New York, N. Y. Blouses, dresses, skirts, etc. Serial No. 389,026; Apr. 13. Class 39.
Wise, Philip, Dress Inc., New York, N. Y. Dresses. Serial No. 387,572; Apr. 13. Class 39.
Woodford County Distillery Co., Midway, Ky. Whiskey. Serial No. 388,816; Apr. 13. Class 49.
Woodford County Distillery Co., Midway, Ky., and St. Louis, Mo. Whiskey. Serial Nos. 389,583–6; Apr. 13. Class 49.
Wouka Distributing Co., New York, N. Y. Spiny lobster tails. Serial No. 383,834; Apr. 13. Class 46.
Wynkoop, Albro G., doing business as Dain-Tee Food Products, San Francisco, Calif. Chips made from whole tamale corn. Serial No. 389,048; Apr. 13. Class 46.
Yellin, Samuel, doing business as Yellin Dry Goods Company, Boston, Mass. Hosiery, underwear, shirts, etc. Serial No. 384,281; Apr. 13. Class 39.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, as amended June 20, 1936]

Verceniging "Het Kaasmerk", Leyden, Netherlands. Cheese. Serial Nos. 302,197–200; Apr. 13. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Abernathy, St. Elmo, Berkeley, Calif. Artemia saline compound. 344,973; Apr. 13; Serial No. 381,250; published Jan. 26, 1937. Class 6.
Abraham, Manfred, New York, N. Y. Electric surgical sterilizers. 344,967; Apr. 13; Serial No. 380,327; published Feb. 2, 1937. Class 44.
Acnesolv Laboratories. (See Glauser, Meyer S.)
Agar Packing & Provision Corporation, Chicago, Ill. Smoked meats—namely, bacon. 345,038; Apr. 13; Serial No. 385,022; published Feb. 2, 1937. Class 46.
Albee, Lynn G., doing business as Zoe Pharmacal Company, Painesville, Ohio. Cold capsules. 345,084; Apr. 13; Serial No. 385,716; published Jan. 26, 1937. Class 6.
Albert Laboratories. (See Binash, Albert H.)
American Envelope Co., The, West Carrollton, Ohio. Paper envelopes. 345,077; Apr. 13; Serial No. 385,619; published Feb. 2, 1937. Class 37.
American Findings Manufacturing Company, Indianapolis, Ind. Shoe horns. 345,020; Apr. 13; Serial No. 384,695; published Feb. 2, 1937. Class 40.
American Gas Machine Company, Albert Lea, Minn. Gasoline operated cooking stoves. 345,107; Apr. 13; Serial No. 386,091; published Feb. 2, 1937. Class 34.
American Pentosin Company. (See Herschel, Frederick C.)
Angelus-Campfire Company. (See Imperial Candy Company, assignor.)
Armstrong, D., & Company, Inc., Rochester, N. Y. Shoes. 345,047; Apr. 13; Serial No. 385,245; published Feb. 2, 1937. Class 39.
Automatic Radio Manufacturing Co., Inc., Boston, Mass. Radio receiving sets and parts. 345,122; Apr. 13; Serial No. 386,397; published Feb. 2, 1937. Class 21.
Azmide Co. (See Raich, Nathan B.)
Baker's Forecaster, Inc., New York, N. Y. Publications. 345,000; Apr. 13; Serial No. 383,975; published Jan. 26, 1937. Class 38.
Ballowitz, Dr., & Co. Chemisch-Pharmaz. Fabrik G. m. b. H., Berlin-Pankow, Germany. Preparation for treatment of headache. 344,998; Apr. 13; Serial No. 383,868; published Jan. 26, 1937. Class 6.
Barbara King Company, The. (See Jackman, Richard C.)
Binash, Albert H., doing business as Albert Laboratories, Chicago, Ill. Medicinal preparation. 345,013; Apr. 13; Serial No. 384,497; published Feb. 2, 1937. Class 6.
Bischoff, Ernst, Company, Incorporated, New York, N. Y. Medicine. 345,022; Apr. 13; Serial No. 384,733; published Jan. 26, 1937. Class 6.
Blanchard, William G., II, Coral Gables, Fla. Magazine. 345,005; Apr. 13; Serial No. 384,063; published Feb. 2, 1937. Class 38.
Blickman, S., Inc., Weehawken, N. J. Tables, cabinets, racks, etc. 344,978; Apr. 13; Serial No. 381,604; published Feb. 2, 1937. Class 32.

Blue Ridge Glass Corporation, Kingsport, Tenn. Flat glass. 345,095; Apr. 13; Serial No. 385,876; published Feb. 2, 1937. Class 33.

Boccella, Vincenzo, doing business as Viba Company, Philadelphia, Pa. Medicinal preparation. 345,011; Apr. 13; Serial No. 384,404; published Feb. 2, 1937. Class 6.

Boles, Dr., Laboratories. (See Hopkins, Ford, Company.)

Boston Shoe Company. (See Smith, Jack.)

Bourjois, Inc., New York, N. Y. After-shave lotion and toilet powder. 345,151; Apr. 13. Class 6.

Boyer Chemical Laboratory Co., Inc., also doing business as Boyer Chemical Works, Chicago, Ill. Lye. 345,085; Apr. 13; Serial No. 385,721; published Jan. 26, 1937. Class 6.

Buchholtz, A., Co., Inc., doing business as Cabiria Co., New York, N. Y. Hair dressing, hair coloring, and hair shampoo. 344,972; Apr. 13; Serial No. 381,018; published Jan. 26, 1937. Class 6.

Buffalo Faultless Pants Co. Inc., Buffalo, N. Y. Trousers, pants, trunks, etc. 345,045; Apr. 13; Serial No. 385,210; published Feb. 2, 1937. Class 39.

Buford, Madam's, & Owens, Oklahoma City, Okla. Hair-oil. 115,878; renewed Mar. 20, 1937.

Burdett Oxygen Company, The, Denver, Colo., assignor, by mesne assignments, to Oxweld Acetylene Company, New York, N. Y. Electrolytic oxygen. 117,994; renewed Aug. 14, 1937.

Buttermilk Dispensers, San Francisco, Calif. Refrigerated buttermilk dispenser and parts thereof. 345,078; Apr. 13; Serial No. 385,622; published Feb. 2, 1937. Class 31.

Cabiria Co. (See Buchholtz, A., Co., Inc.)

Cannon Mills Company, Kannapolis, N. C. Sheets and pillow cases. 345,028; Apr. 13; Serial No. 384,842; published Dec. 8, 1936. Class 42.

Carus Chemical Co., Inc., La Salle, Ill. Photo developers. 345,069–70; Apr. 13; Serial Nos. 385,556–7; published Jan. 26, 1937. Class 6.

Castagna, Philip, doing business as Option Card Company, Philadelphia, Pa. Letter and alphabet cards usable as an educational word game. 345,138; Apr. 13; Serial No. 386,885; published Feb. 2, 1937. Class 22.

Chinook Packing Company, Chinook, Wash. Canned vegetables. 344,976; Apr. 13; Serial No. 381,547; published Sept. 29, 1936. Class 46.

Clapp, Otis, & Son, Inc., Boston, Mass. Sweetening tablets made of saccharin. 345,001; Apr. 13; Serial No. 383,984; published Jan. 26, 1937. Class 6.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. 345,113; Apr. 13; Serial No. 386,243; published Feb. 2, 1937. Class 23.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. 345,123; Apr. 13; Serial No. 386,407; published Feb. 2, 1937. Class 23.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. 345,124; Apr. 13; Serial No. 386,410; published Feb. 2, 1937. Class 23.

Comfort Manufacturing Company, Chicago, Ill. Tooth powder, mouth washes, dentifrices, etc. 345,159; Apr. 13. Class 6.

Cooley, Ruth, Springfield, Mass. Doilies, table mats, table cloths, etc. 345,033; Apr. 13; Serial No. 384,921; published Jan. 26, 1937. Class 37.

Courchesne, A., Inc., doing business as El Paso Clay & Powder Company, El Paso, Tex. Rotary drilling clay. 344,965; Apr. 13; Serial No. 380,247; published Feb. 2, 1937. Class 1.

Crutcher, Carlile, Louisville, Ky. Cartoons. 344,996; Apr. 13; Serial No. 383,836; published Feb. 2, 1937. Class 38.

Dadas, Sophie, doing business as Mrs. Drosiou, Milwaukee, Wis. Cold cream and tissue and face cream. 345,039; Apr. 13; Serial No. 385,118; published Jan. 26, 1937. Class 6.

Diehl, Christ., Brewing Company, The, Defiance, Ohio. Beer. 344,993; Apr. 13; Serial No. 383,722; published Feb. 2, 1937. Class 48.

Diversey Corporation, The, Chicago, Ill. Alkaline cleaning compound. 345,132; Apr. 13; Serial No. 386,534; published Feb. 2, 1937. Class 4.

Donna-Lo Laboratories, Inc., St. Louis, Mo. Face powder, perfume, soapless shampoo, etc. 345,030; Apr. 13; Serial No. 384,887; published Feb. 2, 1937. Class 6.

Drosiou, Mrs. (See Dadas, Sophie.)

Du Barry Bags Incorporated, New York, N. Y. Hand bags and pocketbooks. 344,984; Apr. 13; Serial No. 383,209; published Feb. 2, 1937. Class 3.

Duborel Laboratories, The. (See Hardy, Hammond.)

Durkee Famous Foods, Inc., Berkeley, Calif. Salad dressing. 344,946; Apr. 13; Serial No. 369,912; published Oct. 20, 1936. Class 46.

Eby, George W., doing business as Strap E Z Manufacturing Co., Fort Wayne, Ind. Razor strop dressing. 345,046; Apr. 13; Serial No. 385,218; published Feb. 2, 1937. Class 4.

Eckert, Louis, Brewing Company, Los Angeles, Calif. Beer. 344,963; Apr. 13; Serial No. 379,512; published Feb. 2, 1937. Class 48.

Edinburg Citrus Association, Edinburg, Tex. Fresh citrus fruits. 345,125; Apr. 13; Serial No. 386,418; published Feb. 2, 1937. Class 46.

Edmands Coffee Company, Boston and Worcester, Mass., and Detroit, Mich., to Edmands Coffee Company, Boston, Mass. Coffee, tea, and cocoa. 118,395; renewed Sept. 4, 1937.

Ehrlich, Clili, doing business as J. Ehrlich, Munich, Germany. Insecticides. 344,961; Apr. 13; Serial No. 378,651; published Jan. 26, 1937. Class 6.

Elliott Addressing Machine Company, The, Cambridge, Mass. Addressing machines, and stencil printing apparatus and attachments therefor, etc. 345,080–1; Apr. 13; Serial Nos. 385,664–5; published Feb. 2, 1937. Class 23.

El Paso Clay & Powder Company. (See Courchesne, A., Inc.)

Endowment Foundation, New Brunswick, N. J. Mosquito larvacide. 345,049; Apr. 13; Serial No. 385,282; published Feb. 2, 1937. Class 6.

Fibre Leather Manufacturing Corporation, New Bedford, Mass. Composition leather. 344,982; Apr. 13; Serial No. 382,625; published Feb. 2, 1937. Class 50.

Fibro-Plug Solar Industries, New York, N. Y. Anchor plugs for screws. 344,957; Apr. 13; Serial No. 377,255; published Feb. 2, 1937. Class 13.

Filatex Corporation, New York, N. Y. Elastic fabrics. 345,043; Apr. 13; Serial No. 385,182; published Feb. 2, 1937. Class 42.

Florasynth Laboratories, Inc., New York, N. Y. Food colors, perfume raw materials, perfume oil concentrates, etc. 344,945; Apr. 13; Serial No. 369,568; published Jan. 26, 1937. Class 6.

Floridagold Citrus Corporation, Lake Alfred, Fla. Canned citrus fruits and canned citrus juices. 345,057; Apr. 13; Serial No. 385,437; published Feb. 2, 1937. Class 46.

Foodcraft Products. (See United Buyers Corporation.)

Fort Orange Chemical Co., Inc., Albany, N. Y. Adhesive denture powder. 345,096; Apr. 13; Serial No. 385,921; published Feb. 2, 1937. Class 6.

Fountaine, Clark O., Moorestown, N. J. Medicinal preparation. 344,985; Apr. 13; Serial No. 383,416; published Feb. 2, 1937. Class 6.

Frackville M'fg. Company, Inc., New York, N. Y. Men's pajamas, outer shirts, and underwear, nightshirts. 345,071; Apr. 13; Serial No. 385,572; published Feb. 2, 1937. Class 39.

Free State Brewery Corporation, Baltimore, Md. Malt beverage. 345,012; Apr. 13; Serial No. 384,455; published Feb. 2, 1937. Class 48.

Frigidaire Corporation, Dayton, Ohio. Compressors and compressor units for compressing fluids. 344,954; Apr. 13; Serial No. 374,080; published Apr. 21, 1936. Class 23.

Furman, Clara, Brooklyn, N. Y. Face creams. 345,098; Apr. 13; Serial No. 385,979; published Feb. 2, 1937. Class 6.

Gay Blade Co. (See Rider, Daniel H.)

Giusti, Benedict A., doing business as International Pharmacy, Yuma, Ariz. Ointment. 344,995; Apr. 13; Serial No. 383,807; published Feb. 2, 1937. Class 6.

Glauser, Meyer S., doing business as Acnesolv Laboratories, Philadelphia, Pa. Rectal suppositories. 345,067; Apr. 13; Serial No. 385,545; published Jan. 26, 1937. Class 6.

Glidden Company, The, Cleveland, Ohio. Black composition for coloring concrete. 345,161; Apr. 13. Class 12.

Gonzalez, Francisco S., Habana, Cuba. Cigars. 345,029; Apr. 13; Serial No. 384,850; published Feb. 2, 1937. Class 17.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires. 345,114–5; Apr. 13; Serial Nos. 386,251–2; published Feb. 2, 1937. Class 35.

Gossard, H. W., Co., The, Chicago, Ill. Corsets, girdles, brassières, etc. 345,086; Apr. 13; Serial No. 385,731; published Feb. 2, 1937. Class 39.

Goulard & Olena, Inc., New York, N. Y. Moth-deodorant preparation. 344,962; Apr. 13; Serial No. 378,917; published Jan. 26, 1937. Class 6.

Grant, W. T., Company, New York, N. Y. Men's shorts. 345,100; Apr. 13; Serial No. 386,025; published Feb. 2, 1937. Class 39.

Greengrass, Israel, New York, N. Y. Dresses, aprons, smocks, etc. 345,147; Apr. 13. Class 39.

Griffith-Durney Company, San Francisco, Calif. Canned salmon. 344,970; Apr. 13; Serial No. 380,566; published Sept. 8, 1936. Class 46.

Grocery Products Manufacturing Corporation, doing business as Kennett Canning Co., New York, N. Y., and Kennett Square, Pa. Canned mushroom broth. 345,143; Apr. 13. Class 46.

Guenther, C. H., & Son, Inc., doing business as Pioneer Flour Mills, San Antonio, Tex. Wheat flour. 345,016; Apr. 13; Serial No. 384,588; published Feb. 2, 1937. Class 46.

Guy Rub Lab. (See Kuether, Otto H.)

Haberle Congress Brewing Co., Inc., Syracuse, N. Y. Beer. 344,943; Apr. 13; Serial No. 354,037; published Aug. 6, 1935. Class 48.

Hack Shoe Company, Detroit, Mich. Foot wear. 345,008; Apr. 13; Serial No. 384,209; published Feb. 2, 1937. Class 39.

Hadley, George A., doing business as Pavis Chemical and Mfg. Co., Kansas City, Mo. Selective germicide for use in treatment of pathological tissue and blood. 345,146; Apr. 13. Class 6.

Hanff-Metzger, Inc., New York, N. Y. Cigarettes. 345,099; Apr. 13; Serial No. 385,981; published Feb. 2, 1937. Class 17.

Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Food colors. 345,101; Apr. 13; Serial No. 386,028; published Feb. 2, 1937. Class 6.

Hardy, Hammond, doing business as The Duborel Laboratories, Detroit, Mich. Dental surgical dressing. 345,142; Apr. 13. Class 44.

Havana Pineapple Company, S. A., Habana, Cuba. Canned pineapple. 345,058; Apr. 13; Serial No. 385,439; published Feb. 2, 1937. Class 46.

Haymarket Clothing Company, Boston, Mass. Uniforms, overcoats, and top coats, etc. 345,163; Apr. 13. Class 39.

Hercules Powder Company, Wilmington, Del. Liquid, waxy substance used as a plasticizer and softening agent. 345,063; Apr. 13; Serial No. 385,519; published Jan. 26, 1937. Class 6.

Hermann, Heinrich, & Weiss, New York, N. Y. Suitcases, hat boxes, wardrobe hand luggage, etc. 345,155; Apr. 13. Class 3.

Herschel, Frederick C., doing business as American Pentosin Company, River Edge, N. J. Cod liver oil emulsion. 345,023; Apr. 13; Serial No. 384,747; published Jan. 26, 1937. Class 6.

Hertz and Tubell, New York, N. Y. Emblems and insignia. 345,144; Apr. 13. Class 40.

Hettrick Manufacturing Company, The, Toledo, Ohio. Cotton duck. 345,157; Apr. 13. Class 42.

Hill & Griffith Company, The, Cincinnati, Ohio. Coreblacking. 118,298; renewed Aug. 28, 1937.

Hilvert, Fred G., Co., Inc., Phoenix, Ariz. Fresh vegetables, cantaloupes, and honeydew melons. 345,126; Apr. 13; Serial No. 386,425; published Feb. 2, 1937. Class 46.

Hirsch, F. S. & W. W., Los Angeles, Calif. Shut-off nozzles. 345,002; Apr. 13; Serial No. 383,999; published Feb. 2, 1937. Class 13.

Hoffmann-La Roche, Inc., Nutley, N. J. Bismuth oxyiodogallate. 345,087; Apr. 13; Serial No. 385,733; published Jan. 26, 1937. Class 6.

Holeproof Hosiery Co., Milwaukee, Wis. Pajamas for women. 345,116–7; Apr. 13; Serial Nos. 386,256–7; published Feb. 2, 1937. Class 39.

Hopkins, Ford, Company, also doing business as Dr. Boles Laboratories, Chicago, Ill. Borated talcum powder. 345,152; Apr. 13. Class 6.

Howse, Mead & Sons, Inc., New York, N. Y. Worsted piece goods. 345,141; Apr. 13. Class 42.

Hughes, Harriet C., South Port, Conn. Sport visors. 344,966; Apr. 13; Serial No. 380,278; published Feb. 2, 1937. Class 39.

Illinois Zinc Company, Peru, to Illinois Zinc Company, Chicago, Ill. Spelter, sheet-zinc, zinc oxid, and copper ingots. 118,299; renewed Aug. 28, 1937.

Imperial Candy Company, Milwaukee, Wis., assignor, by mesne assignments, to Angelus-Campfire Company, Chicago, Ill. Marshmallows. 117,667; renewed July 24, 1937.

Imperial Molded Products Corporation, Chicago, Ill. Dispensers and dispenser closures and toast and waffle covers. 345,134; Apr. 13; Serial No. 386,680; published Feb. 2, 1937. Class 2.

Industrial Undergarment Corporation, Poughkeepsie, N. Y. Slips. 345,102; Apr. 13; Serial No. 386,030; published Feb. 2, 1937. Class 39.

Institutional Publications, Inc., Chicago, Ill. Periodical. 344,991; Apr. 13; Serial No. 383,580; published Jan. 26, 1937. Class 38.

International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets. 345,153–4; Apr. 13. Class 37.

International Pharmacy. (See Giusti, Benedict A.)

International Safety Razor Corp., Bloomfield, N. J. Razors and razor blades. 345,052; Apr. 13; Serial No. 385,407; published Feb. 2, 1937. Class 23.

Interstate Rice Sales Co., Inc., The, Crowley, La. Rice. 345,042; Apr. 13; Serial No. 385,143; published Feb. 2, 1937. Class 46.

Jackman, Richard C., doing business as The Barbara King Company, Lawrence, Kans. Prepared cake and cookie flour and cookies. 345,150; Apr. 13. Class 46.

Johnson, Walter H., Candy Company, Chicago, Ill. Candy. 345,108; Apr. 13; Serial No. 386,114; published Feb. 2, 1937. Class 46.

Johnston, John D., Jr., Brundidge, Ala. Peanut butter. 344,989; Apr. 13; Serial No. 383,530; published Feb. 2, 1937. Class 46.

Juvenile Shoe Corporation of America, The, Aurora and St. Louis, Mo. Shoes. 345,103; Apr. 13; Serial No. 386,031; published Feb. 2, 1937. Class 39.

Kaytees Mfg. Co., The. (See Quinn, Katie M.)

Kelly, Thomas S., Philadelphia, Pa. Lamp reflectors and lenses. 344,983; Apr. 13; Serial No. 382,720; published Feb. 2, 1937. Class 34.

Kennett Canning Co. (See Grocery Products Manufacturing Corporation.)

King Cotton Mills Corporation, Richmond, Va. Hosiery-yarns. 118,201; renewed Aug. 21, 1937.

Knox Company, The, Los Angeles, Calif. Preparations for the treatment of disorders of the kidneys, etc. 344,975; Apr. 13; Serial No. 381,412; published Feb. 2, 1937. Class 6.

Knox Company, The, Los Angeles, Calif. Preparation for bunions, burns, etc. 345,082; Apr. 13; Serial No. 385,692; published Jan. 26, 1937. Class 6.

Krebs, Byron A., doing business as San Francisco Pharmacal Co., San Francisco, Calif. Preparations for use in feminine hygiene. 345,064; Apr. 13; Serial No. 385,522; published Jan. 26, 1937. Class 6.

Kuether, Otto H., doing business as Guy Rub Lab., Herington, Kans. Preparation for colds. 344,960; Apr. 13; Serial No. 378,603; published Jan. 26, 1937. Class 6.

Kushman, Nathan, doing business as Milan Sportswear Company, New York, N. Y. Sportswear. 345,014; Apr. 13; Serial No. 384,538; published Feb. 2, 1937. Class 39.

Langenieux, Jean M., New York, N. Y. Ribbons. 345,072; Apr. 13; Serial No. 385,588; published Feb. 2, 1937. Class 42.

Lavett, Anthony E., doing business as Marvolene Company, Los Angeles, Calif.. Preparation for the hair and scalp. 344,988; Apr. 13; Serial No. 383,499; published Jan. 26, 1937. Class 6.

Lockhart Manufacturing Co., Pittsburgh, Pa. Household brooms and mops. 345,003; Apr. 13; Serial No. 384,040; published Feb. 2, 1937. Class 29.

Lopez, José, New York, N. Y. Cigars. 344,944; Apr. 13; Serial No. 367,248; published Feb. 2, 1937. Class 17.

Louisville Wall Paper Co. Inc., Louisville, Ky. Wall paper. 345,093; Apr. 13; Serial No. 385,850; published Feb. 2, 1937. Class 37.

Marvolene Company. (See Lavett, Anthony E.)

Matusow, Max, doing business as The Matusow Mfg. Co., Philadelphia, Pa. Trousers, shorts, knickers, and suits. 345,118; Apr. 13; Serial No. 386,313; published Feb. 2, 1937. Class 39.

McCurrach Organization Incorporated, New York, N. Y. Neckties and mufflers. 345,133; Apr. 13; Serial No. 386,547; published Feb. 2, 1937. Class 39.

Medicinal Research Laboratories, Philadelphia, Pa. Preparations in the form of an ointment, oil and solution for treatment of arthritis, etc. 344,980; Apr. 13; Serial No. 382,147; published Feb. 2, 1937. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation in the nature of a vaccine or serum for colds, etc. 344,956; Apr. 13; Serial No. 374,976; published Jan. 26, 1937. Class 6.

Methanthin Laboratories, Glendale, Calif. Medicinal preparation for heart trouble. 345,017; Apr. 13; Serial No. 384,593; published Jan. 26, 1937. Class 6.

Meyrowitz, E. B., Inc., New York, N. Y. Mechanical device used as an aid to hearing. 118,209; renewed Aug. 21, 1937.

Milan Sportswear Company. (See Kushman, Nathan.)

Miles Laboratories, Inc., Elkhart, Ind. Antacid effervescent preparation. 345,094; Apr. 13; Serial No. 385,895; published Feb. 2, 1937. Class 6.

Milford Textile Corporation, Milford, N. H. Fabrics in the piece. 345,073; Apr. 13; Serial No. 385,595; published Feb. 2, 1937. Class 42.

Minneapolis Brewing Company, Minneapolis, Minn. Bottle caps and the like. 344,987; Apr. 13; Serial No. 383,474; published Nov. 24, 1936. Class 50.

Minute Products Co. (See Rayo Chemical Corporation.)

Monsanto Chemical Company, St. Louis, Mo. Chemical compounds. 345,036; Apr. 13; Serial No. 384,971; published Feb. 2, 1937. Class 6.

Morrell, John, & Co. (See Yorkshire Creamery Co., assignor.)

Morrell, John, & Co., Ottumwa, Iowa. Breakfast-bacon. 116,541; renewed May 8, 1937.

Moss, Charles, doing business as Mosscony Brand, New York, N. Y. Insect spray, bleaching powder, insect powder, etc. 345,074; Apr. 13; Serial No. 385,596; published Feb. 2, 1937. Class 6.

Mosscony Brand. (See Moss, Charles.)

National Retailer-Owned Grocers, Inc., Chicago, Ill. Hygienic soap. 345,127; Apr. 13; Serial No. 386,440; published Feb. 2, 1937. Class 4.

Neilson, Howard R., doing business as Neilson Chemical Company, Detroit, Mich. Chemical preparation for removing light scale, rust, etc., from the surface of metal. 345,053; Apr. 13; Serial No. 385,421; published Jan. 26, 1937. Class 6.

Nocto Laboratories. (See Williams, Edward C.)

North Shore Electric Co., Inc., Woodside, N. Y. Automatic oil burners. 344,974; Apr. 13; Serial No. 381,283; published Feb. 2, 1937. Class 34.

Northwest Laboratories, Davenport, Iowa. Cough syrup. 345,065; Apr. 13; Serial No. 385,535; published Jan. 26, 1937. Class 6.

Norton Company, Worcester, Mass. Abrading, grinding, and lapping machines. 345,054; Apr. 13; Serial No. 385,423; published Feb. 2, 1937. Class 23.

Norwich Knitting Company, Norwich, N. Y. Sweat shirts, polo shirts, jackets, etc. 345,111; Apr. 13; Serial No. 386,167; published Feb. 2, 1937. Class 39.

Nuodex Products Co., Inc., Elizabeth, N. J. Paint driers, varnish driers, enamel driers, etc. 345,130; Apr. 13; Serial No. 386,494; published Feb. 2, 1937. Class 16.

Nu-Ro-No Products Company, Warren, Ohio. Ointments and salves. 345,019; Apr. 13; Serial No. 384,687; published Jan. 26, 1937. Class 6.

Nutri-Brom Pharmacal Co., Inc., Brooklyn, N. Y. Ferruginous tonic and hematinic. 344,977; Apr. 13; Serial No. 381,572; published Feb. 2, 1937. Class 6.

Oertel Company, Incorporated, The, Louisville, Ky. Ale. 344,964; Apr. 13; Serial No. 380,073; published Feb. 2, 1937. Class 48.

Old Reliable Laboratories, Incorporated, Ashland, Ky. Medicine for coughs, etc. 345,004; Apr. 13; Serial No. 384,047; published Feb. 2, 1937. Class 6.

Option Card Company. (See Castagna, Philip.)

Otto Engineering Co. Inc., Milwaukee, Wis. Chemical compound injectors for steam heating systems. 345,158; Apr. 13. Class 13.

Owens-Illinois Glass Company, Toledo, Ohio. Inorganic material. 345,156; Apr. 13. Class 1.

Oxweld Acetylene Company. (See Burdett Oxygen Company, The, assignor.)

Panitz, Isador, doing business as Yale Underwear Co., Baltimore, Md. Running pants, shorts, athletic shirts, etc. 344,942; Apr. 13; Serial No. 334,688; published Feb. 2, 1937. Class 39.

Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 345,083; Apr. 13; Serial No. 385,697; published Jan. 26, 1937. Class 6.

Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 345,104; Apr. 13; Serial No. 386,042; published Feb. 2, 1937. Class 6.

Pasadena Slipper Company, Inc., Pasadena, Calif. Shoes. 345,105; Apr. 13; Serial No. 386,044; published Feb. 2, 1937. Class 39.

Pavis Chemical and Mfg. Co. (See Hadley, George A.)

Peertex Corporation, The, Atlantic City, N. J. Hosiery and ladies' silk underwear. 344,986; Apr. 13; Serial No. 383,442; published Feb. 2, 1937. Class 39.

Pepperell Manufacturing Company, Boston, Mass. Shirtings and broadcloth piece goods. 344,955; Apr. 13; Serial No. 374,569; published Oct. 13, 1936. Class 42.

Peters Cartridge Company, The, Kings Mills, Ohio, assignor, by mesne assignments, to Remington Arms Company, Inc. Cartridges. 345,162; Apr. 13. Class 9.

Philadelphia Record Company, Philadelphia, Pa. Column for articles or writings. 345,092; Apr. 13; Serial No. 385,802; published Feb. 2, 1937. Class 38.

Phoenix-Powers Co., Camden, N. J. Capsules which contain the natural concentrate of vitamin E. 345,059; Apr. 13; Serial No. 385,440; published Feb. 2, 1937. Class 6.

Pilser Brewing Company, Inc., New York, N. Y. Beer. 345,135; Apr. 13; Serial No. 386,774; published Feb. 2, 1937. Class 48.

Pioneer Flour Mills. (See Guenther, C. H., & Son, Inc.)

Printz-Biederman Company, The, Cleveland, Ohio. Women's coats and suits. 345,091; Apr. 13; Serial No. 385,801; published Feb. 2, 1937. Class 39.

Pure Solvent Co., Inc., New York, N. Y. Detergent compound. 344,999; Apr. 13; Serial No. 383,941; published Feb. 2, 1937. Class 4.

Quality Products Co., Inc., Brooklyn, N. Y. Face creams, cleansing creams, face powders, etc. 345,018; Apr. 13; Serial No. 384,630; published Feb. 2, 1937. Class 6.

Quinn, Katie M., doing business as The Kaytees Mfg. Co., Crisfield, Md. Babies' diaper suspenders. 344,997; Apr. 13; Serial No. 383,863; published Feb. 2, 1937. Class 39.

Raich, Nathan E., doing business as Azmide Co., Philadelphia, Pa. Medicinal preparations for the relief of asthma, etc. 345,088; Apr. 13; Serial No. 385,749; published Jan. 26, 1937. Class 6.

Rath Packing Company, The, Waterloo, Iowa. Ham. 345,148; Apr. 13. Class 46.

Rayo Chemical Corporation, doing business as Minute Products Co., Brooklyn, N. Y. Salve, liniment, tooth powder, etc. 345,034; Apr. 13; Serial No. 384,932; published Jan. 26, 1937. Class 6.

Reliance Manufacturing Company, doing business as The Sterling Company, Chicago, Ill. Ladies' pajamas and night gowns. 344,968; Apr. 13; Serial No. 380,364; published Nov. 17, 1936. Class 39.

Remington Arms Company, Inc. (See Peters Cartridge Company, The, assignor.)

Rice-Stix Dry Goods Co., St. Louis, Mo. Sport dresses, slacks, shorts, etc. 344,959; Apr. 13; Serial No. 378,337; published Feb. 2, 1937. Class 39.

Richards Chemical Works, The, Jersey City, N. J. Chemical substance used as a detergent. 344,950; Apr. 13; Serial No. 372,209; published Feb. 2, 1937. Class 4.

Richards Chemical Works, The, Jersey City, N. J. Chemical substance used as a detergent. 344,951; Apr. 13; Serial No. 372,212; published Feb. 2, 1937. Class 4.

Rider, Daniel H., doing business as Gay Blade Co., New York, N. Y. Razor blades and pocket knives. 345,128; Apr. 13; Serial No. 386,445; published Feb. 2, 1937. Class 23.

Rimington Publishing Co., Inc., New York, N. Y. Magazine. 345,035; Apr. 13; Serial No. 384,933; published Feb. 2, 1937. Class 38.

Roach, W. R., & Company, Grand Rapids, Mich. Canned fruits and canned vegetables. 345,139; Apr. 13. Class 46.

Romig, Kenneth, Evanston, Ill. Shoes. 345,015; Apr. 13; Serial No. 384,558; published Feb. 2, 1937. Class 39.

Root, A. I., Company, The, Medina, Ohio. Specially processed honey. 345,050; Apr. 13; Serial No. 385,306; published Feb. 2, 1937. Class 46.

Roto-Rooter Corporation, Des Moines, Iowa. Sewer and drain cleaning machines. 344,958; Apr. 13; Serial No. 378,005; published Feb. 2, 1937. Class 23.

Runner, Earl I., to E. I. Runner Co., Inc., Wheeling, W. Va., successor. Medicinal tonic and nutrient. 118,096; renewed Aug. 14, 1937.

S. O. S. Fire Extinguishers Company. (See Schwartz, Isaac L.)

Sächsisches Serumwerk, Aktiengesellschaft, Dresden, Germany. Reagent for determining sugar in urine. 344,994; Apr. 13; Serial No. 383,751; published Jan. 26, 1937. Class 6.

Safian, Felix, New York, N. Y. Dresses, coats, and suits. 345,031; Apr. 13; Serial No. 384,907; published Feb. 2, 1937. Class 39.

Saks & Company, New York, N. Y. Shaving cream, shaving soap, and toilet soap. 345,112; Apr. 13; Serial No. 386,172; published Feb. 2, 1937. Class 4.

San Francisco Pharmacal Co. (See Krebs, Byron A.)

Savogran Company, The, Boston, Mass. Cold water soap powder. 344,990; Apr. 13; Serial No. 383,546; published Feb. 2, 1937. Class 4.

Schiaparelli, Société Anonyme, Paris, France. Perfumes, toilet waters, rouge, etc. 345,027; Apr. 13; Serial No. 384,835; published Jan. 26, 1937. Class 6.

Schwartz, Isaac L., doing business as S. O. S. Fire Extinguishers Company, Philadelphia, Pa. Portable hand and automatic fire extinguishers. 345,006; Apr. 13; Serial No. 384,099; published Feb. 2, 1937. Class 23.

Scottish Woollen Trade Mark Association Limited, The, Edinburgh, Scotland. Cloths and stuffs of wool. 344,992; Apr. 13; Serial No. 383,650; published Jan. 19, 1937. Class 42.

Servrite Mfg. Co. (See Wilson, Frank C.)

Sharpo Specialties Company, Dayton, Ohio. Razor blade sharpeners. 345,055; Apr. 13; Serial No. 385,427; published Feb. 2, 1937. Class 23.

Shur-Make Half & Half Co. (See Summerour and Smith.)

Sickles, F. W., Company, Springfield, Mass. Condensers, coils, inductances, etc. 345,066; Apr. 13; Serial No. 385,540; published Feb. 2, 1937. Class 21.

Sleeper, Inc., Chicago, Ill. Twin studio couches. 344,979; Apr. 13; Serial No. 381,700; published Feb. 2, 1937. Class 32.

Slutsky, Samuel, South Bend, Ind. Air conditioners. 345,007; Apr. 13; Serial No. 384,140; published Feb. 2, 1937. Class 34.

Smith, Jack, doing business as Boston Shoe Company, Los Angeles, Calif. Shoes, slippers. 345,024; Apr. 13; Serial No. 384,765; published Jan. 12, 1937. Class 39.

Sno Creme Freezer Corporation, Seattle, Wash. Machines for making frozen confections. 345,131; Apr. 13; Serial No. 386,503; published Feb. 2, 1937. Class 31.

Sonotone Corporation, New York, N. Y. Phonographs and apparatus for recording sound on discs and accessories thereof. 344,948; Apr. 13; Serial No. 370,782; published Feb. 2, 1937. Class 36.

Sozol (1924) Limited, London, England. Egg preservatives. 345,009; Apr. 13; Serial No. 384,222; published Feb. 2, 1937. Class 6.

Spatola, Joseph, Sr., doing business as Spatola Importing Company, Philadelphia, Pa. Wine. 345,145; Apr. 13. Class 47.

Squibb, E. R., & Sons, New York, N. Y. Antiseptics and germicides. 345,048; Apr. 13; Serial No. 385,269; published Jan. 26, 1937. Class 6.

Sterling Company, The. (See Reliance Manufacturing Company.)

Stonekirk Worsted Company, New York, N. Y. Woolen goods. 345,140; Apr. 13. Class 42.

Strap E Z Manufacturing Co. (See Eby, George W.)

Strauss-Hirshberg Company, The, Youngstown, Ohio. Women's shoes. 345,010; Apr. 13; Serial No. 384,273; published Feb. 2, 1937. Class 39.

Sulkis Shoe Company, Marlboro, Mass. Shoes. 344,969; Apr. 13; Serial No. 380,415; published Feb. 2, 1937. Class 39.

Summerour and Smith, doing business as Shur-make Half & Half Co., Vernon, Tex., and Elk City, Okla. Cotton seed. 345,097; Apr. 13; Serial No. 385,951; published Feb. 2, 1937. Class 1.

Sunshine-Radio System, Inc., New York, N. Y. Automobiles. 344,971; Apr. 13; Serial No. 380,976; published Feb. 2, 1937. Class 19.

Sweet Candy Co., Salt Lake City, Utah. Chocolates. 116,564; renewed May 8, 1937.

Sylvanic Company, Inc., New York, N. Y. Chemical compounds. 345,044; Apr. 13; Serial No. 385,203; published Feb. 2, 1937. Class 6.

Taylor, Taylor & Hobson, Limited, Leicester, England. Photographic lenses. 344,953; Apr. 13; Serial No. 374,024; published Feb. 2, 1937. Class 26.

Teich, Curt, & Company, Inc., Chicago, Ill. Multi-colored post-cards and pictorial illustrations. 345,040; Apr. 13; Serial No. 385,135; published Feb. 2, 1937. Class 38.

Teich, Curt, & Company, Inc., Chicago, Ill. Multi-colored post-cards and pictorial illustrations. 345,041; Apr. 13; Serial No. 385,137; published Feb. 2, 1937. Class 38.

Thayer, Charles A., doing business as The Thayer Chemical Co., Topeka, Kans. Preparation for dressing in surgery cuts, etc. 345,106; Apr. 13; Serial No. 386,053; published Feb. 2, 1937. Class 6.

Tide Water Oil Company, assignor, by mesne assignments, to Tide Water Associated Oil Company, New York, N. Y. Petroleum products. 117,381; renewed July 3, 1937.

Time, Incorporated, New York, N. Y. Newspaper column. 345,089; Apr. 13; Serial No. 385,757; published Feb. 2, 1937. Class 38.

Tondat, Julius P., doing business as J. Tondat Company, Hartford, Conn. Insecticides. 344,981; Apr. 13; Serial No. 382,364; published Jan. 26, 1937. Class 6.

Tyler Laboratories, Inc., New York, N. Y. Alterative food supplement. 345,021; Apr. 13; Serial No. 384,724; published Jan. 26, 1937. Class 6.

Ultra Chemical Works, Inc., Paterson, N. J. Wax polishes, waxes, and finishes. 345,149; Apr. 13. Class 16.

Union Coil & Manufacturing Co., Pittsburgh, Pa. Instantaneous automatic gas water heaters. 345,060; Apr. 13; Serial No. 385,455; published Feb. 2, 1937. Class 34.

Union Oil Company of California, Los Angeles, Calif. Sprayers. 345,121; Apr. 13; Serial No. 386,384; published Feb. 2, 1937. Class 23.

United Buyers Corporation, doing business as Foodcraft Products, Chicago, Ill. Canned apricots, pitted red cherries, pork and beans, etc. 344,949; Apr. 13; Serial No. 371,716; published Feb. 2, 1937. Class 46.

United Chromium, Incorporated, New York, N. Y., and Waterbury, Conn. Clocks. 345,136; Apr. 13; Serial No. 386,823; published Feb. 2, 1937. Class 27.

United Chromium, Incorporated, New York, N. Y., and Waterbury, Conn. Oil cans. 345,137; Apr. 13; Serial No. 386,825; published Feb. 2, 1937. Class 2.

United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. 345,109–10; Apr. 13; Serial Nos. 386,131–2; published Feb. 2, 1937. Class 38.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 345,068; Apr. 13; Serial No. 385,553; published Jan. 26, 1937. Class 6.

Vanderhooven, Cornelius C., Asheville, N. C. Hair tonics. 345,032; Apr. 13; Serial No. 384,912; published Feb. 2, 1937. Class 6.

Vapyre Corporation, Brewster, N. Y. Bottled or packaged gas for heating and cooking purposes. 345,056; Apr. 13; Serial No. 385,429; published Jan. 26, 1937. Class 6.

Viga Company. (See Boccella, Vincenzo.)

Vita-Fresh Dog Food Corp., Long Island City, N. Y. Dog food. 345,075; Apr. 13; Serial No. 385,613; published Feb. 2, 1937. Class 46.

Viz Corporation of America, Norwalk, Conn. Compound for keeping windshields clear of ice, etc. 345,076; Apr. 13; Serial No. 385,614; published Feb. 2, 1937. Class 4.

Western Clock Company, Peru, Ill. Clocks and watches. 345,160; Apr. 13. Class 27.

White, H. Kirk, & Co., Oconomowoc, Wis. Shaving cream and shaving soap. 345,061; Apr. 13; Serial No. 385,458; published Feb. 2, 1937. Class 4.

Whitmore & Smith, Book Agents, Publishing House, M. E. Church, South, Nashville, Tenn., Dallas, Tex., and Richmond, Va. Periodical. 345,062; Apr. 13; Serial No. 385,460; published Feb. 2, 1937. Class 38.

Wilco Drug, Inc., Brooklyn, N. Y. Facial tissue. 345,051; Apr. 13; Serial No. 385,323; published Feb. 2, 1937. Class 37.

Willard Storage Battery Company, Cleveland, Ohio. Storage batteries and parts thereof. 345,025–6; Apr. 13; Serial Nos. 384,772–3; published Feb. 2, 1937. Class 21.

Williams, Edward C., doing business as Nocto Laboratories, Armorel, Ark. Preparation for the treatment of tricophytosis, etc. 344,947; Apr. 13; Serial No. 370,370; published Jan. 26, 1937. Class 6.

Wilson, Frank C., assignor to Servrite Mfg. Co., Bloomington, Ill. Electric grill. 345,037; Apr. 13; Serial No. 385,019; published Feb. 2, 1937. Class 21.

Winter and Company, New York, N. Y. Pianos. 345,119–20; Apr. 13; Serial Nos. 386,324–5; published Feb. 2, 1937. Class 36.

Wizard, Inc., Chicago, Ill. Carpet cleaning compound, metal polish, and shoe cleaner and polish. 345,129; Apr. 13; Serial No. 386,468; published Feb. 2, 1937. Class 4.

Woolman and Robles, New York, N. Y. Leather dressing. 345,079; Apr. 13; Serial No. 385,656; published Feb. 2, 1937. Class 4.

Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen goods in the piece. 117,801; renewed July 31, 1937.

Wrigley & Company, Philadelphia, Pa., assignor, by mesne assignments to Wrigley Pharmaceutical Co., Atlantic City, N. J. Tooth-paste. 115,832; renewed Mar. 6, 1937.

Yale Underwear Co. (See Panitz, Isador.)

Yorkshire Creamery Co., assignor to John Morrell & Co., Ottumwa, Iowa. Creamery-butter. 117,074; renewed June 12, 1937.

Zenith Radio Corporation, Chicago, Ill. Prime-mover-driven electric generator combinations. 344,952; Apr. 13; Serial No. 373,009; published Feb. 2, 1937. Class 21.

Zimmerman, George W., Allentown, Pa., assignor to G. W. Zimmerman, Inc. Smoking and chewing tobacco, cigars and cigarettes. 345,090; Apr. 13; Serial No. 385,766; published Feb. 2, 1937. Class 17.

Zoe Pharmacal Company. (See Albee, Lynn G.)

LIST OF REGISTRANTS OF LABELS

Ada Milling Company, Ada, Okla. Ada Milling Company Corn Meal; (Large Floral Pattern with Pink Background). For Corn Meal. 49,187; Apr. 13.

Ada Milling Company, Ada, Okla. Ada Milling Company Corn Meal; (Small Flowers Scattered on Blue Background). For Corn Meal. 49,188; Apr. 13.

Ada Milling Company, Ada, Okla. Ada Milling Company Corn Meal; (Small Flowers Scattered on Blue Background). For Corn Meal. 49,189; Apr. 13.

Ada Milling Company, Ada, Okla. Ada Milling Company Corn Meal; (Red, White & Deep Blue Pattern of Varied Size Blocks). For Corn Meal. 49,190; Apr. 13.

Ada Milling Company, Ada, Okla. Ada Milling Company Corn Meal; (Blue and White Disks on Blue and Red Background). For Corn Meal. 49,191; Apr. 13.

Ben-Burk, Inc., Boston, Mass. Bar Service, Old Mr. Boston. For Dry Gin. 49,192; Apr. 13.

Borzoi Laboratories, Incorporated, Newark, N. J. Murjana. For Cosmesis Tissue Creme. 49,193; Apr. 13.

Breidt, Peter, Brewing Company, Elizabeth, N. J. Breidt's. For Pilsner Beer. 49,194; Apr. 13.

Breidt, Peter, Brewing Company, Elizabeth, N. J. Breidt's. For Bock Beer. 49,195; Apr. 13.

Breidt, Peter, Brewing Company, Elizabeth, N. J. Breidt's. For Dark Beer. 49,196; Apr. 13.

Clayton, A. C., Printing Company, St. Louis, Mo. Fine Footwear. For Footwear. 49,197; Apr. 13.

Clermont Chemical Co., The, Worthington, Ohio. Clermont's Triple Purpose Laxative. For a Laxative Preparation. 49,198; Apr. 13.

Gordon-O'Neill Co., Inc., New York, N. Y. Baltimore Club. For Blended Whiskey. 49,199; Apr. 13.

Hoague-Sprague Corporation, Lynn, Mass. Rex. For Boxes. 49,200; Apr. 13.

Hoague-Sprague Corporation, Lynn, Mass. Phyllis Brand Shoes. For Shoes. 49,201; Apr. 13.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Glo-Coat. For Self Polishing Floor Polish. 49,202; Apr. 13.

Klozone Chemical Company, Atlanta, Ga. Klozone. For a Liquid Bleach. 49,203; Apr. 13.

Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Country Club Flour. For Flour. 49,204; Apr. 13.

Lakeland Highlands Cooperative Association, Highlands City, Fla. Saddle. For Fresh Citrus Fruits. 49,205; Apr. 13.

Lakeland Highlands Cooperative Association, Highlands City, Fla. Pipe. For Fresh Citrus Fruits. 49,206; Apr. 13.

Moody, Helen W., San Francisco, Calif. Helen Wills. For Women's Wear. 49,207; Apr. 13.

Naylor, H. W., doing business as H. W. Naylor Company, Morris, N. Y. Dr. Naylor's Antiseptic Dusting Powder. For Antiseptic Powders for External Use. 49,208; Apr. 13.

O-Cedar Corp'n, Chicago, Ill. Moth-Fly Spray. For Insect Spray. 49,209; Apr. 13.

O-Cedar Corp'n, Chicago, Ill. O-So-Ezy No Rubbing Wax. For No Rubbing Wax. 49,210; Apr. 13.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Vermont Maid. For Syrup. 49,211; Apr. 13.

Rajo Laboratories, The. (See Scoma, Joseph T.)

Redlands Orangedale Association, Redlands, Calif. Talisman. For Fresh Oranges. 49,212; Apr. 13.

Reinhold, Arno, doing business as Reinhold Company, Cleveland, Ohio. Air-Vent Custard-Cup Covers. For Water Proof Silk Covers for Custard Cups. 49,213; Apr. 13.

Reinhold, Arno, doing business as Reinhold Company, Cleveland, Ohio. Air-Vent Bowl Covers. For Water Proof Silk Covers for Food Bowls. 49,214; Apr. 13.

Reinhold, Arno, doing business as Reinhold Company, Cleveland, Ohio. Lettuce Bag. For Water Proof Silk Bags for Containing Vegetables. 49,215; Apr. 13.

Santa Paula Orange Assn., Santa Paula, Calif. Stalwart. For Fresh Oranges. 49,216; Apr. 13.

Santa Paula Orange Assn., Santa Paula, Calif. Courage. For Fresh Oranges. 49,217; Apr. 13.

Santa Paula Orange Assn., Santa Paula, Calif. Out-O-Sight. For Fresh Oranges. 49,218; Apr. 13.
Scoma, Joseph T., doing business as The Rajo Laboratories, Chicago, Ill. Rajo Hair Vitalizer. For a Preparation Used as a Hair Vitalizer and for Treating Dandruff and Falling Hair. 49,219; Apr. 13.
Shannon, Arthur, Columbus, Ohio. Bo-Po's. For a Dietary Dressing Spiced Italian Style. 49,220; Apr. 13.
Simons, Albert M., Hartford, Conn. Veterans' Club. For Gin. 49,221; Apr. 13.

LIST OF REGISTRANTS OF PRINTS

Awful Fresh Macfarlane, Oakland and San Francisco, Calif. It's Valen-Time Now. For Confectionery. 16,149; Apr. 13.
Awful Fresh Macfarlane, Oakland and San Francisco, Calif. You Can't Eat the Box. For Confectionery. 16,150; Apr. 13.
Awful Fresh Macfarlane, Oakland and San Francisco, Calif. Awful Fresh Macfarlane. For Candy, Chocolates, and Salted Nuts. 16,151; Apr. 13.
Awful Fresh Macfarlane, Oakland and San Francisco, Calif. You Will Like My Stuff. For Candy and Nuts. 16,152; Apr. 13.
Cream of Wheat Corporation, The, Minneapolis, Minn. Help Your Boy Bat 1000. For Wheat Breakfast Food. 16,153; Apr. 13.
Danciger Oil & Refineries, Inc., Tulsa, Okla. Specification Sealed Gasoline. For Gasoline. 16,154; Apr. 13.
General Mills, Inc., Minneapolis, Minn. Will You Try a New Way to Induce Youngsters to Eat Big Breakfasts of Whole Wheat. For Cereal Food. 16,155; Apr. 13.
Hills Bros., San Francisco, Calif. What this Shelf Would Say if it Could (6⅛" by 8¾"). For Coffee. 16,156; Apr. 13.
Hills Bros., San Francisco, Calif. Reflections of a Dining-Room Mirror (6⅛" by 8¾"). For Coffee. 16,157; Apr. 13.
Hills Bros., San Francisco, Calif. If the Walls of This Room (6⅛" by 8¾"). For Coffee. 16,158; Apr. 13.
Hills Bros., San Francisco, Calif. If the Walls of this Room Could Tell What They Hear (6⅛" by 15"). For Coffee. 16,159; Apr. 13.
Hills Bros., San Francisco, Calif. Suppose the Telephone Talked (6⅛" by 15"). For Coffee. 16,160; Apr. 13.
Hills Bros., San Francisco, Calif. Observations of a Kitchen Clock (6⅛" by 15"). For Coffee. 16,161; Apr. 13.
Hills Bros., San Francisco, Calif. Reflections of a Dining-Room Mirror (6⅛" by 15"). For Coffee. 16,162; Apr. 13.
Hills Bros., San Francisco, Calif. What This Shelf Would Say if it Could (6⅛" by 15"). For Coffee. 16,163; Apr. 13.
Hills Bros., San Francisco, Calif. Suppose the Telephone Talked (6⅛" by 8¾"). For Coffee. 16,164; Apr. 13.
Williams, J. B., Company, The, Glastonbury, Conn. Williams Shaving Blades. For Safety Razor Blades. 16,165; Apr. 13.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay, Rotary drilling. A. Courchesne, Inc. 344,965; Apr. 13; Serial No. 380,247; published Feb. 2, 1937.
Core-blacking. Hill & Griffith Company. 118,298; renewed Aug. 28, 1937.
Material, Inorganic. Owens-Illinois Glass Company. 345,156; Apr. 13.
Seed, Cotton. Summerour and Smith. 345,097; Apr. 13; Serial No. 385,951; published Feb. 2, 1937.

CLASS 2

Cans, Oil. United Chromium, Incorporated. 345,137; Apr. 13; Serial No. 386,825; published Feb. 2, 1937.
Dispensers and dispenser closures and toast and waffle covers. Imperial Molded Products Corporation. 345,134; Apr. 13; Serial No. 386,680; published Feb. 2, 1937.

CLASS 3

Bags and pocketbooks, Hand. Du Barry Bags Incorporated. 344,984; Apr. 13; Serial No. 383,209; published Feb. 2, 1937.
Suitcases, hat boxes, wardrobe hand luggage, etc. Heinrich Hermann & Weiss. 345,155; Apr. 13.

CLASS 4

Chemical substance used as a detergent. Richards Chemical Works. 344,950; Apr. 13; Serial No. 372,209; published Feb. 2, 1937.
Chemical substance used as a detergent. Richards Chemical Works. 344,951; Apr. 13; Serial No. 372,212; published Feb. 2, 1937.
Cleaning compound, Alkaline. Diversey Corporation. 345,132; Apr. 13; Serial No. 386,534; published Feb. 2, 1937.
Cleaning compound, metal polish, and shoe cleaner and polish, Carpet. Wizard, Inc. 345,129; Apr. 13; Serial No. 386,468; published Feb. 2, 1937.
Compound for keeping windshields clear of ice, etc. Viz Corporation of America. 345,076; Apr. 13; Serial No. 385,614; published Feb. 2, 1937.
Detergent compound. Pure Solvent Co. 344,999; Apr. 13; Serial No. 383,941; published Feb. 2, 1937.
Dressing, Leather. Woolman and Robles. 345,079; Apr. 13; Serial No. 385,656; published Feb. 2, 1937.
Dressing, Razor strop. G. W. Eby. 345,046; Apr. 13; Serial No. 385,218; published Feb. 2, 1937.
Shaving cream and shaving soap. H. Kirk White & Co. 345,061; Apr. 13; Serial No. 385,458; published Feb. 2, 1937.
Shaving cream, shaving soap, and toilet soap. Saks & Company. 345,112; Apr. 13; Serial No. 386,172; published Feb. 2, 1937.
Soap, Hygienic. National Retailer-Owned Grocers, Inc. 345,127; Apr. 13; Serial No. 386,440; published Feb. 2, 1937.
Soap powder, Cold water. Savogran Company. 344,990; Apr. 13; Serial No. 383,546; published Feb. 2, 1937.

CLASS 6

Alterative food supplement. Tyler Laboratories, Inc. 345,021; Apr. 13; Serial No. 384,724; published Jan. 26, 1937.
Antiacid effervescent preparation. Miles Laboratories, Inc. 345,094; Apr. 13; Serial No. 385,895; published Feb. 2, 1937.
Antiseptics and germicides. E. R. Squibb & Sons. 345,048; Apr. 13; Serial No. 385,269; published Jan. 26, 1937.
Astringents, astringent cerates, bleach creams, etc. Parfumerie St. Denis. 345,083; Apr. 13; Serial No. 385,697; published Jan. 26, 1937.
Astringents, astringent cerates, bleach creams, etc. Parfumerie St. Denis. 345,104; Apr. 13; Serial No. 386,042; published Feb. 2, 1937.
Bismuth oxyiodo-gallate. Hoffmann-La Roche, Inc. 345,087; Apr. 13; Serial No. 385,733; published Jan. 26, 1937.
Capsules, Cold. L. G. Albee. 345,084; Apr. 13; Serial No. 385,716; published Jan. 26, 1937.
Capsules which contain the natural concentrate of vitamin E. Phoenix-Powers Co. 345,059; Apr. 13; Serial No. 385,449; published Feb. 2, 1937.
Chemical compounds. Monsanto Chemical Company. 345,036; Apr. 13; Serial No. 384,971; published Feb. 2, 1937.
Chemical compounds. Sylvanic Company. 345,044; Apr. 13; Serial No. 385,203; published Feb. 2, 1937.
Chemical preparation for removing light scale, rust, etc. from the surface of metal. H. R. Neilson. 345,053; Apr. 13; Serial No. 385,421; published Jan. 26, 1937.
Cod liver oil emulsion. F. C. Herschel. 345,023; Apr. 13; Serial No. 384,747; published Jan. 26, 1937.
Colors, Food. Chr. Hansen's Laboratory, Inc. 345,101; Apr. 13; Serial No. 386,028; published Feb. 2, 1937.
Cough syrup. Northwest Laboratories. 345,065; Apr. 13; Serial No. 385,535; published Jan. 26, 1937.
Cream, Cold, tissue, and face. S. Dadas. 345,039; Apr. 13; Serial No. 385,118; published Jan. 26, 1937.
Creams, cleansing creams, face powders, etc., Face. Quality Products Co. 345,018; Apr. 13; Serial No. 384,630; published Feb. 2, 1937.
Creams, Face. C. Furman. 345,098; Apr. 13; Serial No. 385,979; published Feb. 2, 1937.
Food colors, perfume raw materials, perfume oil concentrates, etc. Florasynth Laboratories, Inc. 344,945; Apr. 13; Serial No. 369,568; published Jan. 26, 1937.
Gas for treating and cooking purposes, Bottled and packaged. Vapyre Corporation. 345,056; Apr. 13; Serial No. 385,429; published Jan. 26, 1937.
Germicide for use in treatment of pathological tissue and blood, Selective. G. A. Hadley. 345,146; Apr. 13.
Hair dressing, hair coloring, and hair shampoo. A. Buchholtz Co. 344,972; Apr. 13; Serial No. 381,018; published Jan. 26, 1937.
Hair-oil. Madam's Buford & Owens. 115,878; renewed Mar. 20, 1937.

Hair tonic. C. C. Vanderhooven. 345,032; Apr. 13; Serial No. 384,912; published Feb. 2, 1937.
Insecticides. C. Ehrlich. 344,961; Apr. 13; Serial No. 378,651; published Jan. 26, 1937.
Insecticides. J. P. Tonday. 344,981; Apr. 13; Serial No. 382,364; published Jan. 26, 1937.
Liquid-waxy substance used as a plasticizer and softening agent. Hercules Powder Company. 345,063; Apr. 13; Serial No. 385,519; published Jan. 26, 1937.
Lotion and toilet powder, After-shave. Bourjois, Inc. 345,151; Apr. 13.
Lye. Boyer Chemical Laboratory Co. 345,085; Apr. 13; Serial No. 385,721; published Jan. 26, 1937.
Medicinal preparation. A. H. Binash. 345,013; Apr. 13; Serial No. 384,497; published Feb. 2, 1937.
Medicinal preparation. V. Boccella. 345,011; Apr. 13; Serial No. 384,404; published Feb. 2, 1937.
Medicinal preparation. C. O. Fountaine. 344,985; Apr. 13; Serial No. 383,416; published Feb. 2, 1937.
Medicinal preparation. Upjohn Company. 345,068; Apr. 13; Serial No. 385,553; published Jan. 26, 1937.
Medicinal preparation for the heart. Methanthin Laboratories. 345,017; Apr. 13; Serial No. 384,593; published Jan. 26, 1937.
Medicinal preparations for the relief of asthma, etc. N. B. Raich. 345,088; Apr. 13; Serial No. 385,749; published Jan. 26, 1937.
Medicine. Ernst Bischoff Company. 345,022; Apr. 13; Serial No. 384,733; published Jan. 26, 1937.
Medicine for coughs, etc. Old Reliable Laboratories, Incorporated. 345,004; Apr. 13; Serial No. 384,047; published Feb. 2, 1937.
Mosquito larvacide. Endowment Foundation. 345,049; Apr. 13; Serial No. 385,282; published Feb. 2, 1937.
Moth-deodorant preparation. Goulard & Olena, Inc. 344,962; Apr. 13; Serial No. 378,917; published Jan. 26, 1937.
Ointment. B. A. Giusti. 344,995; Apr. 13; Serial No. 383,807; published Feb. 2, 1937.
Ointments and salves. Nu-Ro-No Products Company. 345,019; Apr. 13; Serial No. 384,687; published Jan. 26, 1937.
Oxygen, Electrolytic. Burdett Oxygen Company. 117,994; renewed Aug. 14, 1937.
Perfumes, toilet waters, rouge, etc. Schiaparelli, Société Anonyme. 345,027; Apr. 13; Serial No. 384,835; published Jan. 26, 1937.
Photo developers. Carus Chemical Co. 345,069–70; Apr. 13; Serial Nos. 385,556–7; published Jan. 26, 1937.
Powder, Adhesive denture. Fort Orange Chemical Co. 345,096; Apr. 13; Serial No. 385,921; published Feb. 2, 1937.
Powder, Borated talcum. Ford Hopkins Company. 345,152; Apr. 13.
Powder, perfume, soapless shampoo, etc., Face. Donna-Lo Laboratories, Inc. 345,030; Apr. 13; Serial No. 384,887; published Feb. 2, 1937.
Preparation for bunions, burns, etc. Knox Company. 345,082; Apr. 13; Serial No. 385,692; published Jan. 26, 1937.
Preparation for colds. O. H. Kuether. 344,960; Apr. 13; Serial No. 378,603; published Jan. 26, 1937.
Preparation for dressing in surgery cuts, etc. C. A. Thayer. 345,106; Apr. 13; Serial No. 386,053; published Feb. 2, 1937.
Preparation for the hair and scalp. A. E. Lavett. 344,988; Apr. 13; Serial No. 383,499; published Jan. 26, 1937.
Preparations for the treatment of disorders of the kidneys, etc. Knox Company. 344,975; Apr. 13; Serial No. 381,412; published Feb. 2, 1937.
Preparation for the treatment of tricophytosis, etc. E. C. Williams. 344,947; Apr. 13; Serial No. 370,370; published Jan. 26, 1937.
Preparation for treatment of headache. Dr. Ballowitz & Co. Chemisch-Pharmaz. G. m. b. H. 344,998; Apr. 13; Serial No. 383,868; published Jan. 26, 1937.
Preparation in the nature of a vaccine or serum for colds, etc. Wm. S. Merrell Company. 344,956; Apr. 13; Serial No. 374,976; published Jan. 26, 1937.
Preparations for use in feminine hygiene. B. A. Krebs. 345,064; Apr. 13; Serial No. 385,522; published Jan. 26, 1937.
Preparations in the form of and ointment, oil and solution for treatment of arthritis, etc. Medicinal Research Laboratories. 344,980; Apr. 13; Serial No. 382,147; published Feb. 2, 1937.
Preservatives, Egg. Sozol (1924) Limited. 345,009; Apr. 13; Serial No. 384,222; published Feb. 2, 1937.
Reagent for determining sugar in urine. Sächsisches Serumwerk, Aktiengesellschaft. 344,994; Apr. 13; Serial No. 383,751; published Jan. 26, 1937.
Saline compound, Artemia. St. E. Abernathy. 344,973; Apr. 13; Serial No. 381,250; published Jan. 26, 1937.
Salve, Ointment, tooth powder, etc. Rayo Chemical Corporation. 345,034; Apr. 13; Serial No. 384,932; published Jan. 26, 1937.
Spray, bleaching powder, Insect powder, etc., Insect. C. Moss. 345,074; Apr. 13; Serial No. 385,596; published Feb. 2, 1937.
Suppositories, Rectal. M. S. Glauser. 345,067; Apr. 13; Serial No. 385,545; published Jan. 26, 1937.

Tablets made of saccharin, Sweetening. Otis Clapp & Son, Inc. 345,001; Apr. 13; Serial No. 383,984; published Jan. 26, 1937.
Tonic and hematinic, Ferruginous. Nutri-Brom Pharmacal Co. 344,977; Apr. 13; Serial No. 381,572; published Feb. 2, 1937.
Tonic and nutrient, Medicinal. E. I. Runner. 118,096; renewed Aug. 14, 1937.
Tooth-paste. Wrigley & Company. 115,832; renewed Mar. 6, 1937.
Tooth powder, mouth washes, dentifrices, etc. Comfort Manufacturing Company. 345,159; Apr. 13.

CLASS 9

Cartridges. Peters Cartridges Company. 345,162; Apr. 13.

CLASS 12

Composition for coloring concrete, Black. Glidden Company. 345,161; Apr. 13.

CLASS 13

Injectors for steam heating systems, Chemical compound. Otto Engineering Co. Inc. 345,158; Apr. 13.
Nozzles, Shut-off. F. S. & W. W. Hirsch. 345,002; Apr. 13; Serial No. 383,999; published Feb. 2, 1937.
Plugs for screws, Anchor. Fibro-Plugs Solar Industries. 344,957; Apr. 13; Serial No. 377,255; published Feb. 2, 1937.

CLASS 14

Spelter, sheet-zinc, zinc oxid, and copper ingots. Illinois Zinc Company. 118,299; renewed Aug. 28, 1937.

CLASS 15

Petroleum products. Tide Water Oil Company. 117,381; renewed July 3, 1937.

CLASS 16

Paint driers, varnish driers, enamel driers, etc. Muodex Products Co. 345,130; Apr. 13; Serial No. 386,494; published Feb. 2, 1937.
Wax polishes, waxes, and finishes. Ultra Chemical Works, Inc. 345,149; Apr. 13.

CLASS 17

Cigarettes. Hanff-Metzger, Inc. 345,099; Apr. 13; Serial No. 385,981; published Feb. 2, 1937.
Cigars. F. S. Gonzalez. 345,029; Apr. 13; Serial No. 384,850; published Feb. 2, 1937.
Cigars. J. Lopez. 344,944; Apr. 13; Serial No. 367,248; published Feb. 2, 1937.
Tobacco, cigars, and cigarettes, Smoking and chewing. G. W. Zimmerman. 345,090; Apr. 13; Serial No. 385,766; published Feb. 2, 1937.

CLASS 19

Automobiles. Sunshine-Radio System, Inc. 344,971; Apr. 13; Serial No. 380,976; published Feb. 2, 1937.

CLASS 21

Batteries and parts thereof, Storage. Willard Storage Battery Company. 345,025–6; Apr. 13; Serial Nos. 384,772–3; published Feb. 2, 1937.
Condensers, coils, inductances, etc. F. W. Sickles Company. 345,066; Apr. 13; Serial No. 385,540; published Feb. 2, 1937.
Electric generator combinations, Prime-mover-driven. Zenith Radio Corporation. 344,952; Apr. 13; Serial No. 373,009; published Feb. 2, 1937.
Electric grill. F. C. Wilson. 345,037; Apr. 13; Serial No. 385,019; published Feb. 2, 1937.
Radio receiving sets and parts. Automatic Radio Manufacturing Co. 345,122; Apr. 13; Serial No. 386,397; published Feb. 2, 1937.

CLASS 22

Cards usable as an educational word game, Letter and alphabet. P. Castagna. 345,138; Apr. 13; Serial No. 386,885; published Feb. 2, 1937.

CLASS 23

Abrading, grinding and lapping machines. Norton Company. 345,054; Apr. 13; Serial No. 385,423; published Feb. 2, 1937.
Addressing machines, and stencil printing apparatus and attachments therefor, etc. Elliott Addressing Machine Company. 345,080–1; Apr. 13; Serial Nos. 385,664–5; published Feb. 2, 1937.
Compressors and compressor units for compressing fluids. Frigidaire Corporation. 344,954; Apr. 13; Serial No. 374,080; published Apr. 21, 1936.
Fire extinguishers, Portable hand and automatic. I. L. Schwartz. 345,006; Apr. 13; Serial No. 384,099; published Feb. 2, 1937.
Razor blade, Safety. Colton Razor Blade Company. 345,124; Apr. 13; Serial No. 386,410; published Feb. 2, 1937.
Razor blades and pocket knives. D. H. Rider. 345,128; Apr. 13; Serial No. 386,445; published Feb. 2, 1937.
Razor blades, Safety. Colton Razor Blade Company. 345,113; Apr. 13; Serial No. 386,243; published Feb. 2, 1937.
Razor blades, Safety. Colton Razor Blade Company. 345,123; Apr. 13; Serial No. 386,407; published Feb. 2, 1937.
Razors and razor blades. International Safety Razor Corp. 345,052; Apr. 13; Serial No. 385,407; published Feb. 2, 1937.

Sewer and drain cleaning machines. Roto-Rooter Corporation. 344,958; Apr. 13; Serial No. 378,005; published Feb. 2, 1937.
Sharpeners, Razor blade. Sharpo Specialties Company. 345,055; Apr. 13; Serial No. 385,427; published Feb. 2, 1937.
Sprayers. Union Oil Company of California. 345,121; Apr. 13; Serial No. 386,384; published Feb. 2, 1937.

CLASS 26

Lenses, Photographic. Taylor, Taylor & Hobson, Limited. 344,953; Apr. 13; Serial No. 374,024; published Feb. 2, 1937.

CLASS 27

Clocks. United Chromium, Incorporated. 345,136; Apr. 13; Serial No. 386,823; published Feb. 2, 1937.
Clocks and watches. Western Clock Company. 345,160; Apr. 13.

CLASS 29

Brooms and mops, Household. Lockhart Manufacturing Co. 345,003; Apr. 13; Serial No. 384,040; published Feb. 2, 1937.

CLASS 31

Machines for making frozen confections. Sno Creme Freezer Corporation. 345,131; Apr. 13; Serial No. 386,503; published Feb. 2, 1937.
Refrigerated buttermilk dispenser and parts thereof. Buttermilk Dispensers. 345,078; Apr. 13; Serial No. 385,622; published Feb. 2, 1937.

CLASS 32

Couches, Twin studio. Sleeper, Inc. 344,979; Apr. 13; Serial No. 381,790; published Feb. 2, 1937.
Tables, cabinets, racks, etc. S. Blickman, Inc. 344,978; Apr. 13; Serial No. 381,604; published Feb. 2, 1937.

CLASS 33

Glass, Flat. Blue Ridge Glass Corporation. 345,095; Apr. 13; Serial No. 385,876; published Feb. 2, 1937.

CLASS 34

Air conditioners. S. Slutsky. 345,007; Apr. 13; Serial No. 384,140; published Feb. 2, 1937.
Burners, Automatic oil. North Shore Electric Co. 344,974; Apr. 13; Serial No. 381,283; published Feb. 2, 1937.
Heaters, Instantaneous automatic gas water. Union Coil & Manufacturing Co. 345,060; Apr. 13; Serial No. 385,455; published Feb. 2, 1937.
Reflectors and lenses, Lamp. T. S. Kelly. 344,983; Apr. 13; Serial No. 382,720; published Feb. 2, 1937.
Stoves, Gasoline operated cooking. American Gas Machine Company. 345,107; Apr. 13; Serial No. 386,091; published Feb. 2, 1937.

CLASS 35

Tires. Goodyear Tire & Rubber Company. 345,114–5; Apr. 13; Serial Nos. 386,251–2; published Feb. 2, 1937.

CLASS 36

Phonographs and apparatus for recording sound on discs and accessories thereof. Sonotone Corporation. 344,948; Apr. 13; Serial No. 370,782; published Feb. 2, 1937.
Pianos. Winter and Company. 345,119–20; Apr. 13; Serial Nos. 386,324–5; published Feb. 2, 1937.

CLASS 37

Doilies, table mats, table cloths, etc. R. Cooley. 345,033; Apr. 13; Serial No. 384,921; published Jan. 26, 1937.
Envelopes, Paper. American Envelope Co. 345,077; Apr. 13; Serial No. 385,619; published Feb. 2, 1937.
Sheets, Absorbent face cleansing. International Cellucotton Products Company. 345,153–4; Apr. 13.
Tissue, Facial. Wilco Drug, Inc. 345,051; Apr. 13; Serial No. 385,323; published Feb. 2, 1937.
Wall paper. Louisville Wall Paper Co. Inc. 345,093; Apr. 13; Serial No. 385,850; published Feb. 2, 1937.

CLASS 38

Cartoons. C. Crutcher. 344,996; Apr. 13; Serial No. 383,836; published Feb. 2, 1937.
Column for articles or writings. Philadelphia Record Company. 345,092; Apr. 13; Serial No. 385,802; published Feb. 2, 1937.
Magazine. W. G. Blanchard II. 345,005; Apr. 13; Serial No. 384,063; published Feb. 2, 1937.
Magazine. Rimington Publishing Co. 345,035; Apr. 13; Serial No. 384,933; published Feb. 2, 1937.
Newspaper column. Time, Incorporated. 345,089; Apr. 13; Serial No. 385,757; published Feb. 2, 1937.
Periodical. Institutional Publications, Inc. 344,991; Apr. 13; Serial No. 383,580; published Jan. 26, 1937.
Periodical. Whitmore & Smith, Book Agents, Publishing House, M. E. Church, South. 345,062; Apr. 13; Serial No. 385,460; published Feb. 2, 1937.
Post-cards and pictorial illustrations, Multi-colored. Curt Teich & Company. 345,040; Apr. 13; Serial No. 385,135; published Feb. 2, 1937.
Post-cards and pictorial illustrations, Multi-colored. Curt Teich & Company. 345,041; Apr. 13; Serial No. 385,137; published Feb. 2, 1937.
Publications. Baker's Forecaster, Inc. 345,000; Apr. 13; Serial No. 383,975; published Jan. 26, 1937.
Sections of periodical publications. United States News Publishing Corporation. 345,109–10; Apr. 13; Serial Nos. 386,131–2; published Feb. 2, 1937.

CLASS 39

Coats and suits, Women's. Printz-Biederman Company. 345,091; Apr. 13; Serial No. 385,801; published Feb. 2, 1937.
Corsets, girdles, brassières, etc. H. W. Gossard Co. 345,086; Apr. 13; Serial No. 385,731; published Feb. 2, 1937.
Dresses, aprons, smocks, etc. I. Greengrass. 345,147; Apr. 13.
Dresses, coats, and suits. F. Safian. 345,031; Apr. 13; Serial No. 384,907; published Feb. 2, 1937.
Dresses, slacks, shorts, etc., Sport. Rice-Stix Dry Goods Co. 344,959; Apr. 13; Serial No. 378,337; published Feb. 2, 1937.
Foot wear. Hack Shoe Company. 345,008; Apr. 13; Serial No. 384,209; published Feb. 2, 1937.
Hosiery and ladies' silk underwear. Peertex Corporation. 344,986; Apr. 13; Serial No. 383,442; published Feb. 2, 1937.
Neckties and mufflers. McCurrach Organization Incorporated. 345,133; Apr. 13; Serial No. 386,547; published Feb. 2, 1937.
Pajamas and night gowns, Ladies'. Reliance Manufacturing Company. 344,968; Apr. 13; Serial No. 380,364; published Nov. 17, 1936.
Pajamas for women. Holeproof Hosiery Co. 345,116–7; Apr. 13; Serial Nos. 386,256–7; published Feb. 2, 1937.
Pajamas, outer shirts, and underwear, nightshirts, Men's. Frackville M'fg. Company. 345,071; Apr. 13; Serial No. 385,572; published Feb. 2, 1937.
Pants, shorts, athletic shirts, etc., Running. I. Panitz. 344,942; Apr. 13; Serial No. 334,688; published Feb. 2, 1937.
Shirts, polo shirts, jackets, etc., Sweat. Norwich Knitting Company. 345,111; Apr. 13; Serial No. 386,167; published Feb. 2, 1937.
Shoes. D. Armstrong & Company. 345,047; Apr. 13; Serial No. 385,245; published Feb. 2, 1937.
Shoes. Juvenile Shoe Corporation of America. 345,103; Apr. 13; Serial No. 386,031; published Feb. 2, 1937.
Shoes. Pasadena Slipper Company. 345,105; Apr. 13; Serial No. 386,044; published Feb. 2, 1937.
Shoes. K. Romig. 345,015; Apr. 13; Serial No. 384,558; published Feb. 2, 1937.
Shoes. Sulkis Shoe Company. 344,969; Apr. 13; Serial No. 380,415; published Feb. 2, 1937.
Shoes, slippers. J. Smith. 345,024; Apr. 13; Serial No. 384,765; published Jan. 12, 1937.
Shoes, Women's. Strouss-Hirshberg Company. 345,010; Apr. 13; Serial No. 384,273; published Feb. 2, 1937.
Shorts, Men's. W. T. Grant Company. 345,100; Apr. 13; Serial No. 386,025; published Feb. 2, 1937.
Slips. Industrial Undergarment Corporation. 345,102; Apr. 13; Serial No. 386,030; published Feb. 2, 1937.
Sportswear. N. Kushman. 345,014; Apr. 13; Serial No. 384,538; published Feb. 2, 1937.
Suspenders, Babies' diaper. K. M. Quinn. 344,997; Apr. 13; Serial No. 383,863; published Feb. 2, 1937.
Trousers, pants, trunks, etc. Buffalo Faultless Pants Co. Inc. 345,045; Apr. 13; Serial No. 385,210; published Feb. 2, 1937.
Trousers, shorts, knickers, and suits. M. Matusow. 345,118; Apr. 13; Serial No. 386,313; published Feb. 2, 1937.
Uniforms, overcoats, and top coats, etc. Haymarket Clothing Company. 345,163; Apr. 13.
Visors, Sport. H. C. Hughes. 344,966; Apr. 13; Serial No. 380,278; published Feb. 2, 1937.

CLASS 40

Emblems and insignia. Hertz and Tubell. 345,144; Apr. 13.
Shoe horns. American Findings Manufacturing Company. 345,020; Apr. 13; Serial No. 384,695; published Feb. 2, 1937.

CLASS 42

Cloths and stuffs of wool. Scottish Woollen Trade Mark Association Limited. 344,992; Apr. 13; Serial No. 383,650; published Jan. 19, 1937.
Cotton duck. Hettrick Manufacturing Company. 345,157; Apr. 13.
Elastic fabrics. Filatex Corporation. 345,043; Apr. 13; Serial No. 385,182; published Feb. 2, 1937.
Fabrics in the piece. Milford Textile Corporation. 345,073; Apr. 13; Serial No. 385,595; published Feb. 2, 1937.
Ribbons. J. M. Langenieux. 345,072; Apr. 13; Serial No. 385,588; published Feb. 2, 1937.
Sheets and pillow cases. Cannon Mills Company. 345,028; Apr. 13; Serial No. 384,842; published Dec. 8, 1936.
Shirtings and broadcloth piece goods. Pepperell Manufacturing Company. 344,955; Apr. 13; Serial No. 374,569; published Oct. 13, 1936.
Woolen goods. Stonekirk Worsted Company. 345,140; Apr. 13.
Woolen goods in the piece. Worumbo Manufacturing Company. 117,801; renewed July 31, 1937.
Worsted piece goods. Howse, Mead & Sons, Inc. 345,141; Apr. 13.

CLASS 43

Yarns, Hosiery. King Cotton Mills Corporation. 118,201; renewed Aug. 21, 1937.

CLASS 44

Dental surgical dressing. H. Hardy. 345,142; Apr. 13.
Mechanical device used as an aid to hearing. E. B. Meyrowitz, Inc. 118,209; renewed Aug. 21, 1937.
Sterilizers, Electric surgical. M. Abraham. 344,967; Apr. 13; Serial No. 380,327; published Feb. 2, 1937.

CLASS 46

Bacon. Agar Packing & Provision Corporation. 345,038; Apr. 13; Serial No. 385,022; published Feb. 2, 1937.
Bacon, Breakfast. John Morrell & Co. 116,541; renewed May 8, 1937.
Butter, Creamery. Yorkshire Creamery Co. 117,074; renewed June 12, 1937.
Candy. Walter H. Johnson Candy Company. 345,108; Apr. 13; Serial No. 386,114; published Feb. 2, 1937.
Canned apricots, pitted red cherries, pork and beans, etc. United Buyers Corporation. 344,949; Apr. 13; Serial No. 371,716; published Feb. 2, 1937.
Canned citrus fruits and canned citrus juices. Floridagold Citrus Corporation. 345,057; Apr. 13; Serial No. 385,437; published Feb. 2, 1937.
Canned fruits and canned vegetables. W. R. Roach & Company. 345,139; Apr. 13.
Canned mushroom broth. Grocery Products Manufacturing Corporation. 345,143; Apr. 13.
Canned pineapple. Havana Pineapple Company, S. A. 345,058; Apr. 13; Serial No. 385,439; published Feb. 2, 1937.
Canned salmon. Griffith-Durney Company. 344,970; Apr. 13; Serial No. 380,566; published Sept. 8, 1936.
Canned vegetables. Chinook Packing Company. 344,976; Apr. 13; Serial No. 381,547; published Sept. 29, 1936.
Chocolates. Sweet Candy Co. 116,564; renewed May 8, 1937.
Coffee, tea, and cocoa. Edmands Coffee Company. 118,395; renewed Sept. 4, 1937.
Flour and cookies, Prepared cake and cookie. R. C. Jackman. 345,150; Apr. 13.
Flour, Wheat. C. H. Guenther & Son, Inc. 345,016; Apr. 13; Serial No. 384,588; published Feb. 2, 1937.
Food, Dog. Vita-Fresh Dog Food Corp. 345,075; Apr. 13; Serial No. 385,613; published Feb. 2, 1937.
Fruits, Fresh citrus. Edinburg Citrus Association. 345,125; Apr. 13; Serial No. 386,418; published Feb. 2, 1937.
Ham. Rath Packing Company. 345,148; Apr. 13.
Honey, Specially processed. A. I. Root Company. 345,050; Apr. 13; Serial No. 385,306; published Feb. 2, 1937.
Marshmallows. Imperial Candy Company. 117,667; renewed July 24, 1937.
Peanut butter. J. D. Johnston, Jr. 344,989; Apr. 13. Serial No. 383,530; published Feb. 2, 1937.
Rice. Interstate Rice Sales Co. 345,042; Apr. 13; Serial No. 385,143; published Feb. 2, 1937.
Salad dressing. Durkee Famous Foods, Inc. 344,946; Apr. 13; Serial No. 369,912; published Oct. 20, 1936.
Vegetables, cantaloupes, and honeydew melons, Fresh. Fred G. Hilvert Co. 345,126; Apr. 13; Serial No. 386,425; published Feb. 2, 1937.

CLASS 47

Wine. J. Spatola, Sr. 345,145; Apr. 13.

CLASS 48

Ale. Oertel Company. 344,964; Apr. 13; Serial No. 380,073; published Feb. 2, 1937.
Beer. Christ. Diehl Brewing Company. 344,993; Apr. 13; Serial No. 383,722; published Feb. 2, 1937.
Beer. Louis Eckert Brewing Company. 344,963; Apr. 13; Serial No. 379,512; published Feb. 2, 1937.
Beer. Haberle Congress Brewing Co. 344,943; Apr. 13; Serial No. 354,037; published Aug. 6, 1935.
Beer. Pilser Brewing Company. 345,135; Apr. 13; Serial No. 386,774; published Feb. 2, 1937.
Malt beverage. Free State Brewery Corporation. 345,012; Apr. 13; Serial No. 384,455; published Feb. 2, 1937.

CLASS 50

Bottle caps and the like. Minneapolis Brewing Company. 344,987; Apr. 13; Serial No. 383,474; published Nov. 24, 1936.
Leather, Composition. Fibre Leather Manufacturing Corporation. 344,982; Apr. 13; Serial No. 382,625; published Feb. 2, 1937.

LIST OF LABELS

Ada Milling Company Corn Meal; (Large Floral Pattern with Pink Background). For Corn Meal. Ada Milling Company. 49,187; Apr. 13.
Ada Milling Company Corn Meal; (Square Blocks Set on Lavender Background). For Corn Meal. Ada Milling Company. 49,188; Apr. 13.
Ada Milling Company Corn Meal; (Small Flowers Scattered on Blue Background). For Corn Meal. Ada Milling Company. 49,189; Apr. 13.
Ada Milling Company Corn Meal; (Red, White & Deep Blue Pattern of Varied Size Blocks). For Corn Meal. Ada Milling Company. 49,190; Apr. 13.
Ada Milling Company Corn Meal; (Blue and White Disks on Blue and Red Background). For Corn Meal. Ada Milling Company. 49,191; Apr. 13.
Air-Vent Custard-Cup Covers. For Water Proof Silk Covers for Custard Cups. A. Reinhold. 49,213; Apr. 13.
Air-Vent Bowl Covers. For Water Proof Silk Covers for Food Bowls. A. Reinhold. 49,214; Apr. 13.
Baltimore Club. For Blended Whiskey. Gordon-O'Neill Co. 49,199; Apr. 13.
Bar Service, Old Mr. Boston. For Dry Gin. Ben-Burk, Inc. 49,192; Apr. 13.
Bo-Po's. For a Dietary Dressing Spiced Italian Style. A. Shannon. 49,220; Apr. 13.
Breidt's. For Pilsner Beer. Peter Breidt Brewing Company. 49,194; Apr. 13.
Breidt's. For Bock Beer. Peter Breidt Brewing Company. 49,195; Apr. 13.
Breidt's. For Dark Beer. Peter Breidt Brewing Company. 49,196; Apr. 13.
Clermont's Triple Purpose Laxative. For a Laxative Preparation. Clermont Chemical Co. 49,198; Apr. 13.
Country Club Flour. For Flour. Kroger Grocery & Baking Co. 49,204; Apr. 13.
Courage. For Fresh Oranges. Santa Paula Orange Assn. 49,217; Apr. 13.
Dr. Naylor's Antiseptic Dusting Powder. For Antiseptic Powders for External Use. H. W. Naylor. 49,208; Apr. 13.
Fine Footwear. For Footwear. A. C. Clayton Printing Company. 49,197; Apr. 13.
Helen Wills. For Women's Wear. H. W. Moody. 49,207; Apr. 13.
Johnson's Glo-Coat. For Self Polishing Floor Polish. S. C. Johnson & Son, Inc. 49,202; Apr. 13.
Klozone. For a Liquid Bleach. Klozone Chemical Company. 49,203; Apr. 13.
Lettuce Bag. For Water Proof Silk Bags for Containing Vegetables. A. Reinhold. 49,215; Apr. 13.
Moth-Fly Spray. For Insect Spray. O-Cedar Corp'n. 49,209; Apr. 13.
Murjana. For Cosmesis Tissue Creme. Borzoi Laboratories, Incorporated. 49,193; Apr. 13.
O-So-Ezy No Rubbing Wax. For No Rubbing Wax. O-Cedar Corp'n. 49,210; Apr. 13.
Out-O-Sight. For Fresh Oranges. Santa Paula Orange Assn. 49,218; Apr. 13.
Phyllis Braud Shoes. For Shoes. Hoague-Sprague Corporation. 49,201; Apr. 13.
Pipe. For Fresh Citrus Fruits. Lakeland Highlands Cooperative Association. 49,206; Apr. 13.
Rajo Hair Vitalizer. For a Preparation Used as a Hair Vitalizer and for Treating Dandruff and Falling Hair. J. T. Scoma. 49,219; Apr. 13.
Rex. For Boxes. Hoague-Sprague Corporation. 49,200; Apr. 13.
Saddle. For Fresh Citrus Fruits. Lakeland Highlands Cooperative Association. 49,205; Apr. 13.
Stalwart. For Fresh Oranges. Santa Paula Orange Assn. 49,216; Apr. 13.
Talisman. For Fresh Oranges. Redlands Orangedale Association. 49,212; Apr. 13.
Vermont Maid. For Syrup. Penick & Ford, Ltd., Incorporated. 49,211; Apr. 13.
Veterans' Club. For Gin. A. M. Simons. 49,221; Apr. 13.

LIST OF PRINTS

Awful Fresh Macfarlane. For Candy, Chocolates, and Salted Nuts. Awful Fresh Macfarlane. 16,151; Apr. 13.
Help Your Boy Bat 1000. For Wheat Breakfast Food. Cream of Wheat Corporation. 16,153; Apr. 13.
If the Walls of this Room (6-¼" by 8-¾"). For Coffee. Hills Bros. 16,158; Apr. 13.
If the Walls of This Room Could Tell What They Hear (6-⅛" by 15"). For Coffee. Hills Bros. 16,159; Apr. 13.
It's Valen-Time Now. For Confectionery. Awful Fresh Macfarlane. 16,149; Apr. 13.
Observations of a Kitchen Clock (6-⅛" by 15"). For Coffee. Hills Bros. 16,161; Apr. 13.

Reflections of a Dining-Room Mirror (6-⅛'' by 8-¾''). For Coffee. Hills Bros. 16,157; Apr. 13.
Reflections of a Dining-Room Mirror (6-⅛'' by 15''). For Coffee. Hills Bros. 16,162; Apr. 13.
Specification Sealed Gasoline. For Gasoline. Danciger Oil & Refineries, Inc. 16,154; Apr. 13.
Suppose the Telephone Talked (6-⅛'' by 15''). For Coffee. Hills Bros. 16,160; Apr. 13.
Suppose the Telephone Talked (6-⅛'' by 8-¾''). For Coffee. Hills Bros. 16,164; Apr. 13.
What This Shelf Would Say if it Could (6-⅛'' by 8-¾''). For Coffee. Hills Bros. 16,156; Apr. 13.
What This Shelf Would Say if it Could (6-⅛'' by 15''). For Coffee. Hills Bros. 16,163; Apr. 13.
Will You Try a New Way to Induce Youngsters to Eat Big Breakfasts of Whole Wheat. For Cereal Food. General Mills, Inc. 16,155; Apr. 13.
Williams Shaving Blades. For Safety Razor Blades. J. B. Williams Company. 16,165; Apr. 13.
You Cant Eat the Box. For Confectionery. Awful Fresh Macfarlane. 16,150; Apr. 13.
You Will Like My Stuff. For Candy and Nuts. Awful Fresh Macfarlane. 16,152; Apr. 13.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apex Electrical Manufacturing Company, The. (See Racklyeft, John W., assignor.)
Chamberlain Corporation. (See Etten, Nicholas L., assignor.)
Christopher, Edward F., assignor to Industrial Patents Corporation, Chicago, Ill. Adhesive and making same. 20,326; Apr. 13.
Claff, Clarence L., Randolph, Mass. Box construction. 20,332; Apr. 13.
Deal, Erastus C., Wilkes-Barre, Pa. Mechanical adjuster. 20,327; Apr. 13.
Etten, Nicholas L., Waterloo, Iowa, assignor, by mesne assignments, to Chamberlain Corporation. Operating mechanism for pressers. 20,328; Apr. 13.
Industrial Patents Corporation. (See Christopher, Edward F., assignor.)
Lee, Arthur L., Pittsburgh, Pa., assignor to Link-Belt Company, Chicago, Ill. Flexible coupling. 20,329; Apr. 13.
Link-Belt Company. (See Lee, Arthur L., assignor.)
Morton, Sterling, assignor to Teletype Corporation, Chicago, Ill. Keyboard mechanism for telegraph apparatus. 20,330; Apr. 13.
Perrin, Jay C., Los Angeles, Calif., assignor to Towlsaver, Inc. Paper towel dispenser. 20,333; Apr. 13.
Racklyeft, John W., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Ironing machine. 20,331; Apr. 13.
Teletype Corporation. (See Morton, Sterling, assignor.)
Towlsaver, Inc. (See Perrin, Jay C., assignor.)

LIST OF PLANT PATENTEES

Armstrong, John A., assignor to Armstrong Nurseries, Ontario, Calif. Rose. 243; Apr. 13.
Armstrong, John A., assignor to Armstrong Nurseries, Ontario, Calif. Rose. 244; Apr. 13.
Armstrong Nurseries. (See Armstrong, John A., assignor.)

LIST OF DESIGN PATENTEES

Agramonte, Jules, Birmingham, H. A. Shaw, Royal Oak, and E. Anderson, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich. Combined lamp door and lens. 104,009; Apr. 13.
Air Controls, Inc. (See Friedman, Arthur, assignor.)
Air Controls, Inc. (See Schwarz, Gerald L., assignor.)
Albertson, William E., et al. (See Ward, Annabelle E., assignor.)
Alper, Boris, New York, N. Y. Dress. 104,084; Apr. 13.
Alterson, Louis, New York, N. Y. Shoe ornament. 104,010; Apr. 13.
Anderson, Edmund. (See Agramonte, J., Shaw, and Anderson.)
Austin, John C. Oklahoma City, Okla. Combined air filter and cooler. 104,085; Apr. 13.
Bars, Jacques M., New York, N. Y., assignor to Warren Telechron Company. Clock case. 104,011; Apr. 13.
Bars, Jacques M., New York, N. Y., assignor to Warren Telechron Company. Clock case. 104,012; Apr. 13.
Bars, Jacques M., New York, N. Y., assignor to General Electric Company. Timer case. 104,013; Apr. 13.
Baruch, Edward, New York, N. Y. Gilet. 104,086; Apr. 13.
Bensel, Duryea, New York, N. Y. Box or similar container. 104,059; Apr. 13.
Billington, Henry E., Park Ridge, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone desk stand. 104,087; Apr. 13.
Blocker, Walter A., Larchmont, N. Y. Spectacle frame. 104,014; Apr. 13.
Blocker, Walter A., Larchmont, N. Y. Spectacle frame. 104,015; Apr. 13.
Botany Worsted Mills. (See Gaul, John F. Jr., assignor.)
Botterill, Tom, et al. (See Ward, Annabelle E., assignor.)
Bouchard, Samuel E., Rochester, N. Y. Combined bridge and brace for an ophthalmic mounting. 104,016; Apr. 13.
Bowdan, Jack, New York, N. Y. Dress ensemble. 104,088; Apr. 13.
Bowdan, Jack, New York, N. Y. Dress ensemble. 104,089; Apr. 13.
Bowdan, Jack, New York, N. Y. Dress ensemble. 104,090; Apr. 13.
Bowdan, Jack, New York, N. Y. Dress ensemble. 104,091; Apr. 13.
Bowser, S. F., & Company. (See Hutchison, William M., assignor.)
Budlong, Robert D., assignor to Edgar T. Ward Company, Inc., Chicago, Ill. Air circulator. 104,060; Apr. 13.
Bullard, E. D., Company. (See Bullard, Edward W., assignor.)
Bullard, Edward W., assignor to E. D. Bullard Company, San Francisco, Calif. Gas mask. 104,061; Apr. 13.
Century Electric Company. (See Hamilton, James L., assignor.)
Cincinnati Ball Crank Co., The. (See Wieslander, Leslie R., assignor.)
Clayton, Lloyd L., New York, N. Y. Tire. 104,017; Apr. 13.
Cole, Eugene M., Charlotte, N. C. Furrow opener. 104,018; Apr. 13.
Conill, Fernan O., New York, N. Y. Hair waving machine. 104,092; Apr. 13.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Box cover. 104,019; Apr. 13.
Crane Co. (See Link, Maximilian W., assignor.)
Cutler, Elizabeth, New York, N. Y. Dress. 104,093; Apr. 13.
Dickerson, Bert A., assignor to Faries Manufacturing Company, Decatur, Ill. Portable lamp. 104,094; Apr. 13.
Douglas Aircraft Company. (See Kleinhans, Earl S., assignor.)
Edelstein, Hyman M., Brooklyn, N. Y. Shoe. 104,020; Apr. 13.
Erickson, C. E. Company. (See Erickson, Ernest R., assignor.)
Erickson, Ernest R., assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa. Rack for bread or similar article. 104,021; Apr. 13.
Faber, John P., Dunellen, N. J., assignor to Ransome Concrete Machinery Co. Concrete mixer. 104,062; Apr. 13.
Faries Manufacturing Company. (See Dickerson, Bert A., assignor.)
Fife, Joseph R., Toledo, Ohio. Strip shingle. 104,095; Apr. 13.
Ford, Elmer A., Union City, assignor of one-half to A. Martin, Pittsburgh, Pa. Toy top. 104,022; Apr. 13.
Frankenstein, Harry S., Chicago, Ill. Bottle or similar article. 104,023; Apr. 13.
Frederick, A. Arthur. (See Frederick, Frederick R., and A. A.)
Frederick, Frederick R. and A. A., Crestwood, assignors to R. M. Harkness, New York, N. Y. Toy animal. 104,024; Apr. 13.
Frederick, Frederick R. and A. A., Crestwood, assignors to R. M. Harkness, New York, N. Y. Toy animal. 104,025; Apr. 13.
Friedman, Arthur, Shaker Heights, assignor to Air Controls, Inc., Cleveland, Ohio. Ventilator casing or similar article. 104,096; Apr. 13.
Fuchs, Kay, New York, N. Y. Glove. 104,063; Apr. 13.
Galkin, Arthur S., Providence, R. I. Mat link. 104,097; Apr. 13.
Ganz, Paul H., New York, N. Y. Sachet container. 104,098; Apr. 13.

Gaul, John F. Jr., Clifton, assignor to Botany Worsted Mills, Passaic, N. J. Textile fabric or similar article of manufacture. 104,026; Apr. 13.

Gaul, John F. Jr., Clifton, assignor to Botany Worsted Mills, Passaic, N. J. Textile fabric or similar article of manufacture. 104,027; Apr. 13.

Gaul, John F. Jr., Clifton, assignor to Botany Worsted Mills, Passaic, N. J. Textile fabric or similar article of manufacture. 104,028; Apr. 13.

General Electric Company. (See Bars, Jacques M., assignor.)

General Electric Company. (See Rainbault, John P., assignor.)

General Motors Corporation. (See Agramonte, J., Shaw and Anderson, assignors.)

Graef, Jean R., Brooklyn, N. Y. Combined wrist watch casing and bracelet therefor. 104,099; Apr. 14.

Gray, Jacqueline, Chicago, Ill. Face brush. 104,029; Apr. 13.

Grinnell Bros. (See Krasnick, Jacob L., assignor.)

Gunsbourg, Arcadius, Brussels, Belgium. Reflector. 104,030; Apr. 13.

Gussack, Henry W., Richmond Hill, N. Y. Carpet sweeper. 104,031; Apr. 13.

Guzy, Aaron, New York, N. Y. Dress ensemble. 104,100; Apr. 13.

Hamilton, James L., Richmond Heights, assignor to Century Electric Company, St. Louis, Mo. Electric fan. 104,064; Apr. 13.

Harkness, Ruth M. (See Frederick, Frederick R. and A. A., assignors.)

Hatch, William S., Gloversville, N. Y. Glove. 104,101; Apr. 13.

Hess, Clarence R. T., Prairie View, assignor to Edward Katzinger Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 104,065; Apr. 13.

Hess, Clarence R. T., Prairie View, assignor to Edward Katzinger Company, Chicago, Ill. Ferrule for household utensil handles and the like. 104,066; Apr. 13.

Hess, Clarence R. T., Prairie View, Ill., assignor to Edward Katzinger Company, Chicago, Ill. Ferrule for household utensil handles and the like. 104,102; Apr. 13.

Hess, Clarence R. T., Prairie View, Ill., assignor to Edward Katzinger Company, Chicago, Ill. Ferrule for household utensil handles and the like. 104,103; Apr. 13.

Hess, Clarence R. T., Prairie View, Ill., assignor to Edward Katzinger Company, Chicago, Ill. Ferrule for household utensil handles and the like. 104,104; Apr. 13.

Hess, Clarence R. T., Prairie View, Ill., assignor to Edward Katzinger Company, Chicago, Ill. Ferrule for household utensil handles and the like. 104,105; Apr. 13.

Horn, Harry J. (See Hunt, J H., and Horn.)

Howard, Viola T., Saylesville, R. I., assignor to Swank Products, Inc. Framed emblem or similar article. 104,106; Apr. 13.

Hunt, J. Harold, and H. J. Horn, assignors to Motor Wheel Corporation, Lansing, Mich. Wheel. 104,107; Apr. 13.

Hutchinson, Natalie, Bradford, Mass. Shoe. 104,108; Apr. 13.

Hutchison, William M., Indianapolis, assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Combined lamp pedestal and housing for dispensing apparatus. 104,032; Apr. 13.

Judsen, Nils A., and M. Rose, assignors to Kellogg Switchboard & Supply Company, Chicago, Ill. Wall telephone set. 104,109; Apr. 13.

Kanter, Edward, Cleveland Heights, Ohio, assignor to Railley Corporation. Wall bracket lamp. 104,033; Apr. 13.

Kanter, Edward, Cleveland Heights, Ohio, assignor to Railley Corporation. Wall bracket lamp. 104,034; Apr. 13.

Kanter, Edward, Cleveland Heights, Ohio, assignor to Railley Corporation. Wall bracket lamp. 104,035; Apr. 13.

Kanter, Edward, Cleveland Heights, Ohio, assignor to Railley Corporation. Wall bracket lamp. 104,036; Apr. 13.

Kanter, Edward, Cleveland Heights, Ohio, assignor to Railley Corporation. Wall bracket lamp. 104,037; Apr. 13.

Katzinger, Edward, Company. (See Hess, Clarence R. T., assignor.)

Katzinger, Edward, Company. (See Zimmer, Myron J., assignor.)

Kellogg Switchboard & Supply Company. (See Billington, Henry E., assignor.)

Kellogg Switchboard & Supply Company. (See Judsen, N. A., and Rose, assignors.)

Kestin, Samuel S., New York, N. Y. Buckle. 104,038; Apr. 13.

Kleinhans, Earl S., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplane. 104,110; Apr. 13.

Koch, Edwin A., River Edge, N. J. Lamp. 103,039; Apr. 13.

Koch, Louis A., Jr., Louisville, Ky. Automobile exhaust shroud. 104,111; Apr. 13.

Krasnick, Jacob L., Holly, assignor to Grinnell Bros., Detroit, Mich. Piano or similar article. 104,040; Apr. 13.

Krause, Ralph J., New York, N. Y. Textile fabric. 104,112; Apr. 13.

Lewis, Byrd R., Paducah, Tex. Desk stand. 104,067; Apr. 13.

Lewis, David, New York, N. Y. Straw handbag. 104,068; Apr. 13.

Lewis, David, New York, N. Y. Handbag. 104,069; Apr. 13.

Lewis, David, New York, N. Y. Handbag. 104,070; Apr. 13.

Lewis, David, New York, N. Y. Straw handbag. 104,071; Apr. 13.

Lewis, David, New York, N. Y. Handbag. 104,072; Apr. 13.

Lewis, David, New York, N. Y. Handbag. 104,073; Apr. 13.

Lewis, David, New York, N. Y. Straw handbag. 104,074; Apr. 13.

Lewis, David, New York, N. Y. Handbag. 104,075; Apr. 13.

Liem, See T., The Hague, Netherlands. Radiator cover. 104,076; Apr. 13.

Link, Maximilian W., Oak Park, Ill., assignor to Crane Co., Chicago, Ill. Handwheel. 104,113; Apr. 13.

Louis Watch Co. Inc. (See Ornstein, David, assignor.)

Martin, Archworth. (See Ford, Elmer A., assignor.)

McCulla, Walter, East Falls, Pa. Golf putter head. 104,041; Apr. 13.

McGee, Howard H., assignor to United States Rubber Products, Inc., New York, N. Y. Corset. 104,114; Apr. 13.

Michelson, Margaret, New York, N. Y. Dress. 104,115; Apr. 13.

Miller, Elliot A., New York, N. Y. Toilet bowl deodorizer. 104,077; Apr. 13.

Miller, Jane, New York, N. Y. Statuette or similar article. 104,116; Apr. 13.

Molicki, Severyn I., Denver, Colo. Airplane model. 104,078; Apr. 13.

Molicki, Severyn I., Denver, Colo. Airplane. 104,079; Apr. 13.

Montgomery Ward & Co., Incorporated. (See Underwood, John A., assignor.)

Morand, Donald A., Portland, Oreg. Drawer pull. 104,042; Apr. 13.

Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Radio receiver cabinet. 104,080; Apr. 13.

Motor Wheel Corporation. (See Hunt, J. H., and Horn.)

Northup, Amos E., Detroit, Mich., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Automobile. 104,081; Apr. 13.

Ornstein, David, assignor to Louis Watch Co. Inc., New York, N. Y. Watchcase. 104,043; Apr. 13.

Ornstein, David, assignor to Louis Watch Co. Inc., New York, N. Y. Watchcase. 104,044; Apr. 13.

Owens-Illinois Can Company. (See Connor, Martha H., assignor.)

Owens-Illinois Glass Company. (See Zimmerman, Willard P., assignor.)

Perona, John and J., New York, N. Y. Chair seat covering. 104,045; Apr. 13.

Perona, Joseph. (See Perona, John and J.)

Railley Corporation. (See Kanter, Edward, assignor.)

Rainbault, John P., New York, N. Y., assignor to General Electric Company. Clock case. 104,046; Apr. 13.

Rainbault, John P., New York, N. Y., assignor to General Electric Company. Clock case. 104,047; Apr. 13.

Rainbault, John P., New York, N. Y., assignor to General Electric Company. Clock case. 104,048; Apr. 13.

Rainbault, John P., New York, N. Y., assignor to General Electric Company. Clock case. 104,049; Apr. 13.

Ransome Concrete Machinery Co. (See Faber, John P., assignor.)

Rose, Morris. (See Judsen, N. A., and Rose.)

Salzberg, Benjamin, New York, N. Y. Decorative nail. 104,117; Apr. 13.

Schwarz, Gerald L., assignor to Air Controls, Inc., Cleveland, Ohio. Combined ventilator casing and support therefor. 104,118; Apr. 13.

Schwarz, Gerald L., assignor to Air Controls, Inc., Cleveland, Ohio. Ventilator casing or similar article. 104,119; Apr. 13.

Sears, Roebuck and Co. (See Morgan, John R., assignor.)

Shaw, Harry A. (See Agramonte, J., Shaw, and Anderson.)

Sholtz, Leo, New York, N. Y. Shoe or similar article. 104,050; Apr. 13.

Sholtz, Leo, New York, N. Y. Shoe or similar article. 104,051; Apr. 13.

Sholtz, Leo, New York, N. Y. Shoe or similar article. 104,052; Apr. 13.

Sholtz, Leo, New York, N. Y. Shoe or similar article. 104,053; Apr. 13.

Sholtz, Leo, New York, N. Y. Shoe or similar article. 104,054; Apr. 13.

Sholtz, Leo, New York, N. Y. Shoe or similar article. 104,055; Apr. 13.

Sholtz, Leo, New York, N. Y. Shoe or similar article. 104,056; Apr. 13.

Steinman, William G., New York, N. Y. Dress. 104,120; Apr. 13.

Swank Products, Inc. (See Howard, Viola T., assignor.)

Taylor, Fred C., assignor to The Taylor Wine Company, Hammondsport, N. Y. Display stand for bottles or the like. 104,121; Apr. 13.

Taylor Wine Company, The. (See Taylor, Fred C., assignor.)

Teres, William, New York, N. Y. Woven fabric. 104,057; Apr. 13.

Thebault, Joseph A., Raleigh, N. C. Emblem. 104,122; Apr. 13.

Underwood, John A., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Cooking range. 104,123; Apr. 13.

United States Rubber Products, Inc. (See McGee, Howard H., assignor.)

Ward, Annabelle E., Denver, Colo. Inclinometer. 104,125; Apr. 13.

Ward, Annabelle E., Denver, Colo., assignor of one-third to W. E. Albertson, Daytona Beach, Fla., and one-third to T. Botterill, Denver, Colo. Inclinometer. 104,124; Apr. 13.

Ward, Edgar T., Company. (See Budlong, Robert D., assignor.)

Warner, Michael M., Chicago, Ill. Tobacco pipe. 104,058; Apr. 13.

Warren Telechron Company. (See Bars, Jacques M., assignor.)

Weislander, Leslie R., Oakland, Calif., assignor to The Cincinnati Ball Crank Co., Cincinnati, Ohio. Display cabinet. 104,126; Apr. 13.

Willys-Overland Motors, Inc. (See Northup, Amos E., assignor.)

Zimmer, Myron J., assignor to Edward Katzinger Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 104,082; Apr. 13.

Zimmer, Myron J., assignor to Edward Katzinger Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 104,083; Apr. 13.

Zimmerman, Willard P., Muncie, Ind., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 104,127; Apr. 13.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrams, Allen, C. L. Wagner, and G. W. Forcey, Wausau, assignors to Marathon Paper Mills Company, Rothschild, Wis. Surgical wrapping. 2,077,299; Apr. 13.

Abrams, Allen, and C. L. Wagner, Wausau, and B. F. Davis, Arena, assignors to Marathon Paper Mills Company, Rothschild, Wis. Packaging cheese. 2,077,300; Apr. 13.

Abrams, Allen, and C. L. Wagner, Wausau, and B. F. Davis, Arena, assignors to Marathon Paper Mills Company, Rothschild, Wis. Packaging cheese. 2,077,301; Apr. 13.

Adair, Thomas D., Quincy, assignor to Standard Thermometer Inc., Boston, Mass. Metering mechanism. 2,077,086; Apr. 13.

Adams, James D., White Plains, N. Y. Last. 2,076,931; Apr. 13.

Adams, Nathan H., Schenectady, N. Y., assignor to General Electric Company. Cutlery grinder. 2,077,195; Apr. 13.

Adams, Robert J., assignor of one-half to J. T. Hightower, Thomaston, Ga. Drawing mechanism. 2,076,609; Apr. 13.

Agfa Ansco Corporation. (See Eggert, J., and Luft, assignors.)

Air Device Corporation. (See Sites, Robert L., assignor.)

Air Reduction Company. (See Smith, Donald L., assignor.)

Akers and Harpham Company, The. (See Harpham, Fred M., assignor.)

Albrecht, Eduard. (See Zerweck, W., and Albrecht.)

Alexanderson, Ernst F. W., Schenectady, N. Y., and J. H. Hammond, Jr., Gloucester, Mass., assignors to General Electric Company. Airplane landing field using directional radio beams. 2,077,196; Apr. 13.

Alibert, Jean M., Lyon, France, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining an artificial thread of a fluffy character. 2,077,087; Apr. 13.

Allen, Scott E., Glen Ridge, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Fire extinguishing apparatus. 2,076,692; Apr. 13.

Allover Manufacturing Co. (See Boerger, Julius W., assignor.)

Alspaugh, James S., Columbus, Ohio. Power transmitting mechanism. 2,076,974; Apr. 13.

Altgelt, Rudolph J., and W. D. Dewend, South Bend, Ind., assignors to Oliver Farm Equipment Company. Disk harrow bearing. 2,076,693; Apr. 13.

Aluminum Company of America. (See Kempf, L. W., and Dean, assignors.)

American Concrete and Steel Pipe Company. (See Whiting, William A., assignor.)

American Cystoscope Makers, Inc. (See Peck, Myrle R., assignor.)

American Enka Corporation. (See Thurmond, Gilbert I., assignor.)

American Enka Corporation. (See van der Waals, Hendrik G., assignor.)

American Fork & Hoe Company, The. (See Cowdery, Warren K., assignor.)

American Insulated Wire Corp. (See Pombo, James, assignor.)

American-La France-Foamite Corporation. (See Smith, Carlisle F., assignor.)

American Merrillel Corporation. (See Hoeflich, Victor T., assignor.)

American Optical Company. (See Tillyer, Edgar D., assignor.)

American Rolling Mill Company, The. (See Salender, Lambert A., assignor.)

American Telephone and Telegraph Company. (See Harlow, L. M., and Mapes, assignors.)

American Telephone and Telegraph Company. (See Kuhn, George W., assignor.)

Anaconda Wire & Cable Company. (See Eagleson, Jacob, assignor.)

Anaconda Wire & Cable Company. (See Kennedy, Joseph A., assignor.)

Anaconda Wire & Cable Company. (See Rogge, Carl A., assignor.)

Anderson, Alexander, Fullerton, Calif. Instrument for surveying bore holes. 2,076,610; Apr. 13.

Anderson, Bert J., Hammond, Ind. Velocipede frame. 2,077,197; Apr. 13.

Anderson, Carl E., East Orange, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Hair curler. 2,077,198; Apr. 13.

Anderson Company, The. (See Smulski, Theodore J., assignor.)

Anderson, Gustaf W. (See Howard, S. R., and Anderson.)

Anderson, Reinhold J., Red Oak, Iowa. Display rack. 2,076,522; Apr. 13.

Anderson, Warren C., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Making nut buttons. 2,077,352; Apr. 13.

Anderson, William C., San Francisco, assignor of one-half to W. H. Brooks, Fairfax, Calif. Apparatus for mixing materials. 2,077,088; Apr. 13.

Andres, Harry E., et al., executors. (See Harpham, Fred M.)

Andrews, Harold K., Stratford, Conn., assignor to Samson-United Corporation, Rochester, N. Y. Electric switch. 2,077,089; Apr. 13.

Ansel, Harry R., Columbus, Ohio. Securing means for corrugated sheets. 2,077,162; Apr. 13.

Apgar, W. Clayton, et al. (See Moss, L. E., and Titus, assignors.)

Ardco Manufacturing Company. (See Stern, Charles, assignor.)

Arden, Elizabeth, Sales Corporation. (See Lewis, Florence N., assignor.)

Armour and Company. (See Ralston, A. W., and Christensen, assignors.)

Armstrong Cork Company. (See Pennell, P. H., and Draper, assignors.)

Arnold, Carl, Nuremberg, Germany. Toy vehicle with spark producing device. 2,076,760; Apr. 13.

Arnold, Gerald D., Wauwatosa, Wis. Dehydrating apparatus. 2,076,873; Apr. 13.

Arrow-Hart & Hegeman Electric Company, The. (See Guett, Monroe, assignor.)

Arteraft Slik Hosiery Mills, Inc. (See Young, David H., assignor.)

Asmussen, Heinrich, Berlin-Steglitz, Germany, assignor to General Electric Company. Electric lamp. 2,077,199; Apr. 13.

Associated Electric Laboratories, Inc. (See Kessler, Frank, assignor.)

Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)

Associated Electric Laboratories, Inc. (See Robinson, Harold C., assignor.)

Associated Electric Laboratories, Inc. (See Sigo, Arthur T., assignor.)

Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Freezing tray. 2,077,200; Apr. 13.

Atkinson, Ralph L., Dorchester, assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass. Finishing buttons and the like. 2,077,302; Apr. 13.

Atlas Supply Company. (See Heyer, Benjamin F. W., assignor.)

Atti, Raphael, Union City, and D. J. Hayes, Newark, N. J., assignors, by mesne assignments, to said D. J. Hayes. Automobile testing mechanism. 2,076,759; Apr. 13.

Aurynger, John J., Takoma Park, Md. Electrical condenser. 2,076,874; Apr. 13.

Bach, Anton M., Palo Alto, Calif. Centripetal dissolver. 2,076,975; Apr. 13.

Bacon, Raymond F., Bronxville, N. Y., and W. Judson, Newgulf, Tex. Recovery of sulphur. 2,077,028; Apr. 13.

Badin, Raoul E. (See Jacquet, G. G., and Badin.)

Baer, Carl J., Jefferson Barracks, Mo. Floating unit and fleet. 2,076,535; Apr. 13.

Bahr, Gustave F., Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Telltale signal. 2,077,303; Apr. 13.

Bailey, Edwin M., et al. (See Chandler, Daniel L., assignor.)

Bailey, William T., New York, N. Y. Control box. 2,077,163; Apr. 13.

Balbach, Gustav C. (See McLellan, H. N., and Balbach.)

Ballack, Charles A., Walla Walla, and W. C. Steele, Seattle, Wash. Harveser-thresher. 2,076,523; Apr. 13.

Balmford, Alfred B., et al. (See Burn, Walter S., assignor.)

Banta, Arthur P. (See Pomeroy, Richard, assignor.)

Barbee, Robert W., Memphis, Tenn. Barrel hoop. 2,077,347; Apr. 13.

Barber-Colman Company. (See Edgar, John, assignor.)

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Web perfecting rotary press. 2,076,932; Apr. 13.

Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Web perfecting rotary press. 2,076,933; Apr. 13.

Bardsley, Willard W., Providence, assignor to Wardwell Braiding Machine Company, Central Falls, R. I. Braiding machine. 2,077,201; Apr. 13.

Barker, Charles T. (See Rhodes, E. O., Volkmann, and Barker.)

Barker, Ernest L., Houston, Tex. Packer and setting tool. 2,076,761; Apr. 13.

Barmer Maschinenfabrik Aktiengesellschaft. (See Bochmann, Otto, assignor.)

Barnebl, August J., Chicago, assignor to Swenson Evaporator Company, Harvey, Ill. Rotary filter. 2,076,611; Apr. 13.

Barrett Company, The. (See Harvey, E. W., and Jones, assignors.)

Barrie, William E., East Corinth, Vt. Milking pad. 2,077,202; Apr. 13.

Bartels, Hans, and H. Friedrich, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic gain control circuit. 2,077,139; Apr. 13.

Bartha, Alfred, Budapest, Hungary. Machine for joining skins. 2,077,304; Apr. 13.

Baschant, Karl, Berlin-Charlottenburg, assignor to "Mineralochemie" A. G. für metallurgische und chemische Produkte, Vienna, Austria. Gas exhaustion from locomotives and other furnaces. 2,077,029; Apr. 13.

Bassett, Gerald L. (See Steinberger, A. J., Bassett, and Bienenstein.)

Batchell, George W., Toledo, Ohio. Multiplate transparency. 2,077,305; Apr. 13.

Bateman, Thomas A., Los Angeles, Calif. Valveless rotary pump. 2,076,536; Apr. 13.

Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel attaching and flap laying machine. 2,076,537; Apr. 13.

Beall, Charles R., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Detachable terminal plate for electrical apparatus. 2,076,612; Apr. 13.

Beauchamp, Joseph R. (See Spencer, M., and Beauchamp.)

Becher, Theodor, Wiesbaden, assignor to Maschinenfabrik Augsburg-Nurnberg, A. G., Nuremberg, Germany. Dam. 2,077,203; Apr. 13.

Bechmann, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Piezoelectric oscillating crystal. 2,077,204; Apr. 13.

Becker, Stewart, Schenectady, N. Y., assignor to General Electric Company. Radio receiver. 2,077,205; Apr. 13.

Beckwith Manufacturing Company. (See Lovell, Stanley P., assignor.)

Beckwith Manufacturing Company. (See Miller, H. S., and MacIver, assignors.)

Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Alternating current motor system. 2,077,206; Apr. 13.

Behr-Manning Corporation. (See Schacht, Elmer C., assignor.)

Behrens, Ervin F. (See Cox, Alonzo C., assignor.)

Behrens, Fred B., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of motor fuel. 2,076,524; Apr. 13.

Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hearn, Richard B., assignor.)

Bell Telephone Laboratories, Incorporated. (See McNally, James O., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ronci, Victor L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wente, Edware C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wilson, Henry D., Jr., assignor.)

Bendix Aviation Corporation. (See Nowosielski, Edward B., assignor.)

Bendix, Vincent, South Bend, Ind. Brake. 2,076,538; Apr. 13.

Bennett, Harold F. (See Draeger, R. H., and Bennett.)

Bertschi, Jacob, assignor to Utah Radio Products Company, Chicago, Ill. Electrical connecter. 2,076,694; Apr. 13.

Beth, Hugo W. H., assignor to Norton Company, Worcester, Mass. Abrasive wheel and mounting. 2,076,806; Apr. 13.

Bienenstein, Andreas. (See Steinberger, A. J. Bassett, and Bienenstein.)

Bigelow-Sanford Carpet Co. (See Knowland, Richard G., assignor.)

Birch-Field, Charles A., Larchmont, assignor, by mesne assignments, to M. S. Reisman, New York, N. Y. Television apparatus. 2,077,030; Apr. 13.

Birch-Field, Charles A., Larchmont, assignor, by mesne assignments, to M. S. Reisman, New York, N. Y. Television apparatus. 2,077,031; Apr. 13.

Bird, John L. (See Moseley, F. L., and Bird.)

Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Fuse. 2,077,207; Apr. 13.

Birr, Rudolph G., Lombard, and A. C. Grunwald, River Forest, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah. Towel dispensing apparatus. 2,077,032; Apr. 13.

Bitting Incorporated. (See Keller, Harry H., assignor.)

Black, John C., Beverly Hills, Calif., assignor to Gasoline Products Company, Incorporated, Newark, N. J. Producing an improved motor fuel and solvent oil. 2,076,695; Apr. 13.

Bleecker, Warren F., Boulder, Colo., assignor to Zero Hour Torpedo Company, Casper, Wyo. Bomb. 2,076,613; Apr. 13.

Bleendes, Isidor S., Brooklyn, N. Y. Knitted fabric. 2,077,033; Apr. 13.

Bloomer Bros. Company. (See Holmes, Raynor M., assignor.)

Bochmann, Otto, Remscheid-Lennep, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Wuppertal-Oberbarmen, Germany. Spool holder for double twist twisting spindles. 2,076,762; Apr. 13.

Boerger, Julius W., assignor to Allover Manufacturing Co., Racine, Wis. Hair clipper. 2,077,034; Apr. 13.

Bonny, Theodore, Chambesy-Geneva, Switzerland. Folding cot for children. 2,077,090; Apr. 13.

Borglin, Joseph N., Wilmington, and E. Ott, Elsmere, assignors to Hercules Powder Company, Wilmington, Del. Sulphur-containing terpenes and producing. 2,076,875; Apr. 13.

Bosch, Robert, Aktiengesellschaft. (See Holm, Ludwig, assignor.)

Boughton, Roger C., San Gabriel, Calif. Pipe joint and sealing the same. 2,076,876; Apr. 13.

Bouma, Wikke, assignor to J. Van Nuland, Los Angeles, Calif. Umbrella. 2,076,525; Apr. 13.

Bowers, Thomas A., assignor to Flexion, Inc., Boston, Mass. Piston ring material. 2,076,539; Apr. 13.

Bowers, Thomas A., assignor to Flexion, Inc., Boston, Mass. Continuous rotary forging die. 2,076,541; Apr. 13.

Bowers, Thomas A., assignor to Flexion, Inc., Boston, Mass. Piston ring. 2,076,542; Apr. 13.

Bowers, Thomas A., assignor to Flexion, Inc., Boston, Mass. Making piston rings. 2,076,543; Apr. 13.

Bowers, Thomas A., assignor to Flexion, Inc., Boston, Mass. Piston ring. 2,076,544; Apr. 13.

Bowman, Hyman D., Pittsburgh, Pa. Flatiron. 2,076,614; Apr. 13.

Brady, James A., Ramsey, N. J. Container. 2,077,208; Apr. 13.

Brander, Bertil J., Stockholm, Sweden. Electric relay. 2,077,091; Apr. 13.

Brandes, Rudolf, Chemnitz, Germany. Preliminary maturing of alkali-cellulose. 2,077,164; Apr. 13.

Brantingson, Sigurd, Palisades Park, N. J., assignor to Francis Keil & Son, Inc. Door lock construction. 2,077,140; Apr. 13.

Braun, Sylvan, assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Food handling apparatus. 2,077,306; Apr. 13.

Brauner, Pincus, Haverhill, Mass. Shoe press. 2,076,696; Apr. 13.

Brauner, Pincus, Haverhill, Mass. Machine for cementing soles to shoes. 2,076,697; Apr. 13.

Bredeson, Albert O., assignor to Super Radiator Corp., Minneapolis, Minn. Pipe coupling. 2,077,035; Apr. 13.

Broder, Simon, Washington, D. C. Ophthalmic lens. 2,077,092; Apr. 13.

Brooks, William H. (See Anderson, William C., assignor.)

Brooks, Winfred M., West Orange, N. J. Sealing means. 2,077,209; Apr. 13.

Brostrom, Charles G., South Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lip turning machine. 2,076,698; Apr. 13.

Brown, Charles L., Jr., Old Greenwich, Conn., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,076,699; Apr. 13.

Brown Company. (See Richter, George A., assignor.)

Brown Company. (See Schur, Milton O., assignor.)

Brown, Elmer H., Trenton, N. J. Surgical packing. 2,076,526; Apr. 13.

Brown, James F. (See Hartman, H. W., and Brown.)

Brown, Robert S., New Britain, and E. P. Smith, Harwinton, assignors, by mesne assignments, to The New Britain Machine Company, New Britain, Conn. Chucking machine. 2,077,093; Apr. 13.

Brown, Sanford P., Beaumont, Tex. Building construction. 2,076,877; Apr. 13.

Brown, William S., assignor to Leggett and Platt Spring Bed and Manufacturing Company, Carthage, Mo. Spring structure. 2,077,036; Apr. 13.

Bruggeman, Jean, Alost, Belgium, assignor, by mesne assignments, to Skenandoa Rayon Corporation, Utica, N. Y. Method and apparatus for spinning rayon. 2,077,141; Apr. 13.

Bruijnes, Johannes. (See Uyterhoeven, W., van Dam, Verburg, and Bruijnes.)

Brunst, William M., Columbus, Ohio, assignor to General Door Company, Reno, Nev. Door. 2,076,878; Apr. 13.

Brushe, Robert C., West Allis, assignor to Pressed Steel Tank Company, Milwaukee, Wis. Nonrefillable barrel. 2,077,210; Apr. 13.

Bryant, Blanche B., administratrix. (See Bryant, William L.)

Bryant Chucking Grinder Company. (See Bryant, William L., assignor.)

Bryant, William L., deceased, by B. B. Bryant, administratrix, assignor to Bryant Chucking Grinder Company, Springfield, Vt. Grinding machine. 2,076,808; Apr. 13.

Bryce, James W., Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,076,700; Apr. 13.

Buck, Fred, Wilmette, Ill. Crucifix. 2,076,701; Apr. 13.

Buckley, John P., Washington, D. C. Diagnostic apparatus. 2,077,211; Apr. 13.

Buehner, William F. A., Miami, Fla. Automobile license plate holder. 2,077,142; Apr. 13.

Bullock, Albert, El Monte, Calif. Well pumping device. 2,076,615; Apr. 13.

Bumpas, Orville C., and W. J. Mills, Braden, Tenn. Terrace outlet. 2,077,307; Apr. 13.

Bumpas, Orville C., and W. J. Mills, Braden, Tenn. Terrace outlet. 2,077,308; Apr. 13.

Bunker Fuel Company. (See Carroll, Edward R.)

Burckhalter, Robert N., assignor to Michiana Products Corporation, Michigan City, Ind. Oil filter. 2,076,934; Apr. 13.

Burckhalter, Robert N., assignor to Michiana Products Corporation, Michigan City, Ind. Oil filter. 2,076,935; Apr. 13.

Burckhalter, Robert N., assignor to Michiana Products Corporation, Michigan City, Ind. Oil filter. 2,076,936; Apr. 13.

Burgess, Charles F., Bokeelia, Fla., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Sound absorbing construction. 2,076,807; Apr. 13.

Burgess, C. F., Laboratories, Inc. (See Burgess, Charles F., assignor.)

Burn, Walter S., et al. (See Burn, Walter S., assignor.)

Burn, Walter S., Hartlepool, assignor to The National Gas and Oil Engine Company Limited, A. B. Balmford, Ashton-under-Lyne, and W. S. Burn, Hartlepool, England. Scavenge pumping means for internal combustion engines. 2,076,976; Apr. 13.

Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)

Burroughs Adding Machine Company. (See Rowland, D. P., and Dahl, assignors.)

Bush, Vannevar, Belmont, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Lubricating system for vehicle wheel bearings. 2,076,977; Apr. 13.

Butler, William H., Forest Gate, London, and D. S. Cooper, Manor Park, London, England. Detachable heel protector for shoes. 2,076,978; Apr. 13.

Byers, Phillip L., Clyde, assignor to H. S. Day, Fremont, Ohio. Seeding machine. 2,076,702; Apr. 13.

Byers, William, Kansas City, Mo. Building material and making the same. 2,077,094; Apr. 13.

C-O-Two Fire Equipment Company. (See Allen, Scott E., assignor.)

Caccia, Walter, White Plains, assignor to J. H. Unlandherm, New York, N. Y. Constructing a subway. 2,077,353; Apr. 13.

Cady, E. L., Engineering Company, The. (See Cady, Ernest L., assignor.)

Cady, Ernest L., Hartford, assignor to The E. L. Cady Engineering Company, West Hartford, Conn. Carding machine. 2,077,095; Apr. 13.

Cahl, Conrad C. (See Rowland, D. P., and Dahl.)

Caldwell, Lyle, Los Angeles, Calif. Preparing a decolorizing material. 2,076,545; Apr. 13.

Callaghan, Cornelius R. (See Flicker, J. A., and Callaghan.)

Campbell, Charles, London, England, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Record card controlled statistical machine. 2,076,703; Apr. 13.

Camps, Juan P., Barcelona, Spain. Protector mechanism for looms. 2,077,037; Apr. 13.

Candor, Robert R., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,076,809; Apr. 13.

Cannon, Kenneth B., assignor of fifty per cent to J. K. Lyon, Jr., Pasadena, Calif. Sound-reproducing means. 2,076,937; Apr. 13.

Capps, Washington T., Baltimore, Md., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Locomotive stoker. 2,076,763; Apr. 13.

Carborundum Company, The. (See Johnson, Boyd M., assignor.)

Carlson, Frederick O., assignor to Master Rule Manufacturing Company, Inc., New York, N. Y. Steel rule. 2,076,704; Apr. 13.

Carlson, Oscar F., assignor of one-half to Oscar F. Carlson Company, and one-half to E. N. McDonnell, Chicago, Ill. Control switch. 2,076,546; Apr. 13.

Carlson, Oscar F., assignor of one-half to Oscar F. Carlson Company and one-half to E. N. McDonnell, Chicago, Ill. Low water and pressure cut-off switch. 2,076,547; Apr. 13.

Carlson, Oscar F., Company, et al. (See Carlson, Oscar F., assignor.)

Carlsson, Carl E., Stockholm, Sweden. Belt fastener for round belts. 2,077,309; Apr. 13.

Carpenter, John B., Jr., West Roxbury, and E. P. Stevenson, Newton, assignors to A. D. Little, Incorporated, Cambridge, Mass. Manufacture of chromates. 2,077,096; Apr. 13.

Carrier Corporation. (See Carrier, Willis H., assignor.)

Carrier, Willis H., Elizabeth, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Sealing and thrust balancing device. 2,077,038; Apr. 13.

Carroll, Edward R., Brooklyn, assignor of one-third to the firm of Townsend & Decker, New York, N. Y., and one-third to B. J. Curtis, and P. J. Quinn, trading as Bunker Fuel Company. Stabilizing ships with fuel oil. 2,077,143; Apr. 13.

Carroll, Fred M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Assorting machine. 2,076,705; Apr. 13.

Carton, Jean, Monts, France. Radial field relay. 2,076,879; Apr. 13.

Cartzdafner, Roy E., deceased, Passaic National Bank and Trust Company, executor, Passaic, N. J., assignor to Magor Car Corporation, New York, N. Y. Dump car. 2,077,354; Apr. 13.

Carver Cotton Gin Company. (See McLean, Robert W., assignor.)

Casco Products Corporation. (See Bahr, Gustave F., assignor.)

Castonguay, Leger S., Cuyahoga Falls, assignor to The Patrol Valve Company, Cleveland, Ohio. Pilot controlled cut-off valve. 2,076,548; Apr. 13.

Caterpillar Tractor Co. (See Lewis, George W., assignor.)

Catland, Alfred C. (See Howard, J. H., and Catland.)

Cayo, Julius N. (See Thomas, Frank W., assignor.)

Celanese Corporation of America. (See Hale, F. C., and Howarth, assignors.)

Celanese Corporation of America. (See Jacobsen, Henry, assignor.)

Celanese Corporation of America. (See Pool, William, assignor.)

Celanese Corporation of America. (See Seymour, George W., assignor.)

Celanese Corporation of America. (See Taylor, W. I., and Gibbins, assignors.)

Celanese Corporation of America. (See Taylor, W. I., Hale, and Woodruff, assignors.)

Celluloid Corporation. (See Piperoux, Rene P., assignor.)

Celluloid Corporation, et al. (See Steinberger, A. J., Bassett, and Bienenstein, assignors.)

Cellulose Research, Inc. (See Hoche, Adam, assignor.)

Chaffee, Raymond O., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Plug button. 2,077,355; Apr. 13.

Champlin, Franklin J., Dalton, Mass., assignor to General Electric Company. Contact making voltmeter. 2,077,212; Apr. 13.

Chandler, Daniel L., Somerville, assignor of ten per cent to E. M. Bailey, Swampscott, five per cent to T. H. Richardson, Brookline, seventy-eight per cent to F. H. Rowe, Gloucester, and seven per cent to H. E. Thurston, Lynn, Mass. Automatic automobile window elevating mechanism and lock. 2,076,938; Apr. 13.

Chandler, David G. (See Svendsen, Robert T., assignor.)

Chase Companies, The. (See Reichenbach, Howard F., assignor.)

Cheney, Charles W., Birmingham, England. Method of framing handbags. 2,077,165; Apr. 13.

Cheney Company, The. (See Harriss, Henry W., assignor.)

Chicago Pump Company. (See Durdin, Augustus C., III, assignor.)

Christensen, Carl W. (See Ralston, A. W., and Christensen.)

Christiansen, Einar, Birmingham, England. Aerating fluids. 2,076,979; Apr. 13.

Christiansen, Walter G., Glen Ridge, N. J., and S. E. Harris, Lynbrook, assignors to E. R. Squibb & Sons, New York, N. Y. Acylaminoaryl phenylcinchoninates and the preparation thereof. 2,076,706; Apr. 13.

Christiansen, Walter G., Glen Ridge, N. J., and S. E. Harris, Lynbrook, assignors to E. R. Squibb & Sons, New York, N. Y. Aryl phenylcinchoninates and the preparation thereof. 2,076,707; Apr. 13.

Cincinnati Milling Machine Co., The. (See Howe, Wilfred H., assignor.)

Cincinnati Milling Machine Co., The. (See Nenninger, Lester F., assignor.)

Cincinnati Milling Machine Co., The. (See Romaine, Millard, assignor.)

Cisneros, Jesús. (See Rader, W. P., and Cisneros.)

Clark, Charles W. (See Martin, O. C., and Clark.)

Clark Controller Company, The. (See Hart, Earl R., assignor.)

Clarridge, Ralph E., assignor to Taylor Instrument Companies, Rochester, N. Y. Regulator. 2,076,616; Apr. 13.

Cleaves, William S., Wollaston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Weighing machine. 2,076,617; Apr. 13.

Clement, James E., New Baltimore, assignor of one-half to R. H. Ross, Detroit, Mich. Anchor. 2,077,166; Apr. 13.

Clipshave, Inc. (See Hanley, John A., assignor.)

Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)

Cohen, Irving. (See Steinberg, Maurice B., assignor.)

Collens, William S., Brooklyn, assignor to U. M. A. Inc., New York, N. Y. Thermometer. 2,077,039; Apr. 13.

Collins & Aikman Corporation. (See Conley, Charles L., assignor.)

Colt's Patent Fire Arms Manufacturing Co. (See Conner, Benjamin F., assignor.)

Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann. (See Hatt, Daniel, assignor.)

Comstock, Clark S., Great Barrington, Mass. Antislippage attachment. 2,076,708; Apr. 13.

Conery, William J., and A. Nelson, San Jose, Calif. Pump. 2,077,213; Apr. 13.

Conklin Pen Company, The, et al. (See Steinberger, A. J., Bassett, and Bienenstein, assignors.)

Conley, Charles L., Cohocton, N. Y., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Econometer display board for demonstrating certain economic facts. 2,077,214; Apr. 13.

Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Jar. 2,076,549; Apr. 13.

Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Jar. 2,076,550; Apr. 13.

Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Jar. 2,076,551; Apr. 13.

Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Jar. 2,077,215; Apr. 13.

Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Jar. 2,077,216; Apr. 13.

Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Jar. 2,077,217; Apr. 13.

Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Jar. 2,077,218; Apr. 13.

Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Cosmetic container. 2,077,219; Apr. 13.

Consolidated Packaging Machinery Corporation. (See Gantzer, Howard E., assignor.)

Consolidated Safety Pin Company. (See Hagel, Albert, assignor.)

Container Corporation of America. (See Holy, Mitchel E., assignor.)

Conway, Frank, Schenectady, N. Y., assignor to General Electric Company. Freezing tray and making the same. 2,077,220; Apr. 13.

Cooper, Ansel A., Philadelphia, Pa. Coil tester. 2,076,618; Apr. 13.

Cooper, Charles, assignor to Pepperell Manufacturing Company, Boston, Mass. Filtering method. 2,076,980; Apr. 13.

Cooper, David S. (See Butler, W. H., and Cooper.)

Cooper, Joseph, New York, N. Y. Extension leaf table. 2,077,221; Apr. 13.

Corduan, Gustav F., assignor to Corduan Manufacturing Company, Chicago, Ill. Chair cushion. 2,076,619; Apr. 13.

Corduan, Gustav E. and W. E., assignors to Corduan Manufacturing Company, Chicago, Ill. Table leg lock. 2,076,620; Apr. 13.

Corduan Manufacturing Company. (See Corduan, Gustav F., assignor.)

Corduan Manufacturing Company. (See Corduan, Gustav E. and W. E., assignors.)

Corduan, Walter E. (See Corduan, Gustav E. and W. E.)

Corvington, Oscar H., and M. A. Napier, Akron, Ohio. Multiple filament lamp. 2,076,527; Apr. 13.

Cosgray, Mark C. (See Spires, K. E., and Cosgray.)

Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)

Cowan, W. S. (See Hallwood, Nathan A., assignor.)

Cowdery, Warren K., Ashtabula, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Making handles. 2,076,764; Apr. 13.

Cox, Alonzo C., Cantril, assignor to E. F. Behrens, Decorah, Iowa. Earth moving machine. 2,076,939; Apr. 13.

Craddock, John E., Brooklyn, N. Y. Target and register device. 2,076,880; Apr. 13.

Creager, Henry, assignor to Overhead Door Corporation, Hartford City, Ind. Cable clamp. 2,077,222; Apr. 13.

Creveling, John L., Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubrication device. 2,077,040; Apr. 13.

Crook, Robert A., Killara, near Sydney, Australia. Circuit breaker. 2,076,981; Apr. 13.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Modulation system. 2,077,223; Apr. 13.

Crouet, Jean, Saint Just-en-Chaussee, France, assignor to Weeks & Co. (London) Limited, Middlesex, England. Making pigmented protective coatings. 2,077,167; Apr. 13.

Cunningham, James W., Haddon Heights, N. J., assignor to Horn and Hardart Baking Co., Philadelphia, Pa. Coffee urn. 2,076,881; Apr. 13.

Curtis, B. J., et al. (See Carroll, Edward R., assignor.)

Curtiss, Gordon W., Atlanta, Ga. Typographic casting mechanism. 2,076,882; Apr. 13.

Cushing, Russell E., Wyandotte, Mich., assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Purifying chlorine. 2,077,310; Apr. 13.

Cyclone Fence Company. (See Harter, Noah S., assignor.)

Dahl, Conrad C. (See Rowland, D. P., and Dahl.)

Daiber, Ernst, Berlin-Lichterfelde-West, Germany, assignor to General Electric Company. Combustion engine. 2,077,224; Apr. 13.

Daiber, Ernst, Berlin-Lichterfelde-West, Germany, assignor to General Electric Company. Combustion engine. 2,077,225; Apr. 13.

Darby, Michael L. (See Darby, Tony, assignor.)

Darby, Tony, Michigan City, assignor of one-half to M. L. Darby, Whiting, Ind. Bait. 2,077,311; Apr. 13.

Darco Corporation. (See Ingols, H. A., and Pie, assignors.)

Davidson, Amanda M., trustee. (See Johannes, Ernst H., assignor.)

Davies, James A., Media, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reversing turbine. 2,076,621; Apr. 13.

Davies, Wayne, Evanston, Ill. Forming packing rings. 2,076,528; Apr. 13.

Davis, Benjamin F. (See Abrams, A., Wagner, and Davis.)

Davis, Harold S., and A. W. Francis, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Recovery of olefines from gaseous or liquid mixtures. 2,077,041; Apr. 13.

Day, Harry S. (See Byers, Phillip L., assignor.)

Day, William P., assignor to International Vibration Company, Cleveland, Ohio. Method of and apparatus for laying reenforced concrete. 2,077,356; Apr. 13.

Dean, Walter A. (See Kempf, L. W., and Dean.)

De Bethune, Gaston S. P., New York, N. Y. Mixer. 2,077,226; Apr. 13.

De Bethune, Gaston S. P., New York, N. Y. Continuous heat exchange between a condensing vapor and a liquid. 2,077,227; Apr. 13.

De Bethune, Gaston S. P., New York, N. Y. Continuous thermodisintegrator. 2,077,228; Apr. 13.

De Boer, Jan H., and W. C. van Geel, Eindhoven, Netherlands, assignors to Radio Corporation of America. Photoelectric device. 2,076,622; Apr. 13.

Deckard, Charles L., Tulsa, Okla. Safety cage for workmen. 2,076,810; Apr. 13.

Deere & Company. (See Ohlendorf, Emil F., assignor.)

De Groote, Melvin, St. Louis, assignor to The Tret-O-Lite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,076,624; Apr. 13.

De Groote, Melvin, University City, B. Keiser, Webster Groves, L. L. Faure, Kirkwood, and A. F. Wirtel, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,076,623; Apr. 13.

De Groote, Melvin, St. Louis, and B. Keiser, assignors to The Tret-O-Lite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,077,230; Apr. 13.

De Groote, Melvin, St. Louis, and A. F. Wirtel, Kirkwood, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,077,229; Apr. 13.

De Jong, Frans H. (See Klinkhamer, H. A. W., Lamberts, Voorhoeve, and de Jong.)

Delamere Company. (See Huppert, William, assignor.)

De Long, Nelson. (See Redfield, C. L., and De Long.)

Denault, Clinton L. (See Strom, A. P. Denault, and McCulloch.)

Denison, Frederick S., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Modulating oil burner system with intermittent ignition. 2,076,768; Apr. 13.

Dentler, Arnold E., Hinsdale, assignor to W. H. Miner, Inc., Chicago, Ill. Buffing mechanism. 2,076,769; Apr. 13.

Deodor-X Company of Canada Limited. (See White, Alexander R., assignor.)

De Tar, Donald R., Audubon, N. J., assignor to Radio Corporation of America. Reduction gear device. 2,076,625; Apr. 13.

Deutsch, Simon, South Bend, Ind. Spraying device. 2,076,709; Apr. 13.

Devoe & Raynolds Co. (See Rheineck, A. E., Rabin, and Long, assignors.)

Dewend, William D. (See Altgelt, R. J., and Dewend.)

Dickey, John A., Stayner, Ontario, Canada. Road grader. 2,076,626; Apr. 13.

Dickinson, William A., Burlington, Colo. Oil burner. 2,076,982; Apr. 13.

Diehl, Herman H., Huntington, W. Va., assignor to The West Virginia Rail Company. Riveting machine. 2,077,097; Apr. 13.

Dolan, James M., Elizabethtown, N. C. Pile driving cap. 2,076,983; Apr. 13.

Donald, Howard F., Franklin, Mass. Tension roll. 2,077,312; Apr. 13.

Doolittle, Fred B., Glendale, Calif. Insulation testing apparatus. 2,077,357; Apr. 13.
Dormitzer, Henry C. (See Robinson, A. A., and Dormitzer.)
Dort, Russell L., Davenport, Iowa. Washing machine. 2,077,098; Apr. 13.
Dow, Eta F. (See Staley, Frank L., assignor.)
Dowell, Alvis Y., Hastings on Hudson, assignor to Servel, Inc., New York, N. Y. Evaporator. 2,076,770; Apr. 13.
Dowsett, Harry M., Winchmore Hill, London, and R. J. Kemp, Chelmsford, England, assignors to Radio Corporation of America. Radio direction finding system. 2,076,710; Apr. 13.
Draeger, Rupert H., United States Navy, and H. F. Bennett, Washington, D. C. Automatic focusing device for copying cameras, projectors, and the like. 2,076,552; Apr. 13.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Furnace. 2,077,168; Apr. 13.
Draper, Charles H. (See Pennell, P. H., and Draper.)
Draper Corporation. (See Snow, Isaac, assignor.)
Drinker, Philip, Brookline, and W. G. Hazard, Jamaica Plain, Mass. Apparatus for measuring, recording, and controlling dilute dust concentrations. 2,076,553; Apr. 13.
Drinker, Philip, Brookline, and W. G. Hazard, Jamaica Plain, Mass. Apparatus for measuring, recording, and controlling dilute dust concentrations. 2,076,554; Apr. 13.
Duley, Crice L., assignor of one-third to W. Duley, Mounds, Ill. Toy. 2,076,627; Apr. 13.
Duley, William. (See Duley, Crice L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Allbert, Jean M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Fothergill, Robert E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Greenewalt, Crawford H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Henke, C. O., and Prahl, assignors.)
Du Pont, E. I., de Nemours & Company. (See Kharasch, Morris S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kirby, James E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lacy, Burritt S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Ross, Manley L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
Dura Company. (See Floraday, Burton S., assignor.)
Durand & Huguenin A.-G. (Se Haller, J., and Rösch, assignors.)
Durdin, Augustus C., III, Niles Center, assignor to Chicago Pump Company, Chicago, Ill. Sewage treatment apparatus. 2,076,529; Apr. 13.
Dym, Joseph B., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Breathing apparatus. 2,077,313; Apr. 13.
Dyresen, Didrick, Billerica, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Making fastener sliders. 2,077,358; Apr. 13.
Dziedzic, Nicholas J. (See McKee, H. H., and Dziedzic.)
Eagleson, Jacob, Riverside, R. I., assignor to Anaconda Wire & Cable Company, New York, N. Y. Cord construction. 2,076,711; Apr. 13.
Eastern Tool & Mfg. Co. (See Anderson, Carl E., assignor.)
Eastman, Floyd D., Rockford, Ill. Hood sign for motor vehicles. 2,076,530; Apr. 13.
Eastman Kodak Company. (See Zelger, George E., assignor.)
Eastman, Leonard E., and C. B. Knudson, assignors to United American Bosch Corporation, Springfield, Mass. Radio receiver construction. 2,076,771; Apr. 13.
Ebel, Friedrich, Mannheim, and C. Steigerwald, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, New York, N. Y. Condensation products of the acridine series. 2,077,064; Apr. 13.
Eberhard, Heinrich, and W. Gutzke, Berlin, Germany. Device for distant control. 2,077,314; Apr. 13.
Ebert, Joseph F., Hollis, N. Y., and T. A. Terjesen, Hoboken, N. J., assignors to Signal Engineering & Manufacturing Company, New York, N. Y. Fire alarm dispatching mechanism. 2,077,099; Apr. 13.
Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)
Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Eclipse Aviation Corporation. (See Raabe, Arthur E., assignor.)
Eclipse Aviation Corporation. (See Waselge, Charles R., assignor.)
Eclipse Machine Company. (See Whitney, Maurice P., assignor.)
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Grinding element for and making spline couplings. 2,077,100; Apr. 13.
Edwards, William C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Signal system. 2,076,987; Apr. 13.
Edwards, William E., Mount Carmel, Conn., assignor to The Horton Manufacturing Company. Reel seat for fishing rods. 2,076,628; Apr. 13.
Edwards, William E., Mount Carmel, Conn., assignor to The Horton Manufacturing Company. Reel seat assembly. 2,076,629; Apr. 13.
Egan, Arthur L. (See Ewing, S. E. T., and Egan.)
Eggert, John, Leipzig-Gohlis, and F. Luft, Leipzig, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Intensifying and fluorescent screen. 2,076,984; Apr. 13.
Ehlers, Edward, Montclair, N. J. Structural joint for angle bars. 2,076,811; Apr. 13.
Eldred, Glen R., Cleveland, Ohio. Protective device. 2,076,765; Apr. 13.
Electrolux Corporation. (See Brown, Charles L, Jr., assignor.)
Elliott, Fred, Big Rapids, Mich. Tire casing plug. 2,076,985; Apr. 13.
Embury, Frederick B., assignor to Embury Manufacturing Co., Warsaw, N. Y. Lantern support. 2,077,101; Apr. 13.
Embury Manufacturing Co. (See Embury, Frederick B., assignor.)
Embury Manufacturing Co. (See Perkins, Alfred J., assignor.)
Enterprise Manufacturing Company of Pennsylvania, The. (See Braun, Sylvan, assignor.)
Ernould, Jules, Longwy, France, assignor to Societe des Hauts Fourneaux de la Chiers. Producing a lime brick. 2,076,883; Apr. 13.
Ernould, Jules, Longwy, France, assignor to Societe des Hauts Fourneaux de la Chiers. Producing a dolomite brick. 2,076,884; Apr. 13.
Ewing, Sydney E. T., and A. L. Egan, Johannesburg, Union of South Africa. De-vaporizing compressed air. 2,077,315; Apr. 13.
Excel Curtain Company. (See Holt, T. W., and Levan, assignors.)
Fageol, Robley D. (See Leibing, W. E., and Fageol.)
Fair, James F., assignor to J. G. Fair, New Kensington, Pa. Automatic self locking clothesline fastener. 2,076,940; Apr. 13.
Fair, Jessie G. (See Fair, James F., assignor.)
Fairbanks, E. and T., and Company. (See Guldbrandsen, Guldbrand, assignor.)
Fardon, John C., Cincinnati, Ohio. Recording device for sound on films. 2,077,102; Apr. 13.
Farnham, Paul O., Boonton, N. J., assignor to Radio Corporation of America. Tuning selectivity control circuit. 2,076,812; Apr. 13.
Farr, Fred D., Mamaroneck, assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Book end and like supports. 2,076,941; Apr. 13.
Faure, Leonard L. (See De Groote, M., Keiser, Faure, and Wirtel.)
Feild, Alexander L., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md. Production of rustless iron. 2,076,885; Apr. 13.
Ferris, William D., assignor to Hustler Corporation, Sterling, Ill. Skate roller. 2,076,531; Apr. 13.
Ferro Machine & Foundry Company, The. (See Myers, Henry B., assignor.)
Fiedler, Louis, Detroit, Mich. Jar holder. 2,076,813; Apr. 13.
Fink, Colin G. (See Miller, B., and Fink.)
Fink, Colin G., New York, N. Y., F. J. Kenny, Tenafly, and J. D. Hord, assignors, by mesne assignments, to Spowers Research Laboratories, Inc., Jersey City, N. J. Cover for metal baths. 2,076,712; Apr. 13.
Flexion, Inc. (See Bowers, Thomas A., assignor.)
Flicker, John A., and C. R. Callaghan, Bellevue, Ohio. Hand truck. 2,077,144; Apr. 13.
Floradny, Burton S., assignor to Dura Company, Toledo, Ohio. Regulator mechanism for windows of railway cars and the like. 2,076,986; Apr. 13.
Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,077,359; Apr. 13.
Forcey, George W. (See Abrams, A., Wagner, and Forcey.)
Ford, Eugene A., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Perforated card interpreter. 2,076,713; Apr. 13.
Formhals, Anton, assignor of forty-five one-hundreths to R. Schreiber, Gastell, Mainz, Germany. Production of artificial fibers. 2,077,373; Apr. 13.
Forseille, Lucien F. (See Martindale, E. H., and Forseille.)
Fothergill, Robert E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative and making the same. 2,076,555; Apr. 13.
Fourness, Charles A., Appleton, and J. M. Graef, Neenah, Wis., assignors, by mesne assignments, to International Cellucotton Products Company, Chicago, Ill. Machine for pointing and drying tampons. 2,077,231; Apr. 13.
Francis, Alfred W. (See Davis, H. S., and Francis.)
Francis, Alfred W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Making ethers. 2,077,042; Apr. 13.
Francoeur, Alfred J., and V. Matulewicz, Fall River, Mass. Vacuum oil brake. 2,076,532; Apr. 13.

Franklin, Philip, King's Cross, London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locomotive driver brake. 2,076,766; Apr. 13.
Franks, Christopher J., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Automatic gain control. 2,076,814; Apr. 13.
Frantz, Walter A. (See Te Pas, Edmund J., assignor.)
Franz, Ehrhart, Leipzig, Germany. Bleaching process. 2,077,103; Apr. 13.
Fraser, Frank W., Vancouver, British Columbia, Canada. Adjustable oarlock sleeve. 2,076,886; Apr. 13.
Freedman, Louis, Albany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Derivatives of 1-phenyl-2.3-dimethyl-4-amino-5-pyrazolone. 2,076,714; Apr. 13.
French, John W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Boring apparatus. 2,076,767; Apr. 13.
Fretter, Nathan F., Cleveland Heights, Ohio. Sealing means. 2,076,715; Apr. 13.
Fretter, Nathan F., Cleveland Heights, Ohio. Sealing means. 2,076,716; Apr. 13.
Friedrich, Hans. (See Bartels, H., and Friedrich.)
Fuller, Frederick L., West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,076,717; Apr. 13.
Fuller, Stuart L., Detroit, Mich. Garment hanger. 2,076,533; Apr. 13.
Fulweiler, John E., New York, N. Y. Separating system and method. 2,076,815; Apr. 13.
Gaertner, Moritz, New York, N. Y. Registering device for gasoline tanks. 2,076,630; Apr. 13.
Gage, Fred W. (See Tondreau, A. W., and Gage.)
Galbraith, Robert, Springfield, Mass. Bricklayer's apparatus. 2,076,534; Apr. 13.
Gambrell, Ernest C., Wichita Falls, assignor of one-fourth to L. L. Gambrell, Mineral Wells, Tex., independent executrix of the estate of W. E. Gambrell, deceased. Fluid clutch. 2,076,887; Apr. 13.
Gambrell, Lutie L., executrix. (See Gambrell, Ernest C., assignor.)
Gambrell, W. E. (See Gambrell, Ernest C.)
Gantzer, Howard E., Kenmore, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Capping machinery. 2,076,631; Apr. 13.
Gardner, George D., San Jose, Calif. Cherry cutting apparatus. 2,076,942; Apr. 13.
Garlock Packing Company, The. (See Salisbury, Maxwell E., assignor.)
Garrett, Wilbur M., Anadarko, Okla. Cotton cleaner. 2,076,988; Apr. 13.
Gasoline Products Company. (See Black, John C., assignor.)
Gaston, Donald H., Fort Wayne, Ind., assignor to General Electric Company. Refrigerating machine. 2,077,348; Apr. 13.
Gebruder Brehmer. (See Kleinschmit, O., and Geissler, assignors.)
Gehnrich, Charles L., Elmhurst, N. Y. Industrial heater. 2,077,043; Apr. 13.
Geib, Lawrence A., Milwaukee, Wis. Holder for neckties or the like. 2,077,316; Apr. 13.
Geib, Robert L., Los Angeles, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Stage apparatus. 2,077,104; Apr. 13.
Geissler, Walter. (See Kleinschmit, O., and Geissler.)
General Aniline Works, Inc. (See Ebel, F., and Steigerwald, assignors.)
General Aniline Works, Inc. (See Schindhelm, H., and Schubert, assignors.)
General Aniline Works, Inc. (See Wolff, Paul, assignor.)
General Aniline Works, Inc. (See Wolff, P., and Werner, assignors.)
General Aniline Works, Inc. (See Zerweck, W., and Albrecht, assignors.)
General Door Company. (See Brunst, William M., assignor.)
General Electric Company. (See Adams, Nathan H., assignor.)
General Electric Company. (See Alexanderson, E. F. W., and Hammond, assignors.)
General Electric Company. (See Asmussen, Heinrich, assignor.)
General Electric Company. (See Atchison, Leonard W., assignor.)
General Electric Company. (See Becker, Stewart, assignor.)
General Electric Company. (See Bedford, Burnice D., assignor.)
General Electric Company. (See Champlin, Franklin J., assignor.)
General Electric Company. (See Conway, Frank, assignor.)
General Electric Company. (See Daiber, Ernst, assignor.)
General Electric Company. (See Gaston, Donald H., assignor.)
General Electric Company. (See Hinnüber, Josef, assignor.)
General Electric Company. (See Jenkins, H. G., and Ryde, assignors.)
General Electric Company. (See La Pierre, Cramer W., assignor.)
General Electric Company. (See Morse, Harold F., assignor.)
General Electric Company. (See Renner, Alfred, assignor.)
General Electric Company. (See Rich, Theodore A., assignor.)
General Electric Company. (See Uyterhoeven, W., van Dam, Verburg, and Bruijnes, assignors.)
General Electric Company. (See Warner, D. F., and Standerwick, assignors.)
General Electric Vapor Lamp Company. (See Walker, Warren R., assignor.)
General Motors Corporation. (See Candor, Robert R., assignor.)
General Motors Corporation. (See Edwards, William C., assignor.)
General Motors Corporation. (See King, Jesse G., assignor.)
General Motors Corporation. (See Lemming, John C., assignor.)
General Petroleum Corporation of California. (See Grace, V. F., and Richardson, assignors.)
Gerace, Dominic M., Jr., Norfolk, Va. Conveyer current carrier. 2,077,317; Apr. 13.
Gibbins, Leslie B. (See Taylor, W. I., and Gibbins.)
Gill, Alan F. (See Pitt, N. P., and Gill.)
Gilmore, William L., Meadville, Pa., assignor to Hookless Fastener Company. Separable fastener. 2,077,360; Apr. 13.
Glickman, Max, et al. (See Moss, L. E., and Titus, assignors.)
Globe Oil Tools Company. (See Grimmelsman, George F., assignor.)
Globe Oil Tools Company. (See Howard, J. H., and Catland, assignors.)
Gluck, Edward V., Bronx, N. Y., assignor to Royal Electric Company, Incorporated, Avon, Mass. Fuse holder. 2,076,943; Apr. 13.
Goldblatt, Louis I., Kansas City, Mo. Implement handle. 2,076,836; Apr. 13.
Gonzales, Hermenegildo P. (See Rader, W. P., and Cisneros, assignors.)
Goodall, Howard W., Aldan, Pa. Hose end and coupling structure. 2,076,632; Apr. 13.
Goodbody, Edmund M., Bellrose, Long Island, assignor to Intertype Corporation, Brooklyn, N. Y. Mold disk support for typographical machines. 2,077,361; Apr. 13.
Goodman, Benjamin, Pensacola, Fla. Golf stroke practice device. 2,077,318; Apr. 13.
Goodwin, William O., Chicago, Ill. Table. 2,076,888; Apr. 13.
Goodyear, Ellsworth S., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Smokeless powder. 2,076,772; Apr. 13.
Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for piercing and eyeleting. 2,076,556; Apr. 13.
Goserud, Chester O., St. Paul, Minn. Sash fastener. 2,077,105; Apr. 13.
Goyot, François A., Bellegarde, France. Machine for working printing machine cylinders, particularly copper cylinders in copper plate printing machines. 2,076,773; Apr. 13.
Grace, Victor F., Balboa, and W. H. Richardson, Los Angeles, Calif., assignors to General Petroleum Corporation of California. Marine derrick structure. 2,077,044; Apr. 13.
Graef, John M. (See Fourness, C. A., and Graef.)
Graham, Maurice H., St. Louis Park, Minn. Heat regulating timer for toasters and other heat appliances. 2,076,774; Apr. 13.
Grahek, John, Sr., Chisholm, Minn. Template and punch therefor. 2,077,232; Apr. 13.
Grant, Harry C., Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Supervised electric system. 2,077,145; Apr. 13.
Green, Edward G., Charleston, W. Va., assignor to Libby-Owens-Ford Glass Company, Toledo, Ohio. Furnace. 2,077,169; Apr. 13.
Green, Joseph W. (See Loose, K. D., Watkins, and Green.)
Greenewalt, Crawford H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of hydrocarbons. 2,076,557; Apr. 13.
Greenhill, Charles W., New York, N. Y. Cushioning device. 2,077,233; Apr. 13.
Grimmelsman, George F., Los Angeles, assignor to Globe Oil Tools Company, Los Nietos, Calif. Core catcher. 2,076,837; Apr. 13.
Gross, Benjamin & Edward J., Co. Inc. (See Gross, Edward J., assignor.)
Gross, Edward J., assignor to Benjamin & Edward J. Gross Co. Inc., New York, N. Y. Jewelry set. 2,077,234; Apr. 13.
Grossinger, Anton, Milwaukee, Wis. Concrete mixture and making the same. 2,077,374; Apr. 13.
Grundman, Charles U., Palisade Park, N. J. Artificial candle. 2,077,107; Apr. 13.
Grunwald, Albert C. (See Birr, R. G., and Grunwald.)
Guett, Monroe, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Fuse puller switch. 2,077,319; Apr. 13.

Guldbrandsen, Guldbrand, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Coin controlled mechanism. 2,076,775; Apr. 13.
Gutmann, Ferdinand & Co. (See Gutmann, Jesse, assignor.)
Gutmann, Jesse, Babylon, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Container closure. 2,077,235; Apr. 13.
Gutzke, Walther. (See Eberhard, H., and Gutzke.)
Guyan Machinery Company. (See Hanna, Fry, assignor.)
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading tool. 2,076,776; Apr. 13.
Hagel, Albert, Newark, assignor to Consolidated Safety Pin Company, Bloomfield, N. J. Cosmetic holder. 2,076,718; Apr. 13.
Hagel, Albert, Newark, assignor to Consolidated Safety Pin Company, Bloomfield, N. J. Cosmetic holder. 2,076,719; Apr. 13.
Haggerty, John R., Elizabeth, N. J. Tooth powder container. 2,076,720; Apr. 13.
Hahn, T. W. (See Knipp, Arthur R., assignor.)
Haines, Donald G., Bloomfield, N. J., assignor to Radio Corporation of America. Electron tube. 2,076,633; Apr. 13.
Hale, Frank C. (See Taylor, W. I., Hale, and Woodruff.)
Hale, Frank C., and W. Howarth, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of staple fiber yarns from continuous filaments. 2,077,320; Apr. 13.
Haller, Josef, Leverkusen-Wiesdorf, and G. Rösch, Cologne-Mulheim, Germany, assignors, by mesne assignments, to Durand & Huguenin A.-G., Basel, Switzerland. Preparing dyestuffs of the anthracene series. 2,077,108; Apr. 13.
Hallwood, Nathan A., assignor of one-half to W. S. Cowan, Columbus, Ohio. Toilet article. 2,076,634; Apr. 13.
Halstead, Frederick H., assignor to Ramsey Chain Company, Inc., Albany, N. Y. Clutch. 2,076,635; Apr. 13.
Hammond, John H., Jr. (See Alexanderson, E. F. W., and Hammond.)
Hancock-Nelson Mercantile Company. (See Jedlicka, Anton G., assignor.)
Hanley, Albert J., assignor to Respro Inc., Cranston, R. I. Material in the nature of leather substitute and manufacture. 2,076,636; Apr. 13.
Hanley, John A., Stamford, Conn., assignor, by mesne assignments, to Clipshave, Inc. Shaving device. 2,077,367; Apr. 13.
Hanna, Fry, assignor to Guyan Machinery Company, Logan, W. Va. Portable resistance unit. 2,076,561; Apr. 13.
Hansen, Albert, Menominee, Mich. Curtain drier. 2,076,777; Apr. 13.
Harlow, Leonard M., Glenbrook, Conn., and C. M. Mapes, Hackensack, N. J., assignors to American Telephone and Telegraph Company. Telephone substation apparatus. 2,076,637; Apr. 13.
Harnischfeger Corporation. (See Henricks, Arthur G., assignor.)
Harpham, Fred M., deceased, H. E. Andres and G. R. Harpham, executors, assignors to The Akers and Harpham Company, Akron, Ohio. Building construction unit. 2,076,989; Apr. 13.
Harpham, Gertrude R., et al., executors. (See Harpham, Fred M.)
Harris and Reed Manufacturing Company. (See Reed, Edward A., assignor.)
Harris, Sidney E. (See Christiansen, W. G., and Harris.)
Harris, Walter B., Bayside, N. Y. Oil gas generator. 2,077,236; Apr. 13.
Harrison, George O., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Direct-trip device. 2,077,321; Apr. 13.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,077,170; Apr. 13.
Harriss, Henry W., Baltimore, Md., assignor, by mesne assignments, to The Cheney Company, Winchester, Mass. Flashing. 2,076,990; Apr. 13.
Hart, Earl R., Cleveland Heights, assignor to The Clark Controller Company, Cleveland, Ohio. Measuring apparatus. 2,077,146; Apr. 13.
Hart, Harry S. (See Hindahl, David, assignor.)
Harter, Noah S., assignor to Cyclone Fence Company, Waukegan, Ill. Mechanism for winding wire fabric onto drums. 2,076,778; Apr. 13.
Hartford-Empire Company. (See Honiss, William H., assignor.)
Hartman, Howard W., South Williamsport, and J. F. Brown, Williamsport, Pa., said Brown assignor to said Hartman. Electrical conduit system. 2,076,558; Apr. 13.
Harvey, Edward W., New Brunswick, N. J., and R. M. Jones, Sheffield, Ala., assignors to The Barrett Company, New York, N. Y. Production of fertilizers. 2,077,171; Apr. 13.
Haseltine, Stacy B., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Draft and buffing gear. 2,076,779; Apr. 13.
Hatt, Daniel, Rouen, assignor to Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France. Manufacture of azodyestuffs for esters of cellulose and azodyestuffs obtained therefrom. 2,077,322; Apr. 13.
Hauer, William A., Youngstown, Ohio. Gas and air mixing device. 2,076,559; Apr. 13.
Haupt, Herbert, Mount Healthy, assignor to Littleford Brothers, Cincinnati, Ohio. Apparatus for distributing liquids on roads. 2,076,780; Apr. 13.
Hayes, Daniel J. (See Atti, R., and Hayes.)
Hayes, Frank A., Middletown, N. J. Variable speed power transmission system. 2,076,560; Apr. 13.
Haynos, John J., San Bernardino County, Calif. Prostate gland massaging and variable temperature applicator. 2,076,638; Apr. 13.
Hazard, Willis G. (See Drinker, P., and Hazard.)
Hazel-Atlas Glass Company. (See Ruck, William R., assignor.)
Hazeltine Corporation. (See Huxtable, Clyde K., assignor.)
Hazeltine Corporation. (See MacDonald, William A., assignor.)
Healey, Charles J., assignor to John B. Stetson Company, Philadelphia, Pa. Head size shaping and finishing method and apparatus. 2,076,721; Apr. 13.
Hearn, Richard B., Hollis, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal distortion measuring device. 2,077,172; Apr. 13.
Hees, Emil, Wiesbaden, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Products obtainable from high molecular carbohydrates and preparing them. 2,076,889; Apr. 13.
Heggem, Alfred G., assignor of one-third to E. D. Ligon, and one-third to W. O. Ligon, Tulsa, Okla. Valve. 2,076,838; Apr. 13.
Heggem, Alfred G., assignor of one-third to E. D. Ligon, and one-third to W. O. Ligon, Tulsa, Okla. Valve. 2,076,839; Apr. 13.
Heggem, Alfred G., assignor of one-third to E. D. Ligon, and one-third to W. O. Ligon, Tulsa, Okla. Valve. 2,076,840; Apr. 13.
Heggem, Alfred G., assignor of one-third to E. D. Ligon, and one-third to W. O. Ligon, Tulsa, Okla. Valve. 2,076,841; Apr. 13.
Heidbrink, Jay A., Minneapolis, Minn. Gauge for indicating the volume of flow of gases. 2,076,562; Apr. 13.
Hein, Hugo, New York, N. Y. Detecting false signatures. 2,077,237; Apr. 13.
Heinze Development Company. (See Heinze, John O., assignor.)
Heinze, John O., assignor to Heinze Development Company, Detroit, Mich. Motor vehicle. 2,076,722; Apr. 13.
Heinze, John O., assignor to Heinze Development Company, Detroit, Mich. Eccentric piston pump or compressor. 2,076,723; Apr. 13.
Heltzel, John N., Warren, Ohio. Road material spreading machine. 2,076,890; Apr. 13.
Hemphill Company. (See Lawson, R. H., and Cloutier, assignors.)
Hendrix, Samuel A., Spokane, Wash. Water heater. 2,077,323; Apr. 13.
Henke, Clyde O., Wilmington, Del., and M. A. Prahl, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphonation products of hydroabietyl alcohol and preparing the same. 2,076,563; Apr. 13.
Henney Motor Company. (See Runkle, George L., assignor.)
Henning, Francis L., Charlestown, assignor of one-half to J. A. Stryker, Arlington, Mass. Fluid control device. 2,077,324; Apr. 13.
Henricks, Arthur G., assignor to Harnischfeger Corporation, Milwaukee, Wis. Apparatus for handling and storing. 2,077,238; Apr. 13.
Henry, George W., Jr. (See Thackeray, S. J., and Henry.)
Hensel, Bernhard. (See Richter, J., Hensel, and Hess.)
Hercules Powder Company. (See Borglin, J. N., and Ott, assignors.)
Hercules Powder Company. (See Goodyear, Ellsworth S., assignor.)
Hercules Powder Company. (See Lorand, Eugene J., assignor.)
Herring-Hall-Marvin Safe Company. (See Millice, Paul S., assignor.)
Hess, Francis M., Chicago, Ill. Apparatus for determining the consistency of liquids. 2,076,816; Apr. 13.
Hess, Kurt. (See Richter, J., Hensel, and Hess.)
Heyer, Benjamin F. W., Bloomfield, assignor to Atlas Supply Company, Newark, N. J. Storage battery testing apparatus. 2,076,639; Apr. 13.
Hightower, Julian T. (See Adams, Robert J., assignor.)
Hillebrand, Hermann, Berlin-Friedrichshagen, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands. Gas producer. 2,076,891; Apr. 13.
Hindahl, David, assignor to H. S. Hart, Chicago, Ill. Car construction. 2,076,843; Apr. 13.

Hinnüber, Josef, Essen, Germany, assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y. Hard metal alloy. 2,077,239; Apr. 13.
Hoban, Fairfield W., assignor to J. E. Stewart, doing business under the firm name and style of Stewart & McGuire, New York, N. Y. Check operated vending apparatus. 2,076,564; Apr. 13.
Hobbis, William T., Danville, assignor, by mesne assignments, to Wash Company, Chicago, Ill. Container pick-up truck. 2,077,349; Apr. 13.
Hoche, Adam, Brooklyn, N. Y., assignor to Cellulose Research, Inc., Chicago, Ill. Cellulose product. 2,076,817; Apr. 13.
Hoeflich, Victor T., assignor to American Merrillel Corporation, New York, N. Y. Paper product and making the same. 2,076,945; Apr. 13.
Holgersson, Sigbjörn, P. H. E., Storvik, and W. A. E. Tibell, Molndal, Sweden. Attaining improved felting of the fibers in paper pulp on the wet part of paper and board making machines. 2,076,991; Apr. 13
Holm, Ludwig, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electrical switch of the snap spring type. 2,077,362; Apr. 13.
Holmes, Raynor M., assignor to Bloomer Bros. Company, Newark, N. Y. Collapsible container. 2,076,844; Apr. 13.
Holt, Thomas W., and J. F. Levan, assignors to Excel Curtain Company, Elkhart, Ind. Veneered tubing and making the same. 2,076,643; Apr. 13.
Holy, Mitchel E., Posen, assignor to Container Corporation of America, Chicago, Ill. Container. 2,077,173; Apr. 13.
Honiss, William H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass feeding method and apparatus. 2,077,147; Apr. 13.
Honiss, William H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass feeding method and apparatus. 2,077,148; Apr. 13.
Hookless Fastener Company. (See Gilmore, William L., assignor.)
Hookless Fastener Company. (See Sundback, Gideon, assignor.)
Hord, John D. (See Fink, C. G., Kenny, and Hord.)
Horn and Hardart Baking Co. (See Cunningham, James W., assignor.)
Horner, Westley C., Moundsville, W. Va. Fireplace shield. 2,077,324; Apr. 13.
Horton Manufacturing Company, The. (See Edwards, William E., assignor.)
Hosiery Developments Limited. (See Jones, T. H., and Mills, assignors.)
Howard, John H., Huntington Park, and A. C. Catland, Alhambra, assignors to Globe Oil Tools Company, Los Nietos, Calif. Well bit. 2,076,845; Apr. 13.
Howard, Stanley R., East Milton, and G. W. Anderson, North Quincy, assignors to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,076,640; Apr. 13.
Howarth, William. (See Hale, F. C., and Howarth.)
Howe, Wilfred H., Winchester, Mass., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Gaging mechanism. 2,076,944; Apr. 13.
Hubbard, Karl H., and H. L. Mason, assignors to Taylor Instrument Companies, Rochester, N. Y. Oscillometer. 2,076,642; Apr. 13.
Hubbard, Karl H., assignor to Taylor Instrument Companies, Rochester, N. Y. Heat exchange system. 2,076,641; Apr. 13.
Huber, Charlotte, New York, N. Y. Combination scrubber. 2,076,946; Apr. 13.
Hulbert, George E. (See Indge, H. S., and Hulbert.)
Hulbert, George E., Westboro, assignor to Norton Company, Worcester, Mass. Grinding wheel truing apparatus. 2,077,363; Apr. 13.
Hultgren, Axel G. E., Stockholm, Sweden. Heat treatment of worn tires and other rolling bodies of steel. 2,076,992; Apr. 13.
Hultquist, Charles A., San Gabriel, Calif., assignor to Independent Pneumatic Tool Co., Chicago, Ill. Pneumatic rock drill. 2,076,644; Apr. 13.
Humphrey, George T., Dallas, Tex. Counterbalanced crank arm. 2,076,818; Apr. 13.
Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Hair curler. 2,077,149; Apr. 13.
Huse, Hiram N., Providence, R. I. Ball winding machine. 2,076,565; Apr. 13.
Hustler Corporation. (See Ferris, William D., assignor.)
Huxtable, Clyde K., Flushing, N. Y., assignor to Hazeltine Corporation. Wave signaling system. 2,077,045; Apr. 13.
Hygienic Tube & Container Company. (See Lermer, Herman B., assignor.)
Hyndman, Meade, assignor to Rosenthal Paper Company, St. Louis, Mo. Folding box. 2,077,174; Apr. 13.
I. G. Farbenindustrie Aktiengesellschaft. (See Pfuetzer, G., and Losch, assignors.)
Illinois Electric Porcelain Company. (See Kettron, Charles W., assignor.)
Imler, Thomas E., Salina, Kans. Valve for water closet tanks. 2,077,325; Apr. 13.
Independent Pneumatic Tool Co. (See Hultquist, Charles A., assignor.)
Indge, Herbert S., and G. E. Hulbert, Westboro, assignors to Norton Company, Worcester, Mass. Lapping machine. 2,077,364; Apr. 13.
Industrial Engineering Corporation. (See Miller, William F., assignor.)
Industrial Patents Corporation. (See McKee, H. H., and Dziedzic, assignors.)
Ingersoll-Rand Company. (See Schreck, Henry V. D., assignor.)
Ingols, Heber A., Wilmington, and P. F. Pie, Jr., Newark, assignors to Darco Corporation, Wilmington, Del. Treating carbonaceous materials and product. 2,076,645; Apr. 13.
Ingols, Heber A., Wilmington, and P. F. Pie, Jr., Newark, assignors to Darco Corporation, Wilmington, Del. Deaerating granules of active carbon. 2,076,646; Apr. 13.
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Business Machines Corporation. (See Campbell, Charles, assignor.)
International Business Machines Corporation. (See Carroll, Fred M., assignor.)
International Business Machines Corporation. (See Ford, Eugene A., assignor.)
International Business Machines Corporation. (See Fuller, Frederick L., assignor.)
International Business Machines Corporation. (See Keen, Harold H., assignor.)
International Business Machines Corporation. (See Köhn, Ulrich, assignor.)
International Business Machines Corporation. (See Mills, Albert W., assignor.)
International Business Machines Corporation. (See Rabenda, Edward J., assignor.)
International Cellucotton Products Company. (See Fourness, C. A., and Grnef, assignors.)
International Vibration Company. (See Day, William P., assignor.)
Intertype Corporation. (See Goodbody, Edmund M., assignor.)
Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Two-cycle internal combustion engine. 2,076,892; Apr. 13.
Isbell, George W., Baltimore, Md. Safety control valve. 2,076,566; Apr. 13.
Jackson, James J., Woodbury, assignor to Paulsboro Manufacturing Company, Paulsboro, N. J. Decorative sheet and preparing the same. 2,076,993; Apr. 13.
Jacobsen, Henry, now by judicial decree H. Jenett, Englewood, N. J., assignor to Celanese Corporation of America. Thermoplastic compositions and preparing the same. 2,076,781; Apr. 13.
Jacquet, Gaëtan G., and R. E. Badin, Paris, France. Electroacoustic sounding apparatus. 2,076,724; Apr. 13.
Jasmin, Armand, San Francisco, Calif. Tool holder. 2,077,109; Apr. 13.
Jedlicka, Anton G., Minneapolis, assignor to Hancock-Nelson Mercantile Company, St. Paul, Minn. Specialized jar or bottle closure. 2,076,782; Apr. 13.
Jeffords, Clyde R., Jamaica, N. Y. Hypodermic outfit case. 2,077,240; Apr. 13.
Jenett, Henry. (See Jacobsen, Henry.)
Jenkins, Henry G., and J. W. Ryde, Middlesex, England, assignor to General Electric Company. Electric discharge lamp. 2,076,725; Apr. 13.
Johannes, Ernst H., Milwaukee, Wis., assignor to A. M. Davidson, trustee. Building lumber. 2,077,065; Apr. 13.
Johanson, Georg K. V., Lidingo, near Stockholm, Sweden. Spray nozzle. 2,076,947; Apr. 13.
Johanson, Pehr, Boyiston, assignor to Norton Company, Worcester, Mass. Making a rough sided rubber bonded abrasive wheel. 2,076,846; Apr. 13.
Johnson, Aron E., Seattle, Wash. Beer dispenser. 2,076,893; Apr. 13.
Johnson, Boyd M., Metuchen, N. J., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Apparatus for revivifying charcoal. 2,076,647; Apr. 13.
Johnson, Carl J. (See Lifvendahl, A. F., and Johnson.)
Johnson, Jerald R., Pelican Rapids, Minn. Device for putting on skid chains. 2,076,894; Apr. 13.
Johnson, Noah L., Cincinnati, Ohio. Automobile safety bumper. 2,077,110; Apr. 13.
Johnston, Charles L., Long Beach, Calif., assignor to Universal Oil Products Company, Chicago, Ill. Cleaning furnace tube. 2,076,847; Apr. 13.
Johnston, Herbert A., Anaheim, Calif. Key holder. 2,076,895; Apr. 13.
Jones, Edward D., assignor of one-half to E. C. Jones, Clinton, Iowa. Clutch mechanism. 2,076,648; Apr. 13.
Jones, Ernest C. (See Jones, Ernest D., assignor.)
Jones, Ernest R., Detroit, Mich. Center indicator. 2,076,819; Apr. 13.
Jones, Everett L., Twila, Ky. Collapsible stove. 2,076,783; Apr. 13.
Jones, Russell M. (See Harvey, E. W., and Jones.)
Jones, Thomas H., Woodthorpe, and R. K. Mills, Sherwood, Nottingham, assignors to Hosiery Developments Limited, Nottingham, England. Producing knitted fabrics. 2,076,896; Apr. 13.
Jones, Walter I., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener member. 2,077,368; Apr. 13.
Judson, Wilber. (See Bacon, R. F., and Judson.)

Kamen, Willard B., Chicago, Ill. Attaching clip. 2,076,726; Apr. 13.
Kanengeiser, Fred R., Portsmouth, Ohio. Sound absorbing material. 2,076,994; Apr. 13.
Kaplan, Elias, Hoboken, N. J., assignor to Elias Kaplan, Inc. Ventilator. 2,076,948; Apr. 13.
Kaplan, Elias, Inc. (See Kaplan, Elias, assignor.)
Kapteÿn, Paul, Berlin, Germany. Multistage valve. 2,077,326; Apr. 13.
Karle, John D., Roselle Park, N. J. Safety razor. 2,077,241; Apr. 13.
Karp, William S., New York, N. Y. Projecting game apparatus. 2,077,369; Apr. 13.
Kawneer Company, The. (See Plym, Francis J., assignor.)
Kay and Ess Chemical Corporation, The. (See Kittredge, H. G., and Turner, assignors.)
Kayser, James W., assignor of one-fourth to J. W. Lavery and one-fourth to W. S. Neill, Riverton, Wyo. Farm gate. 2,076,995; Apr. 13.
Keen, Harold H., Letchworth, England, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Perforated card controlled accounting machine. 2,076,727; Apr. 13.
Keil, Francis, & Son, Inc. (See Brantingson, Sigurd, assignor.)
Keiser, Bernhard. (See De Groote, M., and Keiser.)
Keiser, Bernhard. (See De Groote, M. Keiser, Faure, and Wirtel.)
Keiser, David S., Glenside, Pa. Mechanical toy. 2,077,327; Apr. 13.
Keith, Percy C., Jr. (See Roberts, J. K., and Keith.)
Keiver, Charles W., Oakland, Calif. Mattress display device. 2,076,848; Apr. 13.
Keller, Harry H., Ventnor, N. J., assignor to Bitting Incorporated, New York, N. Y. Building structure. 2,076,728; Apr. 13.
Kellogg, M. W., Company, The, et al. (See Roberts, J. K., and Keith, assignors.)
Kelly, Hercules L., and I. H. Wilson, Honolulu, Hawaii. Bed attachment. 2,077,328; Apr. 13.
Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)
Kemp, Roland J. (See Dowsett, H. M., and Kemp.)
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,567; Apr. 13.
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,568; Apr. 13.
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,569; Apr. 13.
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,570; Apr. 13.
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,571; Apr. 13.
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,572; Apr. 13.
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,573; Apr. 13.
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,574; Apr. 13.
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,575; Apr. 13.
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,576; Apr. 13.
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,577; Apr. 13.
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,578; Apr. 13.
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,579; Apr. 13.
Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,076,580; Apr. 13.
Kennedy, Donald S., New York, N. Y. Electrical system and device therefor. 2,076,849; Apr. 13.
Kennedy, Joseph A., Pawtucket, R. I., assignor to Anaconda Wire & Cable Company, New York, N. Y. Latex treated tubing. 2,076,729; Apr. 13.
Kenny, Frederic J. (See Fink, C. G., Kenny, and Hord.)
Kent, Gordon W., Canton, Ohio. Luminous advertising apparatus. 2,077,111; Apr. 13.
Kessler, Frank, Villa Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,076,649; Apr. 13.
Kettron, Charles W., assignor to Illinois Electric Porcelain Company, Macomb, Ill. House wiring system. 2,076,650; Apr. 13.
Key Company. (See Key, Frederick E., assignor.)
Key, Frederick E., St. Louis, Mo., assignor to Key Company, East St. Louis, Ill. Return bend. 2,076,850; Apr. 13.
Kharasch, Morris S., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Refining gasoline. 2,076,581; Apr. 13.
Kidde, Walter, & Company. (See Grant, Harry C., Jr., assignor.)
King, Jesse G., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,076,820; Apr. 13.
Kirby, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. New product and producing same. 2,076,949; Apr. 13.
Kistner, Herman H., assignor to The Kistner Lock and Appliance Company, Baltimore, Md. Closure bolting and locking means. 2,076,897; Apr. 13.
Kistner Lock and Appliance Company, The. (See Kistner, Herman H., assignor.)
Kittredge, Harvey G., and A. J. Turner, assignors to The Kay and Ess Chemical Corporation, Dayton, Ohio. Imitation leather paper. 2,077,112; Apr. 13.
Kleinschmit, Oscar, and W. Geissler, assignors to Gebruder Brehmer, Leipzig-Plagwitz, Germany. Sheet feed device. 2,076,996; Apr. 13.
Klemm, Emil J., Jr., Salt Lake City, Utah. Baby chair balance. 2,077,113; Apr. 13.
Klinkhamer, Hendrik A. W., C. A. Lamberts, N. A. J. Voorhoeve, and F. H. de Jong, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Welding apparatus. 2,077,114; Apr. 13.
Klohr, Howard E., Hollis, and S. Koslow, Hempstead Gardens, assignors to The National Sugar Refining Co. of New Jersey, New York, N. Y. Carton. 2,077,046; Apr. 13.
Knapp, Raymond. (See Knopp, Rudolph, assignor.)
Knapp, Raymond, Long Island City, N. Y. Shaving device and motor therefor. 2,077,329; Apr. 13.
Knapp, Raymond, New York, N. Y. Starting device for electric motors. 2,077,330; Apr. 13.
Knipp, Arthur R., assignor of one-half to T. W. Hahn, Napoleon, Ohio. Display device. 2,076,784; Apr. 13.
Knobel, Max, Arlington, Mass. Chronological instrument. 2,077,115; Apr. 13.
Knopp, Rudolph, Brooklyn, assignor to R. Knapp, New York, N. Y. Shaving device. 2,077,331; Apr. 13.
Knowland, Richard G., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Double tuft pile fabric loom. 2,076,785; Apr. 13.
Knudson, Clarence B. (See Eastman, L. E., and Knudson.)
Koch, Ralph H., Lennox, near Inglewood, Calif. Disappearing toilet. 2,076,950; Apr. 13.
Kohl, Harry L. (See Kornbau, K., Kromm, and Kohl.)
Kolbe, Joachim, Hamburg, Germany. Body suspension for vehicles of all kinds. 2,076,786; Apr. 13.
Kölm, Ulrich, Berlin-Lankwitz, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,076,730; Apr. 13.
Kondolf, Henry, assignor to Southern Kraft Corporation, New York, N. Y. Carton and blank for forming the same. 2,077,047; Apr. 13.
Konetsky, John R., San Francisco, Calif. Axle spring mounting. 2,077,048; Apr. 13.
Kono, Masaye, Nishinomiya, Japan. High speed spinning. 2,076,951; Apr. 13.
Koppers Company. (See Rhodes, Edmund O., assignor.)
Koppers Company. (See Rhodes, E. O., Volkman, and Barker, assignors.)
Kornbau, Kennard, V. Kromm, and H. L. Kohl, New York, N. Y. Porthole ventilator. 2,077,175; Apr. 13.
Koslow, Stanley. (See Klohr, H. E., and Koslow.)
Kratky, Anton, Vienna, Austria. Production of hard metal alloys. 2,076,952; Apr. 13.
Kroll, Martin W., Billings, Mont. Process of and apparatus for amalgamating and separating metals. 2,077,332; Apr. 13.
Kromm, Valentine. (See Kornbau, K., Kromm, and Kohl.)
Krueger, Ernst, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Centralized radio system. 2,076,731; Apr. 13.
Kuehne, Oscar, San Antonio, Tex. Pump. 2,076,732; Apr. 13.
Kuhn, George W., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Telephone system. 2,076,651; Apr. 13.
L. C. L. Corporation, The. (See Woodruff, Graham C., assignor.)
Labus, Otto A., Wisconsin Rapids, Wis., and W. J. Mohr, assignors to Universal Insulation Company, Chicago, Ill. Heat insulating structure and method of production. 2,076,898; Apr. 13.
Lacy, Burritt S., Niagara Falls, N. Y., assignor to The E. I. du Pont de Nemours & Co., Wilmington, Del. Manufacture of hydrocyanic acid. 2,076,953; Apr. 13.
Lamberts, Clamor A. (See Klinkhamer, H. A. W., Lamberts, Voorhoeve, and de Jong.)
Lamort Fils, E. et M. (See Lemort, Marcel, assignor.)
Lamort, Marcel, assignor to E. et M. Lamort Fils, Vitry-le-Francois, France. Disintegrating paper making material. 2,076,899; Apr. 13.
Lancaster, George V., Bobcaygeon, Ontario, Canada, Traction tread chains. 2,076,652; Apr. 13.
Landis & Gyr, A-G. (See Spahn, Emil, assignor.)
Langley, Carl H., assignor of forty-five per cent to P. K. Wiseman, Los Angeles, Calif. Radio control device. 2,076,900; Apr. 13.

Lansing, Raymond P., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,077,333; Apr. 13.
La Pierre, Cramer W., Schenectady, N. Y., assignor to General Electric Company. Record chart quantity indication. 2,077,242; Apr. 13.
Laport, Edmund A., Glen Ridge, N. J., assignor to Wired Radio, Inc., New York, N. Y. Variable carrier system. 2,076,787; Apr. 13.
Laquer, Fritz, Wuppertal-Vohwinkel, and P. von Dobeneck, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of vitamine A preparation. 2,076,901; Apr. 13.
Larsen, Ole A., Salt Lake City, Utah. Agitator for stoker hoppers. 2,076,851; Apr. 13.
Lauenstein, Carl F., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Ferrous alloy and producing ferrous alloy. 2,077,116; Apr. 13.
Lauenstein, Carl F., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Ferrous alloy and producing ferrous alloy. 2,077,117; Apr. 13.
Lavery, J. W., et al. (See Kayser, James W., assignor.)
Lawrence, Benjamin E., Chicago, Ill. Alarm clock. 2,076,733; Apr. 13.
Lawsen, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Reverse plating by knitting needle control. 2,076,902; Apr. 13.
Leal, Hugh, Windsor, Ontario, Canada, assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Wire forming machine. 2,077,243; Apr. 13.
Lebow, Henry T., Flomot, Tex. Cultivator. 2,077,334; Apr. 13.
Ledwinka, Hans, Koprivnice, Czechoslovakia. Internal combustion engine. 2,076,653; Apr. 13.
Leeds, Winthrop M. (See Lingal, H. J., and Leeds.)
Leggett and Platt Spring Bed and Manufacturing Company. (See Brown, William S., assignor.)
Leibing Automotive Devices, Incorporated. (See Leibing, W. E., and Fageol, assignors.)
Leibing, William E., Sausalito, and R. D. Fageol, Oakland, assignors to Leibing Automotive Devices, Incorporated, San Francisco, Calif. Carbureting apparatus. 2,076,788; April 13.
Leighton, John W., Port Huron, Mich. Adjustable hinge joint. 2,076,852; Apr. 13.
Leindorf, Joseph P., Pelham Manor, N. Y. Abradant tube for perches. 2,077,734; Apr. 13.
Leindorf, Joseph P., Pelham Manor, N. Y. Shoe drying attachment. 2,076,735; Apr. 13.
Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 2,076,789; Apr. 13.
Lemming, John C., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Apparatus for making circular bushings. 2,077,335; Apr. 13.
Lemming, John C., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Apparatus for forming circular bushings. 2,077,336; Apr. 13.
Leon, Albert E. (See Wiggin, Dana L., assignor.)
Lermer, Herman B., assignor to Hygienic Tube & Container Company, Newark, N. J. Syringe or applicator. 2,077,176; Apr. 13.
Le Roy, Myrtle R., assignor of one-half to R. A. McCarson, Coronado, Calif. Garment. 2,077,244; Apr. 13.
Levan, John F. (See Holt, T. W., and Levan.)
Levitt, William T., Needham, assignor to Tamworth Associates, Inc., Needham Heights, Mass. Condenser. 2,076,903; Apr. 13.
Lewis, Albert S., Atlanta, Ga. Method of shaping. 2,077,118; Apr. 13.
Lewis, Florence N., assignor to Elizabeth Arden Sales Corporation, New York, N. Y. Handbag fastener. 2,076,654; Apr. 13.
Lewis, George W., assignor to Caterpillar Tractor Co., San Leandro, Calif. Engine. 2,076,954; Apr. 13.
Lewis, Harry F., Hamden, Conn., assignor to United States Rubber Products, Inc., New York, N. Y. Article assembling conveyer mechanism. 2,076,736; Apr. 13.
Libbey-Owens-Ford Glass Company. (See Drake, John L., assignor.)
Libbey-Owens-Ford Glass Company. (See Green, Edward G., assignor.)
Lifvendahl, Axel F., and C. J. Johnson, Chicago, Ill. Seat construction. 2,077,337; Apr. 13.
Light, George S., Winsted, Conn. Pin. 2,076,655; Apr. 13.
Ligon, Ed. D., et al. (See Heggem, Alfred G., assignor.)
Ligon, William O., et al. (See Heggem, Alfred G., assignor.)
Lilienfeld, Julius E., Winchester, Mass., assignor, by mesne assignments, to The Magnavox Company, Port Wayne, Ind. Filming metal coatings and forming the same. 2,076,904; Apr. 13.
Lilienfeld, Julius E., Winchester, Mass., assignor, by mesne assignments, to The Magnavox Company, Port Wayne, Ind. Electrical condenser. 2,076,905; Apr. 13.
Linaker, Frederick W., St. Louis, Mo. Boiler cleaner. 2,076,737; Apr. 13.
Linder, John A., Montclair, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Protector for lamp fuses. 2,076,582; Apr. 13.
Line Material Company. (See Steinmayer, Alwin G., assignor.)

Lingal, Harry J., and W. M. Leeds, Wilkinsburg, assignors to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,077,338; Apr. 13.
Link-Belt Company. (See Lauenstein, Carl F., assignor.)
Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Refrigerator. 2,076,821; Apr. 13.
Lipman Patents Corporation. (See Lipman, Carl E. L., assignor.)
Lipshie, Arthur, assignor to Salant & Salant, Inc., New York, N. Y. Shirt pocket. 2,077,153; Apr. 13.
Little, Arthur D., Incorporated. (See Carpenter, J. B., Jr., and Stevenson, assignors.)
Little, Edwin G. (See McWhirter, W. C., and Little.)
Littleford Brothers. (See Haupt, Herbert, assignor.)
Livingston, John W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Combined car retarder and switch control system for car retarder yards. 2,076,955; Apr. 13.
Livingston, John W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling railway track skates. 2,077,339; Apr. 13.
Livsey, William, Liverpool, England. Fountain pen. 2,076,997; Apr. 13.
Locke, James D., Grand Rapids, Mich. Oral cavity appliance. 2,077,245; Apr. 13.
Loewe, Siegmund. (See von Ardenne, M., and Loewe.)
Löf, Emil, Stockholm, Sweden. Frame saw. 2,077,119; Apr. 13.
Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,076,656; Apr. 13.
Lombard, Herman G., Washington, D. C., assignor to A. H. Tinnerman, Cleveland, Ohio. Fastening means. 2,077,120; Apr. 13.
Long, Elmer C., Grosse Pointe Park, Mich. Piston for internal combustion motors. 2,076,822; Apr. 13.
Long, James S. (See Rheineck, A. E., Rabin, and Long.)
Longo, Luigi, Rome, Italy. Penholder with ink-guard. 2,077,340; Apr. 13.
Loose, Kenneth D., Bronxville, N. Y., and C. W. Watkins and J. W. Green, Dayton, Ohio, assignors to Loose-Wiles Biscuit Company, Long Island City, N. Y. Continuous laminating machine. 2,076,657; Apr. 13.
Loose-Wiles Biscuit Company. (See Loose, K. D., Watkins, and Green, assignors.)
Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Preparation of aralkyl ethers of cellulose. 2,077,066; Apr. 13.
Losch, Hermann. (See Pfuetzer, G., and Losch.)
Lovell, Stanley P., Newton, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Internal finishing of shoes. 2,077,121; Apr. 13.
Lowenstein, Herman H., Chicago, Ill. Design forming device. 2,076,956; Apr. 13.
Loyd, Clarence E., Los Angeles, Calif. Door. 2,077,122; Apr. 13.
Lubrication Corporation, The. (See Creveling, John L., assignor.)
Lueck, Lawrence R., El Monte, Calif. Boat structure. 2,076,957; Apr. 13.
Luft, Fritz. (See Eggert, J., and Luft.)
Lyon, John K., Jr. (See Cannon, Kenneth B., assignor.)
MacCordy, Charles A., assignor to Sanitary Metal Cap Corporation, Syracuse, N. Y. Apparatus for making bottle caps. 2,076,906; Apr. 13.
MacDonald, William A., Little Neck, N. Y., assignor to Hazeltine Corporation. Signal selecting system. 2,077,049; Apr. 13.
MacIver, Charles P. (See Miller, H. S., and MacIver.)
Maclaren, Stanley F. M. (See Snyder, F. H., and Maclaren.)
Macomic, Chester A., assignor to Macomic Corporation, Chicago, Ill. Typewriter adjustment and shutter bed. 2,076,583; Apr. 13.
Macomic, Chester A., assignor to Macomic Corporation, Chicago, Ill. Detent mechanism. 2,076,584; Apr. 13.
Macomic Corporation. (See Macomic, Chester A., assignor.)
Magnavox Company, The. (See Lilienfeld, Julius E., assignor.)
Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)
Magor Car Corporation. (See Cartzdafner, Roy E., assignor.)
Mahr, Carl, assignor to Carl Mahr G. m. b. H., Esslingen, Germany. Gauge. 2,077,123; Apr. 13.
Mahr, Carl, G. m. b. H. (See Mahr, Carl, assignor.)
Mallory Hat Company, The. (See Reynolds, Ralph K., assignor.)
Mancha Storage Battery Locomotive Company. (See Stoltz, Charles E., assignor.)
Mapes, Charles M. (See Harlow, L. M., and Mapes.)
Marathon Paper Mills Company. (See Abrams, A., Wagner, and Davis, assignors.)
Marathon Paper Mills Company. (See Abrams, A., Wagner, and Forcey, assignors.)
Martin, Oliver C., Plainfield, N. J., and C. W. Clark, Pointe Aux Trembles, Quebec, Canada. Recovery of tellurium. 2,076,738; Apr. 13.
Martin, Wallace H., and R. V. H. Salisbury, North Tarrytown, N. Y. Liquid container. 2,077,341; Apr. 13.

Martindale, Earl H., Lakewood, and L. F. Forseille, Cincinnati, assignors to Martindale Electric Company, Cleveland, Ohio. Cleaning apparatus. 2,076,998; Apr. 13.
Martindale Electric Company. (See Martindale, E. H., and Forseille, assignors.)
Marx, Louis, New York, N. Y. Sparkling yo-yo toy. 2,076,658; Apr. 13.
Masalsky, August B., Chicago, Ill. Coupler lock. 2,077,342; Apr. 13.
Maschinenfabrik Augsburg-Nurnberg, A. G. (See Becher, Theodor, assignor.)
Mason, Henry L. (See Hubbard, K. H., and Mason.)
Masson, Jules J., Oakland, Calif. Step, base, and curbing gauge and tool. 2,076,659; Apr. 13.
Master Rule Manufacturing Company. (See Carlson, Frederick O., assignor.)
Mathes, William F., Hockley, Tex. Agricultural implement. 2,076,958; Apr. 13.
Mathews Conveyer Company. (See Rishel, Hubert M., assignor.)
Matteson, Ralph D., Boise, and W. B. Thomas, Parma, Idaho. Air conditioning apparatus. 2,076,660; Apr. 13.
Matteson, Ralph D., Boise, and W. B. Thomas, Parma, Idaho. Air conditioning apparatus. 2,076,661; Apr. 13.
Matthews, W. N., Corporation. (See Birkenmaier, Theodore, assignor.)
Matulewicz, Vincent. (See Francoeur, A. J., and Matulewicz.)
Mauss, Hans. (See Mietzsch, F., and Mauss.)
Mayr, Wilhelm, Dusseldorf, Germany. Device for cleansing razor blades. 2,077,246; Apr. 13.
McCarson, Ruth A. (See Le Roy, Myrtle R., assignor.)
McClure, William B., Seattle, Wash. Projecting and enlarging condensed information. 2,076,853; Apr. 13.
McCulloch, Leon. (See Strom, A. P., Denault, and McCulloch.)
McDonnell, Everett N., et al. (See Carlson, Oscar F., assignor.)
McKee, Harry H., and N. J. Dziedzic, assignors to Industrial Patents Corporation, Chicago, Ill. Slicing machine. 2,076,959; Apr. 13.
McLean, Daniel O. (See Miller, A. M., and McLean.)
McLean, Robert W., Bridgewater, assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Cottonseed huller. 2,077,247; Apr. 13.
McLellan, Hiram N., Shaker Heights, Ohio, and G. C. Balbach, Grand Rapids, Mich., assignors to The Taylor Chair Company, Bedford, Ohio. Chair. 2,077,067; Apr. 13.
McNally, James O., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,077,177; Apr. 13.
McWhirter, William C., and E. G. Little, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,077,150; Apr. 13.
Meigs, Henry G., West Allis, Wis. Highway marker. 2,076,907; Apr. 13.
Meister, Conrad L., Wilmington, N. C. Cylinder boring bar and attachment. 2,077,248; Apr. 13.
Mekler, Lev A., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Furnace for heating fluids. 2,076,854; Apr. 13.
Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,076,855; Apr. 13.
Menough, Paul S., Pittsburgh, Pa., assignor to Michiana Products Corporation, Michigan City, Ind. Heating furnace. 2,076,739; Apr. 13.
Merker, Herman, Milwaukee, assignor to Pressed Steel Tank Company, West Allis, Wis. Metal barrel. 2,076,585; Apr. 13.
Merrill, Patterson D., South Bend, Ind. Pipe leak plug. 2,077,050; Apr. 13.
Messinger, Peter, Philadelphia, Pa. Spectacle frame. 2,077,051; Apr. 13.
Metal Finishing Research Corporation. (See Tanner, Robert R., assignor.)
Meyer, George J., Milwaukee, Wis. Siphon bottle. 2,077,052; Apr. 13.
Michelssen, Fritz, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron tube. 2,076,662; Apr. 13.
Michiana Products Corporation. (See Burckhalter, Robert N., assignor.)
Michiana Products Corporation. (See Menough, Paul S., assignor.)
Michigan Tool Company. (See Pelphrey, Harry, assignor.)
Mietzsch, Fritz, Wuppertal-Elberfeld, and H. Mauss, Wuppertal-Barmen, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Basically substituted acridine compounds. 2,077,249; Apr. 13.
Miles, Paul, Decatur, Ill. Necktie. 2,076,908; Apr. 13.
Miller, Arthur M., Burlingame, and D. O. McLean, assignors of one-third to H. Wobber, San Francisco, Calif. Game apparatus. 2,077,124; Apr. 13.
Miller, Benjamin, and C. G. Fink, New York, N. Y., assignors to Patents Corporation of America, Jersey City, N. J. Electrolytic iron manufacture. 2,076,909; Apr. 13.
Miller, Frank P., Meadville, Pa. Cutting tool. 2,076,663; Apr. 13.
Miller, Frank P., Meadville, Pa. Inserted blade cutter. 2,076,999; Apr. 13.
Miller, Frank X., Macksville, Kans. Straw saving attachment. 2,077,000; Apr. 13.
Miller, Harold S., Quincy, and C. P. MacIver, Newton, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Laminated shoe stiffener. 2,077,125; Apr. 13.
Miller, Max B., & Co. (See Tuttle, Malcolm H., assignor.)
Miller, William F., assignor to Industrial Engineering Corporation, Evansville, Ind. Heating system. 2,077,250; Apr. 13.
Millice, Paul S., Hamilton, Ohio, assignor to Herring-Hall-Marvin Safe Company, New York, N. Y. Safety interval lock mechanism. 2,077,365; Apr. 13.
Milligan, Lowell H., assignor to Norton Company, Worcester, Mass. Abrasive body and making the same. 2,077,366; Apr. 13.
Mills, Albert W., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,076,740; Apr. 13.
Mills, Robert K. (See Jones, T. H., and Mills.)
Mills, Robert K., Sherwood, Nottingham, England. Knitted fabric. 2,076,910; Apr. 13.
Mills, William J. (See Bumpas, O. C., and Mills.)
Mine Safety Appliances Company. (See Dym, Joseph B., assignor.)
Miner, W. H., Inc. (See Dentler, Arnold E., assignor.)
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
"Mineralocheimie" A. G. für metallurgische und chemishe Produkte. (See Baschant, Karl, assignor.
Minkema, William H., assignor to Universal Oil Products Company, Chicago, Ill. Furnace for and method of heating fluids. 2,076,856; Apr. 13.
Minneapolis-Honeywell Regulator Company. (See Denison, Frederick S., assignor.)
Mirel, Arthur G., New York, N. Y. Automatic landing gear. 2,077,178; Apr. 13.
Mohr, William J. (See Labus, O. A., and Mohr.)
Monsanto Chemical Company. (See Sibley, Robert L., assignor.)
Monson, Bergie M., Estherville, Iowa. Football goal. 2,076,911; Apr. 13.
Moore, Clyde, Chicago, Ill. Voltage stabilizer and circuit therefor. 2,076,912; Apr. 13.
Moore, Richard D., Birmingham, Ala. Clothes hanger. 2,077,251; Apr. 13.
Morgenstern, Oscar A., assignor to Teletype Corporation, Chicago, Ill. Alternating current magnet. 2,076,857; Apr. 13.
Morgenstern, Oscar A., assignor to Teletype Corporation, Chicago, Ill. Electromagnet. 2,076,858; Apr. 13.
Morse, Harold F., Southport, Conn., assignor to General Electric Company. Support. 2,077,181; Apr. 13.
Moseley, Francis L., Pelham, N. Y., and J. L. Bird, Radburn, N. J., assignor to Sperry Gyroscope Company, Inc. Brooklyn, N. Y. Standby tube system. 2,077,179; Apr. 13.
Moss, Leon E., and P. M. Titus, Paulsboro, assignors of one-fourth to W. C. Apgar, Woodbury, and one-fourth to M. Glickman, Paulsboro, N. J. Roto dart game. 2,077,001; Apr. 13.
Moyer, Henry S. (See Moyer, Sidney S. and H. S.)
Moyer, Sidney S. and H. S., Youngstown, Ohio. Adjustable waistband for trousers. 2,077,002; Apr. 13.
Müller, Paul, Berlin-Friedrichshafen, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken, "Meaf", Utrecht, Netherlands. Device for rendering visible reference points in geodetic surveying. 2,076,913; Apr. 13.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,077,180; Apr. 13.
Murphy, Frank H., Kansas City, Mo. Drafting board. 2,077,252; Apr. 13.
Myers, Henry B., Cleveland Heights, assignor to The Ferro Machine & Foundry Company, Cleveland, Ohio. Molding. 2,076,790; Apr. 13.
N. V. Machinerieen-en Apparaten Fabrieken "Meaf". (See Hillebrand, Hermann, assignor.)
N. V. Machinerieen-en Apparaten Fabrieken "Meaf". (See Müller, Paul, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Klinkhamer, H. A. W., Lamberts, Voorhoeve and de Jong, assignors.)
Nagole, Inc. (See Snell, Samuel A., assignor.)
Napier, Maurice A. (See Corvington, O. H., and Napier.)
Nardone, Romeo M., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Driving mechanism. 2,077,253; Apr. 13.
Nash, John H., Dayton, Ohio. Water softening apparatus. 2,077,003; Apr. 13.
National Gas and Oil Engine Company Limited, The, et al. (See Burn, Walter S., assignor.)
National Lock Co. (See North, Edwin, assignor.)
National Sugar Refining Co. of New Jersey, The. (See Klohr, H. E., and Koslow, assignors.)
Neill, William S., et al. (See Kayser, James W., assignor.
Nelson, Albert. (See Conery, William J., and Nelson.)
Nelson, Carl O., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,077,151; Apr. 13.

Nelson, Sven T., Michigan City, Ind. Piston and packing therefor. 2,077,182; Apr. 13.
Nenninger, Lester F., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Transmission and control mechanism. 2,076,859; Apr. 13.
Nestler, Henry J. F., Atchison Kans. Gear puller. 2,077,254; Apr. 13.
Netschke, Oscar A., St. Clair Shores, Mich. Mechanical movement. 2,076,960; Apr. 13.
Neuman, Jacob J., South Salem, N. Y. Centrifugal extractor machine. 2,077,053; Apr. 13.
Neville Company, The. (See Rivkin, Joseph, assignor.)
New Britain Machine Company, The. (See Brown, R. S., and Smith.)
Newell, Timothy, Yakima, Wash. Syphon dredging pump. 2,076,823; Apr. 13.
Newton, Ray F., San Francisco, Calif. Interurban and subway transportation system. 2,076,914; Apr. 13.
Nichols, William H., Waltham, Mass. Pump. 2,076,664; Apr. 13.
Niven, Charles D., Ottawa, Ontario, Canada. Heating system for refrigerator cars. 2,076,961; Apr. 13.
Noble, Warren, Michigan City, Ind., assignor to Sullivan Machinery Company. Fluid compressor. 2,076,586; Apr. 13.
Noble, Warren, Michigan City, Ind., assignor to Sullivan Machinery Corporation. Composite valve and making the same. 2,076,665; Apr. 13.
North, Edwin, assignor to National Lock Co., Rockford, Ill. Supporting device. 2,076,860; Apr. 13.
Northrup, King & Company. (See Williams, Herman H., assignor.)
Norton Company. (See Beth, Hugo W. H., assignor.)
Norton Company. (See Flygare, Carl G., assignor.)
Norton Company. (See Hulbert, George E., assignor.)
Norton Company. (See Indge, H. S., and Hulbert, assignors.)
Norton Company. (See Johanson, Pehr, assignor.)
Norton Company. (See Milligan, Lowell H., assignor.)
Norton Company. (See Van der Pyl, Edward, assignor.)
Norton Company. (See Webster, Duane E., assignor.)
Nowak, Leon J., Jr., Buffalo, N. Y. Weighing machine. 2,077,152; Apr. 13.
Nowosielski, Edward B., Sidney, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Magneto generator. 2,077,255; Apr. 13.
Oakes, Joseph. (See Oakes, Stanley and J.)
Oakes, Stanley and J., Waseca, Saskatchewan, Canada. Goal. 2,077,343; Apr. 13.
O'Brien, William J., Chicago, Ill., assignor to Radio Corporation of America. Volume control arrangement. 2,077,126; Apr. 13.
O'Connor, Arthur F., assignor, by mesne assignments, to Union Asbestos & Rubber Company, Chicago, Ill. Brake mechanism. 2,077,256; Apr. 13.
Ofeldt, Frank W., McKeesport, Pa. Spray producing method and apparatus. 2,077,257; Apr. 13.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Regulating device using copper oxide rectifiers. 2,076,962; Apr. 13.
Ohlendorf, Emil F., assignor to Deere & Company, Moline, Ill. Plow. 2,076,666; Apr. 13.
O'Leary, Thomas A., Pittsburgh, Pa. Gas mask equipment. 2,077,054; Apr. 13.
Oliver Farm Equipment Company. (See Altgelt, R. J., and Dewend, assignors.)
Ott, Edward F., Bowmansville, N. Y. Garment hanger. 2,076,824; Apr. 13.
Ott, Emil. (See Borglin, J. N., and Ott.)
Outboard Motors Corporation. (See Irgens, Finn T., assignor.)
Overhead Door Corporation. (See Creager, Henry, assignor.)
Owler, Albert J., assignor to Paul Whitin Manufacturing Company, Northbridge, Mass. Bobbin cleaning machine. 2,077,127; Apr. 13.
Padco Inc. (See Watson, John M., assignor.)
Pannier Brothers Stamp Company. (See Pannier, William J., Jr., assignor.)
Pannier, William J., Jr., assignor to Pannier Brothers Stamp Company, Pittsburgh, Pa. Embossing sheet metal. 2,077,128; Apr. 13.
Parsons, George K., Detroit, Mich. Convertible washing machine construction. 2,076,587; Apr. 13.
Parsons, James B., Indiana, Pa., assignor to The W. S. Tyler Company, Cleveland, Ohio. Sample splitter. 2,076,861; Apr. 13.
Parvin, Edward G., Roselle, assignor, by mesne assignments, to Syncro Machine Company, Newark, N. J. Magnetic means and method of tensioning. 2,077,183; Apr. 13.
Passaic National Bank and Trust Company, executor. (See Cartzdafner, Roy E.)
Patents Corporation of America. (See Miller, B., and Fink, assignors.)
Patrol Valve Company, The. (See Castonguay, Leger S., assignor.)
Patzer, William, New York, N. Y. Detecting apparatus. 2,076,862; Apr. 13.
Paulsboro Manufacturing Company. (See Jackson, James J., assignor.)
Peale-Davis Company. (See Peale, Richard, assignor.)
Peale, Richard, St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Mechanism for separating intermixed divided materials. 2,076,915; Apr. 13.
Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 2,077,154; Apr. 13.
Pearson, Erick, Chicago, Ill. System for loading generators. 2,076,588; Apr. 13.
Peck, Myrle R., assignor to American Cystoscope Makers, Inc. New York, N. Y. Fenestrated endoscopic tube. 2,076,741; Apr. 13.
Pelphrey, Harry, Detroit, Mich., assignor, by mesne assignments, to Michigan Tool Company. Form tool grinding fixture. 2,076,742; Apr. 13.
Penn Electric Switch Company. (See Shaw, Burton E., assignor.)
Pennell, Philip H., and C. H. Draper, Manheim Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Surface covering and making same. 2,077,004; Apr. 13.
Pennsylvania Salt Manufacturing Company. (See Cushing, Russell E., assignor.)
Pepperell Manufacturing Company. (See Cooper, Charles, assignor.)
Perkins, Alfred J., assignor to Embury Manufacturing Co., Warsaw, N. Y. Lantern burner. 2,077,129; Apr. 13.
Perkins, Charlie H., Duthie, Idaho. Saw sharpener. 2,076,916; Apr. 13.
Perkins, Granville A., and W. J. Toussaint, South Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Production of sulphate esters of 2-butyloctanol. 2,077,005; Apr. 13.
Persson, Carl F., Grangarde, Sweden. Tree felling apparatus. 2,077,006; Apr. 13.
Peterson, Carl D., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Rear engine drive for motor vehicles. 2,077,130; Apr. 13.
Pfuetzer, Georg, and H. Losch, Limburgerhof, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Weed killing preparations. 2,076,917; Apr. 13.
Phoenix Oil Engineering Company. (See Redfield, C. L., and De Long, assignors.)
Pie, Paul F., Jr. (See Ingols, H. A., and Pie.)
Pilblad, Eric J., and C. C. Strange, Rockville Centre, N. Y. Brake locking device for motor vehicles. 2,076,963; Apr. 13.
Pilblad, Eric J., Rockville Centre, and C. C. Strange, Port Richmond, Staten Island, N. Y. Locking device. 2,076,825; Apr. 13.
Piperoux, Rene P., Radburn, N. J., assignor to Celluloid Corporation. Multicolor printing on articles of irregular shape. 2,076,589; Apr. 13.
Pitt, Norman P., Rockcliffe, Ontario, and A. F. Gill, Ottawa, Ontario, Canada. Soluble silicate binder and making and using the same. 2,077,258; Apr. 13.
Planiol, René J. H., Paris, assignor of one-half to J. Schidlovsky, Courbevoie, France. Fuel injecting device for internal combustion engines. 2,077,259; Apr. 13.
Platt, Haviland H., New York, N. Y., assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Automatic gear shift for automobiles. 2,076,791; Apr. 13.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Bulletproof cage for banks and the like. 2,077,055; Apr. 13.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Window construction. 2,077,056; Apr. 13.
Pneumatic Scale Corporation. (See Cleaves, William S., assignor.)
Pneumatic Scale Corporation. (See Howard, S. R., and Anderson, assignors.)
Poindexter, William H., St. Louis County, Mo. Heel clamp. 2,076,863; Apr. 13.
Poiisso, James E., assignor of one-third to T. D. Stablow, Rochester, Pa. Jar sealer. 2,077,260; Apr. 13.
Pombo, James, East Providence, assignor to American Insulated Wire Corp., Providence, R. I. Reenforced flexible electric cable. 2,076,667; Apr. 13.
Pomeroy, Richard, Harbor City, assignor of one-half to A. P. Banta, Pasadena, Calif. Process and apparatus for water purification. 2,076,964; Apr. 13.
Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Circular loom. 2,076,792; Apr. 13.
Poole, Arthur F., deceased; M. B. Poole, administratrix, assignor to M. B. Poole, Ithaca, N. Y. Electric clock. 2,077,007; Apr. 13.
Poole, Arthur F., deceased; M. B. Poole, administratrix, assignor to M. B. Poole, Ithaca, N. Y. Apparatus for timing balances. 2,077,008; Apr. 13.
Poole, John W., Jaffrey, N. H. Apparatus for solvent refinement of hydrocarbons. 2,077,057; Apr. 13.
Poole, Maryline B., administratrix. (See Poole, Arthur F.)
Pope, Arthur W., Jr., assignor to Waukesha Motor Company, Waukesha, Wis. Internal combustion engine. 2,076,590; Apr. 13.
Prahl, Milton A. (See Henke, C. O., and Prahl.)
Pressed Steel Tank Company. (See Brushe, Robert C., assignor.)
Pressed Steel Tank Company. (See Merker, Herman, assignor.)

Prodromos, George and M., Winston-Salem, N. C. Trimmer. 2,077,261; Apr. 13.
Prodromos, Marcus. (See Prodromos, George and M.)
Prudden, Theodore M., Hingham Center, Mass. Sound absorbing structure. 2,077,155; Apr. 13.
Prudden, Theodore M., Hingham, Mass. Cell construction for roofed vehicles. 2,077,262; Apr. 13.
Quinn, P. J., et al. (See Carroll, Edward R., assignor.)
Raabe, Arthur E., Summit, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,077,263; Apr. 13.
Rabenda, Edward J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Accumulating and printing device. 2,076,743; Apr. 13.
Rabenda, Edward J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Printing device. 2,076,744; Apr. 13.
Rabin, Benjamin. (See Rheineck, A. E., Rabin, and Long.)
Rader, William P., and J. Cisneros, assignors of one-third to H. P. Gonzales, Robstown, Tex. Fishline float. 2,077,184; Apr. 13.
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See de Boer, J. H., and van Geel, assignors.)
Radio Corporation of America. (See De Tar, Donald R., assignor.)
Radio Corporation of America. (See Dowsett, H. M., and Kemp, assignors.)
Radio Corporation of America. (See Farnham, Paul O., assignor.)
Radio Corporation of America. (See Franks, Christopher J., assignor.)
Radio Corporation of America. (See Haines, Donald G., assignor.)
Radio Corporation of America. (See O'Brien, William J., assignor.)
Radio Corporation of America. (See Tringham, William S. L., assignor.)
Radio Corporation of America. (See van Slooten, Jacob, assignor.)
Radioaktiengesellschaft D. S. Loewe. (See von Ardenne, M., assignor, and Loewe.)
Ralston, Anderson W., and C. W. Christensen, assignors to Armour and Company, Chicago, Ill. Compositions from coal tar and higher fatty acids and making the same. 2,077,068; Apr. 13.
Rambausek, Hugo, Eberswalde, near Berlin, Germany. Friction coupling for change gears. 2,077,058; Apr. 13.
Ramsey Chain Company. (See Halstead, Frederick H., assignor.)
Randall, Howard D., Cincinnati, Ohio. Weather strip or sealing means. 2,077,264; Apr. 13.
Rashman, Gordon L., assignor to Rhea Manufacturing Company, Milwaukee, Wis. Automatic marking device. 2,077,106; Apr. 13.
Read, Arthur E., Bronx, N. Y. Nonrefillable bottle. 2,076,668; Apr. 13.
Rechnitzer, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio receiver. 2,077,069; Apr. 13.
Redfield, Casper L., and N. De Long, assignors, by mesne assignments, to Phoenix Oil Engineering Company, Chicago, Ill. Electrically operated steamer. 2,076,669; Apr. 13.
Reed, Edward A., assignor to Harris and Reed Manufacturing Company, Chicago, Ill. Lift-truck. 2,077,265; Apr. 13.
Reiber, Albert H., Evanston, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,076,864; Apr. 13.
Reichenbach, Howard F., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Ornamental construction. 2,076,670; Apr. 13.
Reinsberg, Philip, Chicago, Ill. Collapsible tube closure. 2,076,826; Apr. 13.
Reisman, Mildred S. (See Birch-Field, Charles A., assignor.)
Renner, Alfred, Berlin-Tegel, Germany, assignor to General Electric Company. Internal combustion engine. 2,077,185; Apr. 13.
Research Corporation. (See Bush, Vannevar, assignor.)
Respro Inc. (See Hanley, Albert J., assignor.)
Revere Copper and Brass Incorporated. (See Farr, Fred D., assignor.)
Reynolds, Ralph K., assignor to The Mallory Hat Company, Danbury, Conn. Bow forming apparatus. 2,077,370; Apr. 13.
Rhea Manufacturing Company. (See Rashman, Gordon L., assignor.)
Rheineck, Alfred E., and B. Rabin, Louisville, Ky., and J. S. Long, Coopersburg, Pa., assignors to Devoe & Raynolds Co., Inc. Synthetic drying oil bodies. 2,077,371; Apr. 13.
Rhodes, Edmund O., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company. Method of and means for testing. 2,076,592; Apr. 13.
Rhodes, Edmund O., and E. W. Volkmann, Pittsburgh, and C. T. Barker, Mount Lebanon, Pa., assignors, by mesne assignments, to Koppers Company. Apparatus for determining the consistency of materials. 2,076,591; Apr. 13.
Ricardo, Harry R., London, England. Cylinder of internal combustion engines. 2,076,593; Apr. 13.
Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Current responsive device. 2,077,186; Apr. 13.
Richardson, Thomas H., et al. (See Chandler, Daniel L., assignor.)
Richardson, Walter H. (See Grace, V. F., and Richardson.)
Richter, George A., assignor to Brown Company, Berlin, N. H. Preparation of cellulose xanthate solutions. 2,076,594; Apr. 13.
Richter, George A., assignor to Brown Company, Berlin, N. H. Preparation of viscose syrups. 2,076,595; Apr. 13.
Richter, George A., assignor to Brown Company, Berlin, N. H. Preparation of cellulose xanthate solutions. 2,076,596; Apr. 13.
Richter, Henry G., Westfield, N. J. Method and apparatus for manufacturing electrical resistance elements. 2,077,187; Apr. 13.
Richter, Johannes, B. Hensel, and K. Hess, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Incandescent cathode. 2,076,671; Apr. 13.
Ridge Tool Company, The. (See Thewes, William O., assignor.)
Rishel, Hubert M., Edwardsville, Ill., assignor to Mathews Conveyer Company, Ellwood City, Pa. Roller conveyer. 2,077,188; Apr. 13.
Rishel, Hubert M., Edwardsville, Ill., assignor to Mathews Conveyer Company, Ellwood City, Pa. Roller conveyer. 2,077,189; Apr. 13.
Rishel, Hubert M., Edwardsville, Ill., assignor to Mathews Conveyer Company, Ellwood City, Pa. Roller conveyer. 2,077,190; Apr. 13.
Rivkin, Joseph, Pittsburgh, Pa., assignor to The Neville Company. Resin production. 2,077,009; Apr. 13.
Roberts, Joseph K., Hammond, Ind., and P. C. Keith, Jr., Bernardsville, N. J., assignors of one-half to The M. W. Kellogg Company, New York, N. Y., and one-half to Standard Oil Company, Chicago, Ill. Recovery of hydrocarbons. 2,077,344; Apr. 13.
Robertson, John F., Beaumont, Tex. Chance device. 2,077,010; Apr. 13.
Robinson, Adrian A., and H. C. Dormitzer, Chicago, Ill., assignors to Wilson & Co., Inc. Producing liquid evaporated blood. 2,076,597; Apr. 13.
Robinson, Harold C., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Stock quotation system. 2,076,672; Apr. 13.
Robinson, Wallace S., Vancouver, British Columbia, Canada. Pump sealing system. 2,077,011; Apr. 13.
Robison, George A., Bakersfield, Calif. Hose coupling. 2,076,918; Apr. 13.
Rochte, Augustine T., Tiffin, Ohio. Eyeglass lens drilling machine. 2,077,266; Apr. 13.
Rogers, Elmer J., Jr., U. S. Army, Honolulu, Hawaii. Flight indicator for aircraft. 2,077,267; Apr. 13.
Rogge, Carl A., Hastings on Hudson, assignor to Anaconda Wire & Cable Company, New York, N. Y. Transmission line support. 2,076,745; Apr. 13.
Romaine, Millard, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Manually controlled copying machine. 2,076,865; Apr. 13.
Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,077,156; Apr. 13.
Roper, Marion G., Winters, Tex. Power lift. 2,076,673; Apr. 13.
Rösch, Georg. (See Haller, J., and Rösch.)
Rose, William K., New York, N. Y. Airplane. 2,077,070; Apr. 13.
Rose, William K., New York, N. Y. Airplane. 2,077,071; Apr. 13.
Rose, William K., New York, N. Y. Aileron. 2,077,072; Apr. 13.
Rosenthal Paper Company. (See Hyndman, Meade, assignor.)
Ross, Ernest, Richmond Hill, assignor to United Research Corporation, Long Island City, N. Y. Intermittent film movement. 2,076,919; Apr. 13.
Ross, Karl, Montreal, Quebec, Canada. Building dentures. 2,077,012; Apr. 13.
Ross, Manley L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of metals from their ores. 2,077,073; Apr. 13.
Ross, Rasmus H. (See Clement, James E., assignor.)
Ross, Ruth W., New York, N. Y. Exhaust muffler. 2,076,827; Apr. 13.
Rowe, Fred H., et al. (See Chandler, Daniel L., assignor.)
Rowland, Dwight P., and C. C. Dahl, assignors to Burroughs Adding Machine Company, Detroit, Mich. Typewriter. 2,076,746; Apr. 13.
Royal Electric Company. (See Gluck, Edward V., assignor.)
Ruck, William R., Clarksburg, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass forming machine. 2,077,013; Apr. 13.
Runge, Robert F., assignor to S K F Industries, Inc., Philadelphia, Pa. Cage for ball bearings. 2,076,920; Apr. 13.
Runkle, George L., assignor to Henney Motor Company, Freeport, Ill. Cot fastener. 2,076,866; Apr. 13.

Rust, John D. and M. D., Memphis, Tenn. Cotton picking machine. 2,076,598; Apr. 13.
Rust, Mack D. (See Rust, John D. and M. D.)
Rustless Iron and Steel Corporation. (See Feild, Alexander L., assignor.)
Ryde, John W. (See Jenkins, H. G., and Ryde.)
S & D Engineering Company. (See Sawtelle, Charles A., assignor.)
S K F Industries, Inc. (See Runge, Robert F., assignor.)
Sala, Theodore A., Dallas, Tex. Gas mixing unit. 2,077,131; Apr. 13.
Salant & Salant, Inc. (See Lipshie, Arthur, assignor.)
Salender, Lambert A., Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio. Process to prevent sticking during annealing. 2,076,793; Apr. 13.
Salisbury, Maxwell E., Palmyra, N. Y., assignor to The Garlock Packing Company. Self-adjusting oil retainer. 2,076,747; Apr. 13.
Salisbury, Robert V. H. (See Martin, W. H., and Salisbury.)
Samson-United Corporation. (See Andrews, Harold K., assignor.)
Samuel, Mary E., Martins Ferry, Ohio. Culinary device. 2,077,014; Apr. 13.
Sando, Charles E., Washington, D. C. Emulsifying agent. 2,076,794; Apr. 13.
Sanitary Metal Cap Corporation. (See MacCordy, Charles A., assignor.)
Sawtelle, Charles A., assignor to S & D Engineering Company, Detroit, Mich. Brake actuating mechanism. 2,076,965; Apr. 13.
Schacht, Elmer C., assignor to Behr-Manning Corporation, Troy, N. Y. Paper making process. 2,077,015; Apr. 13.
Schacht, Elmer C., assignor to Behr-Manning Corporation, Troy, N. Y. Paper. 2,077,016; Apr. 13.
Schacht, Elmer C., assignor to Behr-Manning Corporation, Troy, N. Y. Paper. 2,077,017; Apr. 13.
Schaefer, Joseph K., Los Angeles, Calif. Broken axle extractor. 2,077,268; Apr. 13.
Schewe, Paul, Fairfax, Minn. Apparatus for cutting and elevating grain. 2,077,018; Apr. 13.
Schidlovsky, Joseph. (See Planiol, René J. H., assignor.)
Schindhelm, Hans, and M. Schubert, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Work, Inc., New York, N. Y. Azo dyestuffs. 2,076,921; Apr. 13.
Schlesinger, Kurt, Berlin, Germany. Oscillation generator. 2,077,269; Apr. 13.
Schlesinger, Kurt, Berlin, Germany. Braun tube. 2,077,270; Apr. 13.
Schlesinger, Kurt, Berlin, Germany. Braun tube. 2,077,271; Apr. 13.
Schlesinger, Kurt, Berlin, Germany. Braun tube. 2,077,272; Apr. 13.
Schlicht, William J., Jr., Milwaukee, Wis. Salvaging fuel vapor. 2,077,019; Apr. 13.
Schneible, Claude B., Chicago, Ill. Separator apparatus. 2,077,074; Apr. 13.
Schneider, Jos., & Co., Optotechnische Gesellschaft. (See Tronnier, Albrecht W., assignor.)
Schreck, Henry V. D., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Connecting device. 2,077,157; Apr. 13.
Schreiber-Gastell, Richard. (See Formhals, Anton, assignor.)
Schroeder, Carl L., Stockton, Calif. Alarm. 2,077,075; Apr. 13.
Schröter, Fritz, assignor to Telefunken Gesellshaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Television apparatus. 2,076,674; Apr. 13.
Schubert, Max. (See Schindhelm, H., and Schubert.)
Schultze, née Liehr, Marta, Berlin Friedenau, Germany. Device for cleaning and removing dust from mops and other similar kinds of brooms. 2,076,966; Apr. 13.
Schur, Milton O., assignor to Brown Company, Berlin, N. H. Paper for toweling and other purposes. 2,076,599; Apr. 13.
Schweig, Sidonia, Jamaica, N. Y. Seamless knitting and resulting product. 2,076,748; Apr. 13.
Screw Machine Specialty Company. (See Weber, John G., assignor.)
Scrivanich, Luke, Lyndhurst, N. J. Refrigerator and boxcar door construction. 2,077,020; Apr. 13.
Serio, Harry P., Elmira, N. Y. Detachable handle for dishes. 2,077,273; Apr. 13.
Servel, Inc. (See Dowell, Alvis Y., assignor.)
Seymour, George W., Cumberland, Md., assignor to Celanese Corporation of America. Resin. 2,076,795; Apr. 13.
Shafter, Adolph F., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Handle construction for fly swatters and the like. 2,077,132; Apr. 13.
Sharp, Clark E., Columbus, Ohio. Rocking swinging bed. 2,076,675; Apr. 13.
Shaw, Burton E., Adel, assignor to Penn Electric Switch Company, Des Moines, Iowa. Burner control system. 2,076,967; Apr. 13.
Shaw, Burton E., Adel, assignor to Penn Electric Switch Company, Des Moines, Iowa. Burner control system. 2,076,968; Apr. 13.
Sibley, Robert L., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Production of sulphonic acids and the salts thereof. 2,077,133; Apr. 13.
Sieger, Maurice P., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Method and apparatus for shearing strip material. 2,076,969; Apr. 13.
Signal Engineering & Manufacturing Company. (See Elbert, J. F., and Terjesen, assignors.)
Sigo, Arthur T., Maywood, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Recording system. 2,076,676; Apr. 13.
Silkman, Edwin F., Baltimore, Md. Toy vehicle. 2,077,274; Apr. 13.
Simard, Rodolphe J., Lynn, Mass. Air cooling system for pipe lines. 2,076,922; Apr. 13.
Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Unit operating device for a swinging and a sliding panel. 2,076,867; Apr. 13.
Sites, Robert L., South Orange, N. J., assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill. Air conditioning apparatus. 2,077,021; Apr. 13.
Sjolander, Gustaf, Midland, Mich. Combined bumper and jack. 2,077,275; Apr. 13.
Skenandoa Rayon Corporation. (See Bruggeman, Jean, assignor.)
Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 2,077,276; Apr. 13.
Smith, Carlisle F., Elmira, assignor, by mesne assignments to American-La France-Foamite Corporation. CO_2 extinguishing system. 2,077,158; Apr. 13.
Smith, Charles H., Cleveland, Ohio. Highway marker. 2,076,970; Apr. 13.
Smith, Donald L., Dunellen, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Pipe cutting or welding apparatus. 2,077,277; Apr. 13.
Smith, Elwyn P. (See Brown, R. S., and Smith.)
Smith, Merle A., Trenton, Mich. Burial method and means. 2,076,677; Apr. 13.
Smith, Philip A., Hamden, assignor to Winchester Repeating Arms Company, New Haven, Conn. Ammunition. 2,076,868; Apr. 13.
Smith, William B., Washington, D. C. Flow controlled device. 2,076,600; Apr. 13.
Smulski, Theodore J., assignor to The Anderson Company, Gary, Ind. Electrothermal indicating apparatus. 2,076,678; Apr. 13.
Snell, Samuel A., assignor to Nagole, Inc., Toledo, Ohio. Lever construction. 2,077,279; Apr. 13.
Snow, Isaac, Lawrence, assignor to Draper Corporation, Hopedale, Mass. Loom shuttle. 2,077,278; Apr. 13.
Snyder, Francis H., and S. F. M. Maclaren, assignors to Snyder Maclaren Processes, Inc., New York, N. Y. Reclaiming fiber from waste paper. 2,077,059; Apr. 13.
Snyder Maclaren Processes, Inc. (See Snyder, F. H., and Maclaren, assignors.)
Soabar Company. (See Thackeray, S. J., and Henry, assignors.)
Societe des Hauts Fourneaux de la Chiers. (See Ernould, Jules, assignor.)
Socony-Vacuum Oil Company. (See Davis, H. S., and Francis, assignors.)
Socony-Vacuum Oil Company. (See Francis, Alfred W., assignor.)
Soulis, Harold A., Detroit, Mich., and W. T. Soulis, Easton, Pa. Piston mold. 2,076,971; Apr. 13.
Soulis, Wilbur T. (See Soulis, Harold A. and W. T.)
Southern Kraft Corporation. (See Kondolf, Henry, assignor.)
Spahn, Emil., Zug, Switzerland, assignor to Landis & Gyr, A-G. Electrical switching mechanism. 2,076,923; Apr. 13.
Speiser, Maximilian, New York, N. Y. Razor. 2,077,076; Apr. 13.
Spencer, Meredith, Whittier, and J. R. Beauchamp, Pico, Calif., assignors to O. P. Yowell Service Company. Apparatus for the controlled placement of fluid in wells. 2,077,022; Apr. 13.
Sperry Gyroscope Company. (See Moseley, F. L., and Bird, assignors.)
Spicer Manufacturing Corporation. (See Petersen, Carl D., assignor.)
Spindler, Gustav, San Francisco, Calif., assignor to Spindler & Sauppe. Projector. 2,076,924; Apr. 13.
Spindler & Sauppe. (See Spindler, Gustav, assignor.)
Spira, Henry, New York, N. Y. Match booklet. 2,077,023; Apr. 13.
Spires, Krell E., Dayton, and M. C. Cosgray, Cincinnati, Ohio. Rotary dicer. 2,076,749; Apr. 13.
Spowers Research Laboratories, Inc. (See Fink, C. G., Kenny, and Hord, assignors.)
Sprang, George G., Shreve, Ohio. Mouse and rat trap bait clamp. 2,077,280; Apr. 13.
Squibb, E. R., & Sons. (See Christiansen, W. G., and Harris, assignor.)
Stablow, Thomas D. (See Polisso, James E., assignor.)
Staley, Frank L., assignor to E. F. Dow, Branford, Conn. Pressure valve and oiler. 2,077,191; Apr. 13.
Standard Oil Company, et al. (See Roberts, J. K., and Keith, assignors.)

Standard Oil Company. (See Watts, George W., assignor.)
Standard Stoker Company, The. (See Capps, Washington T., assignor.)
Standard Thermometer Inc. (See Adair, Thomas D., assignor.)
Standerwick, Reginald G. (See Warner, D. F., and Standerwick.)
Stanton, Warren F., Pawtucket, R. I. Fuel mixture control. 2,076,679; Apr. 13.
Steele, William C. (See Ballack, C. A., and Steele.)
Steen, Harford K., Newburgh, N. Y. Shopping bag. 2,076,680; Apr. 13.
Steigerwald, Christian. (See Ebel, F., and Steigerwald.)
Steinberg, Maurice B., Coney Island, assignor of one-half to I. Cohen, Brooklyn, N. Y. Adjustable waistband or belt. 2,076,925; Apr. 13.
Steinberger, Alfred J., Jamaica, N. Y., G. L. Bassett, and A. Blenenstein, Toledo, Ohio, assignors of one-half to Celluloid Corporation, and one-half to The Conklin Pen Company. Molding thermoplastic materials and product thereof. 2,076,796; Apr. 13.
Steiner, Louis, Brooklyn, N. Y. Dispensing device. 2,067,750; Apr. 13.
Steiner Sales Company. (See Birr, R. G., and Grunwald. assignors.)
Steinmayer, Alwin G., Milwaukee, assignor to Lime Material Company, South Milwaukee, Wis. Drop-out fuse construction. 2,076,681; Apr. 13.
Stern, Charles, Jersey City, assignor to Ardco Manufacturing Company, Hoboken, N. J. Lubricating device for railways. 2,077,077; Apr. 13.
Stetson, John B., Company. (See Healey, Charles J., assignor.)
Stevenson, Earl P. (See Carpenter, J. B., Jr., and Stevenson.)
Stevenson, John, Withee, Wis. Rotary plane. 2,077,281; Apr. 13.
Stewart, J. E. (See Hoban, Fairfield W., assignor.)
Stewart & McGuire. (See Hoban, Fairfield W.)
Stoltz, Charles E., assignor to Mancha Storage Battery Locomotive Company, Chicago, Ill. Power shovel. 2,077,159; Apr. 13.
Strange, Charles C. (See Pilblad, E. J., and Strange.)
Strickland, Silas A., Detroit, Mich. Grinding machine. 2,076,682; Apr. 13.
Strom, Albert P., Wilkinsburg, C. L. Denault, Forest Hills, and L. McCulloch, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical arc extinguishing and insulating material. 2,077,282; Apr. 13.
Strong, Arthur J., Highland Park, Mich. Lapping machine. 2,076,601; Apr. 13.
Strykes, Jacob A. (See Henning, Francis L., assignor.)
Sullivan Machinery Company. (See Noble, Warren, assignor.)
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Multiple interlocking fastener. 2,077,350; Apr. 13.
Super Radiator Corp. (See Bredeson, Albert O., assignor.)
Svendsen, Robert T., assignor of one-half to D. G. Chandler, Minneapolis, Minn. Boat propelling mechanism. 2,076,603; Apr. 13.
Svenska Aktiebolaget Gasaccumulator. (See Westberg, Karl E. E., assignor.)
Swartz, Guy E., Detroit, Mich. Lock for clamps and the like. 2,076,828; Apr. 13.
Swartz, Guy E., Detroit, Mich. Plurality clamping means. 2,076,829; Apr. 13.
Swenson Evaporator Company. (See Barnebl, August J., assignor.)
Synero Machine Company. (See Parvin, Edward G., assignor.)
Tamworth Associates, Inc. (See Levitt, William T., assignor.)
Tanner, James H., Kirribilli, near Sydney, and W. F. Tauner, Fivedock, near Sydney, Australia. Suction device. 2,077,024; Apr. 13.
Tanner, Robert R., assignor to Metal Finishing Research Corporation, Detroit, Mich. Making enameled metal articles. 2,076,869; Apr. 13.
Tanner, William F. (See Tanner, James H. and W. F.)
Taylor Chair Company, The. (See McLellan, H. N., and Balbach, assignors.)
Taylor Instrument Companies. (See Clarridge, Ralph E., assignor.)
Taylor Instrument Company. (See Hubbard, Karl H., assignor.)
Taylor Instrument Companies. (See Hubbard, K. H., and Mason, assignors.)
Taylor, James A., Portland, Maine. Core-end for paper-winding cores. 2,076,870; Apr. 13.
Taylor, John L., Milwaukee, Wis. Fluid supply. 2,076,797; Apr. 13.
Taylor, William I., and L. B. Gibbons, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of staple fiber yarns from continuous filaments. 2,077,283; Apr. 13.
Taylor, William I., F. C. Hale, and A. H. Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of staple fiber yarns from continuous filaments. 2,077,078; Apr. 13.
Taylor, William I., F. C. Hale, and A. H. Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of staple fiber yarns from continuous filaments. 2,077,079; Apr. 13.
Teeple, Charles P., Cambridge, Mass. Method of and apparatus for use in preparing metallic shreds. 2,076,798; Apr. 13.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bartels, H., and Friedrich, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bechmann, Rudolf, assignor.)
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Krueger, Ernst, assignor.)
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Michelssen, Fritz, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rechnitzer, Rudolf, assignor.)
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Richter, J., Hensel, and Hess, assignors.)
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
Teletype Corporation. (See Morgenstern, Oscar A., assignor.)
Teletype Corporation. (See Reiber, Albert H., assignor.)
Te Pas, Edmund J., Rocky River, assignor to W. A. Frantz, Cleveland Heights, Ohio. Automobile radio receiver. 2,077,284; Apr. 13.
Terjesen, Telief A. (See Ebert, J. F., and Terjesen.)
Ternstedt Manufacturing Company. (See Simpson, Emory G., assignor.)
Texas Company, The. (See Thurston, Robert R., assignor.)
Thackeray, Samuel J., and G. W. Henry, Jr., assignors to Soabar Company, Philadelphia, Pa. Tag. 2,077,285; Apr. 13.
Tharp, Harry L., Denver, Colo. Display sales kit. 2,076,683; Apr. 13.
Thewes, William O., Cleveland, assignor to The Ridge Tool Company, North Ridgeville, Ohio. Pipe wrench. 2,076,830; Apr. 13.
Thewes, William O., assignor to The Ridge Tool Company, North Ridgeville, Ohio. Threading die. 2,076,831; Apr. 13.
Thierfelder, Selbert, Sr., Boonton, N. J. Thread carrier. 2,076,751; Apr. 13.
Thomas, Frank W., St. Joseph, assignor to J. N. Cayo, Benton Harbor, Mich. Toy puzzle. 2,077,372; Apr. 13.
Thomas, George H., Erie, Pa. Flexible coupling. 2,076,752; Apr. 13.
Thomas, Idris, Whittier, Calif. By-pass joint for well testers. 2,076,684; Apr. 13.
Thomas, Norman M., Brooklyn, N. Y. Refrigerating apparatus. 2,077,025; Apr. 13.
Thomas, William B. (See Matteson, R. D., and Thomas.)
Thompson Manufacturing Company. (See Thompson, Walter Van E., assignor.)
Thompson, Walter Van E., assignor to Thompson Manufacturing Company, Los Angeles, Calif. Adjustable full circle sprinkler. 2,076,753; Apr. 13.
Thornton, Harold H., Brooklyn, N. Y. Nonrefillable bottle. 2,077,026; Apr. 13.
Thümmel, Hermann, Buenos Aires, Argentina. Apparatus for refining lead and more particularly for removing arsenic, antimony, tin, and zinc. 2,076,800; Apr. 13.
Thurmond, Gilbert L., Asheville, assignor to American Enka Corporation, Enka, N. C. Producing artificial silk. 2,076,801; Apr. 13.
Thurston, Harold E., et al. (See Chandler, Daniel L., assignor.)
Thurston, Robert R., Beacon, assignor to The Texas Company, New York, N. Y. Treatment of petroleum residumm. 2,076,799; Apr. 13.
Tibell, William A. E. (See Holgersson, S. P. H. E., and Tibell.)
Tigerman, J. H., Inc. (See Tigerman, Joseph H., assignor.)
Tigerman, Joseph H., assignor to J. H. Tigerman, Inc., Chicago, Ill. Free play device. 2,076,832; Apr. 13.
Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 2,077,134; Apr. 13.
Timmermann, August, New York, N. Y. Variable speed power drive. 2,076,926; Apr. 13.
Tinnerman, Albert H. (See Lombard, Herman G., assignor.)
Titus, Paul M. (See Moss, L. E., and Titus.)
Tolman, John A., Watertown, Mass. Fluid brake mechanism. 2,077,080; Apr. 13.
Tondreau, Albert W., Hollywood, and F. W. Gage, Beverly Hills, Calif., assignors to Warner Brothers Pictures, Inc., New York, N. Y. Film treating apparatus. 2,077,081; Apr. 13.
Tooley, Sam W., Montello, Nev. Antiskid device. 2,077,286; Apr. 13.
Torras, Joaquin V., Staten Island, N. Y. Container. 2,077,027; Apr. 13.
Toussaint, Walter J. (See Perkins, G. A., and Toussaint.)
Towner, Harold G., New Haven, Conn. Fuse for projectiles. 2,076,602; Apr. 13.
Townsend & Decker, et al. (See Carroll, Edward R., assignor.)
Tretolite Company, The. (See De Groote, Melvin, assignor.)
Tretolite Company, The. (See De Groote, M., and Keiser, assignors.)
Tretolite Company. (See De Groote, M., Keiser, Faure, and Wirtel, assignors.)
Tretolite Company. (See De Groote, M., and Wirtel, assignors.)

Tringham, William S. L., Surrey, England, assignor to Radio Corporation of America. Modulated carrier wave transmitter. 2,076,685; Apr. 13.
Tronnier, Albrecht W., Bad Kreuznach, assignor to the Corporation of Jos. Schneider & Co., Optotechnische Gesellschaft, Berlin, Germany. Photographic objective. 2,076,686; Apr. 13.
Tucker, Perry, Houghton, N. Y. Fish and crab trap. 2,076,972; Apr. 13.
Turner, Albert J. (See Kittredge, H. G., and Turner.)
Tuttle, Malcolm H., New Rochelle, assignor to Max B. Miller & Co., Inc., New York, N. Y. Joint production of plurality of good-oil fractions from mineral oil. 2,077,287; Apr. 13.
Twin Disc Clutch Company. (See Pearmain, William J., assignor.)
Tyler, W. S., Company, The. (See Parsons, James B., assignor.)
U. M. A. Inc. (See Collens, William S., assignor.)
Union Asbestos & Rubber Company. (See O'Connor, Arthur F., assignor.)
Union Carbide and Carbon Corporation. (See Perkins, G. A., and Toussaint, assignors.)
Union Carbide and Carbon Corporation. (See Young, Lloyd W., assignor.)
Union Special Machine Company. (See Nelson, Carl O., assignor.)
Union Switch & Signal Company, The. (See Beall, Charles R., assignor.)
Union Switch & Signal Company, The. (See Livingston, John W., assignor.)
Union Switch & Signal Company, The. (See McWhirter, W. C., and Little, assignors.)
Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)
Union Switch & Signal Company, The. (See Witmer, Harold G., assignor.)
Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
United American Bosch Corporation. (See Eastman, L. E., and Knudson, assignors.)
United-Carr Fastener Corporation. (See Anderson, Warren C., assignor.)
United-Carr Fastener Corporation. (See Atkinson, Ralph L., assignor.)
United-Carr Fastener Corporation. (See Chaffee, Raymond O., assignor.)
United-Carr Fastener Corporation. (See Dyresen, Didrick, assignor.)
United-Carr Fastener Corporation. (See Jones, Walter I., assignor.)
United Engineering & Foundry Company. (See Sieger, Maurice P., assignor.)
United Research Corporation. (See Ross, Ernest, assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
United Shoe Machinery Corporation. (See French, John W., assignor.)
United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
U. S. Manufacturing Corporation. (See Shafter, Adolph F., assignor.)
United States Rubber Products, Inc. (See Lewis, Harry F., assignor.)
Universal Insulation Company. (See Labus, O. A., and Mohr, assignors.)
Universal Oil Products Company. (See Behrens, Fred R., assignor.)
Universal Oil Products Company. (See Johnston, Charles L., assignor.)
Universal Oil Products Company. (See Mekler, Lev A., assignor.)
Universal Oil Products Company. (See Minkema, William H., assignor.)
Unlandherm, John H. (See Caccia, Walter, assignor.)
Utah Radio Products Company. (See Bertschi, Jacob, assignor.)
Uyterhoeven, Willem, M. van Dam, C. Verburg, and J. Bruijnes, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,076,754; Apr. 13.
Van Dam, Martinus. (See Uyterhoeven, W., van Dam, Verburg, and Bruijnes.)
Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Abrasive wheel. 2,077,345; Apr. 13.
Van der Waals, Hendrik G., Arnhem, Netherlands, assignor to American Enka Corporation. Spinning and winding artificial silk filaments. 2,076,802; Apr. 13.
Van Geel, Willem C. (See de Boer, J. H., and van Geel.)
Van Nuland, John. (See Bouma, Wikke, assignor.)
Van Slooten, Jacob, Eindhoven, Netherlands, assignor to Radio Corporation of America. Noise suppressor circuit. 2,076,803; Apr. 13.
Verburg, Cornelis. (See Uyterhoeven, W., van Dam, Verburg, and Bruijnes.)
Vogel, Leo J., South Hills, Pittsburgh, Pa. Pulley construction. 2,076,687; Apr. 13.
Volkmann, Ernest W. (See Rhodes, E. O., Volkmann, and Barker.)
Von Ardenne, Manfred, Berlin, Germany. Method of and arrangement for receiving short waves. 2,077,289; Apr. 13.
Von Ardenne, Manfred, Berlin, Germany. Method of and arrangement for receiving short waves. 2,077,290; Apr. 13.
Von Ardenne, Manfred, and S. Loewe, Berlin, Germany, said von Ardenne assignor to Radioaktiengesellschaft, D. S. Loewe, Berlin-Staglitz, Germany. Cathode ray tube. 2,077,288; Apr. 13.
Von Dobeneck, Paul. (See Laquer, F., and von Dobeneck.)
Voohoeve, Nicolans A. J. (See Klinkhamer, H. A. W., Lamberts, Voorhoeve, and de Jong.)
Voskamp, John B., Pittsburgh, Pa. Method and apparatus for drying material. 2,077,346; Apr. 13.
Wagner, Charley L. (See Abrams, A., Wagner, and Davis.)
Wagner, Charley L. (See Abrams, A., Wagner, and Forcey.)
Walker, Brooks, Piedmont, Calif. Door locking mechanism. 2,077,135; Apr. 13.
Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge device. 2,076,755; Apr. 13.
Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge device. 2,076,756; Apr. 13.
Walls, Richard E., Youngstown, Ohio. Curtain stretcher. 2,077,291; Apr. 13.
Wardwell Braiding Machine Company. (See Bardsley, Willard W., assignor.)
Warner Bros. Pictures, Inc. (See Gelb, Robert L., assignor.)
Warner Brothers Pictures, Inc. (See Tondreau, A. W., and Gage, assignors.)
Warner, Donald F., Lynn, and R. G. Standerwick, Marblehead, Mass., assignors to General Electric Company. Emergency speed governor. 2,077,192; Apr. 13.
Waselge, Charles R., Ruell, France, assignor to Eclipse Aviation Corporation, East Orange, N. J. Centrifugal clutch. 2,077,292; Apr. 13.
Wash Company. (See Hobbis, William T., assignor.)
Watkins, Charles W. (See Loose, K. D., Watkins, and Green.)
Watson, John M., New York, N. Y., assignor to Padco Inc. Cleaning pad. 2,076,604; Apr. 13.
Watts, George W., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Pipe heater. 2,076,871; Apr. 13.
Waukesha Motor Company. (See Pope, Arthur W., Jr., assignor.)
Weaver, William C., Dalmatia, Pa. Lathe center. 2,077,293; Apr. 13.
Weber, John G., Pittsburgh, Pa., assignor to Screw Machine Specialty Company. Firearm. 2,076,927; Apr. 13.
Webster, Duane E., assignor to Norton Company, Worcester, Mass. Abrasive article. 2,076,833; Apr. 13.
Wedlake, Armin F., Detroit, Mich. Device for measuring camber and caster in wheel and axle mechanisms. 2,077,082; Apr. 13.
Weeks & Co. (London) Limited. (See Crouet, Jean, assignor.)
Weil, John, Mansfield, Ohio. Mop wringer. 2,077,083; Apr. 13.
Wente, Edward C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording system. 2,077,193; Apr. 13.
Werner, Wilhelm. (See Wolff, P., and Werner.)
West, Frank R., Detroit, Mich. Bolt and chain lock. 2,076,605; Apr. 13.
West, Frank R., Detroit, Mich. Washing apparatus. 2,076,688; Apr. 13.
Westberg, Karl E. E., assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Oxygen valve. 2,076,757; Apr. 13.
Westinghouse Air Brake Company, The. (See Franklin, Philip, assignor.)
Westinghouse Electric & Manufacturing Company. (See Davies, James A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Harrison, George O., assignor.)
Westinghouse Electric and Manufacturing Company. (See Linder, John A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lingal, H. J., and Leeds, assignors.)
Westinghouse Electric & Manufacturing Company. (See Sleplan, Joseph, assignor.)
Westinghouse Electric and Manufacturing Company. (See Strom, A. P., Denault, and McCulloch, assignors.)
West Virginia Rail Company, The. (See Diehl, Herman H., assignor.)
White, Alexander R., Mimico, Ontario, assignor to Deodor-X Company of Canada Limited, Montreal, Quebec, Canada. Deodorizing composition. 2,077,060; Apr. 13.
White, Everett H., St. Paul, Minn. Oil burner control. 2,077,294; Apr. 13.
White, Herbert E., Lakewood, Ohio, assignor to Wire Fabric Corporation. Metal fabric making machine. 2,077,061; Apr. 13.

Whitin, Paul, Manufacturing Company. (See Owler, Albert J., assignor.)
Whiting, William A., Los Angeles, Calif., assignor to American Concrete and Steel Pipe Company. Lifting and tipping band. 2,076,758; Apr. 13.
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Time delay device for automatic switches. 2,077,295; Apr. 13.
Wiggin, Dana L., Southbridge, assignor to A. E. Leon, Belmont, Mass. Loom shuttle. 2,077,136; Apr. 13.
Wilkening Manufacturing Company. (See Platt, Haviland H., assignor.)
Wilkes Avery Corporation. (See Wilkes, Gilbert, assignor.)
Wilkes, Gilbert, Jacksonwald, Pa., assignor to Wilkes Avery Corporation, New York, N. Y. House temperature controlling apparatus. 2,077,296; Apr. 13.
Wilkoff, Arthur E., Niles, Ohio, assignor to Youngstown Steel Car Corporation. Tunnel liner. 2,077,137; Apr. 13.
Wilkoff, Arthur E., Youngstown, Ohio, assignor to Youngstown Steel Car Corporation. Tunnel liner. 2,077,351; Apr. 13.
Williams, Herman H., assignor to Northrup, King & Company, Minneapolis, Minn. Display tray. 2,076,690; Apr. 13.
Williams, James B., Minden, La. Automatic control and electric ignition for gas burners. 2,077,297; Apr. 13.
Williams, James N., Pasadena, Calif. Melting kettle. 2,076,689; Apr. 13.
Wilson & Co. (See Robinson, A. A., and Dormitzer, assignors.)
Wilson, Henry D., Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio transmitter. 2,077,160; Apr. 13.
Wilson, Irwin H. (See Kelly, H. L., and Wilson.)
Wilson, Randall A., Roseville, Calif. Hand tool. 2,076,973; Apr. 13.
Winchester Repeating Arms Company. (See Smith, Philip A., assignor.)
Winding, Ove K., New York, N. Y. Propel scooter. 2,076,804; Apr. 13.
Wine, Albert, Glendale, Calif. Faucet. 2,076,805; Apr. 13.
Winter, Martin, New York, N. Y. Carburetor. 2,076,606; Apr. 13.
Winther, Anthony, Kenosha, assignor to M. P. Winther, Waukegan, Ill., as trustee. Vehicular transmission system. 2,077,194; Apr. 13.
Winther, Martin P., trustee. (See Winther, Anthony, assignor.)
Winthrop Chemical Company. (See Freedman, Louis, assignor.)
Winthrop Chemical Company. (See Hees, Emil, assignor.)
Winthrop Chemical Company. (See Laquer, F., and von Dobeneck, assignors.)
Winthrop Chemical Company. (See Mietzsch, F., and Mauss, assignors.)
Wire Fabric Corporation. (See White, Herbert E., assignor.)
Wired Radio, Inc. (See Laport, Edmund A., assignor.)
Wirtel, Arthur F. (See De Groote, M., Keiser, Faure, and Wirtel.)
Wirtel, Arthur F. (See De Groote, M., and Wirtel.)
Wiseman, Phillip K. (See Langley, Carl H., assignor.)
Wissl, Nestor L., Detroit, Mich., assignor to The Worth Company. Car loading device. 2,077,084; Apr. 13.
Witherly, William C., Vancouver, British Columbia, Canada. Sash lock. 2,077,138; Apr. 13.
Witmer, Harold G., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit controlling instrument. 2,076,928; Apr. 13.
Wobber, Herman. (See Miller, A. M., and McLean, assignors.)
Wolff, Paul, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Polymethine dyestuffs and preparing them. 2,077,063; Apr. 13.
Wolff, Paul, and W. Werner, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo-dyestuffs insoluble in water and fiber dyed therewith. 2,077,062; Apr. 13.
Woodhouse, John C., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Color removal. 2,076,607; Apr. 13.
Woodruff, Alfred H. (See Taylor, W. I., Hale, and Woodruff.)
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Container for container cars. 2,076,608; Apr. 13.
Worth Company, The. (See Wissl, Nestor L., assignor.)
Wszolek, Jakub, Barnesboro, Pa. Valve spring raising device. 2,076,834; Apr. 13.
Young, David H., assignor to Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa. Knitting apparatus. 2,076,929; Apr. 13.
Young, George H., Oak Park, Ill. Refrigerator. 2,076,835; Apr. 13.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,076,930; Apr. 13.
Young, L. A., Spring and Wire Corporation. (See Leal, Hugh, assignor.)
Young, Lloyd W., Scotch Plains, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Electric blowpipe lighter. 2,076,691; Apr. 13.
Youngstown Steel Car Corporation. (See Wilkoff, Arthur E., assignor.)
Yowell, O. P., Service Company. (See Spencer, M., and Beauchamp, assignors.)
Zahodiakin, Victor F., New York, N. Y. Nondetonating engine. 2,077,085; Apr. 13.
Zelger, George E., Montreuil sous Bois Seine, France, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Extraction of halogen from fluids. 2,077,298; Apr. 13.
Zero Hour Torpedo Company. (See Bleecker, Warren F., assignor.)
Zerweck, Werner, and E. Albrecht, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Indigoid vat dyestuff. 2,076,872; Apr. 13.
Zuschlag, Theodor, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Magnetic analysis method. 2,077,161; Apr. 13.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adhesive and making same. E. F. Christopher. 20,326; Apr. 13.
Adjuster, Mechanical. E. C. Deal. 20,327; Apr. 13.
Box construction. C. L. Claff. 20,332; Apr. 13.
Coupling, Flexible. A. L. Lee. 20,329; Apr. 13.
Ironing machine. J. W. Racklyeft. 20,331; Apr. 13.
Keyboard mechanism for telegraph apparatus. S. Morton. 20,330; Apr. 13.
Pressers, Operating mechanism for. N. L. Etten. 20,328; Apr. 13.
Towel dispenser, Paper. J. C. Perrin. 20,333; Apr. 13.

LIST OF PLANT INVENTIONS

Rose. J. A. Armstrong. 243; Apr. 13.
Rose. J. A. Armstrong. 244; Apr. 13.

LIST OF DESIGN INVENTIONS

Air circulator. R. D. Budlong. 104,060; Apr. 13.
Airplane. E. S. Kleinhans. 104,110; Apr. 13.
Airplane. S. I. Molicki. 104,079; Apr. 13.
Airplane model. S. I. Molicki. 104,078; Apr. 13.
Automobile. A. E. Northup. 104,081; Apr. 13.
Block, Hollow glass building. W. P. Zimmerman. 104,127; Apr. 13.
Bottle or similar article. H. S. Frankenstein. 104,023; Apr. 13.
Box or similar container. D. Bensel. 104,059; Apr. 13.
Bridge and brace for an ophthalmic mounting, Combined. S. E. Bouchard. 104,016; Apr. 13.
Brush, Face. J. Gray. 104,029; Apr. 13.
Buckle. S. S. Kestin. 104,038; Apr. 13.
Cabinet, Display. L. R. Wieslander. 104,126; Apr. 13.
Cabinet, Radio receiver. J. R. Morgan. 104,080; Apr. 13.
Case, Clock. J. M. Bars. 104,011–12; Apr. 13.
Case, Clock. J. P. Rainbault. 104,046–9; Apr. 13.
Case, Timer. J. M. Bars. 104,013; Apr. 13.
Casing and bracelet therefor, Combined wrist watch. J. R. Graef. 104,099; Apr. 13.
Casing and support therefor, Combined ventilator. G. L. Schwarz. 104,118; Apr. 13.
Casing or similar article, Ventilator. A. Friedman. 104,096; Apr. 13.
Casing or similar article, Ventilator. G. L. Schwarz. 104,119; Apr. 13.
Container, Sachet. P. H. Ganz. 104,098; Apr. 13.
Corset. H. H. McGee. 104,114; Apr. 13.
Cover, Box. M. H. Connor. 104,019; Apr. 13.
Cover, Radiator. S. T. Liem. 104,076; Apr. 13.
Covering, Chair seat. John Perona and Joseph Perona. 104,045; Apr. 13.
Deodorizer, Toilet bowl. E. A. Miller. 104,077; Apr. 13.
Drawer pull. D. A. Morand. 104,042; Apr. 13.
Dress. B. Alper. 104,084; Apr. 13.
Dress. E. Cutler. 104,093; Apr. 13.
Dress. M. Michelson. 104,115; Apr. 13.
Dress. W. G. Steinman. 104,120; Apr. 13.
Dress ensemble. J. Bowdan. 104,088–91; Apr. 13.
Dress ensemble. A. Guzy. 104,100; Apr. 13.
Emblem. J. A. Thebault. 104,122; Apr. 13.
Emblem or similar article, Framed. V. T. Howard. 104,106; Apr. 13.
Fabric or similar article of manufacture, Textile. J. F. Gaul, Jr. 104,026–8; Apr. 13.
Fabric, Textile. R. J. Krause. 104,112; Apr. 13.
Fabric, Woven. W. Teres. 104,057; Apr. 13.
Fan, Electric. J. L. Hamilton. 104,064; Apr. 13.
Ferrule for household utensil handles and the like. C. R. T. Hess. 104,066; Apr. 13.
Ferrule for household utensil handles and the like. C. R. T. Hess. 104,102–5; Apr. 13.
Filter and cooler, Combined air. J. C. Austin. 104,085; Apr. 13.
Frame, Spectacle. W. A. Blocker. 104,014–15; Apr. 13.
Gilet. E. Baruch. 104,086; Apr. 13.
Glove. K. Fuchs. 104,063; Apr. 13.
Glove. W. S. Hatch. 104,101; Apr. 13.
Golf putter head. W. McCulla. 104,041; Apr. 13.
Hair waving machine. F. O. Conill. 104,092; Apr. 13.
Handbag. D. Lewis. 104,069–70; Apr. 13.
Handbag. D. Lewis. 104,072–3; Apr. 13.
Handbag. D. Lewis. 104,075; Apr. 13.
Handbag, Straw. D. Lewis. 104,068; Apr. 13.
Handbag, Straw. D. Lewis. 104,071; Apr. 13.
Handbag, Straw. D. Lewis. 104,074; Apr. 13.
Handle for kitchen utensils or similar articles. C. R. T. Hess. 104,065; Apr. 13.
Handle for kitchen utensils or similar articles. M. J. Zimmer. 104,082–3; Apr. 13.
Handwheel. M. W. Link. 104,113; Apr. 13.
Inclinometer. A. E. Ward. 104,124–5; Apr. 13.
Lamp. E. A. Koch. 103,039; Apr. 13.
Lamp door and lens, Combined. J. Agramonte, H. A. Shaw, and E. Anderson. 104,009; Apr. 13.
Lamp, Portable. B. A. Dickerson. 104,094; Apr. 13.
Lamp, Wall bracket. E. Kanter. 104,033–7; Apr. 13.
Link, Mat. A. S. Galkin. 104,097; Apr. 13.
Mask, Gas. E. W. Bullard. 104,061; Apr. 13.
Mixer, Concrete. J. P. Faber. 104,062; Apr. 13.
Nail, Decorative. B. Salzberg. 104,117; Apr. 13.
Opener, Furrow. E. M. Cole. 104,018; Apr. 13.
Ornament, Shoe. L. Alterson. 104,010; Apr. 13.
Pedestal and housing for dispensing apparatus, Combined lamp. W. M. Hutchison. 104,032; Apr. 13.
Piano or similar article. J. L. Krasnick. 104,040; Apr. 13.
Pipe, Tobacco. M. M. Warner. 104,058; Apr. 13.
Rack for bread or similar article. E. R. Erickson. 104,021; Apr. 13.
Range, Cooking. J. A. Underwood. 104,123; Apr. 13.
Reflector. A. Gunsbourg. 104,030; Apr. 13.
Shingle, Strip. J. R. Fife. 104,095; Apr. 13.
Shoe. H. M. Edelstein. 104,020; Apr. 13.
Shoe. N. Hutchinson. 104,108; Apr. 13.
Shoe or similar article. L. Sholtz. 104,050–56; Apr. 13.
Shroud, Automobile exhaust. L. A. Koch, Jr. 104,111; Apr. 13.
Stand, Desk. B. R. Lewis. 104,067; Apr. 13.
Stand for bottles or the like, Display. F. C. Taylor. 104,121; Apr. 13.
Stand, Telephone desk. H. E. Billington. 104,087; Apr. 13.
Statuette or similar article. J. Miller. 104,116; Apr. 13.
Sweeper, Carpet. H. W. Gussack. 104,031; Apr. 13.
Telephone set, Wall. N. A. Judson and M. Rose. 104,109; Apr. 13.
Tire. L. L. Clayton. 104,017; Apr. 13.
Top, Toy. E. A. Ford. 104,022; Apr. 13.
Toy animal. F. R. and A. A. Frederick. 104,024–5; Apr. 13.
Watchcase. D. Ornstein. 104,043–4; Apr. 13.
Wheel. J. H. Hunt and H. J. Horn. 104,107; Apr. 13.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading tool. J. B. Hadaway. 2,076,776; Apr. 13.
Abrasive article. D. E. Webster. 2,076,833; Apr. 13.
Abrasive body and making the same. L. H. Milligan. 2,077,366; Apr. 13.
Abrasive wheel. E. Van der Pyl. 2,077,345; Apr. 13.
Accounting machine, Perforated card controlled. H. H. Keen. 2,076,727; Apr. 13.
Accumulating and printing device. E. J. Rabenda. 2,076,743; Apr. 13.
Acid, Manufacture of hydrocyanic. B. S. Lacy. 2,076,953; Apr. 13.
Acoustic device. H. C. Harrison. 2,077,170; Apr. 13.
Acoustic sounding apparatus, Electro. G. G. Jacquet and R. E. Badin. 2,076,724; Apr. 13.
Acridine compounds, Basically substituted. F. Mietzsch and H. Mauss. 2,077,249; Apr. 13.
Acylaminoaryl phenylcinchoninates and the preparation thereof. W. G. Christiansen and S. E. Harris. 2,076,706; Apr. 13.
Advertising apparatus, Luminous. G. W. Kent. 2,077,111; Apr. 13.
Agricultural implement. W. F. Mathes. 2,076,958; Apr. 13.
Agitator for stoker hoppers. O. A. Larsen. 2,076,851; Apr. 13.
Aileron. W. K. Rose. 2,077,072; Apr. 13.
Air conditioning apparatus. R. D. Matteson and W. B. Thomas. 2,076,660–1; Apr. 13.
Air conditioning apparatus. R. L. Sites. 2,077,021; Apr. 13.
Air cooling system for pipe lines. R. J. Simard. 2,076,922; Apr. 13.
Air, De-vaporizing compressed. S. E. T. Ewing and A. L. Egan. 2,077,315; Apr. 13.
Airplane. W. K. Rose. 2,077,070–1; Apr. 13.
Airplane landing field using directional radio beams. E. F. W. Alexanderson and J. H. Hammond, Jr. 2,077,196; Apr. 13.
Alarm. C. L. Schroeder. 2,077,075; Apr. 13.
Alkali-cellulose, Preliminary maturing of. R. Brandes. 2,077,164; Apr. 13.
Alloy and producing ferrous alloy, Ferrous. C. F. Lausenstein. 2,077,116–7; Apr. 13.
Alloys, Free cutting. L. W. Kempf and W. A. Dean. 2,076,567–80; Apr. 13.
Alloy, Hard metal. J. Hinnüber. 2,077,239; Apr. 13.
Alloys, Production of hard metal. A. Kratky. 2,076,952; Apr. 13.
Ammunition. P. A. Smith. 2,076,868; Apr. 13.
Anchor. J. E. Clement. 2,077,166; Apr. 13.
Antiskid device. S. W. Tooley. 2,077,286; Apr. 13.
Antislippage attachment. C. S. Comstock. 2,076,708; Apr. 13.
Aralkyl ethers of cellulose, Preparation of. E. J. Lorand. 2,077,066; Apr. 13.
Aryl phenylcinchoninates and the preparation thereof. W. G. Christiansen and S. E. Harris. 2,076,707; Apr. 13.
Assorting machine. F. M. Carroll. 2,076,705; Apr. 13.
Attaching clip. W. B. Kamen. 2,076,726; Apr. 13.
Automatic landing gear. A. G. Mirel. 2,077,178; Apr. 13.
Automobile license plate holder. W. F. A. Buehner. 2,077,142; Apr. 13.
Automobile testing mechanism. R. Atti and D. J. Hayes. 2,076,759; Apr. 13.
Azo dyestuffs. H. Schindhelm and M. Schubert. 2,076,921; Apr. 13.
Azodyestuffs for esters of cellulose and azodyestuffs obtained therefrom, Manufacture of. D. Hatt. 2,077,322; Apr. 13.
Azo-dyestuffs insoluble in water and fiber dyed therewith. P. Wolff and W. Werner. 2,077,062; Apr. 13.
Bag: *See*—
Shopping bag.
Bait. T. Darby. 2,077,311; Apr. 13.
Balances, Apparatus for tuning. A. F. Poole. 2,077,008; Apr. 13.
Ball winding machine. H. N. Hnse. 2,076,565; Apr. 13.
Band, Lifting and tipping. W. A. Whiting. 2,076,758; Apr. 13.
Barrel, Metal. H. Merker. 2,076,585; Apr. 13.
Barrel, Nonrefillable. R. C. Brushe. 2,077,210; Apr. 13.
Battery testing apparatus, Storage. B. F. W. Heyer. 2,076,639; Apr. 13.
Bearing: *See*—
Disk harrow bearing.
Bed attachment. H. L. Kelly and. I. H. Wilson. 2,077,328; Apr. 13.
Bed, Rocking swinging. C. E. Sharp. 2,076,675; Apr. 13.
Beer dispenser. A. E. Johnson. 2,076,893; Apr. 13.
Binder and making and using the same, Soluble silicate. N. P. Pitt and A. F. Gill. 2,077,258; Apr. 13.
Bit: *See*—
Well bit.
Bleaching process. E. Franz. 2,077,103; Apr. 13.
Blood, Producing liquid evaporated. A. A. Robinson and H. C. Dormitzer. 2,076,597; Apr. 13.
Board: *See*—
Drafting board.
Board for demonstrating certain economic facts, Econometer display. C. L. Conley. 2,077,214; Apr. 13.
Boat propelling mechanism. R. T. Svendsen. 2,076,603; Apr. 13.
Boat structure. L. R. Lueck. 2,076,957; Apr. 13.
Bobbin cleaning machine. A. J. Owler. 2,077,127; Apr. 13.
Body suspension for vehicles of all kinds. J. Kolbe. 2,076,786; Apr. 13.
Boiler cleaner. F. W. Linaker. 2,076,737; Apr. 13.
Bolt and chain lock. F. R. West. 2,076,605; Apr. 13.
Bomb. W. F. Bleecker. 2,076,613; Apr. 13.
Book end and like supports. F. D. Farr. 2,076,941; Apr. 13.
Boring apparatus. J. W. French. 2,076,767; Apr. 13.
Bottle, Non-refillable. A. E. Reed. 2,076,668; Apr. 13.
Bottle, Nonrefillable. H. H. Thornton. 2,077,026; Apr. 13.
Bottle, Siphon. G. J. Meyer. 2,077,052; Apr. 13.
Bow forming apparatus. R. K. Reynolds. 2,077,370; Apr. 13.
Box: *See*—
Control box. Folding box.
Braiding machine. W. W. Bardsley. 2,077,201; Apr. 13.
Brake: *See*—
Locomotive driver brake. Vacuum oil brake.
Brake. V. Bendix. 2,076,538; Apr. 13.
Brake actuating mechanism. C. A. Sawtelle. 2,076,965; Apr. 13.
Brake locking device for motor vehicles. E. J. Pilblad and C. C. Strange. 2,076,963; Apr. 13.
Brake mechanism. A. F. O'Connor. 2,077,256; Apr. 13.
Brake mechanism, Fluid. J. A. Tolman. 2,077,080; Apr. 13.
Braun tube. K. Schlesinger. 2,077,270–2; Apr. 13.
Breathing apparatus. J. B. Dym. 2,077,313; Apr. 13.
Brick, Producing a dolomite. J. Ernould. 2,076,884; Apr. 13.
Brick, Producing a lime. J. Ernould. 2,076,883; Apr. 13.
Bricklayer's apparatus. R. Galbraith. 2,076,534; Apr. 13.
Broken axle extractor. J. K. Schaefer. 2,077,268; Apr. 13.
Buffing mechanism. A. E. Dentler. 2,076,769; Apr. 13.
Building construction. S. P. Brown. 2,076,877; Apr. 13.
Building construction unit. F. M. Harpham. 2,076,989; Apr. 13.
Building material and making the same. W. Byers. 2,077,094; Apr. 13.
Building structure. H. H. Keller. 2,076,728; Apr. 13.
Bumper and jack, Combined. G. Sjolander. 2,077,275; Apr. 13.
Bumper, Automobile safety. N. L. Johnson. 2,077,110; Apr. 13.
Burial method and means. M. A. Smith. 2,076,677; Apr. 13.
Burner: *See*—
Lantern burner. Oil burner.
Burner control, Oil. E. H. White. 2,077,294; Apr. 13.
Burner control system. B. E. Shaw. 2,076,967–8; Apr. 13.
Burner system with intermittent ignition, Modulating oil. F. S. Denison. 2,076,768; Apr. 13.
Bushings, Apparatus for making circular. J. C. Lemming. 2,077,335; Apr. 13.
Bushings, Apparatus for forming circular. J. C. Lemming. 2,077,336; Apr. 13.
Button, Plug. R. C. Chaffee. 2,077,355; Apr. 13.
Buttons and the like, Finishing. R. L. Atkinson. 2,077,302; Apr. 13.
Buttons, Making nut. W. C. Anderson. 2,077,352; Apr. 13.
Cable clamp. H. Creager. 2,077,222; Apr. 13.
Cable, Reenforced flexible electric. J. Pombo. 2,076,667; Apr. 13.
Cage for ball bearings. R. F. Runge. 2,076,920; Apr. 13.
Cage for banks and the like, Bulletproof. F. J. Plym. 2,077,055; Apr. 13.
Cage for workmen, Safety. C. L. Deckard. 2,076,810; Apr. 13.

Calculating machine. R. L. Muller. 2,077,180; Apr. 13.
Camber and caster in wheel and axle mechanisms, Device for measuring. A. F. Wedlake. 2,077,082; Apr. 13.
Cameras, projectors, and the like, Automatic focusing device for copying. R. H. Draeger and H. F. Bennett. 2,076,552; Apr. 13.
Candle, Artificial. C. U. Grundman. 2,077,107; Apr. 13.
Cap, Pile driving. J. M. Dolan. 2,076,983; Apr. 13.
Capping machinery. H. E. Gantzer. 2,076,631; Apr. 13.
Caps, Apparatus for making bottle. C. A. MacCordy. 2,076,906; Apr. 13.
Car construction. D. Hindahl. 2,076,843; Apr. 13.
Car, Dump. R. E. Cartsdafner. 2,077,354; Apr. 13.
Car loading device. N. L. Wissi. 2,077,084; Apr. 13.
Car retarder and switch control system for car retarder yards, Combined. J. W. Livingston. 2,076,955; Apr. 13.
Carbon, Deaerating granules of active. H. A. Ingols and P. F. Pie, Jr. 2,076,646; Apr. 13.
Carbonaceous materials and product, Treating. H. A. Ingols and P. F. Pie, Jr. 2,076,645; Apr. 13.
Carbureting apparatus. W. E. Leibing and R. D. Fageol. 2,076,788; Apr. 13.
Carburetor. M. Winter. 2,076,606; Apr. 13.
Card interpreter, Perforated. E. A. Ford. 2,076,713; Apr. 13.
Carding machine. E. L. Cady. 2,077,095; Apr. 13.
Carrier: *See*—
Conveyer current carrier. Thread carrier.
Carrier system, Variable. E. A. Laport. 2,076,787; Apr. 13.
Carrier wave transmitter, Modulated. W. S. L. Tringham. 2,076,685; Apr. 13.
Carton. H. E. Klohr and S. Koslow. 2,077,046; Apr. 13.
Carton and blank for forming the same. H. Kondolf. 2,077,047; Apr. 13.
Case: *See*—
Hypodermic outfit case.
Cathode, Incandescent. J. Richter, B. Hensel, and K. Hess. 2,076,671; Apr. 13.
Cathode ray tube. M. von Ardenne and S. Loewe. 2,077,288; Apr. 13.
Cell construction for roofed vehicles. T. M. Prudden. 2,077,262; Apr. 13.
Cellulose product. A. Hoche. 2,076,817; Apr. 13.
Cellulose xanthate solutions, Preparation of. G. A. Richter. 2,076,594; Apr. 13.
Cellulose xanthate solutions, Preparation of. G. A. Richter. 2,076,596; Apr. 13.
Cellulosic derivative and making the same. R. E. Fothergill. 2,076,555; Apr. 13.
Center indicator. E. R. Jones. 2,076,819; Apr. 13.
Centrifugal clutch. C. R. Waselge. 2,077,292; Apr. 13.
Chains, Device for putting on skid. J. R. Johnson. 2,076,894; Apr. 13.
Chains, Traction tread. G. V. Lancaster. 2,076,652; Apr. 13.
Chair. H. N. McLellan and G. C. Balbach. 2,077,067; Apr. 13.
Chair balance, Baby. E. J. Klemm, Jr. 2,077,113; Apr. 13.
Chance device. J. F. Robertson. 2,077,010; Apr. 13.
Charcoal, Apparatus for revivifying. B. M. Johnson. 2,076,647; Apr. 13.
Chart quantity indication, Record. C. W. La Pierre. 2,077,242; Apr. 13.
Cheese, Packaging. A. Abrams, C. L. Wagner, and B. F. Davis. 2,077,300–01; Apr. 13.
Cherry cutting apparatus. G. D. Gardner. 2,076,942; Apr. 13.
Chlorine, Purifying. R. E. Cushing. 2,077,310; Apr. 13.
Chromates, Manufacture of. J. B. Carpenter, Jr., and E. P. Stevenson. 2,077,096; Apr. 13.
Chronological instrument. M. Knobel. 2,077,115; Apr. 13.
Chucking machine. R. S. Brown and E. P. Smith. 2,077,093; Apr. 13.
Circuit, Automatic gain control. H. Bartels and H. Friedrich. 2,077,139; Apr. 13.
Circuit breaker. R. A. Crook. 2,076,981; Apr. 13.
Circuit controlling instrument. H. G. Witmer. 2,076,928; Apr. 13.
Circuit interrupter. H. J. Lingal and W. M. Leeds. 2,077,338; Apr. 13.
Circuit interrupter. J. Sleplan. 2,077,276; Apr. 13.
Circuit, Noise suppressor. J. van Slooten. 2,076,803; Apr. 13.
Circuit, Tuning selectivity control. P. O. Farnham. 2,076,812; Apr. 13.
Circular loom. W. Pool. 2,076,792; Apr. 13.
Clamp: *See*—
Cable clamp. Trap bait clamp.
Heel clamp.
Clamping means, Plurality. G. E. Swartz. 2,076,829; Apr. 13.
Cleaner: *See*—
Boiler cleaner. Vacuum cleaner.
Cotton cleaner.
Cleaning apparatus. E. H. Martindale and L. F. Forseille. 2,076,098; Apr. 13.
Cleaning furnace tube. C. L. Johnston. 2,076,847; Apr. 13.
Cleaning pad. J. M. Watson. 2,076,604; Apr. 13.
Clip: *See*—
Attaching clip.
Clipper, Hair. J. W. Boerger. 2,077,034; Apr. 13.
Clock, Alarm. B. E. Lawrence. 2,076,733; Apr. 13.
Clock, Electric. A. F. Poole. 2,077,007; Apr. 13.
Closure bolting and locking means. H. H. Kistner. 2,076,897; Apr. 13.
Closure, Collapsible tube. P. Reinsberg. 2,076,826; Apr. 13.
Closure, Container. J. Gutmann. 2,077,235; Apr. 13.
Closure, Specialized jar or bottle. A. G. Jedlicka. 2,076,782; Apr. 13.
Clothes hanger. R. D. Moore. 2,077,251; Apr. 13.
Clothesline fastener, Automatic self locking. J. F. Fair. 2,076,940; Apr. 13.
Clutch: *See*—
Centrifugal clutch. Fluid clutch.
Clutch. F. H. Halstead. 2,076,635; Apr. 13.
Clutch. W. J. Pearmain. 2,077,154; Apr. 13.
Clutch mechanism. E. D. Jones. 2,076,648; Apr. 13.
Coatings and forming the same, Filming metal. J. E. Lilienfeld. 2,076,904; Apr. 13.
Coatings, Making pigmented protective. J. Crouet. 2,077,167; Apr. 13.
Coil tester. A. A. Cooper. 2,076,618; Apr. 13.
Coin controlled mechanism. G. Guldbrandsen. 2,076,775; Apr. 13.
Collapsible container. R. M. Holmes. 2,076,844; Apr. 13.
Color removal. J. C. Woodhouse. 2,076,607; Apr. 13.
Combustion engine. E. Daiber. 2,077,224–5; Apr. 13.
Compositions from coal tar and higher fatty acids and making the same. A. W. Ralston and C. W. Christensen. 2,077,068; Apr. 13.
Concrete, Method of and apparatus for laying reenforced. W. P. Day. 2,077,356; Apr. 13.
Concrete mixture and making the same. A. Grossinger. 2,077,374; Apr. 13.
Condensation products of the acridine series. F. Ebel and C. Steigerwald. 2,077,064; Apr. 13.
Condenser: *See*—
Electrical condenser.
Condenser. W. T. Levitt. 2,076,903; Apr. 13.
Connecter: *See*—
Electrical connecter.
Connecting device. H. V. D. Schreck. 2,077,157; Apr. 13.
Container: *See*—
Collapsible container. Liquid container.
Cosmetic container. Tooth powder container.
Container. J. A. Brady. 2,077,208; Apr. 13.
Container. M. E. Holy. 2,077,173; Apr. 13.
Container. J. V. Torras. 2,077,027; Apr. 13.
Container for container cars. G. C. Woodruff. 2,076,608; Apr. 13.
Control and electric ignition for gas burners, Automatic. J. B. Williams. 2,077,297; Apr. 13.
Control box. W. T. Bailey. 2,077,163; Apr. 13.
Control switch. O. F. Carlson. 2,076,546; Apr. 13.
Conveyer current carrier. D. M. Gerace, Jr. 2,077,317; Apr. 13.
Conveyer mechanism, Article assembling. H. F. Lewis. 2,076,736; Apr. 13.
Copying machine, Manually controlled. M. Romaine. 2,076,865; Apr. 13.
Cord construction. J. Eagleson. 2,076,711; Apr. 13.
Core catcher. G. F. Grimmelsman. 2,076,837; Apr. 13.
Core-end for paper-winding cores. J. A. Taylor. 2,076,870; Apr. 13.
Cosmetic container. B. F. Conner. 2,077,219; Apr. 13.
Cosmetic holder. A. Hagel. 2,076,718–19; Apr. 13.
CO_2 extinguishing system. C. F. Smith. 2,077,158; Apr. 13.
Cot fastener. G. L. Runkle. 2,076,866; Apr. 13.
Cot for children, Folding. T. Bonny. 2,077,090; Apr. 13.
Cotton cleaner. W. M. Garrett. 2,076,988; Apr. 13.
Cotton picking machine. J. D. and M. D. Rust. 2,076,598; Apr. 13.
Coupler lock. A. B. Masalsky. 2,077,342; Apr. 13.
Coupling: *See*—
Flexible coupling. Pipe coupling.
Hose coupling.
Coupling for change gears, Friction. H. Rambausek. 2,077,058; Apr. 13.
Cover for metal baths. C. G. Fink, F. J. Kenny, and J. D. Hord. 2,076,712; Apr. 13.
Covering and making same, Surface. P. H. Pennell and C. H. Draper. 2,077,004; Apr. 13.
Crank arm, Counterbalanced. G. T. Humphrey. 2,076,818; Apr. 13.
Crucifix. F. Buck. 2,076,701; Apr. 13.
Crystal, Piezoelectric oscillating. R. Bechmann. 2,077,204; Apr. 13.
Culinary device. M. E. Samuel. 2,077,014; Apr. 13.
Cultivator. H. T. Lebow. 2,077,334; Apr. 13.
Current responsive device. T. A. Rich. 2,077,186; Apr. 13.
Curtain drier. A. Hansen. 2,076,777; Apr. 13.
Cushion, Chair. G. F. Corduan. 2,076,619; Apr. 13.
Cushioning device. C. W. Greenhill. 2,077,233; Apr. 13.
Cut-off switch, Low water and pressure. O. F. Carlson. 2,076,547; Apr. 13.

Cut-off valve, Pilot controlled. L. S. Castonguay. 2,076,548; Apr. 13.
Cutter: *See*—
Inserted blade cutter.
Cutting tool. F. P. Miller. 2,076,663; Apr. 13.
Cylinder boring bar and attachment. C. L. Meister. 2,077,248; Apr. 13.
Cylinder of internal combustion engines. H. R. Ricardo. 2,076,593; Apr. 13.
Dam. T. Becher. 2,077,203; Apr. 13.
Dehydrating apparatus. G. D. Arnold. 2,076,873; Apr. 13.
Dentures, Building. K. Ross. 2,077,012; Apr. 13.
Deodorizing composition. A. R. White. 2,077,060; Apr. 13.
Derivatives of 1-phenyl-2,3-dimethyl-4-amino-5-pyrazolone. L. Freedman. 2,076,714; Apr. 13.
Design forming device. H. H. Lowenstein. 2,076,956; Apr. 13.
Detecting apparatus. W. Patzer. 2,076,862; Apr. 13.
Detent mechanism. C. A. Macomic. 2,076,584; Apr. 13.
Device for distant control. H. Eberhard and W. Gutzke. 2,077,314; Apr. 13.
Device for rendering visible reference points in geodetic surveying. P. Müller. 2,076,913; Apr. 13.
Diagnostic apparatus. J. P. Buckley. 2,077,211; Apr. 13.
Dicer, Rotary. K. E. Spires and M. C. Cosgray. 2,076,749; Apr. 13.
Die: *See*—
Rotary forging die. Threading die.
Direct-trip device. G. O. Harrison. 2,077,321; Apr. 13.
Discharge lamp, Electric. H. G. Jenkins and J. W. Ryde. 2,076,725; Apr. 13.
Disintegrator, Continuous thermo. G. S. P. de Bethune. 2,077,228; Apr. 13.
Disk harrow bearing. R. J. Altgelt and W. D. Dewend. 2,076,693; Apr. 13.
Dispenser: *See*—
Beer dispenser.
Dispensing device. L. Steiner. 2,067,750; Apr. 13.
Display device. A. R. Knipp. 2,076,784; Apr. 13.
Display rack. R. J. Anderson. 2,076,522; Apr. 13.
Dissolver, Centripetal. A. M. Bach. 2,076,975; Apr. 13.
Door. W. M. Brunst. 2,076,878; Apr. 13.
Door. C. E. Loyd. 2,077,122; Apr. 13.
Door construction, Refrigerator and boxcar. L. Scrivanich. 2,077,020; Apr. 13.
Door locking mechanism. B. Walker. 2,077,135; Apr. 13.
Draft and buffing gear. S. B. Haseltine. 2,076,779; Apr. 13.
Drafting board. F. H. Murphy. 2,077,252; Apr. 13.
Drawing mechanism. R. J. Adams. 2,076,609; Apr. 13.
Drier: *See*—
Curtain drier.
Drill: *See*—
Pneumatic rock drill.
Drive, Variable speed power. A. Timmermann. 2,076,926; Apr. 13.
Driving mechanism. R. M. Nardone. 2,077,253; Apr. 13.
Dust concentration, Apparatus for measuring, recording, and controlling dilute. P. Drinker and W. G. Hazard. 2,076,553–4; Apr. 13.
Dust from mops and other similar kinds of brooms, Device for cleaning and removing. M. Schultze, nee Liehr. 2,076,966; Apr. 13.
Dyestuff. Indigoid vat. W. Zerweck and E. Albrecht. 2,076,872; Apr. 13.
Dyestuffs and preparing them, Polymethine. P. Wolff. 2,077,063; Apr. 13.
Dyestuffs of the anthracene series, Preparing. J. Haller and G. Rösch. 2,077,108; Apr. 13.
Earth moving machine. A. C. Cox. 2,076,939; Apr. 13.
Electric discharge device, Gaseous. W. R. Walker. 2,076,755–6; Apr. 13.
Electric lamp. H. Asmussen. 2,077,199; Apr. 13.
Electric switch. H. K. Andrews. 2,077,089; Apr. 13.
Electric system, Supervised. H. C. Grant, Jr. 2,077,145; Apr. 13.
Electrical arc extinguishing and insulating material. A. P. Strom, C. L. Denault, and L. McCulloch. 2,077,202; Apr. 13.
Electrical condenser. J. E. Lilienfeld. 2,076,905; Apr. 13.
Electrical conduit system. H. W. Hartman and J. F. Brown. 2,076,558; Apr. 13.
Electrical condenser. J. J. Aurynger. 2,076,874; Apr. 13.
Electrical connecter. J. Bertschi. 2,076,694; Apr. 13.
Electrical resistance elements, Method and apparatus for manufacturing. H. G. Richter. 2,077,187; Apr. 13.
Electrical system and device therefor. D. S. Kennedy. 2,076,849; Apr. 13.
Electrical switching mechanism. E. Spahn. 2,076,923; Apr. 13.
Electromagnet. O. A. Morgenstern. 2,076,858; Apr. 13.
Electron discharge device. J. O. McNally. 2,077,177; Apr. 13.
Electron discharge device. V. L. Ronci. 2,077,156; Apr. 13.
Electron tube. D. G. Haines. 2,076,633; Apr. 13.
Electron tube. F. Michelssen. 2,076,662; Apr. 13.
Electrothermal indicating apparatus. T. J. Smulski. 2,076,678; Apr. 13.
Emulsifying agents. C. E. Sando. 2,076,794; Apr. 13.
Engine: *See*—
Combustion engine. Nondetonating engine.
Internal combustion engine.
Engine. G. W. Lewis. 2,076,954; Apr. 13.
Engine drive for motor vehicles, Rear. C. D. Peterson. 2,077,130; Apr. 13.
Engine starting mechanism. R. P. Lansing. 2,077,333; Apr. 13.
Engine starting mechanism. A. E. Raabe. 2,077,263; Apr. 13.
Ethers, Making. A. W. Francis. 2,077,042; Apr. 13.
Evaporator. A. Y. Dowell. 2,076,770; Apr. 13.
Extension leaf table. J. Cooper. 2,077,221; Apr. 13.
Extractor: *See*—
Broken axle extractor.
Extractor machine, Centrifugal. J. J. Neuman. 2,077,053; Apr. 13.
Fabric: *See*—
Knitted fabric.
Fabric making machine, Metal. H. E. White. 2,077,061; Apr. 13.
Fabric onto drums, Mechanism for winding wire. N. S. Harter. 2,076,778; Apr. 13.
Fabrics, Producing knitted. T. H. Jones and R. K. Mills. 2,076,896; Apr. 13.
Farm gate. J. W. Kayser. 2,076,995; Apr. 13.
Fastener: *See*—
Clothes line fastener. Interlocking fastener.
Cot fastener. Sash fastener.
Handbag fastener. Separable fastener.
Fastener for round belts, Belt. C. E. Carlsson. 2,077,309; Apr. 13.
Fastener sliders, Making. D. Dyresen. 2,077,358; Apr. 13.
Fastening means. H. G. Lombard. 2,077,120; Apr. 13.
Faucet. A. Wine. 2,076,805; Apr. 13.
Fenestrated endoscopic tube. M. R. Peck. 2,076,741; Apr. 13.
Fertilizers, Production of. E. W. Harvey and R. M. Jones. 2,077,171; Apr. 13.
Fiber from waste paper, Reclaiming. F. H. Snyder and S. F. M. Maclaren. 2,077,059; Apr. 13.
Fibers in paper pulp on the wet part of paper and board making machines, Attaining improved felting of the. S. P. H. E. Holgersson and W. A. E. Tibell. 2,076,991; Apr. 13.
Fibers, Production of artificial. A. Formhals. 2,077,373; Apr. 13.
Film movement, Intermittent. E. Ross. 2,076,919; Apr. 13.
Film treating apparatus. A. W. Tondreau and F. W. Gage. 2,077,081; Apr. 13.
Filter: *See*—
Oil filter. Rotary filter.
Filtering method. C. Cooper. 2,076,980; Apr. 13.
Fire alarm dispatching mechanism. J. F. Ebert and T. A. Terjesen. 2,077,099; Apr. 13.
Fire extinguishing apparatus. S. E. Allen. 2,076,692; Apr. 13.
Firearm. J. G. Weber. 2,076,927; Apr. 13.
Fish and crab trap. P. Tucker. 2,076,972; Apr. 13.
Flashing. H. W. Harriss. 2,076,990; Apr. 13.
Flatiron. H. D. Bowman. 2,076,614; Apr. 13.
Flexible coupling. G. H. Thomas. 2,076,752; Apr. 13.
Flight indicator for aircraft. E. J. Rogers, Jr. 2,077,267; Apr. 13.
Float, Fishline. W. P. Rader and J. Cisneros. 2,077,184; Apr. 13.
Floating unit and fleet. C. J. Baer. 2,076,535; Apr. 13.
Flow controlled device. W. B. Smith. 2,076,600; Apr. 13.
Fluid clutch. E. C. Gambrell. 2,076,887; Apr. 13.
Fluid compressor. W. Noble. 2,076,586; Apr. 13.
Fluid control device. F. L. Henning. 2,076,842; Apr. 13.
Fluid in wells, Apparatus for the controlled placement of. M. Spencer and J. R. Beauchamp. 2,077,022; Apr. 13.
Fluid supply. J. L. Taylor. 2,076,797; Apr. 13.
Fluids, Aerating. E. Christiansen. 2,076,979; Apr. 13.
Fluids, Heating of. L. A. Mekler. 2,076,855; Apr. 13.
Folding box. M. Hyndman. 2,077,174; Apr. 13.
Food handling apparatus. S. Braun. 2,077,306; Apr. 13.
Frame: *See*—
Spectacle frame. Velocipede frame.
Free play device. J. H. Tigerman. 2,076,832; Apr. 13.
Fuel injecting device for internal combustion engines. R. J. H. Planiol. 2,077,259; Apr. 13.
Fuel mixture control. W. F. Stanton. 2,076,679; Apr. 13.
Fuel and solvent, Producing an improved motor. J. C. Black. 2,076,695; Apr. 13.
Fuel, Treatment of motor. F. B. Behrens. 2,076,524; Apr. 13.
Furnace. J. L. Drake. 2,077,168; Apr. 13.
Furnace. E. G. Green. 2,077,169; Apr. 13.
Furnace for and method of heating fluids. W. H. Minkema. 2,076,856; Apr. 13.
Furnace for heating fluids. L. A. Mekler. 2,076,854; Apr. 13.
Fuse. T. Birkenmaier. 2,077,207; Apr. 13.

Fuse construction, Drop-out. A. G. Steinmayer. 2,076,681; Apr. 13.
Fuse for projectiles. H. G. Towner. 2,076,602; Apr. 13.
Fuse holder. E. V. Gluck. 2,076,943; Apr. 13.
Fuse puller switch. M. Guett. 2,077,319; Apr. 13.
Gaging mechanism. W. H. Howe. 2,076,944; Apr. 13.
Gain control, Automatic. C. J. Franks. 2,076,814; Apr. 13.
Game apparatus. A. M. Miller and D. O. McLean. 2,077,124; Apr. 13.
Game apparatus, Projecting. W. S. Karp. 2,077,369; Apr. 13.
Game, Roto dart. L. E. Moss and P. M. Titus. 2,077,001; Apr. 13.
Garment. M. R. Le Roy. 2,077,244; Apr. 13.
Garment hanger. S. L. Fuller. 2,076,533; Apr. 13.
Garment hanger. E. F. Ott. 2,076,824; Apr. 13.
Gas and air mixing device. W. A. Hauer. 2,076,559; Apr. 13.
Gas exhaustion from locomotives and other furnaces. K. Baschant. 2,077,029; Apr. 13.
Gas mixing unit. T. A. Sala. 2,077,131; Apr. 13.
Gas producer. H. Hillebrand. 2,076,891; Apr. 13.
Gasoline, Refining. M. S. Kharasch. 2,076,581; Apr. 13.
Gate: *See*—
Farm gate.
Gauge. C. Mahr. 2,077,123; Apr. 13.
Gauge and tool, Step, base, and curbing J. J. Masson. 2,076,659; Apr. 13.
Gauge for indicating the volume of flow of gases. J. A. Heidbrink. 2,076,562; Apr. 13.
Gear: *See*—
Automatic landing gear. Draft and buffing gear.
Gear device, Reduction. D. R. De Tar. 2,076,625; Apr. 13.
Gear puller. H. J. F. Nestler. 2,077,254; Apr. 13.
Gear shift for automobiles, Automatic. H. H. Platt. 2,076,791; Apr. 13.
Generator: *See*—
Magneto generator. Oscillation generator.
Oil gas generator.
Generators, System for loading. E. Pearson. 2,076,588; Apr. 13.
Glass feeding method and apparatus. W. H. Honiss. 2,077,147–8; Apr. 13.
Glass forming machine. W. R. Buck. 2,077,013; Apr. 13.
Goal. S. and J. Oakes. 2,077,343; Apr. 13.
Goal, Football. B. M. Monson. 2,076,911; Apr. 13.
Gold stroke practice device. B. Goodman. 2,077,318; Apr. 13.
Governor, Emergency speed. D. F. Warner and R. G. Standerwick. 2,077,192; Apr. 13.
Grader, Road. J. A. Dickey. 2,076,626; Apr. 13.
Grain, Apparatus for cutting and elevating. P. Schewe. 2,077,018; Apr. 13.
Grinder, Cutlery. N. H. Adams. 2,077,195; Apr. 13.
Grinding element for and method of making spline couplings. J. Edgar. 2,077,100; Apr. 13.
Grinding machine. W. L. Bryant. 2,076,808; Apr. 13.
Grinding machine. C. G. Flygare. 2,077,359; Apr. 13.
Grinding machine. S. A. Strickland. 2,076,682; Apr. 13.
Grinding wheel truing apparatus. G. E. Hulbert. 2,077,363; Apr. 13.
Hair curler. C. E. Anderson. 2,077,198; Apr. 13.
Hair curler. W. Huppert. 2,077,149; Apr. 13.
Halogen from fluids, Extraction of. G. E. Zelger. 2,077,298; Apr. 13.
Hand tool. R. A. Wilson. 2,076,973; Apr. 13.
Handbag fastener. F. N. Lewis 2,076,654; Apr. 13.
Handbags, Framing. C. W. Cheney. 2,077,165; Apr. 13.
Handle: *See*—
Implement handle.
Handle construction for fly swatters and the like. A. F. Shafter. 2,077,132; Apr. 13.
Handle for dishes, Detachable. H. P. Serio. 2,077,273; Apr. 13.
Handles, Making. W. K. Cowdery. 2,076,764; Apr. 13.
Handling and storing, Apparatus for. A. G. Henricks. 2,077,238; Apr. 13.
Hanger: *See*—
Clothes hanger. Garment hanger.
Harvester-thresher. C. A. Ballack and W. C. Steele. 2,076,523; Apr. 13.
Head size shaping and finishing method and apparatus. C. J. Healey. 2,076,721; Apr. 13.
Heat exchange between a condensing vapor and a liquid, Continuous. G. S. P. de Bethune. 2,077,227; Apr. 13.
Heat exchange system. K. H. Hubbard. 2,076,641; Apr. 13.
Heat insulating structure and production. O. A. Labus and W. J. Mohr. 2,076,898; Apr. 13.
Heat treatment of worn tires and other rolling bodies of steel. A. G. E. Hultgren. 2,076,992; Apr. 13.
Heater: *See*—
Industrial heater. Water heater.
Pipe heater.
Heating furnace. P. S. Menough. 2,076,739; Apr. 13.
Heating system. W. F. Miller. 2,077,250; Apr. 13.
Heating system for refrigerator cars. C. D. Niven. 2,076,961; Apr. 13.
Heel attaching and flap laying machine. L. J. Bazzoni. 2,076,537; Apr. 13.
Heel clamp. W. H. Poindexter. 2,076,863; Apr. 13.
Hinge joint, Adjustable. J. W. Leighton. 2,076,852; Apr. 13.
Holder: *See*—
Automobile license plate holder. Jar holder.
Cosmetic holder. Key holder.
Fuse holder. Tool holder.
Holder for neckties or the like. L. A. Gelb. 2,077,316; Apr. 13.
Hoop, Barrel. R. W. Barbee. 2,077,347; Apr. 13.
Hose coupling. G. A. Robison. 2,076,918; Apr. 13.
Hose end and coupling structure. H. W. Goodall. 2,076,632; Apr. 13.
Huller, Cottonseed. R. W. McLean. 2,077,247; Apr. 13.
Hydrocarbons, Apparatus for solvent refinement of. J. W. Poole. 2,077,057; Apr. 13.
Hydrocarbons, Recovery of. J. K. Roberts and P. C. Keith, Jr. 2,077,344; Apr. 13.
Hydrocarbons, Separation of. C. H. Greenewalt. 2,076,557; Apr. 13.
Hypodermic outfit case. C. R. Jeffords. 2,077,240; Apr. 13.
Implement handle. L. I. Goldblatt. 2,076,836; Apr. 13.
Indicator: *See*—
Center indicator.
Industrial heater. C. L. Gehnrich. 2,077,043; Apr. 13.
Information, Projecting and enlarging condensed. W. B. McClure. 2,076,853; Apr. 13.
Inserted blade cutter. F. P. Miller. 2,076,999; Apr. 13.
Instrument for surveying bore holes. A. Anderson. 2,076,610; Apr. 13.
Insulation testing apparatus. F. B. Doolittle. 2,077,357; Apr. 13.
Intensifying and fluorescent screen. J. L. Eggert and F. Luft. 2,076,984; Apr. 13.
Interlocking fastener, Multiple. G. Sundback. 2,077,350; Apr. 13.
Internal combustion engine. H. Ledwinka. 2,076,653; Apr. 13.
Internal combustion engine. A. W. Pope, Jr. 2,076,590; Apr. 13.
Internal combustion engine. A. Renner. 2,077,185; Apr. 13.
Internal combustion engine, Two-cycle. F. T. Irgens. 2,076,892; Apr. 13.
Iron manufacture, Electrolytic. B. Miller and C. G. Fink. 2,076,909; Apr. 13.
Iron, Production of rustless. A. L. Feild. 2,076,885; Apr. 13.
Jar. B. F. Conner. 2,076,549–1; Apr. 13.
Jar. B. F. Conner. 2,077,215–8; Apr. 13.
Jar holder. L. Fiedler. 2,076,813; Apr. 13.
Jar sealer. J. E. Polisso. 2,077,260; Apr. 13.
Jewelry set. E. J. Gross. 2,077,234; Apr. 13.
Joint: *See*—
Hinge joint.
Joint for angle bars, Structural. E. Ehlers. 2,076,811; Apr. 13.
Joint for well testers, By-pass. I. Thomas. 2,076,684; Apr. 13.
Joint production of plurality of good oil, Tractions from mineral oil. M. H. Tuttle. 2,077,287; Apr. 13.
Kettle, Melting. J. N. Williams. 2,076,689; Apr. 13.
Key holder. H. A. Johnston. 2,076,895; Apr. 13.
Kit, Display sales. H. L. Tharp. 2,076,683; Apr. 13.
Knitted fabric. I. S. Bleendes. 2,077,033; Apr. 13.
Knitted fabric. R. K. Mills. 2,076,910; Apr. 13.
Knitting and resulting product, Seamless. S. Schweig. 2,076,748; Apr. 13.
Knitting apparatus. D. H. Young. 2,076,929; Apr. 13.
Laminating machine, Continuous. K. D. Loose, C. W. Watkins, and J. W. Green. 2,076,657; Apr. 13.
Lamp: *See*—
Discharge lamp. Multiple filament lamp.
Electric lamp.
Lamp device, Gaseous electric discharge. W. Uyterhoeven, M. van Dam, C. Verburg, and J. Bruijnes. 2,076,754; Apr. 13.
Lantern burner. A. J. Perkins. 2,077,129; Apr. 13.
Lantern support. F. B. Embury. 2,077,101; Apr. 13.
Lapping machine. H. S. Indge and G. E. Hulbert. 2,077,364; Apr. 13.
Lapping machine. A. J. Strong. 2,076,601; Apr. 13.
Last. J. D. Adams. 2,076,931; Apr. 13.
Lathe center. W. C. Weaver. 2,077,293; Apr. 13.
Lead and more particularly for removing arsenic, antimony, tin and zinc, Apparatus for refining. H. Thümmel. 2,076,800; Apr. 13.
Leather substitute and manufacture, Material in the nature of. A. J. Hanley. 2,076,636; Apr. 13.
Lens drilling machine, Eyeglass. A. T. Rochte. 2,077,266; Apr. 13.
Lens, Ophthalmic. S. Broder. 2,077,092; Apr. 13.
Lens, Ophthalmic. E. D. Tillyer. 2,077,134; Apr. 13.
Lever construction. S. A. Snell. 2,077,279; Apr. 13.
Lift-truck. E. A. Reed. 2,077,265; Apr. 13.
Lighter, Electric blowpipe. L. W. Young. 2,076,691; Apr. 13.
Liner, Tunnel. A. E. Wilkoff. 2,077,137; Apr. 13.
Liner, Tunnel. A. E. Wilkoff. 2,077,351; Apr. 13.
Lip turning machine. C. G. Brostrom. 2,076,698; Apr. 13.

Liquid container. W. H. Martin and R. V. Salisbury. 2,077,341; Apr. 13.
Liquids, Apparatus for determining the consistency of. F. M. Hess. 2,076,816; Apr. 13.
Liquids on roads, Apparatus for distributing. H. Haupt. 2,076,780; Apr. 13.
Lock: *See*—
Bolt and chain lock. Sash lock.
Coupler lock. Table leg lock.
Lock construction, Door. S. Brantingson. 2,077,140; Apr. 13.
Lock for clamps and the like. G. E. Swartz. 2,076,828; Apr. 13.
Lock mechanism, Safety interval. P. S. Millice. 2,077,365; Apr. 13.
Locking device. E. J. Pliblad and C. C. Strange. 2,076,825; Apr 13.
Locomotive driver brake. P. Franklin. 2,076,766; Apr. 13.
Loom: *See*—
Circular loom. Pile fabric loom.
Lubricating device for railways. C. Stern. 2,077,077; Apr. 13.
Lubricating system for vehicle wheel bearings. V. Bush. 2,076,977; Apr. 13.
Lubrication device. J. L. Creveling. 2,077,040; Apr. 13.
Lumber, Building. E. H. Johannes. 2,077,065; Apr. 13.
Machine for cementing soles to shoes. P. Brauner. 2,076,697; Apr. 13.
Machine for joining skins. A. Bartha. 2,077,304; Apr. 13.
Machine for pointing and drying tampons. C. A. Fourness and J. M. Graef. 2,077,231; Apr. 13.
Machine for working printing machine cylinders, particularly copper cylinders in copper plate printing machines. F. A. Goyot. 2,076,773; Apr. 13.
Magnet, Alternating current. O. A. Morgenstern. 2,076,857; Apr. 13.
Magnetic analysis method. T. Zuschlag. 2,077,161; Apr. 13.
Magnetic means and method of tensioning. E. G. Parvin. 2,077,183; Apr. 13.
Magneto generator. E. B. Nowosielski. 2,077,255; Apr. 13.
Marine derrick structure. V. F. Grace and W. H. Richardson. 2,077,044; Apr. 13.
Marker, Highway. H. G. Meigs. 2,076,907; Apr. 13.
Marker, Highway. C. H. Smith. 2,076,970; Apr. 13.
Marking device, Automatic. G. L. Rashman. 2,077,106; Apr. 13.
Mask equipment, Gas. T. A. O'Leary. 2,077,054; Apr. 13.
Match booklet. H. Spira. 2,077,023; Apr. 13.
Material, Method and apparatus for drying. J. B. Voskamp. 2,077,346; Apr. 13.
Material, Preparing a decolorizing. L. Caldwell. 2,076,545; Apr. 13.
Materials, Apparatus for determining the consistency of. E. O. Rhodes, E. W. Volkmann, and C. T. Barker. 2,076,591; Apr. 13.
Materials, Apparatus for mixing. W. C. Anderson. 2,077,088; Apr. 13.
Materials, Mechanism for separating intermixed divided. R. Peale. 2,076,915; Apr. 13.
Mattress display device. C. W. Keiver. 2,076,848; Apr. 13.
Measuring apparatus. E. R. Hart. 2,077,146; Apr. 13.
Mechanical movement. O. A. Netschke. 2,076,960; Apr. 13.
Metal articles, Making enameled. R. R. Tanner. 2,076,869; Apr. 13.
Metal, Embossing sheet. W. J. Pannier, Jr. 2,077,128; Apr. 13.
Metallic shreds, Method of and apparatus for use in preparing. C. P. Teeple. 2,076,798; Apr. 13.
Metals from their ores, Recovery of. M. L. Ross. 2,077,073; Apr. 13.
Metals, Process of and apparatus for amalgamating and separating. M. W. Kroll. 2,077,332; Apr. 13.
Metering mechanism. T. D. Adair. 2,077,086; Apr. 13.
Milking pad. W. E. Barrie. 2,077,202; Apr. 13.
Mixer. G. S. P. de Bethune. 2,077,226; Apr. 13.
Modulation system. M. G. Crosby. 2,077,223; Apr. 13.
Mold: *See*—
Piston mold.
Molding. H. B. Myers. 2,076,790; Apr. 13.
Mop wringer. J. Weil. 2,077,083; Apr. 13.
Motor system, Alternating current. B. D. Bedford. 2,077,206; Apr. 13.
Mounting, Axle spring. J. R. Konetsky. 2,077,048; Apr. 13.
Muffler, Exhaust. R. W. Ross. 2,076,827; Apr. 13.
Multiple filament lamp. O. H. Corvington and M. A. Napier. 2,076,527; Apr. 13.
Multistage valve. P. Kapteÿn. 2,077,326; Apr. 13.
Necktie. P. Miles. 2,076,908; Apr. 13.
New product and producing same. J. E. Kirby. 2,076,949; Apr. 13.
Nondetonating engine. V. F. Zahodiakin. 2,077,085; Apr. 13.
Nozzle, Spray. G. K. V. Johanson. 2,076,947; Apr. 13.
Oarlock sleeve, Adjustable. F. W. Fraser. 2,076,880; Apr. 13.
Oil bodies, Synthetic drying. A. E. Rheineck, B. Rabin, and J. S. Long. 2,077,371; Apr. 13.
Oil burner. W. A. Dickinson. 2,076,982; Apr. 13.
Oil filter. R. N. Burckhalter. 2,076,934–6; Apr. 13.
Oil gas generator. W. B. Harris. 2,077,236; Apr. 13.
Oil retainer, Self-adjusting. M. E. Salisbury. 2,076,747; Apr. 13.
Olefines from gaseous or liquid mixtures, Recovery of. H. S. Davis and A. W. Francis. 2,077,041; Apr. 13.
Oral cavity appliance. J. D. Locke. 2,077,245; Apr. 13.
Ornamental construction. H. F. Reichenbach. 2,076,670; Apr. 13.
Oscillation generator. K. Schlesinger. 2,077,269; Apr. 13.
Oscillometer. K. H. Hubbard and H. L. Mason. 2,076,642; Apr. 13.
Oxygen valve. K. E. E. Westberg. 2,076,757; Apr. 13.
Packaging machine. S. R. Howard and G. W. Anderson. 2,076,640; Apr. 13.
Packer and setting tool. E. L. Barker. 2,076,761; Apr. 13.
Packing rings, Forming. W. Davies. 2,076,528; Apr. 13.
Packing, Surgical. E. H. Brown. 2,076,526; Apr. 13.
Pad: *See*—
Cleaning pad Milking pad.
Paper. E. C. Schacht. 2,077,016–17; Apr. 13.
Paper for toweling and other purposes. M. O. Schur. 2,076,599; Apr. 13.
Paper, Imitation leather. H. G. Kittredge and A. J. Turner. 2,077,112; Apr. 13.
Paper making material, Disintegrating. M. Lamort. 2,076,899; Apr. 13.
Paper making process. E. C. Schacht. 2,077,015; Apr. 13.
Paper product and making the same. V. T. Hoeflich. 2,076,945; Apr. 13.
Pen, Fountain. W. Livsey. 2,076,997; Apr. 13.
Penholder with ink-guard. L. Longo. 2,077,340; Apr. 13.
Petroleum emulsions, Breaking. M. De Groote. 2,076,624; Apr. 13.
Petroleum emulsions, Breaking. M. De Groote, B. Keiser, L. L. Faure, and A. F. Wirtel. 2,076,623; Apr. 13.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,077,230; Apr. 13.
Petroleum emulsions, Breaking. M. De Groote and A. F. Wirtel. 2,077,229; Apr. 13.
Petroleum residuum, Treatment of. R. R. Thurston. 2,076,799; Apr. 13.
Photoelectric device. J. H. de Boer and W. C. van Goel. 2,076,622; Apr. 13.
Photographic objective. A. W. Tronnier. 2,076,686; Apr. 13.
Piercing and eyeleting, Method of and machine for. S. L. Gookin. 2,076,556; Apr. 13.
Pile fabric loom, Double tuft. R. G. Knowland. 2,076,785; Apr. 13.
Pin. G. S. Light. 2,076,655; Apr. 13.
Pipe coupling. A. O. Bredeson. 2,077,035; Apr. 13.
Pipe cutting or welding apparatus. D. L. Smith. 2,077,277; Apr. 13.
Pipe heater. G. W. Watts. 2,076,871; Apr. 13.
Pipe joint and sealing the same. R. C. Boughton. 2,076,876; Apr. 13.
Pipe leak plug. P. D. Merrill. 2,077,050; Apr. 13.
Pipe wrench. W. O. Thewes. 2,076,830; Apr. 13.
Piston and packing therefor. S. T. Nelson. 2,077,182; Apr. 13.
Piston for internal combustion motors. E. C. Long. 2,076,822; Apr. 13.
Piston mold. H. A. and W. T. Soulis. 2,076,971; Apr. 13.
Piston ring. T. A. Bowers. 2,076,542; Apr. 13.
Piston ring. T. A. Bowers. 2,076,544; Apr. 13.
Piston ring material. T. A. Bowers. 2,076,539; Apr. 13.
Piston rings, Making. T. A. Bowers. 2,076,543; Apr. 13.
Plane, Rotary. J. Stevenson. 2,077,281; Apr. 13.
Plating by knitting needle control, Reverse. R. H. Lawson and A. N. Cloutier. 2,076,902; Apr. 13.
Plow. E. F. Ohlendorf. 2,076,666; Apr. 13.
Plug: *See*—
Pipe leak plug. Tire casing plug.
Pneumatic rock drill. C. A. Hultquist. 2,076,644; Apr. 13.
Pocket, Shirt. A. Lipshie. 2,077,153; Apr. 13.
Porthole ventilator. K. Kornbau, V. Kromm, and H. L. Kohl. 2,077,175; Apr. 13.
Powder, Smokeless. E. S. Goodyear. 2,076,772; Apr. 13.
Power lift. M. G. Roper. 2,076,673; Apr. 13.
Power transmission system, Variable speed. F. A. Hayes. 2,076,560; Apr. 13.
Power transmitting mechanism. J. S. Alspaugh. 2,076,974; Apr. 13.
Press: *See*—
Rotary press. Shoe press.
Printing device. E. J. Rabenda. 2,076,744; Apr. 13.
Printing mechanism. F. L. Fuller. 2,076,717; Apr. 13.
Printing mechanism. A. W. Mills. 2,076,740; Apr. 13.
Printing on articles of irregular shape, Multicolor. R. P. Piperoux. 2,076,589; Apr. 13.

Printing telegraph apparatus. A. H. Reiber. 2,076,864; Apr. 13.
Products obtainable from high molecular carbohydrates and preparing them. E. Hees. 2,076,889; Apr. 13.
Projector. G. Spindler. 2,076,924; Apr. 13.
Prostate gland massaging and variable temperature applicator. J. J. Haynos. 2,076,638; Apr. 13.
Protective device. G. R. Eldred. 2,076,765; Apr. 13.
Protector for lamp fuses. J. A. Linder. 2,076,582; Apr. 13.
Protector for shoes, Detachable heel. W. H. Butler and D. S. Cooper. 2,076,978; Apr. 13.
Protector mechanism for looms. J. P. Camps. 2,077,037; Apr. 13.
Puller: *See*—
Gear puller.
Pulley construction. L. J. Vogel. 2,076,687; Apr. 13.
Pump: *See*—
Rotary pump. Syphon dredging pump
Pump. W. J. Conery and A. Nelson. 2,077,213; Apr. 13.
Pump. O. Kuehne. 2,076,732; Apr. 13.
Pump. W. H. Nichols. 2,076,664; Apr. 13.
Pump or compressor, Eccentric piston. J. O. Heinze. 2,076,723; Apr. 13.
Pump sealing system. W. S. Robinson. 2,077,011; Apr. 13.
Pumping means for internal combustion engines, Scavenge. W. S. Burn. 2,076,976; Apr. 13.
Rack: *See*—
Display rack.
Radial field relay. J. Carton. 2,076,879; Apr. 13.
Radio control device. C. H. Langley. 2,076,900; Apr. 13.
Radio direction finding system. H. M. Dowsett and R. J. Kemp. 2,076,710; Apr. 13.
Radio receiver. S. Becker. 2,077,205; Apr. 13.
Radio receiver. R. Rechnitzer. 2,077,069; Apr. 13.
Radio receiver, Automobile. E. J. Te Pas. 2,077,284; Apr. 13.
Radio receiver construction. L. E. Eastman and C. B. Knudson. 2,076,771; Apr. 13.
Radio system, Centralized. E. Krueger. 2,076,731; Apr. 13.
Rayon, Method and apparatus for spinning. J. Bruggeman. 2,077,141; Apr. 13.
Razor. M. Speiser. 2,077,076; Apr. 13.
Razor blades, Device for cleaning. W. Mayr. 2,077,246; Apr. 13.
Razor, Safety. J. D. Karle. 2,077,241; Apr. 13.
Recording device for sound on films. J. C. Fardon. 2,077,102; Apr. 13.
Recording system. A. T. Sigo. 2,076,676; Apr. 13.
Recording system. E. C. Wente. 2,077,193; Apr. 13.
Reel seat assembly. W. E. Edwards. 2,076,629; Apr. 13.
Reel seat for fishing rods. W. E. Edwards. 2,076,628; Apr. 13.
Refrigerating apparatus. R. R. Candor. 2,076,809; Apr. 13.
Refrigerating apparatus. J. G. King. 2,076,820; Apr. 13.
Refrigerating apparatus. N. M. Thomas. 2,077,025; Apr. 13.
Refrigerating machine. D. H. Gaston. 2,077,348; Apr. 13.
Refrigerator. C. E. L. Lipman. 2,076,821; Apr. 13.
Refrigerator. G. H. Young. 2,076,835; Apr. 13.
Registering device for gasoline tanks. M. Gaertner. 2,076,630; Apr. 13.
Regulating device using copper oxide rectifiers. B. E. O'Hagan. 2,076,962; Apr. 13.
Regulator. R. E. Clarridge. 2,076,616; Apr. 13.
Regulator mechanism for windows of railway cars and the like. B. S. Floraday. 2,076,986; Apr. 13.
Relay, Electric. B. J. Brander. 2,077,091; Apr. 13.
Resin. G. W. Seymour. 2,076,795; Apr. 13.
Resin production. J. Rivkin. 2,077,009; Apr. 13.
Resistance unit, Portable. F. Hanna. 2,076,561; Apr. 13.
Return bend. F. E. Key. 2,076,850; Apr. 13.
Ring: *See*—
Piston ring.
Riveting machine. H. H. Diehl. 2,077,097; Apr. 13.
Road material spreading machine. J. N. Heltzel. 2,076,890; Apr. 13.
Roller: *See*—
Skate roller.
Roller conveyer. H. M. Rishel. 2,077,188–90; Apr. 13.
Rotary filter. A. J. Barnebl. 2,076,611; Apr. 13.
Rotary forging die, Continuous. T. A. Bowers. 2,076,541; Apr. 13.
Rotary press, Web perfecting. H. M. Barber. 2,076,932–3; Apr. 13.
Rotary pump, Valveless. T. A. Bateman. 2,076,536; Apr. 13.
Rule, Steel. F. O. Carlson. 2,076,704; Apr. 13.
Safety control valve. G. W. Isbell. 2,076,566; Apr. 13.
Sample splitter. J. B. Parsons. 2,076,861; Apr. 13.
Sash fastener. C. O. Goserud. 2,077,105; Apr. 13.
Sash lock. W. C. Witherly. 2,077,138; Apr. 13.
Saw, Frame. E. Löf. 2,077,119; Apr. 13.
Scooter, Propel. O. K. Winding. 2,076,804; Apr. 13.
Screen: *See*—
Intensifying and fluorescent screen.
Scrubber, Combination. C. Huber. 2,076,946; Apr. 13.
Sealing and thrust balancing device. W. H. Carrier. 2,077,038; Apr. 13.
Sealing means. W. M. Brooks. 2,077,209; Apr. 13.
Sealing means. N. F. Fretter. 2,076,715–6; Apr. 13.
Seat construction. A. F. Lifvendahl and C. J. Johnson. 2,077,337; Apr. 13.
Seeding machine. P. L. Byers. 2,076,702; Apr. 13.
Separable fastener. W. L. Gilmore. 2,077,360; Apr. 13.
Separating system and method. J. E. Fulweiler. 2,076,815; Apr. 13.
Separator apparatus. C. B. Schneible. 2,077,074; Apr. 13.
Sewage treatment apparatus. A. C. Durdin, III. 2,076,529; Apr. 13.
Sewing machine. C. O. Nelson. 2,077,151; Apr. 13.
Shaping, Method of. A. S. Lewis. 2,077,118; Apr. 13.
Sharpener, Saw. C. H. Perkins. 2,076,916; Apr. 13.
Shaving device. J. A. Hanley. 2,077,367; Apr. 13.
Shaving device. R. Knopp. 2,077,331; Apr. 13.
Shaving device and motor therefor. R. Knapp. 2,077,329; Apr. 13.
Sheet and preparing the same, Decorative. J. J. Jackson. 2,076,993; Apr. 13.
Sheet feed device. O. Kleinschmit and W. Geissler. 2,076,996; Apr. 13.
Sheets, Securing means for corrugated. H. R. Ansel. 2,077,162; Apr. 13.
Shield, Fireplace. W. C. Horner. 2,077,324; Apr. 13.
Ships with fuel oil, Stabilizing. E. R. Carroll. 2,077,143; Apr. 13.
Shoe drying attachment. J. P. Leindorf. 2,076,735; Apr. 13.
Shoe press. P. Brauner. 2,076,696; Apr. 13.
Shoe stiffener, Laminated. H. S. Miller and C. P. MacIver. 2,077,125; Apr. 13.
Shoes, Internal finishing of. S. P. Lovell. 2,077,121; Apr. 13.
Shopping bag. H. K. Steen. 2,076,680; Apr. 13.
Short waves, Method of and arrangement for receiving. M. von Ardenne. 2,077,289–90; Apr. 13.
Shovel, Power. C. E. Stoltz. 2,077,159; Apr. 13.
Shuttle, Loom. I. Snow. 2,077,278; Apr. 13.
Shuttle, Loom. D. L. Wiggin. 2,077,136; Apr. 13.
Sign for motor vehicles, Hood. F. D. Eastman. 2,076,530; Apr. 13.
Signal: *See*—
Telltale signal.
Signal selecting system. W. A. MacDonald. 2,077,049; Apr. 13.
Signal system. W. C. Edwards. 2,076,987; Apr. 13.
Signaling system, Railway. H. S. Young. 2,076,930; Apr. 13.
Signaling system, Wave. C. K. Huxtable. 2,077,045; Apr. 13.
Signatures, Detecting false. H. Hein. 2,077,237; Apr. 13.
Silk filaments, Spinning and winding artificial. H. G. van der Waals. 2,076,802; Apr. 13.
Silk, Producing artificial. G. I. Thurmond. 2,076,801; Apr. 13.
Skate roller. W. D. Ferris. 2,076,531; Apr. 13.
Skates, Apparatus for controlling railway track. J. W. Livingston. 2,077,339; Apr. 13.
Slicing machine. H. H. McKee and N. J. Dziedzic. 2,076,959; Apr. 13.
Snap fastener member. W. I. Jones. 2,077,368; Apr. 13.
Sorting machine. J. W. Bryce. 2,076,700; Apr. 13.
Sorting machine. U. Kölm. 2,076,730; Apr. 13.
Sound absorbing construction. C. F. Burgess. 2,076,807; Apr. 13.
Sound absorbing material. F. R. Kanengeiser. 2,076,994; Apr. 13.
Sound absorbing structure. T. M. Prudden. 2,077,155; Apr. 13.
Sound-reproducing means. K. B. Cannon. 2,076,937; Apr. 13.
Spectacle frame. P. Messinger. 2,077,051; Apr. 13.
Spinning, High speed. M. Kono. 2,076,951; Apr. 13.
Spool holder for double twist twisting spindles. O. Bochmann. 2,076,762; Apr. 13.
Spray producing method and apparatus. F. W. Ofeldt. 2,077,257; Apr. 13.
Spraying device. S. Deutsch. 2,076,709; Apr. 13.
Spring structure. W. S. Brown. 2,077,036; Apr. 13.
Sprinkler, Adjustable full circle. W. V. E. Thompson. 2,076,753; Apr. 13.
Stage apparatus. R. L. Geib. 2,077,104; Apr. 13.
Starting device for electric motors. R. Knapp. 2,077,330; Apr. 13.
Statistical machine, Record card controlled. C. Campbell. 2,076,703; Apr. 13.
Steamer, Electrically operated. C. L. Redfield and N. De Long. 2,076,660; Apr. 13.
Sticking during annealing, Process to prevent. L. A. Salender. 2,076,793; Apr. 13.
Stock quotation system. H. C. Robinson. 2,076,672; Apr. 13.

Stoker, Locomotive. W. T. Capps. 2,076,763; Apr. 13.
Stove, Collapsible. E. L. Jones. 2,076,783; Apr. 13.
Straw saving attachment. F. X. Miller. 2,077,000; Apr. 13.
Stretcher, Curtain. R. E. Walls. 2,077,291; Apr. 13.
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CLASSIFICATION OF PATENTS

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183: 2,076,618
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338: 2,076,857
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30: 2,076,582
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177— 329: 2,077,303
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351: 2,076,944
2,077,086
352: 2,076,724
353: 2,076,672
355: 2,077,145
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2,077,031
17: Re.20,330
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27: 2,076,651
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6: 2,077,038
7: 2,076,977
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199— 7: 2,076,584
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36: 2,076,923
38: 2,077,075
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226— 2: 2,076,942
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61.7: 2,076,727
61.8: 2,076,703
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236— 9: 2,077,250
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237— 35: 2,076,961
240— 52.4: 2,077,107
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36: 2,077,314
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251— 91: 2,076,840
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252— 2: 2,076,545
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53: 2,076,872
97: 2,077,322
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273— 1: 2,077,343
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U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Akron Brass Manufacturing Company, Incorporated, Wooster, Ohio. Electric signal lamps. Serial No. 388,254; Apr. 20. Class 21.

Alba Pharmaceutical Company, Inc., New York, N. Y. Chemotherapeutic agent for streptococcic and staphylococcic infections. Serial No. 388,631; Apr. 20. Class 6.

Albers Bros. Milling Co., Portland, Oreg., San Francisco, Los Angeles, Sacramento, Oakland, Riverside, Fresno, San Jose, Calif.; and Seattle, Tacoma, Spokane, Wash. Stock and poultry feeds. Serial No. 388,299; Apr. 20. Class 46.

Albrecht, Benjamin K., doing business as Albrecht & Co., Rowayton, Conn. Adhesive cement. Serial No. 376,748; Apr. 20. Class 5.

American Abrasive Metals Company, New York, N. Y. Cast metal articles. Serial Nos. 389,005–6; Apr. 20. Class 12.

American Zinc Sales Company, St. Louis, Mo. Zinc oxide. Serial No. 388,632; Apr. 20. Class 6.

An-Fo Manufacturing Co. (See Rosefield, John B.)

Ansbacher Siegle Corporation, Brooklyn, N. Y. Agricultural insecticidal material. Serial No. 376,324; Apr. 20. Class 6.

Anthony Brothers, San Francisco, Calif. Women's and children's sport suits, coats, dresses, etc. Serial No. 388,301; Apr. 20. Class 39.

Apex Beverage Co., Pittsburgh, Pa. Beverages. Serial No. 388,971; Apr. 20. Class 45.

Atlas Supply Company, Newark, N. J. Rubber tires. Serial No. 388,044; Apr. 20. Class 35.

Automatic Electric Company, Chicago, Ill. Telephone systems, telephone equipment, and parts thereof. Serial No. 381,957; Apr. 20. Class 21.

B-L Electric Manufacturing Co., The, St. Louis, Mo. Apparatus for rectifying electric current. Serial No. 388,526; Apr. 20. Class 21.

Bartoli, Philip, Philadelphia, Pa. Medical preparation. Serial No. 388,826; Apr. 20. Class 6.

Basel, George J., doing business as Basel Co., Cleveland, Ohio. Shaving soap and shaving cream. Serial No. 389,109; Apr. 20. Class 4.

Battin, Pauline N., doing business as The Battin Co., College Point, N. Y. Cooking ingredients for enriching, thickening, or browning gravies, soups, and the like. Serial No. 386,335; Apr. 20. Class 46.

Beaumont & Co., Inc., New York, N. Y. Champagnes. Serial No. 387,263; Apr. 20. Class 47.

Bertram, John A., & Co. Ltd., Leith, Scotland. Whiskey. Serial No. 384,610; Apr. 20. Class 49.

Billig, Irving, New York, N. Y. Liquids, powders, solids, and gases used in spraying, etc., bugs, etc. Serial No. 388,827; Apr. 20. Class 6.

Biochemical Products of Mexico, S. A., Mexico City, Mexico. Medicinal preparation for the respiratory tract. Serial No. 389,402; Apr. 20. Class 6.

Bloom-Rosenblum-Klein Company, The, Youngstown, Ohio. Wheat flour. Serial No. 367,141; Apr. 20. Class 46.

Borden Company, The, New York, N. Y. Shell eggs. Serial No. 388,528; Apr. 20. Class 46.

Borsari & Cie., Zollikon, Switzerland. Ferro-concrete tanks. Serial No. 386,981; Apr. 20. Class 2.

Boskamp, Kurt, doing business as Firma G. Pohl, Danzig-Langfuhr, Free City of Danzig. Empty gelatin capsules. Serial No. 382,940; Apr. 20. Class 2.

Brewer-Titchener Corporation, The, Cortland, N. Y. Ironing boards. Serial No. 388,761; Apr. 20. Class 24.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Toilet seats. Serial Nos. 389,449–50; Apr. 20. Class 13.

Burgess Battery Company, Madison, Wis. Air-distributing apparatus. Serial No. 388,529; Apr. 20. Class 34.

Cable Raincoat Company, Boston, Mass. Children's rain coats. Serial No. 389,168; Apr. 20. Class 39.

Carey-McFall Co., Philadelphia, Pa. Venetian blinds. Serial No. 389,404; Apr. 20. Class 32.

Carey-McFall Co., Philadelphia, Pa. Venetian blinds. Serial No. 389,455; Apr. 20. Class 32.

Cattell, J. McKeen, doing business as The Science Press, New York, N. Y. Section in a magazine. Serial No. 388,432; Apr. 20. Class 38.

Celanese Corporation of America, New York, N. Y. Yarns. Serial No. 389,115; Apr. 20. Class 43.

Century Engineering Corporation, Cedar Rapids, Iowa. Air conditioning units. Serial No. 382,376; Apr. 20. Class 34.

Charles C. Haskell & Co., Inc., Richmond, Va. Sedative-hypnotic pharmaceutical preparation. Serial No. 388,774; Apr. 20. Class 6.

Checard Company, The, Minneapolis, Minn. Games. Serial No. 390,044; Apr. 20. Class 22.

Chopak Textile Co. Inc., New York, N. Y. Rayon and acetate cloth. Serial No. 388,913; Apr. 20. Class 42.

Colour Photographs (British & Foreign) Limited, London, England. Photographs and photo-mechanical reproductions of the same. Serial No. 389,234; Apr. 20. Class 38.

Columbia Ribbon & Carbon Mfg. Co., Inc., Glen Cove, N. Y. Typewriter ribbons and carbon paper. Serial No. 389,306; Apr. 20. Class 11.

Continental Mills, Inc., Philadelphia, Pa. Woolen and worsted cloths, jersey cloths, eiderdowns, etc. Serial No. 389,055; Apr. 20. Class 42.

Corley, B. L., San Francisco, Calif. Herbal laxative and tonic compound. Serial No. 388,112; Apr. 20. Class 6.

Corporacion Argentina de Productores de Carnes, Buenos Aires, Argentina. Meat and products prepared therefrom. Serial No. 389,307; Apr. 20. Class 46.

Country Press, Inc., Greenwich, Conn., Magazines. Serial No. 385,216; Apr. 20. Class 38.

Cowles Detergent Company, The, Cleveland, Ohio. Soluble chemical compounds for use as detergents. Serial No. 388,121; Apr. 20. Class 4.

Cowles Detergent Company, The, Cleveland, Ohio. Detergent. Serial No. 388,493; Apr. 20. Class 4.

Davis, A., & Sons, Inc., New York, N. Y. Women's and misses' coats and suits. Serial No. 378,740; Apr. 20. Class 39.

Dennehy, E. L. and J. F., Inc., Brockton, Mass., and Johnson City, N. Y. Floor wax. Serial No. 389,725; Apr. 20. Class 16.

Dickinson, Paul, Inc., Chicago, Ill. Smoke jacks for buildings and railroad cars, theatre mushroom ventilators, etc. Serial No. 379,419; Apr. 20. Class 34.

Dingfelder, C. I. & M., New York, N. Y. Fresh vegetables. Serial No. 388,392; Apr. 20. Class 46.

Drybak Corporation, The, Binghamton, N. Y. Work pants, breeches, blouses, etc. Serial No. 388,313; Apr. 20. Class 39.

Dube & Reingold, Inc., New York, N. Y. Raincoats and waterproof suits. Serial No. 387,270; Apr. 20. Class 39.

Dube & Reingold, Inc., New York, N. Y. Raincoats and waterproof suits. Serial No. 388,770; Apr. 20. Class 39.

Dunn, Max, Philadelphia, Pa. Dresses and blouses. Serial No. 389,505; Apr. 20. Class 39.

Eagle Clothes, New York, N. Y. Men's clothing. Serial No. 389,778; Apr. 20. Class 39.

Eisendrath, B. D., Tanning Company, Chicago, Ill. Leather. Serial No. 384,888; Apr. 20. Class 1.

Eljay Corporation, Chicago, Ill. Aspirin tablets. Serial No. 389,014; Apr. 20. Class 6.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial fish bait. Serial No. 390,019; Apr. 20. Class 22.

Fansteel Metallurgical Corporation, North Chicago, Ill. Electric contacts. Serial Nos. 388,129–31; Apr. 20. Class 21.

Financial Guide Publishing Corporation, New York, N. Y. Newspaper column. Serial No. 388,441; Apr. 20. Class 38.

Findlater Mackie Todd & Co. Limited, London, England. Scotch whiskey. Serial No. 382,867; Apr. 20. Class 49.

Fynaut & Popek, New York, N. Y. Fresh endives. Serial No. 387,703; Apr. 20. Class 46.

Gavilan Citrus Association. (See Holden, Arthur S.)

Geier, P. A., Company, The, Cleveland, Ohio. Floor polishers and floor polisher attachments for suction cleaners. Serial No. 385,352; Apr. 20. Class 23.

General Beverage Corp., Springfield, Mass. Non-alcoholic beverages. Serial No. 388,933; Apr. 20. Class 45.

General Mills, Inc., Minneapolis, Minn. Earthenware. Serial No. 388,639; Apr. 20. Class 30.

Gerdts, Gustav F., Bremen, Germany. Sight indicator for use in connection with condensers, etc. Serial No. 371,770; Apr. 20. Class 26.

Gerts, Lumbard and Company, Chicago, Ill. Paint brushes. Serial No. 388,539; Apr. 20. Class 29.

Gibson Electric Refrigerator Corporation, Greenville, Mich. Refrigerators. Serial No. 388,136; Apr. 20. Class 31.

Globe Magazines, Inc., St. Paul, Minn. Monthly magazine. Serial No. 389,394; Apr. 20. Class 38.

Goldman, D. H., doing business as Zeen Chemical Company, Cleveland, Ohio. Dry cleaning fluid, rug and carpet wet shampoo, dry cleaner in concentrated form, etc. Serial No. 387,466; Apr. 20. Class 4.

Goodyear Tire & Rubber Company, Inc., The, Wilmington, Del., and Akron, Ohio. Storage batteries. Serial Nos. 389,352–3; Apr. 20. Class 21.

Goodyear Tire & Rubber Company, Inc., The, Wilmington, Del., and Akron, Ohio. Storage batteries. Serial No. 389,355; Apr. 20. Class 21.

Goshi-Kaisha Nippon Door-Check Seisakusho, Osaka, Japan. Door checks and floor hinges. Serial No. 387,827; Apr. 20. Class 13.

Great Atlantic Laboratories. (See Slabine, Phillip.)

Great Western Electro-Chemical Company, San Francisco, Calif. Ammonium sulfate, ammonium chloride, caustic soda, etc. Serial No. 388,676–8; Apr. 20. Class 6.

Greater New York Bedding Co. (See Lipps, Morris.)
Greene, Albert F., doing business as Regene Co., Buffalo, N. Y. Preparation for preserving and strengthening the fabric of both real and artificial silk. Serial No. 386,488; Apr. 20. Class 6.
Gross, Alexander S., Inc., New York, N. Y. Dresses or frocks, suits, and coats. Serial No. 387,244; Apr. 20. Class 39.
Guild Co. (See Jarvis, Edward R.)
Hall Packing Company, Sanger and El Centro, Calif. Fresh deciduous fruits and fresh grapes. Serial No. 372,057; Apr. 20. Class 46.
Hay, R. M., Company, The, Stamford, Conn. Babies' dresses. Serial No. 388,061; Apr. 20. Class 39.
Hepworth & Grandage Limited, Bradford, England. Cylinder liners and valve seatings. Serial No. 386,897; Apr. 20. Class 23.
Herbert Hosiery Mills, Inc., Norristown, Pa. Hosiery. Serial No. 388,775; Apr. 20. Class 39.
Hercules Powder Company, Wilmington, Del. Liquid used as a solvent and plasticizer. Serial No. 387,185; Apr. 20. Class 6.
Hercules Powder Company, Wilmington, Del. Liquid preparation used in forming emulsions. Serial No. 389,317; Apr. 20. Class 6.
Hercules Powder Company, Wilmington, Del. Liquid detergent compound. Serial No. 389,318; Apr. 20. Class 4.
Höganäs-Billesholms Aktiebolag, Hoganas and Halsingborg, Sweden. Abrasives. Serial No. 387,622; Apr. 20. Class 4.
Holden, Arthur S., doing business as Gavilan Citrus Association, Arlington, Calif. Citrus fruits. Serial No. 388,937; Apr. 20. Class 46.
Hudson, C. D., doing business as Places Publishing Associates, Washington, D. C. Periodical. Serial No. 389,559; Apr. 20. Class 38.
Imperial Brass Manufacturing Company, The, Chicago, Ill. Couplings, valves, cocks, etc. Serial No. 381,841; Apr. 20. Class 13.
International Bedding Company, The, Baltimore, Md. Mattresses, cushions, studio couches, etc. Serial Nos. 388,453–4; Apr. 20. Class 32.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 389,182; Apr. 20. Class 39.
Isaacs, I. C., & Company, Inc., Baltimore, Md. Ski, skating, and sport jackets, pants, and skirts. Serial No. 387,505; Apr. 20. Class 39.
Jarvis, Edward R., doing business as Guild Co., New Brunswick, N. J. Healing cream for chapped skin. Serial No. 386,164; Apr. 20. Class 6.
Jelke, John F., Company, Chicago, Ill Cheese. Serial No. 382,917; Apr. 20. Class 46.
Johns-Manville Corporation, New York, N. Y. Industrial and household cleaning compound. Serial No. 388,616; Apr. 20. Class 4.
Jordeau, Jean, Inc., South Orange, N. J. Astringents, astringent cerates, bleach creams, etc. Serial No. 389,130; Apr. 20. Class 6.
Kaufman-Herstone, Inc., New York, N. Y. Coats and suits. Serial No. 388,985; Apr. 20. Class 39.
Kay-Brunner Steel Products Inc., Alhambra, Calif. Machines for forming, etc., roads, hydraulic pumps, and hoists. Serial No. 377,742; Apr. 20. Class 23.
Kelite Products, Inc., Los Angeles, Calif. Cleaning powders, cleaning paste, cleaning fluids, and soaps. Serial No. 389,463; Apr. 20. Class 4.
Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth, Budweis, Czechoslovakia. Photographic developing kit comprising chemicals, etc. Serial No. 383,393; Apr. 20. Class 26.
Lake Manufacturing Company, Inc., Oakland, Calif. Electrical telephone power amplified loud speaker two-way communication systems. Serial No. 388,138; Apr. 20. Class 21.
Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Witch hazel salve or ointment. Serial No. 388,841; Apr. 20. Class 6.
Lekas & Drivas, Inc., New York, N. Y. Wines. Serial No. 388,269; Apr. 20. Class 47.
Lenirv Products Co. (See Wershow, Lena.)
Less Effort Products Co. (See Rulison, Earl F.)
Levin, A., & Co., Los Angeles, Calif. Fresh citrus and deciduous fruits, vegetables, and melons. Serial No. 387,381; Apr. 20. Class 46.
Levinsohn, Frank, & Bros. Inc., New York, N. Y. Coats and suits. Serial No. 388,786; Apr. 20. Class 39.
Levinsohn, Frank, & Bros. Inc., New York, N. Y. Coats and suits. Serial No. 388,842; Apr. 20. Class 39.
Lincoln Fabrics, Inc., New York, N. Y. Cotton cloth. Serial No. 387,947; Apr. 20. Class 42.
Lipps, Morris, doing business as Greater New York Bedding Co., New York, N. Y. Couches and day beds. Serial No. 374,624; Apr. 20. Class 32.
Loewus, G., & Co., Inc., Newark, N. J. Wines. Serial No. 389,187; Apr. 20. Class 47.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Crackers, cakes, and cookies. Serial No. 389,188; Apr. 20. Class 46.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Crackers, cakes, and cookies. Serial No. 389,740; Apr. 20. Class 46.
Louisiana State Rice Milling Company, Inc., Abberille, La. Rice. Serial No. 388,398; Apr. 20. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 388,581; Apr. 20. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Empty wrappers and bags. Serial No. 383,586; Apr. 20. Class 2.
Lowe, Joe, Corporation, New York, N. Y. Empty wrappers and bags. Serial No. 383,589; Apr. 20. Class 2.
Luchow Importing Corporation, New York, N. Y. Beer. Serial No. 389,324; Apr. 20. Class 48.
Lukomske, Paul M., Stratfield, Bridgeport, Conn. Furnaces. Serial No. 378,027; Apr. 20. Class 34.
Lustre Laboratories. (See Megquier, James C.)
Marblette Corporation, The, Long Island City, N. Y. Composition products of cast synthetic resin. Serial No. 388,647; Apr. 20. Class 1.
Marshall Field & Company, Chicago, Ill. Toilet soaps. Serial No. 388,262; Apr. 20. Class 4.
Martin, William T., Sandusky, Ohio. Hay fever medicine. Serial No. 386,809; Apr. 20. Class 6.
Mason-Neilan Regulator Company, Boston, Mass. Indicating liquid level controllers and pressure controllers. Serial No. 385,594; Apr. 20. Class 26.
Mason-Neilan Regulator Company, Boston, Mass. Pressure, temperature, and flow control instruments. Serial No. 386,040; Apr. 20. Class 26.
Mayer, Ed R., Amarillo, Tex. Manufactured brick and manufactured concrete and similar building material. Serial No. 374,725; Apr. 20. Class 12.
Maynard, Forest J., doing business as Forest J. Maynard Co., San Francisco, Calif. Canned fruits, canned vegetables. Serial No. 387,195; Apr. 20. Class 46.
Meadow Brook Candy Co., Moline, Ill. Candy. Serial No. 388,253; Apr. 20. Class 46.
Megquier, James C., doing business as Lustre Laboratories, Lynn, Mass. Powder for cleaning dentures and denture plates. Serial No. 389,326; Apr. 20. Class 4.
Menasha Products Company, Menasha, Wis. Waxed paper. Serial No. 379,120; Apr. 20. Class 37.
Metropolitan Cigar Corporation, Chicago, Ill. Cigars. Serial No. 387,673; Apr. 20. Class 17.
Meyer, Herman, Astoria, N. Y. Iodine preparation for antiseptic use. Serial No. 389,424; Apr. 20. Class 6.
Michels', Barthold, Son Co. Inc., New York, N. Y. Cheese, cheese mixed with wine, and cheese mixed with liquors. Serial No. 387,813; Apr. 20. Class 46.
Micromatic Hone Corporation, Detroit, Mich. Apparatus for aligning blocks to be machined. Serial No. 382,985; Apr. 20. Class 26.
Micromatic Hone Corporation, Detroit, Mich. Apparatus for tightening bolts and the like. Serial No. 382,987; Apr. 20. Class 23.
Micromatic Hone Corporation, Detroit, Mich. Hone. Serial No. 382,989; Apr. 20. Class 23.
Micromatic Hone Corporation, Detroit, Mich. Apparatus for collecting and separating grit, etc., from air. Serial No. 382,991; Apr. 20. Class 23.
Miller, Gray E., Pittsburgh, Pa. Toy guns. Serial No. 388,402; Apr. 20. Class 22.
Monarch Metal Weatherstrip Corporation, St. Louis, Mo. Metal weatherstrips. Serial No. 387,389; Apr. 20. Class 12.
Morse, Lockhart & Morse, Inc., Boston, Mass. Fuel control valves. Serial No. 388,275; Apr. 20. Class 13.
Morville Liquor Corp. (See Stoll, A. H., Co.)
Müller, Ferdinand C. H., Swanton, Ohio. Playing cards and games together with boards and equipment. Serial No. 388,403; Apr. 20. Class 22.
National Aniline & Chemical Company, Inc., New York, N. Y. Chemical compositions. Serial No. 389,092; Apr. 20. Class 4.
National Carbon Company, Inc., New York, N. Y. Compositions for removing sludge from crankcases, etc. Serial No. 389,616; Apr. 20. Class 6.
Non-Glare Chemical Company, Evanston, Ill. Cleaning preparation. Serial No. 386,655; Apr. 20. Class 4.
Nutro Food Products Company, Newark, N. J. Chocolate flavored malt preparation. Serial No. 386,554; Apr. 20. Class 46.
P & Q Shops Inc., New York, N. Y. Suits and overcoats. Serial No. 389,395; Apr. 20. Class 39.
Parfums Charbert, Inc., New York, N. Y. Perfume. Serial No. 388,722; Apr. 20. Class 6.
Parfums Duvee, Inc., New York, N. Y. Cleaning compound. Serial No. 389,372; Apr. 20. Class 4.
Parker-Bouldin Company. (See Rothschild, Harold L.)
Park-Way Cosmetic Company, Minneapolis, Minn. Toilet preparations. Serial No. 388,724; Apr. 20. Class 6.
Paton, John G., Company, Inc., The, New York, N. Y. Honey. Serial No. 361,706; Apr. 20. Class 46.
Paul Mfg. Co., Framingham, Mass. Aprons and house dresses. Serial No 389,034; Apr. 20. Class 39.

Payson Publishing, Inc., New York, N. Y. Magazines. Serial No. 388,023; Apr. 20. Class 38.
Penick & Ford, Ltd. Incorporated, New York, N. Y., and New Orleans, La. Molasses. Serial No. 386,316; Apr. 20. Class 46.
Petri Cigar Company, doing business as Petri Wine Company, San Francisco, Calif. Wines. Serial No. 384,476; Apr. 20. Class 47.
Pig 'n Whistle Management Corporation, Atlanta, Ga. Coffee, meats. Serial No. 387,753; Apr. 20. Class 46.
Places Publishing Associates. (See Hudson, C. D.)
Pohl, Firma G. (See Boskamp, Kurt.)
Pretti, Joseph G., Oakland, Calif. Fuel oil gassifier for internal combustion motors. Serial No. 387,919; Apr. 20. Class 23.
Regene Co. (See Greene, Albert F.)
Rite-Way Products, Inc., Memphis, Tenn. Vulcanizing patches and repair kits and heating units. Serial No. 388,542; Apr. 20. Class 35.
Rosefield, John B., doing business as An-Fo Manufacturing Co., Oakland, Calif. Insect poisons. Serial No. 387,711; Apr. 20. Class 6.
Rothschild, Harold L., doing business as Parker-Bouldin Company, St. Paul, Minn. Cosmetics. Serial No. 373,619; Apr. 20. Class 6.
Rulison, Earl F., doing business as Less Effort Products Co., Chicago, Ill. Hand cleanser, all purpose cleanser and automobile dry cleaning compound. Serial No. 386,663; Apr. 20. Class 4.
Ryberg, Bebe, San Francisco, Calif. Hair tonic. Serial No. 388,025; Apr. 20. Class 6.
San Martina Wines, Inc., Yonkers, N. Y. Wines. Serial No. 388,281; Apr. 20. Class 47.
Schindler's Peanut Products, Inc., Washington, D. C. Peanut butter. Serial No. 374,856; Apr. 20. Class 46.
Schofel Bros., Inc., Newark, N. J. Fresh vegetables. Serial No. 389,478; Apr. 20. Class 46.
Science Press, The. (See Cattell, J. McKeen.)
Sears, Roebuck and Co., Chicago, Ill. Window curtains. Serial No. 388,873; Apr. 20. Class 42.
Segal, H., New York, N. Y. Watch mainsprings. Serial No. 388,146; Apr. 20. Class 27.
Selle Jewelry Company, St. Louis, Mo. Diamond rings, bracelets, pins, etc. Serial No. 388,207; Apr. 20. Class 28.
Selmer, H. & A., Inc., Elkhart, Ind. Saxophones, clarinets, trumpets, etc. Serial No. 388,333; Apr. 20. Class 36.
Shane, C. B., Corporation, Chicago, Ill. Overcoats and top coats. Serial No. 389,199; Apr. 20. Class 39.
Shapiro, Saul R., Brooklyn, N. Y. Toy building blocks. Serial No. 389,040; Apr. 20. Class 22.
Shulton, Inc., New York, N. Y. Saponaceous compounds. Serial No. 389,041; Apr. 20. Class 4.
Slabine, Phillip, doing business as Great Atlantic Laboratories, Boston, Mass. Hair tonics. Serial No. 386,226; Apr. 20. Class 6.
Smack Corporation, The. (See Touraine Company, The, assignor.)
Societe Menier, Paris, France. Chocolates and candies. Serial No. 388,874; Apr. 20. Class 46.
Sommers, W. O., Inc., Chicago, Ill. Syrup used in mixing alcoholic and non-alcoholic drinks. Serial No. 388,284; Apr. 20. Class 45.
Southern Calif. Poultry Co., Los Angeles, Calif. Eggs, poultry and turkeys. Serial No. 385,542; Apr. 20. Class 46.
Southern Friction Materials Company, Charlotte, N. C. Ignition cable, ignition wire, and friction tape. Serial No. 389,387; Apr. 20. Class 21.
Speigel, Walter, New York, N. Y. Inter-office radio-telephone communication system. Serial No. 387,519; Apr. 20. Class 21.
Sponge Rubber Products Co., Derby, Conn. Resilient sealing rings for toilet seats. Serial No. 378,455; Apr. 20. Class 13.
Squibb, E. R., & Sons, New York, N. Y. Preparations for nasal administration. Serial No. 388,688; Apr. 20. Class 6.
Standard Oil Development Company, Linden, N. J. Chemical compound. Serial No. 388,855; Apr. 20. Class 6.
Stevens & Thompson Paper Company, New York, N. Y. Toilet paper. Serial No. 388,662; Apr. 20. Class 37.
Stoll, A. H., Co., doing business as Morville Liquor Corp., San Francisco, Calif. Whiskey and gin. Serial No. 388,856; Apr. 20. Class 49.
Stratford Knitting Mills, Incorporated, Linfield, Pa. Knitted bed jackets and pajamas. Serial No. 388,550; Apr. 20. Class 39.
Stroock, S., & Co. Inc., New York, N. Y. Woven cloth. Serial No. 387,295; Apr. 20. Class 42.
Sun Oil Company, Philadelphia, Pa. Fuel oils. Serial No. 388,470; Apr. 20. Class 15.
Tanzi, Mario, doing business as Mario Tanzi Co., Chicago, Ill. Macaroni. Serial No. 389,157; Apr. 20. Class 46.
Taylor-Friedsam Company, The, New York, N. Y. Belting. Serial No. 388,553; Apr. 20. Class 42.
Terra Bella Citrus Assn., Terra Bella, Calif. Fresh citrus fruits. Serial No. 374,442; Apr. 20. Class 46.
Texas Gulf Sulphur Company, New York, N. Y. Sulphur asphalt compounds. Serial No. 389,203; Apr. 20. Class 12.
Touraine Company, The, Cambridge, Mass., assignor to The Smack Corporation, New York, N. Y. Frozen confections. Serial No. 373,508; Apr. 20. Class 46.
Triplewear Brake Linings Corporation, Paterson, N. J. Wicks for liquid fuel burners. Serial No. 389,276; Apr. 20. Class 34.
United Pure Food Co., New York, N. Y. Edible vegetable oils. Serial No. 389,338; Apr. 20. Class 46.
Universal Camera Corporation, New York, N. Y. Cameras. Serial No. 389,202; Apr. 20. Class 26.
University of Chicago, The, Chicago, Ill. Periodicals. Serial No. 368,160; Apr. 20. Class 38.
Vermont Marble Company, Proctor, Vt. Marble tile. Serial No. 389,278; Apr. 20. Class 12.
Victorius, M. L., & Co., Inc., New York, N. Y. Hosiery. Serial No. 360,254; Apr. 20. Class 39.
Vimpep Foods, Inc., Cambridge, Md. Dog food and cat food. Serial No. 388,998; Apr. 20. Class 46.
Virginia-Carolina Chemical Corporation, Richmond, Va. Fertilizers. Serial No. 389,000; Apr. 20. Class 10.
Von Schrader Manufacturing Company, Racine, Wis. Cleaning machines. Serial No. 387,423; Apr. 20. Class 23.
Wagner, Jacob, Brooklyn, N. Y. Wines. Serial No. 388,336; Apr. 20. Class 47.
Walgreen Co., Chicago, Ill. Playing cards. Serial No. 384,574; Apr. 20. Class 22.
Washburn Company, The, Worcester, Mass. Sieves, strainers, metal soap dishes, etc. Serial No. 387,760; Apr. 20. Class 13.
Weiss, Max, New York, N. Y. Watches, watch cases, watch movements. Serial No. 387,846; Apr. 20. Class 27.
Wells, Leonard H., Zanesville, Ohio. Ground meat sandwiches. Serial No. 383,664; Apr. 20. Class 46.
Wershow, Lena, doing business as Lenirv Products Co., New York, N. Y. Cough syrup, astringent mouth wash, cold tablets, etc. Serial No. 388,622; Apr. 20. Class 6.
Western Grain Company, Birmingham, Ala. Horse and mule feed, laying mash, scratch feed, etc. Serial Nos. 389,538–9; Apr. 20. Class 46.
West Indies Produce Corp., New York, N. Y. Fruit preserves. Serial No. 385,117; Apr. 20. Class 46.
Whitmore Manufacturing Company, The, Cleveland, Ohio. Lubricating oil and grease compounds. Serial No. 385,321; Apr. 20. Class 15.
Williams, J. H., & Co., Buffalo, N. Y. Tool handles. Serial No. 383,793; Apr. 20. Class 23.
Wisconsin Great Lakes Coal & Dock Co., Milwaukee, Wis. Coal. Serial No. 387,641; Apr. 20. Class 1.
Wishinsky, William, New York, N. Y. Fruit and vegetable juice extracting machines. Serial No. 386,920; Apr. 20. Class 23.
Wood Ridge Manufacturing Co. Inc., The, Wood Ridge, N. J. Mecurial salts, corrosive sublimate, calomel, etc. Serial No. 388,424; Apr. 20. Class 6.
Zeen Chemical Company. (See Goldman, D. H.)

LIST OF REGISTRANTS OF TRADE-MARKS

American Bemberg Corporation, New York, N. Y. Thread and yarn. 345,261; Apr. 20; Serial No. 386,092; published Feb. 9, 1937. Class 43.
American Bleached Goods Company, assignor to American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods. 117,239; renewed June 26, 1937.
American Wet Beverage Company. (See Bloch, Joseph.)
Anchor Concrete Machinery Company. (See Friel, George M.)
Anglo-French Laboratories, Inc., New York, N. Y. Medicines for use as a cathartic. 345,256; Apr. 20; Serial No. 386,007; published Feb. 2, 1937. Class 6.
Arlene Chocolate Co. Inc., Brooklyn, N. Y. Chocolate candies. 345,206; Apr. 20; Serial No. 384,313; published Feb. 9, 1937. Class 46.
Armand Company, The, Des Moines, Iowa. Toilet soaps. 117,631; renewed July 24, 1937.
Aron, J., & Company, Inc., San Francisco, Calif. Green coffee. 345,200; Apr. 20; Serial No. 383,288; published Feb. 9, 1937. Class 46.
Atkinson, W. M., to Atkinson Milling Company, Minneapolis, Minn., successor. Wheat-flour. 115,055; renewed Jan. 23, 1937.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 345,271; Apr. 20; Serial No. 386,237; published Feb. 9, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes and smoking tobacco. 345,272; Apr. 20; Serial No. 386,238; published Feb. 9, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 345,274–5; Apr. 20; Serial Nos. 386,285–6; published Feb. 9, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 345,276–7; Apr. 20; Serial Nos. 386,288–9; published Feb. 9, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 345,278; Apr. 20; Serial No. 386,291; published Feb. 9, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 345,279; Apr. 20; Serial No. 386,294; published Feb. 9, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 345,280–2; Apr. 20; Serial Nos. 386,296–8; published Feb. 9, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 345,283; Apr. 20; Serial No. 386,300; published Feb. 9, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 345,290; Apr. 20; Serial No. 386,469; published Feb. 9, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 345,291; Apr. 20; Serial No. 386,471; published Feb. 9, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 345,292; Apr. 20; Serial No. 386,473; published Feb. 9, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 345,293–300; Apr. 20; Serial Nos. 386,516–23; published Feb. 9, 1937. Class 17.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 345,301–5; Apr. 20; Serial Nos. 386,525–9; published Feb. 9, 1937. Class 17.
Bay State Abrasive Products Company, Westboro, Mass. Grinding, etc., wheels; cylinder honing stones, rubbing sticks, etc. 345,340; Apr. 20. Class 4.
Bear Brand Hosiery Co. (See Paramount Knitting Company, assignor.)
Beeman, Henry F., doing business as Beeman Company, Denver, Colo. Vacuum cleaners. 345,236; Apr. 20; Serial No. 385,470; published Feb. 9, 1937. Class 23.
Beich, Paul F., Company, Bloomington, Ill. Chocolates and confections. 117,021; renewed June 12, 1937.
Belding Heminway Company. (See Heminway, M., & Sons Silk Co., assignor.)
Beverwyck Breweries, Inc., Albany, N. Y. Ales and lager beers. 345,323; Apr. 20; Serial No. 386,757; published Feb. 9, 1937. Class 48.
Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweepers. 345,318; Apr. 20; Serial No. 386,719; published Feb. 9, 1937. Class 23.
Black & Decker Manufacturing Company, The, Towson, Md. Electric air-compressors. 345,260; Apr. 20; Serial No. 386,070; published Feb. 9, 1937. Class 23.
Bloch, Joseph, doing business as American Wet Beverage Company, Omaha, Nebr. Beverages. 345,319; Apr. 20; Serial No. 386,720; published Feb. 9, 1937. Class 45.
Botany Worsted Mills, Passaic, N. J. Yarns. 345,197; Apr. 20; Serial No. 382,941; published Feb. 2, 1937. Class 43.
Burgess Battery Company, Madison, Wis., to Burgess Battery Company, Chicago, Ill. Electric batteries. 117,515; renewed July 17, 1937.
Burgess Battery Company, Madison, Wis., to Burgess Battery Company, Chicago, Ill. Electric batteries. 117,995–6; renewed Aug. 14, 1937.
Business News Publishing Co., Detroit, Mich. Periodical. 345,267; Apr. 20; Serial No. 386,201; published Feb. 9, 1937. Class 38.
Butler, Julius W., doing business as Sun Waters, Bozeman, Mont. Natural mineral waters. 345,178; Apr. 20; Serial No. 376,192; published Feb. 9, 1937. Class 45.
California Dental Supply Co., doing business as Dengene Laboratories, Los Angeles, Calif. Mouth wash and gargle, ointment, deodorant, etc. 345,218; Apr. 20; Serial No. 385,031; published Feb. 9, 1937. Class 6.
Campbell, A. S., Company, Boston, assignor to A. S. Campbell Co., Inc., East Boston, Mass. Hot-water bottles. 115,879; renewed Mar. 20, 1937.
Cantrell & Cochrane, Limited, Dublin and Belfast, Ireland. Ginger-ale. 115,068; renewed Jan. 23, 1937.
Capewell Manufacturing Company, The, Hartford, Conn. Horse nails. 345,264; Apr. 20; Serial No. 386,150; published Feb. 9, 1937. Class 13.
Capital City Products Company, The, Columbus, Ohio. Purely vegetable shortening. 345,346; Apr. 20. Class 46.
Carefoot, E. M., Belleville, Ontario, Canada. Natural mineral and medicinal waters. 345,215; Apr. 20; Serial No. 384,882; published Feb. 9, 1937. Class 45.
Carey Salt Company, The, Hutchinson, Kans. Salt sold in cakes or blocks. 345,320; Apr. 20; Serial No. 386,721; published Feb. 9, 1937. Class 46.
Carson-Newton Company, Newark, N. J. Files, rasps, reamers, and rifflers. 345,235; Apr. 20; Serial No. 385,393; published Feb. 9, 1937. Class 23.
Celastic Corporation, The, Wilmington, Del., and Arlington, N. J. Softeners, i. e., chemical solutions used in the shoe industry. 345,214; Apr. 20; Serial No. 384,843; published Feb. 2, 1937. Class 6.
Celotex Corporation, The, Chicago, Ill. Structural heat insulation and acoustical materials. 345,259; Apr. 20; Serial No. 386,065; published Jan. 26, 1937. Class 12.
Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 345,324; Apr. 20; Serial No. 386,789; published Feb. 9, 1937. Class 46.
Chase Brass & Copper Co. Incorporated, assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Bottle openers. 345,338; Apr. 20. Class 23.
Chase, L. C., & Company, Boston, Mass., assignor to Sanford Mills, Sanford, Maine. Knitted, netted, and textile fabrics. 118,383; renewed Sept. 4, 1937.
Chemical Specialty Company. (See Lowy, Benno.)
Clancy Publications, Inc., New York, N. Y. Magazine. 345,314–5; Apr. 20; Serial Nos. 386,619–20; published Feb. 9, 1937. Class 38.
Clearwater Growers Association, Clearwater, Fla. Fresh citrus fruits. 345,327; Apr. 20; Serial No. 386,849; published Feb. 9, 1937. Class 46.
Codman, F. L., & J. C., Company, Rockland, Mass. Buffing wheels. 345,205; Apr. 20; Serial No. 384,193; published Feb. 9, 1937. Class 4.
Colgate & Co., Jersey City, N. J., and New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Perfumes, toilet powders, toilet waters, etc. 117,026; renewed June 12, 1937.
Colgate-Palmolive-Peet Company. (See Peet Bros. Mfg. Co., assignor.)
Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 345,247; Apr. 20; Serial No. 385,722; published Feb. 9, 1937. Class 4.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet and shaving soap. 345,254; Apr. 20; Serial No. 385,973; published Feb. 9, 1937. Class 4.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Liquid and powder perfume, toilet water, face powder, etc. 345,255; Apr. 20; Serial No. 385,974; published Feb. 9, 1937. Class 6.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 345,310; Apr. 20; Serial No. 386,579; published Feb. 9, 1937. Class 4.
Collingbourne Mills, Inc., doing business as Virginia Snow Studios, Elgin, Ill. Darning cotton and sewing and mending thread and yarn. 345,257; Apr. 20; Serial No. 386,013; published Feb. 9, 1937. Class 43.
Collins, Tom, Corporation, The, Covington, Ky. Wine with carbonated water and flavoring. 345,229–32; Apr. 20; Serial Nos. 385,333–6; published Feb. 9, 1937. Class 47.
Colonial Grape Products Company of California, San Francisco, Calif. Wines. 345,328; Apr. 20. Class 47.
Compañia Argentina de Quebracho "Marca Formosa" Sociedad Anónima, Buenos Aires, Argentina. Tanning extracts. 345,237; Apr. 20; Serial No. 385,565; published Feb. 2, 1937. Class 6.
Consolidated Cement Corporation, Chicago, Ill. Portland cement. 345,225; Apr. 20; Serial No. 385,214; published Jan. 26, 1937. Class 12.
Consolidated Steel Strapping Company. (See Signode System, Inc.)
Consolidated Textile Corporation. (See Windsor Print Works, assignor.)
Cooper & Cooper, Inc., Brooklyn, N. Y. Razor blades. 345,321; Apr. 20; Serial No. 386,724; published Feb. 9, 1937. Class 23.
Crown Silver Company, Inc., Brookline, Mass. Silver plated hollow ware. 345,211; Apr. 20; Serial No. 384,736; published Feb. 2, 1937. Class 28.
Dengene Laboratories. (See California Dental Supply Co.)
Diesel Tire Corporation, New York, N. Y. Rubber tires and inner tubes therefor, and patches. 345,344; Apr. 20. Class 35.
Dinhofer Bros., Inc., New York, N. Y. Watches, watch-cases, and watch movements. 345,216; Apr. 20; Serial No. 384,886; published Feb. 9, 1937. Class 27.
Dubinsky, Sam, Kansas City, Mo. Dish towels. 345,202; Apr. 20; Serial No. 383,917; published Feb. 9, 1937. Class 42.
Eastyarn, Inc., Brooklyn, N. Y. Yarns. 345,179; Apr. 20; Serial No. 376,338; published Jan. 26, 1937. Class 43.
Ebbert, Daniel F., Wheeling, W. Va. Finger rings and pins. 345,250; Apr. 20; Serial No. 385,782; published Feb. 9, 1937. Class 28.
Eberly, John A., Mohnton, Pa. Latch needle. 345,342; Apr. 20. Class 23.
Everedy Company, The, Frederick, Md. Base metal cooking hollow ware. 345,347; Apr. 20. Class 13.
F. & F. Packing Company. (See Fricke, Walter F.)
Fairchild Bros. & Foster, New York, N. Y. Pharmaceutical preparation. 116,049; renewed Apr. 3, 1937.
Faultless Rubber Company, The, Ashland, Ohio. Household rubber gloves. 118,284; renewed Aug. 28, 1937.
Fletcher Oil Company, Boise, Idaho. Electrical products. 345,306; Apr. 20; Serial No. 386,536; published Feb. 9, 1937. Class 21.

Florida Portland Cement Company, Chicago, Ill. Portland cement. 345,226; Apr. 20; Serial No. 385,222; published Jan. 26, 1937. Class 12.
Foot, S. B., Tanning Co., Red Wing, Minn. Leather. 345,336; Apr. 20. Class 1.
Frederick & Nelson, Seattle, Wash., assignor to Marshall Field & Company, Chicago, Ill. Trunks. 114,961; renewed Jan. 16, 1937.
Fricke, Walter F., doing business as F. & F. Packing Company, Chicago, Ill., assignor to Highland Sales Company, Denver, Colo. Beverages, fruit juices, and flavoring substances. 345,219–20; Apr. 20; Serial Nos. 385,035–6; published Feb. 9, 1937. Class 45.
Friel, George M., doing business as Anchor Concrete Machinery Company, Columbus, Ohio. Machinery for manufacturing concrete building units. 345,311; Apr. 20; Serial No. 386,585; published Feb. 9, 1937. Class 23.
Fromm, Solomon, doing business as S. Fromm, Brooklyn, N. Y. Rayon piece goods. 345,199; Apr. 20; Serial No. 383,163; published Feb. 9, 1937. Class 42.
Fuhremann Canning Company, Appleton, Wis. Canned peas. 345,196; Apr. 20; Serial No. 382,591; published Feb. 9, 1937. Class 46.
General Body & Hoist Company, Everett, Mass. Truck tank bodies and truck hoist dump bodies. 345,286; Apr. 20; Serial No. 386,388; published Feb. 9, 1937. Class 19.
General Tire & Rubber Company, The, Akron, Ohio. Tires of fabric and rubber. 345,165; Apr. 20; Serial No. 345,622; published Feb. 9, 1937. Class 35.
Gilman Brothers, Inc., Boston, Mass. Whiskey. 345,180; Apr. 20; Serial No. 378,484; published July 7, 1936. Class 49.
Goldberg, Shepard J., Inc., New York, N. Y. Wines. 345,248; Apr. 20; Serial No. 385,730; published Feb. 9, 1937. Class 47.
Greenpoint Metallic Bed Company, Inc., Brooklyn, N. Y. Bed springs and mattresses. 345,317; Apr. 20; Serial No. 386,710; published Feb. 9, 1937. Class 32.
Greist Manufacturing Company, The, New Haven, Conn. Electric lamps. 345,316; Apr. 20; Serial No. 386,647; published Feb. 9, 1937. Class 21.
Grocery Products Manufacturing Corporation, New York, N. Y. Canned mushrooms. 345,350; Apr. 20. Class 46.
Haber, Annie F., assignor to Fannie R. C. Haber, New York, N. Y. Coloring-matter for the hair. 114,636; renewed Dec. 26, 1936.
Hammel, Riglander & Co., New York, N. Y., to Societe Anonyme Verreries de Trois-Fontaines, Trois-Fontaines (Moselle), France, successor. Watch-glasses. 115,184; renewed Jan. 30, 1937.
Heinn Company, The, Milwaukee, Wis. Paper and stationery. 118,185; renewed Aug. 21, 1937.
Heilmann, Louis E., New York, N. Y. Ceramic table-ware. 345,262; Apr. 20; Serial No. 386,108; published Feb. 9, 1937. Class 30.
Heminway, M., & Sons Silk Co., Watertown, Conn., assignor, by mesne assignments, to Belding Heminway Company, New York, N. Y. Pure and artificial silk threads. 117,661; renewed July 24, 1937.
Highland Sales Company. (See Fricke, Walter F., assignor.)
Hoffman, J. S., Co., Inc., New York, N. Y. Cheese. 345,325; Apr. 20; Serial No. 386,805; published Feb. 9, 1937. Class 46.
Holcomb & Hoke Mfg. Co., Indianapolis, Ind. Peanut-bags. 116,766; renewed May 22, 1937.
Hooper, Wm. E., & Sons Co., Baltimore, Md. Wicks. 345,203; Apr. 20; Serial No. 384,082; published Feb. 9, 1937. Class 34.
International Bedding Company, The, Baltimore, Md. Davenports, day beds, couches, etc. 345,353; Apr. 20. Class 32.
International Cellucotton Products Company, Chicago, Ill. Sanitary napkins. 345,287–8; Apr. 20; Serial Nos. 386,430–31; published Feb. 9, 1937. Class 44.
International Silver Company, Meriden, Conn. Silver-plated flatware. 345,265; Apr. 20; Serial No. 386,162; published Feb. 2, 1937. Class 28.
King Features Syndicate, Inc., New York, N. Y., assignor to Stephen Slesinger, Inc., New York, N. Y. Cartoons. 345,284; Apr. 20; Serial No. 386,311; published Feb. 9, 1937. Class 38.
Kluger, H., New York, N. Y. Silk piece goods. 345,339; Apr. 20. Class 42.
Kops Bros., assignor to Kops Brothers, Inc., New York, N. Y. Brassières, ladies' underwaists, and corsets. 118,051; renewed Aug. 14, 1937.
Krakau, Harry T., Cleveland, Ohio. Arch appliances. 345,221; Apr. 20; Serial No. 385,045; published Feb. 9, 1937. Class 44.
Les Parfums Worth de Paris, Inc., New York, N. Y. Perfumes. 345,312; Apr. 20; Serial No. 386,592; published Feb. 2, 1937. Class 6.
Levinson, Morris, Baltimore, Md. Suits, trousers, topcoats, and overcoats. 345,349; Apr. 20. Class 39.
Loft, Inc., Long Island City, N. Y. Fudge sauce, cocoa, malted milk, etc. 345,164; Apr. 20; Serial No. 330,822; published Feb. 9, 1937. Class 46.
Lowry-Rodgers Company, doing business as Alfred Lowry & Bro., Philadelphia, Pa. Toilet paper. 345,170; Apr. 20; Serial No. 369,854; published Feb. 9, 1937. Class 37.
Lowy, Benno, doing business as Chemical Specialty Company, San Francisco, Calif. Chemical composition used as a selective precipitant of excess lime and magnesia. 345,210; Apr. 20; Serial No. 384,542; published Feb. 9, 1937. Class 48.
Lubbers & Bell Manufacturing Company, Clinton, Iowa. Fly swatters. 345,348; Apr. 20. Class 50.
Lucas, J. L., & Sons, Inc., Bridgeport, Conn. Machine tools, lathes, grinding machines, etc. 345,343; Apr. 20. Class 23.
Madison Foods. (See Rural Educational Association.)
Maison Jeurelle-Seventeen, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 345,175; Apr. 20; Serial No. 374,975; published Feb. 2, 1937. Class 6.
Manufactures de Velours et Peluches, Lyon, France. Piece goods. 345,307–8; Apr. 20; Serial Nos. 386,545–6; published Feb. 9, 1937. Class 42.
Marshall Field & Company. (See Frederick & Nelson, assignor.)
May & Malone, Chicago, Ill., to May & Malone, Inc., Cincinnati, Ohio, successor. Jewelry and precious-metal ware. 114,901; renewed Jan. 9, 1937.
Mayfair Yarncraft. (See Osborne, Glenn E.)
McClure, Jack B., doing business as Mid-West Products Company, Indianapolis, Ind. Prophylactic lambskin articles and rubber articles. 345,204; Apr. 20; Serial No. 384,094; published Feb. 9, 1937. Class 44.
Mears, Stowell W., New York, N. Y. Humidifiers. 345,223; Apr. 20; Serial No. 385,165; published Feb. 9, 1937. Class 34.
Meldman, Edward C., Milwaukee, Wis. Quick setting liquid latex rubber perfected for chiropodists. 345,253; Apr. 20; Serial No. 385,933; published Feb. 9, 1937. Class 44.
Mey, Hans, doing business as Sea Tang Oyster Co., New York, N. Y. Fresh oysters and clams. 345,233; Apr. 20; Serial No. 385,364; published Feb. 9, 1937. Class 46.
Mid-West Products Company. (See McClure, Jack B.)
Missouri Mill & Elevator Co. (See Washburn Crosby Company.)
Monsanto Chemical Company, St. Louis, Mo. Resins and hydrocarbon polymers. 345,181; Apr. 20; Serial No. 378,850; published Feb. 9, 1937. Class 1.
Mount Olive Pickle Co., Inc., Mount Olive, N. C. Pickles and sweet pickle relishes. 345,241–2; Apr. 20; Serial Nos. 385,636–7; published Feb. 9, 1937. Class 46.
Mouton Rice Milling Co., Harrisburg, Ark. Rice. 345,268–70; Apr. 20; Serial Nos. 386,217–9; published Feb. 9, 1937. Class 46.
Na-Mac Products Corp., Los Angeles, Calif. Detachable base metal dispenser tops. 345,213; Apr. 20; Serial No. 384,812; published Feb. 9, 1937. Class 13.
National Bearing Metals Corporation, St. Louis, Mo. Journal bearing and box units. 345,182; Apr. 20; Serial No. 379,127; published Feb. 9, 1937. Class 23.
Nieman, John H., Clay Center, Nebr. Balm for external use for the alleviation of infections of the skin. 117,905; renewed Aug. 7, 1937.
Nolde and Horst Company, The, Reading, Pa. Hosiery. 345,332–4; Apr. 20. Class 39.
Nonpareil Mfg. Co. (See Sandeberg, Alvie E.)
Ohio Bronze Powder Company, The. (See Premier Bronze Powder Co., The, assignor.)
Osann Corporation, The, Elizabethport, N. J., and New York, N. Y. Sewing machines. 345,309; Apr. 20; Serial No. 386,555; published Feb. 9, 1937. Class 23.
Osborn Paper Company, Marion, Ind. Writing tablets, pencil tablets, composition books, etc. 345,330; Apr. 20. Class 37.
Osborne, Glenn E., doing business as Mayfair Yarncraft, New York, N. Y. Yarns. 345,243; Apr. 20; Serial No. 385,674; published Feb. 9, 1937. Class 43.
Osborne, Glenn E., doing business as Mayfair Yarncraft, New York, N. Y. Yarns. 345,326; Apr. 20; Serial No. 386,811; published Feb. 9, 1937. Class 43.
Owensboro Ditcher & Grader Company, Owensboro, Ky. Road graders, farm ditchers, field terracers. 345,352; Apr. 20. Class 23.
Pacific Coast Borax Company, New York, N. Y. Soap and borax powder preparation. 345,251; Apr. 20; Serial No. 385,798; published Feb. 9, 1937. Class 4.
Paramount Knitting Company, Chicago, assignor to Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Hosiery. 116,449; renewed May 1, 1937.
Patent Cereals Company, Geneva, N. Y. Chemical preparation for a wall paper remover. 345,263; Apr. 20; Serial No. 386,124; published Feb. 9, 1937. Class 6.
Peet Bros. Mfg. Co., Kansas City, Kans., assignor, by mesne assignments, to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 117,196; renewed June 19, 1937.
Pennsylvania Cooperative Potato Growers Association, Inc., Bellefonte, Pa. Potatoes. 345,238; Apr. 20; Serial No. 385,603; published Feb. 9, 1937. Class 46.
Pereles Bros. Inc., Milwaukee, Wis. Spectacles. 345,252; Apr. 20; Serial No. 385,799; published Feb. 9, 1937. Class 26.

Pllbrico Jointless Firebrick Company, Chicago, Ill. Castable refractory material. 345,224; Apr. 20; Serial No. 385,200; published Feb. 2, 1937. Class 12.
Politics, Inc., Washington, D. C. Magazine. 345,239; Apr. 20; Serial No. 385,604; published Feb. 9, 1937. Class 38.
Premier Bronze Powder Co., The, assignor to The Ohio Bronze Powder Company, Cleveland, Ohio. Bronzing liquids, enamels, and bronze powders. 117,606; renewed July 17, 1937.
Pressure Oil Burners, Inc., doing business as Viking Manufacturing Co., York, Pa. Oil burners. 345,189; Apr. 20; Serial No. 381,690; published Feb. 9, 1937. Class 34.
Purity Paint Products Corporation, Brooklyn, N. Y. Paints, paint enamels, paint pastes, etc. 345,351; Apr. 20. Class 16.
Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Machines for peening and reshaping pistons and parts of said machines. 345,240; Apr. 20; Serial No. 385,605; published Feb. 9, 1937. Class 23.
Rejuvia Beauty Laboratories, Inc., New York, N. Y. Lipstick. 345,166; Apr. 20; Serial No. 363,666; published Nov. 17, 1936. Class 6.
Richards Chemical Works, The, Jersey City, N. J. Chemical substance used as a detergent. 345,171–2; Apr. 20; Serial Nos. 372,210–1; published Feb. 2, 1937. Class 6.
Rural Educational Association, doing business as Madison Foods, Madison College, Tenn. Soy bean flour and bread. 345,192; Apr. 20; Serial No. 382,239; published Feb. 9, 1937. Class 46.
Rural Educational Association, doing business as Madison Foods, Madison College, Tenn. Canned protein meat-like food. 345,193; Apr. 20; Serial No. 382,241; published Feb. 9, 1937. Class 46.
Rural Educational Association, doing business as Madison Foods, Madison College, Tenn. Non-caffeine food beverage. 345,194; Apr. 20; Serial No. 382,242; published Feb. 9, 1937. Class 46.
Safeway Stores, Incorporated, Reno, Nev. Bread. 345,173; Apr. 20; Serial No. 372,433; published Feb. 9, 1937. Class 46.
Sandeberg, Alvie E., doing business as Nonpareil Mfg. Co., St. Louis, Mo. Basket ball goals. 345,345; Apr. 20. Class 22.
Sandy Fabrics Corp., New York, N. Y. Printed textile piece goods. 345,273; Apr. 20; Serial No. 386,273; published Feb. 9, 1937. Class 42.
Sanford Mills. (See Chase, L. C., & Company, assignor.)
Schneider Brick & Tile Co. Inc., New Orleans, La. Clay roofing tile. 345,190; Apr. 20; Serial No. 381,740; published Jan. 26, 1937. Class 12.
Schneierson, I., & Sons, Inc., New York, N. Y. Chemises, princess slips, bloomers, etc. 345,341; Apr. 20. Class 39.
Sea Tank Oyster Co. (See Mey, Hans.)
Sherwin-Williams Co., The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 345,198; Apr. 20; Serial No. 383,073; published Nov. 3, 1936. Class 16.
Sherwin-Williams Co., The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 345,335; Apr. 20. Class 16.
Shulton, Inc., New York, N. Y. Soaps and shaving creams. 345,234; Apr. 20; Serial No. 385,376; published Feb. 9, 1937. Class 4.
Siegel Bros. Kiki Maid Koats Inc., New York, N. Y. Ladies' coats. 345,176; Apr. 20; Serial No. 375,352; published Apr. 28, 1936. Class 39.
Sight Light Corporation, The, New York, N. Y. Instrument for measuring and recording light intensities. 345,168; Apr. 20; Serial No. 365,358; published Feb. 9, 1937. Class 26.
Signal Mountain Portland Cement Company, Chicago, Ill. Portland cement. 345,227; Apr. 20; Serial No. 385,237; published Jan. 26, 1937. Class 12.
Signode System, Inc., by change of name to Consolidated Steel Strapping Company, Chicago, Ill. Stretching-tool. 116,691; renewed May 15, 1937.
Signode System, Inc., by change of name to Consolidated Steel Strapping Company, Chicago, Ill. Sealing-tool. 116,692; renewed May 15, 1937.
Signode System, Inc., by change of name to Consolidated Steel Strapping Company, Chicago, Ill. Seal. 116,862; renewed May 29, 1937.
Signode System, Inc., by change of name to Consolidated Steel Strapping Company, Chicago, Ill. Metal strapping. 116,863; renewed May 29, 1937.
Silmo Chemical Company, Inc., Vineland, N. J. Fish oil sticker and spreader preparation. 345,354; Apr. 20. Class 6.
Simmons Hardware Company, St. Louis, Mo. Safety razor blades. 345,322; Apr. 20; Serial No. 386,745; published Feb. 9, 1937. Class 23.
Slesinger, Stephen, Inc. (See King Features Syndicate, Inc.)
Slick-Shine Co. Inc., The, Newark, N. J. Chemical cleaning compound. 345,195; Apr. 20; Serial No. 382,396; published Feb. 9, 1937. Class 6.
Societe Anonyme Verreries De Trois-Fontaines. (See Hammel, Riglander & Co.)
Societe Le Rezo, Paris, France. Doors, architectural wall panels or partitions. 345,169; Apr. 20; Serial No. 368,488; published Feb. 2, 1937. Class 12.
Southern Dyestuff Corporation, Charlotte, N. C. Dyestuffs. 345,244–5; Apr. 20; Serial Nos. 385,704–5; published Feb. 2, 1937. Class 6.
Staley, A. E., Manufacturing Company, Decatur, Ill. Laundry starch. 345,191; Apr. 20; Serial No. 382,008; published Feb. 2, 1937. Class 6.
Stelz Company, Inc., New York, N. Y. Books, prints, labels, etc. 345,222; Apr. 20; Serial No. 385,070; published Feb. 9, 1937. Class 38.
Street & Smith Publications, Inc., New York, N. Y. Periodical. 345,266; Apr. 20; Serial No. 386,183; published Feb. 9, 1937. Class 38.
Sun Waters. (See Butler, Julius W.)
Swiss Radium & Dial Painting Co., Inc., The, New York, N. Y. Watch cases, watch dials and movements thereof, and clocks. 345,331; Apr. 20. Class 27.
Thermo Service Company, Inc., The, Chicago, Ill. Metal rings and covers. 345,174; Apr. 20; Serial No. 372,446; published Feb. 9, 1937. Class 13.
Thibaut, Richard E., Inc., New York, N. Y. Wall papers. 345,337; Apr. 20. Class 37.
Time, Incorporated, New York, N. Y. Newspaper column. 345,249; Apr. 20; Serial No. 385,758; published Feb. 9, 1937. Class 38.
Togstad, Vera P., doing business as C. I. Togstad Company, Kokomo, Ind. Water softener. 345,167; Apr. 20; Serial No. 365,220; published Feb. 9, 1937. Class 6.
Trinity Portland Cement Company, Chicago, Ill. Portland cement. 345,228; Apr. 20; Serial No. 385,238; published Jan. 26, 1937. Class 12.
Tru-Test Brokerage Corporation, Chicago, Ill., now by change of name Tru Test Marketing & Merchandising Corp. Checkers, golf bags, fishing reels, etc. 345,207; Apr. 20; Serial No. 384,483; published Dec. 8, 1936. Class 22.
Tru-Test Brokerage Corporation, Chicago, Ill., now by change of name Tru Test Marketing & Merchandising Corp. Padlocks. 345,208; Apr. 20; Serial No. 384,484; published Dec. 8, 1936. Class 25.
Tru-Test Brokerage Corporation, Chicago, Ill., now by change of name Tru Test Marketing & Merchandise Corp. Varnish brushes, spoke brushes, whiskbrooms, and dusting mitts. 345,209; Apr. 20; Serial No. 384,485; published Dec. 8, 1936. Class 29.
United States Air Conditioning Corporation, Minneapolis, Minn. Air conditioning units. 345,258; Apr. 20; Serial No. 386,055; published Feb. 9, 1937. Class 34.
U. S. Manufacturing Corporation, Decatur, Ill. Corn poppers. 345,212; Apr. 20; Serial No. 384,775; published Feb. 9, 1937. Class 13.
Universal Insulation Company, Chicago, Ill. High temperature thermal insulating cement. 345,217; Apr. 20; Serial No. 384,985; published Jan. 26, 1937. Class 12.
Utah Fuel Company, Clear Creek, and Salt Lake City, to Utah Fuel Company, Salt Lake City, Utah. Coal. 117,721; renewed July 24, 1937.
Vestalite Corporation, New York, N. Y. Cigar, cigarette, and pipe lighters. 345,183; Apr. 20; Serial No. 379,493; published Feb. 9, 1937. Class 34.
Viking Manufacturing Co. (See Pressure Oil Burners, Inc.)
Virginia Snow Studios. (See Collingbourne Mills, Inc.)
Voinvienti-Osuuslikke Valio r. l., Helsingfors, (Helsinki), Finland. Cheese, butter, condensed milk, and cream. 345,177; Apr. 20; Serial No. 376,017; published Feb. 9, 1937. Class 46.
Wanerus, Theodore A., Buffalo, Wyo. Newspaper column. 345,201; Apr. 20; Serial No. 383,663; published Feb. 9, 1937. Class 38.
Warner Brothers Company, The, Bridgeport, Conn. Corsets. 118,451; renewed Sept. 4, 1937.
Washburn Crosby Company, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Flour. 345,184; Apr. 20; Serial No. 379,931; published Feb. 9, 1937. Class 46.
Washburn Crosby Company, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Flour. 345,185; Apr. 20; Serial No. 379,933; published Feb. 9, 1937. Class 46.
Washburn Crosby Company, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Flour. 345,186–8; Apr. 20; Serial Nos. 379,936–8; published Feb. 9, 1937. Class 46.
Weill, Raphael, & Company, San Francisco, Calif. Piece goods, table cloths, napkins, etc. 345,329; Apr. 20. Class 42.
White, H. Kirk, & Co., Oconomowoc, Wis. Antiseptic mouth wash, healing ointment, throat tablets, etc. 345,246; Apr. 20; Serial No. 385,714; published Feb. 2, 1937. Class 6.
Wilber Co. Inc., Richmond, Va. Preparation for the treatment of anemia. 345,285; Apr. 20; Serial No. 386,323; published Feb. 2, 1937. Class 6.
Windsor Print Works, North Adams, Mass., and New York, N. Y., assignor to Consolidated Textile Corporation, New York, N. Y. Cotton piece goods and mixed silk and cotton piece goods. 118,366; renewed Aug. 28, 1937.
Winship Company, Inc., Utica, N. Y. Trunks, dress-suit cases, and handbags. 345,289; Apr. 20; Serial No. 386,466; published Feb. 9, 1937. Class 3.
Yardley Screen and Weather Strip Corporation, Columbus, Ohio. Venetian blinds and non-fabric cornices and valances therefor. 345,313; Apr. 20; Serial No. 386,614; published Feb. 9, 1937. Class 32.

LIST OF REGISTRANTS OF LABELS

Green Mountain Distillery, Inc., Burlington, Vt. Green Mountain Maple Liquor. For Maple Liquor. 49,222; Apr. 20.
Hong Kong Food Products Co., Chicago, Ill. Hong Kong. For Chow Mein Noodles. 49,223; Apr. 20.
Pierpont Manufacturing Company, Savannah, Ga. Volume One Bushel. For Potatoes. 49,224; Apr. 20.

LIST OF REGISTRANTS OF PRINTS

Schultz Brewing Company, Incorporated, Union City, N. J. Schultz. For Bock Beer. 16,166; Apr. 20.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Utah Fuel Company. 117,721; renewed July 24 1937.
Leather. S. B. Foot Tanning Co. 345,336; Apr. 20.
Resins and hydrocarbon polymers. Monsanto Chemical Company. 345,181; Apr. 20; Serial No. 378,850; published Feb. 9, 1937.

CLASS 2

Bags, Peanut. Holcomb & Hoke Mfg. Co. 116,766; renewed May 22, 1937.

CLASS 3

Trunks. Frederick & Nelson. 114,961; renewed Jan. 16, 1937.
Trunks, dress-suit cases, and handbags. Winship Company. 345,289; Apr. 20; Serial No. 386,466; published Feb. 9, 1937.

CLASS 4

Buffing wheels. F. L. & J. C. Codman Company. 345,205; Apr. 20; Serial No. 384,193; published Feb. 9, 1937.
Soap. Colgate-Palmolive-Peet Company. 345,247; Apr. 20; Serial No. 385,722; published Feb. 9, 1937.
Soap. Colgate-Palmolive-Peet Company. 345,310; Apr. 20; Serial No. 386,579; published Feb. 9, 1937.
Soap. Peet Bros. Mfg. Co. 117,196; renewed June 19, 1937.
Soap and borax powder preparation. Pacific Coast Borax Company. 345,251; Apr. 20; Serial No. 385,798; published Feb. 9, 1937.
Soap, Toilet and shaving. Colgate-Palmolive-Peet Company. 345,254; Apr. 20; Serial No. 385,973; published Feb. 9, 1937.
Soaps and shaving creams. Shulton, Inc. 345,234; Apr. 20; Serial No. 385,376; published Feb. 9, 1937.
Soaps, Toilet. Armand Company. 117,681; renewed July 24, 1937.
Wheels; cylinder honing stones, rubbing sticks, etc., Grinding, etc. Bay State Abrasive Products Company. 345,340; Apr. 20.

CLASS 6

Antiseptic mouth wash, healing ointment, throat tablets, etc. H. Kirk White & Co. 345,246; Apr. 20; Serial No. 385,714; published Feb. 2, 1937.
Astringents, astringent cerates, bleach creams, etc. Maison Jeurelle-Seventeen, Inc. 345,175; Apr. 20; Serial No. 374,975; published Feb. 2, 1937.
Balm for external use for the alleviation of infections of the skin. J. H. Nieman. 117,905; renewed Aug. 7, 1937.
Chemical preparation for a wall paper remover. Patent Cereals Company. 345,263; Apr. 20; Serial No. 386,124; published Feb. 9, 1937.
Chemical substance used as a detergent. Richards Chemical Works. 345,171–2; Apr. 20; Serial Nos. 372,210–1; published Feb. 2, 1937.
Cleaning compound, Chemical. Slick-Shine Co. Inc. 345,195; Apr. 20; Serial No. 382,396; published Feb. 9, 1937.
Coloring-matter for the hair. A. F. Haber. 114,636; renewed Dec. 26, 1936.
Dyestuffs. Southern Dyestuff Corporation. 345,244–5; Apr. 20; Serial Nos. 385,704–5; published Feb. 2, 1937.
Fish oil sticker and spreader preparation. Silmo Chemical Company. 345,354; Apr. 20.
Lipstick. Rejuvia Beauty Laboratories, Inc. 345,166; Apr. 20; Serial No. 363,666; published Nov. 17, 1936.
Medicines for use as a cathartic. Anglo-French Laboratories, Inc. 345,256; Apr. 20; Serial No. 386,007; published Feb. 2, 1937.
Mouth wash and gargle, ointment, deodorant, etc. California Dental Supply Co. 345,218; Apr. 20; Serial No. 385,031; published Feb. 9, 1937.
Perfume, toilet water, face powder, etc., Liquid and powder. Colgate-Palmolive-Peet Company. 345,255; Apr. 20; Serial No. 385,974; published Feb. 9, 1937.
Perfumes. Les Parfums Worth De Paris, Inc. 345,312; Apr. 20; Serial No. 386,592; published Feb. 2, 1937.
Perfumes, toilet powders, toilet waters, etc. Colgate & Co. 117,026; renewed June 12, 1937.
Pharmaceutical preparation. Fairchild Bros. & Foster. 116,049; renewed Apr. 3, 1937.
Preparation for the treatment of anemia. Wilber Co. Inc. 345,285; Apr. 20; Serial No. 386,323; published Feb. 2, 1937.
Softeners, i. e., chemical solutions used in the shoe industry. Celastic Corporation. 345,214; Apr. 20; Serial No. 384,843; published Feb. 2, 1937.
Starch, Laundry. A. E. Staley Manufacturing Company. 345,191; Apr. 20; Serial No. 382,008; published Feb. 2, 1937.
Tanning extracts. Compañia Argentina de Quebracho "Marca Formosa" Sociedad Anónima. 345,237; Apr. 20; Serial No. 385,565; published Feb. 2, 1937.
Water softener. V. P. Togstad. 345,167; Apr. 20; Serial No. 365,220; published Feb. 9, 1937.

CLASS 12

Cement, High temperature thermal insulating. Universal Insulation Company. 345,217; Apr. 20; Serial No. 384,985; published Jan. 26, 1937.
Cement, Portland. Consolidated Cement Corporation. 345,225; Apr. 20; Serial No. 385,214; published Jan. 26, 1937.
Cement, Portland. Florida Portland Cement Company. 345,226; Apr. 20; Serial No. 385,222; published Jan. 26, 1937.
Cement, Portland. Signal Mountain Portland Cement Company. 345,227; Apr. 20; Serial No. 385,237; published Jan. 26, 1937.
Cement, Portland. Trinity Portland Cement Company. 345,228; Apr. 20; Serial No. 385,238; published Jan. 26, 1937.
Doors, architectural wall panels or partitions. Societe Le Rezo. 345,169; Apr. 20; Serial No. 368,488; published Feb. 2, 1937.
Insulation and acoustical materials, Structural heat. Celotex Corporation. 345,259; Apr. 20; Serial No. 386,055; published Jan. 26, 1937.
Refractory material, Castable. Plibrico Jointless Firebrick Company. 345,224; Apr. 20; Serial No. 385,200; published Feb. 2, 1937.
Tile, Clay roofing. Schneider Brick & Tile Co. Inc. 345,190; Apr. 20; Serial No. 381,740; published Jan. 26, 1937.

CLASS 13

Corn poppers. U. S. Manufacturing Corporation. 345,212; Apr. 20; Serial No. 384,775; published Feb. 9, 1937.
Dispenser tops, Detachable base metal. Na-Mac Products Corp. 345,213; Apr. 20; Serial No. 384,812; published Feb. 9, 1937.
Hollow ware, Base metal cooking. Everedy Company. 345,347; Apr. 20.
Nails, Horse. Capewell Manufacturing Company. 345,264; Apr. 20; Serial No. 386,150; published Feb. 9, 1937.
Rings and covers, Metal. Thermo Service Company. 345,174; Apr. 20; Serial No. 372,446; published Feb. 9, 1937.
Strapping, Metal. Signode System, Inc. 116,863; renewed May 29, 1937.

CLASS 16

Bronzing liquids, enamels, and bronze powders. Premier Bronze Powder Co. 117,606; renewed July 17, 1937.
Paints, paint enamels, lacquers, etc. Sherwin-Williams Co. 345,198; Apr. 20; Serial No. 383,073; published Nov. 3, 1936.
Paints, paint enamels, lacquers, etc. Sherwin-Williams Co. 345,335; Apr. 20.
Paints, paint enamels, paint pastes, etc. Purity Paint Products Corporation. 345,351; Apr. 20.

CLASS 17

Cigarettes. Axton-Fisher Tobacco Company. 345,271; Apr. 20; Serial No. 386,237; published Feb. 9, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 345,274–5; Apr. 20; Serial Nos. 386,285–6; published Feb. 9, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 345,276–7; Apr. 20; Serial Nos. 386,288–9; published Feb. 9, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 345,278; Apr. 20; Serial No. 386,291; published Feb. 9, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 345,279; Apr. 20; Serial No. 386,294; published Feb. 9, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 345,280–2; Apr. 20; Serial Nos. 386,296–8; published Feb. 9, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 345,283; Apr. 20; Serial No. 386,300; published Feb. 9, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 345,290; Apr. 20; Serial No. 386,469; published Feb. 9, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 345,291; Apr. 20; Serial No. 386,471; published Feb. 9, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 345,292; Apr. 20; Serial No. 386,473; published Feb. 9, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 345,293–300; Apr. 20; Serial Nos. 386,516–23; published Feb. 9, 1937.
Cigarettes. Axton-Fisher Tobacco Company. 345,301–5; Apr. 20; Serial Nos. 386,525–9; published Feb. 9, 1937.
Cigarettes and smoking tobacco. Axton-Fisher Tobacco Company. 345,272; Apr. 20; Serial No. 386,238; published Feb. 9, 1937.

CLASS 19

Truck tank bodies and truck hoist dump bodies. General Body & Hoist Company. 345,286; Apr. 20; Serial No. 386,388; published Feb. 9, 1937.

CLASS 21

Electric batteries. Burgess Battery Company. 117,515; renewed July 17, 1937.
Electric batteries. Burgess Battery Company. 117,995–6; renewed Aug. 14, 1937.
Electrical products. Fletcher Oil Company. 345,306; Apr. 20; Serial No. 386,536; published Feb. 9, 1937.
Lamps, Electric. Greist Manufacturing Company. 345,316; Apr. 20; Serial No. 386,647; published Feb. 9, 1937.

CLASS 22

Checkers, golf bags, fishing reels, etc. Tru-Test Brokerage Corporation. 345,207; Apr. 20; Serial No. 384,483; published Dec. 8, 1936.
Goals, Basket ball. A. E. Sandeberg. 345,345; Apr. 20.

CLASS 23

Air-compressors, Electric. Black & Decker Manufacturing Company. 345,260; Apr. 20; Serial No. 386,070; published Feb. 9, 1937.
Bearing and box units, Journal. National Bearing Metals Corporation. 345,182; Apr. 20; Serial No. 379,127; published Feb. 9, 1937.
Files, rasps, reamers, and rifflers. Carson-Newton Company. 345,235; Apr. 20; Serial No. 385,393; published Feb. 9, 1937.
Graders, farm ditchers, field terracers, Road. Owensboro Ditcher & Grader Company. 345,352; Apr. 20.
Machinery for manufacturing concrete building units. G. M. Friel. 345,311; Apr. 20; Serial No. 386,585; published Feb. 9, 1937.
Machines for peening and reshaping pistons and parts of said machines. Ramsey Accessories Manufacturing Corporation. 345,240; Apr. 20; Serial No. 385,605; published Feb. 9, 1937.
Needle, Latch. J. A. Eberly. 345,342; Apr. 20.
Openers, Bottle. Chase Brass & Copper Co. Incorporated. 345,338; Apr. 20.
Razor blades. Cooper & Cooper, Inc. 345,321; Apr. 20; Serial No. 386,724; published Feb. 9, 1937.
Razor blades, Safety. Simmons Hardware Company. 345,322; Apr. 20; Serial No. 386,745; published Feb. 9, 1937.
Sewing machines. Osann Corporation. 345,309; Apr. 20; Serial No. 386,555; published Feb. 9, 1937.
Sweepers, Carpet. Bissell Carpet Sweeper Co. 345,318; Apr. 20; Serial No. 386,719; published Feb. 9, 1937.
Tool, Sealing. Signode System, Inc. 116,692; renewed May 15, 1937.
Tool, Stretching. Signode System, Inc. 116,691; renewed May 15, 1937.
Tools, lathes, grinding machines, etc., Machine. J. L. Lucas & Son, Inc. 345,343; Apr. 20.
Vacuum cleaners. H. F. Beeman. 345,236; Apr. 20; Serial No. 385,470; published Feb. 9, 1937.

CLASS 25

Padlocks. Tru-Test Brokerage Corporation. 345,208; Apr. 20; Serial No. 384,484; published Dec. 8, 1936.
Seal. Signode System, Inc. 116,862; renewed May 29, 1937.

CLASS 26

Instrument for measuring and recording light intensities. Sight Light Corporation. 345,168; Apr. 20; Serial No. 385,358; published Feb. 9, 1937.
Spectacles. Percles Bros. Inc. 345,252; Apr. 20; Serial No. 385,799; published Feb. 9, 1937.

CLASS 27

Watch cases, watch dials and movements thereof, and clocks. Swiss Radium & Dial Painting Co. 345,331; Apr. 20.
Watches, watchcases, and watch movements. Dinhofer Bros., Inc. 345,216; Apr. 20; Serial No. 384,886; published Feb. 9, 1937.

CLASS 28

Flatware, Silver-plated. International Silver Company. 345,265; Apr. 20; Serial No. 386,162; published Feb. 2, 1937.
Hollow ware, Silver plated. Crown Silver Company. 345,211; Apr. 20; Serial No. 384,736; published Feb. 2, 1937.
Jewelry and precious-metal ware. May & Malone. 114,901; renewed Jan. 9, 1937.
Rings and pins, Finger. D. F. Ebbert. 345,250; Apr. 20; Serial No. 385,782; published Feb. 9, 1937.

CLASS 29

Brushes, spoke brushes, whisk-brooms, and dusting mitts, Varnish. Tru-Test Brokerage Corporation. 345,209; Apr. 20; Serial No. 384,485; published Dec. 8, 1936.

CLASS 30

Tableware, Ceramic. L. E. Hellmann. 345,262; Apr. 20; Serial No. 386,108; published Feb. 9, 1937.

CLASS 32

Blinds and non-fabric cornices and valances therefor, Venetian. Yardley Screen and Weather Strip Corporation. 345,313; Apr. 20; Serial No. 386,614; published Feb. 9, 1937.
Davenports, day beds, couches, etc. International Bedding Company. 345,353; Apr. 20.
Springs and mattresses, Bed. Greenpoint Metallic Bed Company. 345,317; Apr. 20; Serial No. 386,710; published Feb. 9, 1937.

CLASS 33

Watch-glasses. Hammel, Riglander & Co. 115,184; renewed Jan. 30, 1937.

CLASS 34

Air conditioning units. United States Air Conditioning Corporation. 345,258; Apr. 20; Serial No. 386,055; published Feb. 9, 1937.
Burners, Oil. Pressure Oil Burners, Inc. 345,189; Apr. 20; Serial No. 381,690; published Feb. 9, 1937.
Humidifiers. S. W. Mears. 345,223; Apr. 20; Serial No. 385,165; published Feb. 9, 1937.
Lighters, Cigar, cigarette, and pipe. Vestalite Corporation. 345,183; Apr. 20; Serial No. 379,493; published Feb. 9, 1937.
Wicks. Wm. E. Hooper & Sons Co. 345,203; Apr. 20; Serial No. 384,082; published Feb. 9, 1937.

CLASS 35

Tires and inner tubes therefor, and patches, Rubber. Diesel Tire Corporation. 345,344; Apr. 20.
Tires of fabric and rubber. General Tire & Rubber Company. 345,165; Apr. 20; Serial No. 345,622; published Feb. 9, 1937.

CLASS 37

Paper and stationery. Heinn Company. 118,185; renewed Aug. 21, 1937.
Paper, Toilet. Lowry-Rodgers Company. 345,170; Apr. 20; Serial No. 369,854; published Feb. 9, 1937.
Papers, Wall. Richard E. Thibaut, Inc. 345,337; Apr. 20.
Tablets, pencil tablets, composition books, etc., Writing. Osborn Paper Company. 345,330; Apr. 20.

CLASS 38

Books, prints, labels, etc. Stolz Company. 345,222; Apr. 20; Serial No. 385,070; published Feb. 9, 1937.
Cartoons. King Features Syndicate, Inc. 345,284; Apr. 20; Serial No. 386,311; published Feb. 9, 1937.
Magazine. Clancy Publications, Inc. 345,314–5; Apr. 20; Serial Nos. 386,619–20; published Feb. 9, 1937.
Magazine. Politics, Inc. 345,239; Apr. 20; Serial No. 385,604; published Feb. 9, 1937.
Newspaper column. Time, Incorporated. 345,249; Apr. 20; Serial No. 385,758; published Feb. 9, 1937.
Newspaper column. T. A. Wanerus. 345,201; Apr. 20; Serial No. 383,663; published Feb. 9, 1937.
Periodical. Business News Publishing Co. 345,267; Apr. 20; Serial No. 386,201; published Feb. 9, 1937.
Periodical. Street & Smith Publications, Inc. 345,266; Apr. 20; Serial No. 386,183; published Feb. 9, 1937.

CLASS 39

Brassières, ladies underwaists, and corsets. Kops Bros. 118,051; renewed Aug. 14, 1937.
Chemises, princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 345,341; Apr. 20.
Coats, Ladies'. Siegel Bros. Kiki Maid Koats Inc. 345,176; Apr. 20; Serial No. 375,352; published Apr. 28, 1936.

Corsets. Warner Brothers Company. 118,451; renewed Sept. 4, 1937.
Gloves, Household rubber. Faultless Rubber Company. 118,284; renewed Aug. 28, 1937.
Hosiery. Nolde and Horst Company. 345,332–4; Apr. 20.
Hosiery. Paramount Knitting Company. 116,449; renewed May 1, 1937.
Suits, trousers, topcoats, and overcoats. M. Levinson. 345,349; Apr. 20.

CLASS 42

Cotton piece goods. American Bleached Goods Company. 117,239; renewed June 26, 1937.
Cotton piece goods and mixed silk and cotton piece goods. Windsor Print Works. 118,366; renewed Aug. 28, 1937.
Fabrics, Knitted, netted, and textile. L. C. Chase & Company. 118,383; renewed Sept. 4, 1937.
Piece goods. Manufacturers de Velours et Peluches. 345,307–8; Apr. 20; Serial Nos. 386,545–6; published Feb. 9, 1937.
Piece goods, table cloths, napkins, etc. Raphael Weill & Company. 345,329; Apr. 20.
Rayon piece goods. S. Fromm. 345,199; Apr. 20; Serial No. 383,163; published Feb. 9, 1937.
Silk piece goods. H. Kluger. 345,339; Apr. 20.
Textile piece goods, Printed. Sandy Fabrics Corp. 345,273; Apr. 20; Serial No. 386,273; published Feb. 9, 1937.
Towels, Dish. S. Dubinsky. 345,202; Apr. 20; Serial No. 383,917; published Feb. 9, 1937.

CLASS 43

Cotton and sewing and mending thread and yarn, Darning. Collingbourne Mills, Inc. 345,257; Apr. 20; Serial No. 386,013; published Feb. 9, 1937.
Thread and yarn. American Bemberg Corporation. 345,261; Apr. 20; Serial No. 386,092; published Feb. 9, 1937.
Threads, Silk. M. Heminway & Sons Silk Co. 117,661; renewed July 24, 1937.
Yarns. Botany Worsted Mills. 345,197; Apr. 20; Serial No. 382,941; published Feb. 2, 1937.
Yarns. Eastyarn, Inc. 345,179; Apr. 20; Serial No. 376,338; published Jan. 26, 1937.
Yarns. G. E. Osborne. 345,243; Apr. 20; Serial No. 385,674; published Feb. 9, 1937.
Yarns. G. E. Osborne. 345,326; Apr. 20; Serial No. 386,811; published Feb. 9, 1937.

CLASS 44

Arch appliances. H. T. Krakau. 345,221; Apr. 20; Serial No. 385,045; published Feb. 9, 1937.
Hot-water bottles. A. S. Campbell Company. 115,879; renewed Mar. 20, 1937.
Prophylactic lambskin articles and rubber articles. J. B. McClure. 345,204; Apr. 20; Serial No. 384,094; published Feb. 9, 1937.
Rubber perfected for chiropodists, Quick setting liquid latex. E. C. Meldman. 345,253; Apr. 20; Serial No. 385,933; published Feb. 9, 1937.
Sanitary napkins. International Cellucotton Products Company. 345,287–8; Apr. 20; Serial Nos. 386,430–1; published Feb. 9, 1937.

CLASS 45

Beverages. J. Bloch. 345,319; Apr. 20; Serial No. 386,720; published Feb. 9, 1937.
Beverages, fruit juices, and flavoring substances. W. F. Fricke. 345,219–20; Apr. 20; Serial Nos. 385,035–6; published Feb. 9, 1937.
Ginger-ale. Cantrell & Cochrane, Limited. 115,068; renewed Jan. 23, 1937.
Waters, Natural mineral. J. W. Butler. 345,178; Apr. 20; Serial No. 376,192; published Feb. 9, 1937.
Waters, Natural mineral and medicinal. E. N. Carefoot. 345,215; Apr. 20; Serial No. 384,882; published Feb. 9, 1937.

CLASS 46

Bread. Safeway Stores, Incorporated. 345,173; Apr. 20; Serial No. 372,433; published Feb. 9, 1937.
Candies, Chocolate. Arlene Chocolate Co. 345,206; Apr. 20; Serial No. 384,313; published Feb. 9, 1937.
Canned mushrooms. Grocery Products Manufacturing Corporation. 345,350; Apr. 20.
Canned protein meat-like food. Rural Educational Association. 345,193; Apr. 20; Serial No. 382,241; published Feb. 9, 1937.
Canned peas. Fuhremann Canning Company. 345,196; Apr. 20; Serial No. 382,591; published Feb. 9, 1937.
Cheese. J. S. Hoffman Co. 345,325; Apr. 20; Serial No. 386,805; published Feb. 9, 1937.
Cheese, butter, condensed milk, and cream. Voinvienti-OsnnsLike Valls r. I. 345,177; Apr. 20; Serial No. 376,017; published Feb. 9, 1937.
Chocolates and confections. Paul F. Belch Company. 117,021; renewed June 12, 1937.
Coffee, Green. J. Aron & Company. 345,200; Apr. 20; Serial No. 383,288; published Feb. 9, 1937.
Flour. Washburn Crosby Company. 345,184; Apr. 20; Serial No. 379,931; published Feb. 9, 1937.
Flour. Washburn Crosby Company. 345,185; Apr. 20; Serial No. 379,933; published Feb. 9, 1937.
Flour. Washburn Crosby Company. 345,186–8; Apr. 20; Serial Nos. 379,936–8; published Feb. 9, 1937.
Flour and bread, Soy bean. Rural Educational Association. 345,192; Apr. 20; Serial No. 382,239; published Feb. 9, 1937.
Flour, Wheat. W. M. Atkinson. 115,055; renewed Jan. 23, 1937.
Flour, Wheat. Centennial Flouring Mills Company. 345,324; Apr. 20; Serial No. 386,789; published Feb. 9, 1937.
Food beverage, Non-caffeine. Rural Educational Association. 345,194; Apr. 20; Serial No. 382,242; published Feb. 9, 1937.
Fruits, Fresh citrus. Clearwater Growers Association. 345,327; Apr. 20; Serial No. 386,849; published Feb. 9, 1937.
Oysters and clams, Fresh. H. Mey. 345,233; Apr. 20; Serial No. 385,364; published Feb. 9, 1937.
Pickles and sweet pickle relishes. Mount Olive Pickle Co. 345,241–2; Apr. 20; Serial Nos. 385,636–7; published Feb. 9, 1937.
Potatoes. Pennsylvania Cooperative Potato Growers Association, Inc. 345,238; Apr. 20; Serial No. 385,603; published Feb. 9, 1937.
Rice. Mouton Rice Milling Co. 345,268–70; Apr. 20; Serial Nos. 386,217–9; published Feb. 9, 1937.
Salt sold in cakes or blocks. Carey Salt Company. 345,320; Apr. 20; Serial No. 386,721; published Feb. 9, 1937.
Sauce, cocoa, malted milk, etc., Fudge. Loft, Inc. 345,164; Apr. 20; Serial No. 330,822; published Feb. 9, 1937.
Shortening, Purely vegetable. Capital City Products Company. 345,346; Apr. 20.

CLASS 47

Wine with carbonated water and flavoring. Tom Collins Corporation. 345,229–32; Apr. 20; Serial Nos. 385,333–6; published Feb. 9, 1937.
Wines. Colonial Grape Products Company of California. 345,328; Apr. 20.
Wines. Shepard J. Goldberg, Inc. 345,248; Apr. 20; Serial No. 385,730; published Feb. 9, 1937.

CLASS 48

Ales and lager beers. Beverwyck Breweries, Inc. 345,323; Apr. 20; Serial No. 386,757; published Feb. 9, 1937.
Chemical composition used as a selective precipitant of excess lime and magnesia. B. Lowy. 345,210; Apr. 20; Serial No. 384,542; published Feb. 9, 1937.

CLASS 49

Whiskey. Gilman Brothers, Inc. 345,180; Apr. 20; Serial No. 378,484; published July 7, 1936.

CLASS 50

Swatters, Fly. Lubbers & Bell Manufacturing Company. 345,348; Apr. 20.

LIST OF LABELS

Green Mountain Maple Liquor. For Maple Liquor. Green Mountain Distillery, Inc. 49,222; Apr. 20.
Hong Kong. For Chow Mein Noodles. Hong Kong Food Products Co. 49,223; Apr. 20.
Volume One Bushel. For Potatoes. Pierpont Manufacturing Company. 49,224; Apr. 20.

LIST OF PRINTS

Schultz. For Bock Beer. Schultz Brewing Company. 16,166; Apr. 20.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Climax Rubber Company. (See Stein, Jacob and Mosher.)
Durning, James P. (See Gladeck, F. C., and Durning.)
General Electric Company. (See Lord, Harold W., assignor.)
Gladeck, Frederick C., Brooklyn, and J. P. Durning, St. Albans, N. Y., assignors to International Cigar Machinery Company. Scrap bunch machine. 20,334; Apr. 20.
International Cigar Machinery Company. (See Gladeck, F. C., and Durning, assignors.)
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric valve translating circuit. 20,335; Apr. 20.
Mosher, Hugh H. (See Stein, J., and Mosher.)
Radio Corporation of America. (See Tolson, William A., assignor.)
Raven, Albert L., Mount Vernon, N. Y. Motion picture screen. 20,336; Apr. 20.
Stein, Jacob, New York, N. Y., and H. H. Mosher, Jersey City, N. J., assignors to Jacob Stein, doing business as Climax Rubber Company. Rubber and rubberized sanitary garment. 20,337; Apr. 20.
Tolson, William A., Merchantville, N. J., assignor to Radio Corporation of America. Television system. 20,338; Apr. 20.

LIST OF PLANT PATENTEES

Bate, Warwick G., Newton Falls, Ohio. Rose. 245; Apr. 20.
Greider, Hallack F., Vashon, Wash. Berry. 247; Apr. 20.
Raffel, Frank C., Stockton, Calif. Rose. 246; Apr. 20.

LIST OF DESIGN PATENTEES

Abrams, Nicholas, Chicago, Ill. Chicken fryer or similar article. 104,128; Apr. 20.
Alexander, Joseph, Woodmere Township, Nassau County, N. Y. Curtain fabric. 104,129; Apr. 20.
American Centrifugal Corporation. (See Pecker, Joseph S., assignor.)
Andersen, Niels Y., Kenmore, assignor to Remington Rand, Inc., Buffalo, N. Y. Posture chair. 104,154; Apr. 20.
Anderson, Norwood, Chester, N. Y. Wrist cigarette lighter casing. 104,178; Apr. 20.
Arrow-Hart & Hegeman Electric Company, The. (See Hawkinson, John L., assignor.)
Babbitt, Edwin V., Marion, assignor to National Fireworks, Inc., West Hanover, Mass. Sparkler holder. 104,155; Apr. 20.
Battery Patents Corporation. (See Henry, Harry H., assignor.)
Behrel, Giraud W., Chicago, and H. Tyson, Oak Park, assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Service bar counter. 104,130; Apr. 20.
Behrel, Giraud W., Chicago, and H. Tyson, Oak Park, assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Service bar counter. 104,131; Apr. 20.
Behrel, Giraud W., Chicago, and H. Tyson, Oak Park, assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Service bar counter. 104,132; Apr. 20.
Berk, Sol K., Brookline, Mass. Jug. 104,179; Apr. 20.
Berry, Helen, New York, N. Y. Dress. 104,180; Apr. 20.
Berry, Helen, New York, N. Y. Dress. 104,203; Apr. 20.
Berry, Helen, New York, N. Y. Dress. 104,204; Apr. 20.
Berry, Helen, New York, N. Y. Dress. 104,205; Apr. 20.
Berry, Helen, New York, N. Y. Dress. 104,206; Apr. 20.
Berry, Helen, New York, N. Y. Dress. 104,207; Apr. 20.
Berry, Helen, New York, N. Y. Dress. 104,208; Apr. 20.
Blanchard, Hymen A., Buffalo, N. Y. Ash tray. 104,156; Apr. 20.
Borg-Warner Corporation. (See Wilson, Lawrence H., assignor.)
Borios, William, assignor to Master Metal Products, Inc., Buffalo, N. Y. Wheeled toy chassis. 104,181; Apr. 20.
Bromfield, Isidore, Brookline, Mass. Winch or the like. 104,182; Apr. 20.
Brunswick-Balke-Collender Company, The. (See Behrel, G. W., and Tyson, assignors.)
Cilocon Corporation, The. (See Maccoy, Frank, assignor.)
Cohen, Harry, New York, N. Y. Slip. 104,183; Apr. 20.
Colt's Patent Fire Arms Manufacturing Company. (See Conner, Benjamin F., assignor.)
Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Combination eye cup base and cover. 104,184; Apr. 20.
Corning Glass Works. (See Williams, Franklin C., assignor.)
Das, Elsie J., assignor to Watumull Brothers, doing business as East India Store, Honolulu, T. H. Textile fabric. 104,133; Apr. 20.
Davis, Abner F. H., Los Angeles, Calif., assignor to Faries Manufacturing Company, Decatur, Ill. Portable lamp. 104,185; Apr. 20.
Desser, Michael S. (See Lorenzen, A. L., and Desser.)
Dickson, Lawrence E., Glencoe, Ill. Tablet dispensing machine. 104,134; Apr. 20.
Ditzler Color Company. (See Spencer, Carleton B., assignor.)
Dognin, Jean, New York, N. Y. Lace. 104,209; Apr. 20.
Dognin, Jean, New York, N. Y. Lace. 104,210; Apr. 20.
Duncan & Miller Glass Company. (See May, Robert A., assignor.)
East India Store. (See Das, Elsie J.)
Edwards, Harold J., Kansas City, Mo. Infant's feeding bottle holder. 104,157; Apr. 20.
Estus, James H., Newport Beach, Calif. Hand truck. 104,211; Apr. 20.
Fairclough & Gold, Inc. (See Stam, Jesse, assignor.)
Farber, Simon W., Brooklyn, N. Y. Coffee maker. 104,158; Apr. 20.
Faries Manufacturing Company. (See Davis, Abner F. H., assignor.)
Felmann, Henri, assignor to Morris, Mann & Reilly, Inc., Chicago, Ill. Pocketbook. 104,159; Apr. 20.
Festner, Berta, Chandler, Ariz. Comb. 104,186; Apr. 20.
Florence Stove Company. (See Kruck, Ralph E., assignor.)
Fry, Walter L., Bloomfield Hills, Mich. Knitted reupholstering envelope. 104,187; Apr. 20.
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Condiment shaker. 104,135; Apr. 20.
Gage, Nellie M., Dayton, Ohio. Head lamp for automobiles. 104,212; Apr. 20.
Gatch, Milton W., assignor to The Gatch Wire Goods Company, Baltimore, Md. Fly swatter blade. 104,136; Apr. 20.
Gatch Wire Goods Company, The. (See Gatch, Milton W., assignor.)
Ginnis, Samuel J., assignor of one-half to M. Lipsky, Chicago, Ill. Motorcycle body. 104,213; Apr. 20.
Girl Scouts, (Incorporated). (See Hess, Fjeril, assignor.)
Goddard, Emmons A., Detroit, Mich. Child's play table. 104,137; Apr. 20.
Goodrich, B. F., Company, The. (See Smith, Kimball D., assignor.)
Gordones, Eusebio, San Francisco, Calif. Cigarette ashtray. 104,160; Apr. 20.
Grandinetti, Domenick A., Syracuse, N. Y. Combined fruit and vegetable expresser and strainer. 104,138; Apr. 20.
Green, Florence R., London, England. Ashtray. 104,161; Apr. 20.
Gruen, John J., South Orange, assignor to Moore & Son, Inc., Newark, N. J. Finger ring. 104,139; Apr. 20.
Guild, Lurelle A. V., Darien, Conn., assignor to National Radiator Corporation, Johnstown, Pa. Multiple column radiator. 104,188; Apr. 20.
Gulbransen Company. (See Van Domnelen, Peter, assignor.)
Gulbransen Company. (See Zack, Samuel E., assignor.)
Hakky, Mustafa I., Glendale, R. I. Lubricant display holder. 104,214; Apr. 20.
Hawkinson, John L., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric switch handle or the like. 104,215; Apr. 20.

Henry, Harry H., assignor to Battery Patents Corporation, Chicago, Ill. Bicycle frame. 104,140; Apr. 20.
Henry, Harry H., assignor to Battery Patents Corporation, Chicago, Ill. Bicycle frame. 104,141; Apr. 20.
Hess, Fjeril, assignor to Girl Scouts, (Incorporated), New York, N. Y. Scarf. 104,142; Apr. 20.
Holland Brass Works, Incorporated. (See Liska, William F., assignor.)
Hopkins, George J., assignor to McCray Refrigerator Company, Kendallville, Ind. Refrigerator door handle. 104,162; Apr. 20.
Hopkins, George J., assignor to McCray Refrigerator Company, Kendallville, Ind. Refrigerator door hinge. 104,189; Apr. 20.
Hubbard, John S., San Francisco, Calif. Fender lamp. 104,163; Apr. 20.
Huelat, John H., New York, N. Y. Textile fabric. 104,216; Apr. 20.
Imperial Glass Corporation. (See Newton, Earl W., assignor.)
Johnston, Eugene E., assignor to Tank Car Stations, Inc., Buffalo, N. Y. Portable gas station. 104,190; Apr. 20.
Kanter, Edward, Cleveland Heights, Ohio. Lighting fixture. 104,217; Apr. 20.
Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)
Kershaw, John T., Bradford, assignor to New England Wood Heel Company, Haverhill, Mass. Shoe heel. 104,191; Apr. 20.
Kirk, Claude R., River Forest, Ill. Platform scale. 104,218; Apr. 20.
Kopacka, Joseph J., Greensburg, Pa. Portable service bar. 104,192; Apr. 20.
Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Beverage cooler cabinet. 104,143; Apr. 20.
Kruck, Ralph E., Springfield, assignor to Florence Stove Company, Gardiner, Mass. Space heater. 104,193; Apr. 20.
Lewis, David, New York, N. Y. Handbag. 104,144; Apr. 20.
Lewis, David, New York, N. Y. Straw handbag. 104,145; Apr. 20.
Lipsky, Marcus. (See Ginnis, Samuel J., assignor.)
Liska, William F., assignor to Holland Brass Works, Incorporated, Chicago, Ill. Candlestick. 104,194; Apr. 20.
Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Butter dish. 104,164; Apr. 20.
Lorenzen, Arnold I., and M. S. Desser, assignors to Owens-Illinois Glass Company, Toledo, Ohio. Vase. 104,165; Apr. 20.
Lorenzen, Arnold I., and M. S. Desser, assignors to Owens-Illinois Glass Company, Toledo, Ohio. Vase. 104,166; Apr. 20.
Maccoy, Frank, assignor to The Cilocon Corporation, Detroit, Mich. Nursing nipple. 104,195; Apr. 20.
Mackelfresh, William E., Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Condiment shaker. 104,167; Apr. 20.
Mackelfresh, William E., Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Ashtray. 104,168; Apr. 20.
Magro, Ralph, Jersey City, N. J. Revolving clock. 104,196; Apr. 20.
Master Metal Products, Inc. (See Borlos, William, assignor.)
May, Robert A., assignor to Duncan & Miller Glass Company, Washington, Pa. Glass plate or similar article. 104,169; Apr. 20.
McCray Refrigerator Company. (See Hopkins, George J., assignor.)
Miller, Jacob S., and J. Tyson, Washington, D. C. Combined flowerpot and stand or similar article. 104,221; Apr. 20.
Minkin, William, Brooklyn, N. Y. Combined lamp and cosmetic container. 104,170; Apr. 20.
Minoff, Jack, Newark, N. J. Knitted fabric. 104,146; Apr. 20.
Moore & Son, Inc. (See Gruen, John J., assignor.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Radio receiver cabinet. 104,197; Apr. 20.
Morgan, John R., Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill. Drain spout for washing machine or similar article. 104,219; Apr. 20.
Morgan, John R., Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill. Radio receiver dial. 104,220; Apr. 20.
Morris, Harry, assignor to Morris, Mann & Reilly, Inc., Chicago, Ill. Pocketbook. 104,171; Apr. 20.
Morris, Mann & Reilly, Inc. (See Felmann, Henri, assignor.)
Morris, Mann & Reilly, Inc. (See Morris, Harry, assignor.)
Morris, Milton, New York, N. Y. Textile fabric. 104,198; Apr. 20.
Mortuary Supply Co. (See Randall, Robert L., assignor.)
National Fireworks, Inc. (See Babbitt, Edwin V., assignor.)
National Radiator Corporation. (See Guild, Lurelle A. V., assignor.)
New England Wood Heel Company. (See Kershaw, John T., assignor.)
Newton, Earl W., Chicago, Ill., assignor to Imperial Glass Corporation, Bellaire, Ohio. Lamp shade or similar article. 104,222; Apr. 20.
Olean Glass Company. (See Smith, George, Jr., assignor.)
Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)
Owens-Illinois Glass Company. (See Lorenzen, Arnold I., assignor.)
Owens-Illinois Glass Company. (See Lorenzen, A. I., and Desser, assignors.)
Owens-Illinois Glass Company. (See Mackelfresh, William E., jr., assignor.)
Parness, Reuben, Brooklyn, and S. Sweet, Bronx, N. Y. Jewelry box. 104,147; Apr. 20.
Pecker, Joseph S., Philadelphia, Pa., assignor to American Centrifugal Corporation, New York, N. Y. Combination centrifugal separating machine casing and base. 104,223; Apr. 20.
Randall, Robert L., assignor to Mortuary Supply Co., Inc., Indianapolis, Ind. Casket handle bracket. 104,148; Apr. 20.
Remington Rand, Inc. (See Andersen, Niels Y., assignor.)
Rentchler, Frances A., Mamaroneck, N. Y. Sun glasses. 104,172; Apr. 20.
Schmuhl, Byron M., Centerline, Mich. Combined spout and closure for containers. 104,199; Apr. 20.
Scholle, Charles F., New York, N. Y. Printed textile fabric or similar article. 104,224; Apr. 20.
Scott, Paul C., Omaha, Nebr. Brush. 104,225; Apr. 20.
Scovill Manufacturing Company. (See Spender, Donald L., assignor.)
Scovill Manufacturing Company. (See Tompkins, Emerson H., assignor.)
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 104,226; Apr. 20.
Singer, Jack, Brooklyn, N. Y. Belt or similar article. 104,227; Apr. 20.
Smith, George, Jr., Olean, N. Y., assignor to Olean Glass Company, New York, N. Y. Decanter. 104,200; Apr. 20.
Smith, Kimball D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 104,149; Apr. 20.
Solomon, Max, New York, N. Y. Lace. 104,150; Apr. 20.
Spencer, Carleton B., Royal Oak, Mich., assignor to Ditzler Color Company. Color display panel. 104,201; Apr. 20.
Spencer, Carleton B., Royal Oak, Mich., assignor to Ditzler Color Company. Display panel for color combinations. 104,202; Apr. 20.
Spender, Donald L., assignor to Scovill Manufacturing Company, Waterbury, Conn. Flashlight switch. 104,173; Apr. 20.
Stam, Jesse, Cambridge, assignor to Fairclough & Gold, Inc., Boston, Mass. Textile fabric or similar article. 104,151; Apr. 20.
Sweet, Sam. (See Parness, R., and Sweet.)
Tank Car Stations, Inc. (See Johnston, Eugene E., assignor.)
Taylor, August M., Fort Collins, Colo. Combined grave protector and marker. 104,152; Apr. 20.
Tompkins, Emerson H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Flashlight switch. 104,174; Apr. 20.
Tyson, Herbert. (See Behrel, G. W., and Tyson.)
Tyson, Joe. (See Miller, J. S., and Tyson.)
Van Dommelen, Peter, Holland, Mich., assignor to Gulbransen Company, Chicago, Ill. Piano case. 104,228; Apr. 20.
Watumull Brothers. (See Das, Elsie J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kruck, Ralph E., assignor.)
Whipple, Clyde S., Los Angeles, Calif. Glass liner for a comport or similar article. 104,175; Apr. 20.
Whipple, Clyde S., Los Angeles, Calif. Glass liner for a comport or similar article. 104,176; Apr. 20.
Williams, Franklin C., assignor to Corning Glass Works, Corning, N. Y. Fresnel lens. 104,177; Apr. 20.
Wilson, Lawrence H., Grosse Pointe, Mich., assignor to Borg-Warner Corporation. Table or similar article. 104,153; Apr. 20.
Zack, Samuel E., assignor to Gulbransen Company, Chicago, Ill. Piano case. 104,229; Apr. 20.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. P. W. Paper Company. (See Fairchild, William, assignor.)
Aaby, Albert J., Rochester, Minn. Chimney scraper. 2,077,731; Apr. 20.
Abraham, Jeremiah, Elmhurst, Ill. Apparatus for testing speedometers. 2,077,375; Apr. 20.
Abrams, A., W. Forcey, and G. J. Brabender, Wausau, assignors to Marathon Paper Mills Company, Rothschild, Wis. Coated film. 2,078,172; Apr. 20.
Acme Air Appliance Company. (See Longstreet, Walter H., assignor.)
Adams, Guy R., Seattle, Wash. Pie juice retainer. 2,077,868; Apr. 20.
Adams, Herbert L., Washington, D. C. Wing surface. 2,077,732; Apr. 20.
Addressograph-Multigraph Corporation. (See Osborn, Henry C., assignor.)
Addressograph-Multigraph Corporation. (See Smith, Clyde, assignor.)
Aero Improvements, Inc. (See Fink, Abraham S., assignor.)
Agfa Ansco Corporation. (See Hagedorn, M., Jung, and Wilmanns, assignors.)
Ahlquist, Eugene F., assignor of one-half to E. B. Floback, Minneapolis, Minn. Bottle. 2,077,977; Apr. 20.
Aktiebolaget Svenska Kullagerfabriken. (See Kylén, Karl E., assignor.)
Albright, Raymond W., assignor to American Anode, Inc., Akron, Ohio. Therapeutical appliance. 2,077,453; Apr. 20.
Allen, William W. (See Grammer, A. L., and Allen.)
All Steel Products Manufacturing Company, The. (See Cardwell, Harland W., assignor.)
Almdale, Einar, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Automobile chassis member and making same. 2,077,454; Apr. 20.
Alrose Chemical Company. (See Weisberg, M., and Corman, assignors.)
American Anode, Inc. (See Albright, Raymond W., assignor.)
American Blower Corporation. (See Anderson, Edward L., assignor.)
American Car and Foundry Company. (See Glenn, Jesse Y., assignor.)
American Car and Foundry Company. (See McBride, J. J., and Willoughby, assignors.)
American Foundry Equipment Company, The. (See Minich, Verne E., assignor.)
American Hardware Corporation, The. (See Stone, E. B., and Dyson, assignors.)
American Machine & Foundry Company. (See Schmitt, Frank R., assignor.)
American Radiator Company. (See Cornell, Edward S., Jr.)
American Radiator Company. (See Manning, Fowler and S. W., assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Tap-Bush Company. (See Rice, Frank E., assignor.)
American Telephone and Telegraph Company. (See Boehler, J. D., and Sidur, assignors.)
American Telephone and Telegraph Company. (See Taylor, John W., assignor.)
Amtsberg, Lester A., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Reversible rotary motor. 2,077,733; Apr. 20.
Anderson Box Company. (See Schaefer, Norbert F., assignor.)
Anderson, Edward L., Grosse Ile, assignor to American Blower Corporation, Detroit, Mich. Grille. 2,077,734; Apr. 20.
Anderson, Norman T. (See Sweeley, E. A., and Anderson.)
Anderson, Ralph C., Charlotte, N. C. Yarn and fabric made therefrom. 2,077,978; Apr. 20.
Andrews, Charles W. (See Seaver, J. J., Kinney, Kirk, and Andrews.)
Archer Rubber Company. (See Callahan, John T., assignor.)
Armstrong, Charles A., et al. (See Madsen, Sern, assignor.)
Armstrong, Henry, assignor to Vibra-Lite Limited, Montreal, Quebec, Canada. Display apparatus. 2,078,115; Apr. 20.
Arndt, Edwin J., Irvington, N. J. Aircraft engine heater. 2,078,116; Apr. 20.
Arp, Ewald A., Minneapolis, Minn. Refrigerating method and apparatus. 2,077,820; Apr. 20.
Arvin, James A. (See Lawson, W. E., and Arvin.)
Arzt, Emil F., Central Falls, R. I. Weft detector mechanism. 2,077,385; Apr. 20.
Ashton, Philip E. (See Cuno, C. H., and Ashton.)
Associated Electric Laboratories, Inc. (See James, Virgil E., assignor.)
Associated Telephone and Telegraph Company. (See Roseby, Philip N., assignor.)
Associated Telephone and Telegraph Company. (See Saxby, Robert N., assignor.)
Associated Telephone and Telegraph Company. (See Taylor, R., and Baker, assignors.)
Atlas Powder Company. (See Bucy, Edmond H., assignor.)
Auryansen, Frederick, Forest Hills, N. Y. Wall or floor structure and beams therefor. 2,078,117; Apr. 20.
Available Truck Company. (See King, Edward F., assignor.)
Avery, W. & T., Limited. (See Sykes, Cameron M., assignor.)
Axtmann, Harold G., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,077,914; Apr. 20.
Ayers Limited. (See Milnes, Tom, assignor.)
Babcock & Wilcox Company, The. (See Christensen, Magnus, assignor.)
Babcock & Wilcox Company, The. (See Harter, I., and Cassidy, assignors.)
Bahl, John I., assignor of one-half to R. W. Loichot, Canton, Ohio. Vitreous porcelain composition and product. 2,077,610; Apr. 20.
Baird, Russell L., and A. Moseley, Texas City, Tex. Battery terminal post clamp. 2,077,821; Apr. 20.
Bairley, John L., Murphys, Calif. Clamp for cables, wires, ropes, and the like. 2,077,386; Apr. 20.
Baker, Albert D., Lansing, assignor to General Motors Corporation, Detroit, Mich. Radio antenna for automobiles. 2,077,822; Apr. 20.
Baker, George R., Peterborough, England. Biscuit and like cutting and embossing machine. 2,077,979; Apr. 20.
Baker, George T. (See Taylor, R., and Baker.)
Baker, George W. (See Page, J., and Baker.)
Baker, Louis S., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of cellulose nitrate. 2,077,455; Apr. 20.
Baldwin, John D., Jr., assignor to The Weatherhead Company, Cleveland, Ohio. Valve. 2,078,048; Apr. 20.
Baldwin-Southwark Corporation. (See von Heydekampf, Gerd S., assignor.)
Ballatore, Anthony A., Downend, near Bristol, England. Method of and machine for wrapping enclosures within envelopes. 2,077,658; Apr. 20.
Bamberger, Curt. (See Weinand, K., and Bamberger.)
Bancroft, James E., assignor to The Richmond Fireproof Door Company, Richmond, Ind. Door operating mechanism. 2,077,659; Apr. 20.
Banker, Oscar H., assignor to New Products Corporation, Chicago, Ill. Change speed planetary transmission. 2,077,387; Apr. 20.
Barber Company, The. (See Smith, Preston R., assignor.)
Baricau, Jerome E., Auburn, Calif. Climbing attachment for skis. 2,077,660; Apr. 20.
Barnsdall Refining Corporation. (See Wiles, Everett R., assignor.)
Barr Rubber Products Company, The. (See Frissell, Robert R., assignor.)
Barrowcliff, Marmaduke. (See Sharp, F. L., and Barrowcliff.)
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Draft rigging. 2,077,611; Apr. 20.
Barthel, Oliver E., Detroit, Mich. Child's wagon. 2,077,543; Apr. 20.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,077,661; Apr. 20.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,077,662; Apr. 20.
Basic Dolomite, Inc. (See Lee, Harley C., assignor.)
Bass, J. V., et al. (See Beckler, Oakley K., assignor.)
Batten, Percy H., assignor to Twin Disc Clutch Company, Racine, Wis. Reversing mechanism. 2,077,663; Apr. 20.
Batterien-u.-Elemente-Fabrik System Zeller A.-G. (See Schneider, Paul, assignor.)
Baumann, Paul. (See Rosinsky, W., and Baumann.)
Beardsley, Norman T., Portland, Maine, assignor to Brown Company, Berlin, N. H. Pad of paper sheets for hanging on a wall. 2,077,664; Apr. 20.

Becker, Harry L., Council Grove, Kans. Hairpin. 2,078,118; Apr. 20.
Beckler, Oakley K., Dallas, Tex., assignor of sixty-five per cent to G. W. Harris, Marshalltown, Iowa, and J. V. Bass, Omaha, Nebr. Valve. 2,077,735; Apr. 20.
Begg, Russell S., Cleveland Heights, assignor to The Midland Steel Products Company, Cleveland, Ohio. Vacuum operated brake mechanism. 2,077,456; Apr. 20.
Behr, Leo, assignor to Leeds & Northrup Company, Philadelphia, Pa. Electric condenser. 2,077,544; Apr. 20.
Bell, Robert J., Orlando, Fla. Coffee dispenser. 2,077,980; Apr. 20.
Bell Telephone Laboratories, Incorporated. (See Cummings, George C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gent, Edgar W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gibson, Robert D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kinkead, F. S., and Locke, assignors.)
Bemis, Kenneth E., Oakland, Calif. Pie crust forming, trimming, and baking machine. 2,078,189; Apr. 20.
Bemis, Kenneth E., Oakland, Calif. Drink mixer. 2,078,190; Apr. 20.
Bender, Max., Astoria, N. Y., assignor, by mesne assignments, to United Acoustigraph Corporation. Recording and reproducing sound. 2,077,388; Apr. 20.
Bendix Aviation Corporation. (See Axtmann, Harold G., assignor.)
Bendix Aviation Corporation. (See Budd, Clarence E., assignor.)
Bendix Aviation Corporation. (See Johnson, Carl V., assignor.)
Bendix Aviation Corporation. (See LaBrie, Ludger E., assignor.)
Bendix Aviation Corporation. (See Sanford, Roy S., assignor.)
Bendix Aviation Corporation. (See Sanford, R. S., and Carroll, assignors.)
Bendix Brake Company. (See Beyer, Raymond H., assignor.)
Bendix Brake Company. (See Linsley, Douglas F., assignor.)
Bendix Brake Company. (See Taylor, Eugene V., assignor.)
Bendix Products Corporation. (See Hodgkins, Albert A., assignor.)
Bendix Products Corporation. (See Irving, John S., assignor.)
Bendix Products Corporation. (See Lafitte, Theodore J.-B., assignor.)
Bendix Products Corporation. (See Roberts, Glyn P., assignor.)
Bendix Products Corporation. (See Roche, Clifton R., assignor.)
Bendix Products Corporation. (See Smith, Marshall A., Jr., assignor.)
Bendix Products Corporation. (See Tatter, John W., assignor.)
Bendix Research Corporation. (See Johnson, Carl V., assignor.)
Benedek, Elek K., Bucyrus, Ohio. Hydraulic pump or motor. 2,077,389; Apr. 20.
Benedict, Anthony C., Rockville Centre, N. Y. Noncracking joint covering and finish. 2,078,049; Apr. 20.
Benedict, Rome R., Chattanooga, Tenn. Mobile garbage and ashcan stand. 2,078,119; Apr. 20.
Beniston, William J., Seaford, assignor to Julius Kayser & Co., New York, N. Y. Warp knitted fabric and method and apparatus for making same. 2,078,050; Apr. 20.
Bennett, Arthur F. (See Graves, B. P., and Bennett.)
Bennett, Edwin O., assignor to Continental Oil Company, Ponca City, Okla. Oil well pumping assembly. 2,077,665; Apr. 20.
Bennett, Morris H., deceased, Prospect, by J. T. Monzani, administrator, assignor to Scovill Manufacturing Company, Waterbury, Conn. Hose coupling. 2,077,869; Apr. 20.
Bergen, Cecil C., assignor of one-half to R. P. Scott, Marshalltown, Iowa. Generator structure. 2,077,981; Apr. 20.
Berndt, Arthur A., assignor to Electroline Corporation, Chicago, Ill. Connecter for stranded cable. 2,078,051; Apr. 20.
Besag, Arnold, Berlin-Adlershof, Germany. Hot water container. 2,077,612; Apr. 20.
Best Foods, Inc., The. (See Schaub, Jacob, assignor.)
Beth, Hugo W. H., assignor to Norton Company, Worcester, Mass. Grinding disk. 2,078,120; Apr. 20.
Beuschlein, Warren L., I. L. Collier, and C. D. Cory, Seattle, Wash. Stabilizing unset concrete. 2,077,876; Apr. 20.
Beyer, Raymond H., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,077,915; Apr. 20.
Bezanson, Melbourne W., et al. (See Herrero, Charles, assignor.)
Biach, John L. (See Geer, C. D., and Biach.)
Bierer, John M., Newton, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Making molded mats. 2,077,508; Apr. 20.
Birch, Raymond E. (See Harvey, F. A., and Birch.)
Birdseye Electric Corporation. (See Deren, Pincus, assignor.)
Bishop & Babcock Mfg. Company, The. (See Findley, Howard J., assignor.)
Bixby, Ralph F., and J. H. Meyer, St. Louis, Mo.; said Meyer assignor to said Bixby. Refrigerator. 2,077,982; Apr. 20.
Black, Crayton K. (See Murphy, A. R., and Black.)
Black & Decker Manufacturing Company, The. (See Roth, Clement E., assignor.)
Blackburn, George, and Sons Limited. (See Start, Harry W., assignor.)
Blau, Ludwig W., Houston, Tex., assignor to Standard Oil Development Company. Frequency comparing device for determining the force of gravity. 2,077,390; Apr. 20.
Blau, Ludwig W., Houston, Tex., assignor to Standard Oil Development Company. Damped wave filter. 2,077,391; Apr. 20.
Bliss, E. W., Company. (See Patrick, Isaac, assignor.)
Bliss, Harvey N., East Hartford, Conn., assignor to Veeder-Root Incorporated. Odometer. 2,077,666; Apr. 20.
Block, David J., Winnetka, Ill., assignor to H. M. Cable. Combination dye-stripper. 2,077,983; Apr. 20.
Blum, Arthur N., Philadelphia, assignor to Henry Disston & Sons, Incorporated, Tacony, Pa. Saw handle. 2,077,509; Apr. 20.
Boehler, John D., Kenmore, and R. A. Sidur, New York, N. Y., assignors to American Telephone and Telegraph Company. Spring contact gauge. 2,077,510; Apr. 20.
Boeing Aircraft Company. (See Walt, Louis S., assignor.)
Bondeson, Carl G., assignor to The Andrew Terry Company, Terryville, Conn. Ground fitting. 2,077,613; Apr. 20.
Borg-Warner Corporation. (See Fishburn, O. E., and Orr, assignors.)
Borg-Warner Corporation. (See Lyman, Kenneth E., assignor.)
Borgerd, William F., Riverside, and F. L. McCune and C. A. Uherek, Chicago, Ill., assignors to International Harvester Company. Milk refrigerating cabinet. 2,077,871; Apr. 20.
Boston Woven Hose and Rubber Company. (See Bierer, John M., assignor.)
Bowerman, Frank C., Lake Williams, N. Dak. Convertible automobile accessory. 2,077,736; Apr. 20.
Boyd, Chester V., assignor to Noo Tooth Brush, Inc., Rockford, Ill. Tooth brush. 2,077,392; Apr. 20.
Boyd, Fisher L., Haverford, assignor to National Foam System, Inc., Philadelphia, Pa. Cartridge valve. 2,077,872; Apr. 20.
Brabender, George J. (See Abrams, A., Forcey, and Brabender.)
Bradburn, George W. (See Townsend, D. W., and Bradburn.)
Brady, John B. (See Lebherz, William B. and H. J., assignors.)
Brand, Carl W. (See Rosenberry, Homer R. and R. P., assignors.)
Brandt, Thomas F., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Cable joint. 2,077,737; Apr. 20.
Braselton, Chester H., New York, N. Y., assignor to Sirian Wire and Contact Company, Newark, N. J. Tungsten metal and making the same. 2,077,873; Apr. 20.
Brassert, H. A., & Company. (See Seaver, J. J., Kinney, Kirk, and Andrews, assignors.)
Brassert-Tidewater Development Corporation. (See Curran, M. D., and Sloss, assignors.)
Breaker, Ernest R., San Antonio, Tex. Apparatus for loading rails and ties. 2,077,738; Apr. 20.
Breese, James L., Santa Fe, N. Mex., assignor to Oil Devices Corporation, Columbus, Ohio. Switch actuating attachment for motor vehicle clutch pedals. 2,077,511; Apr. 20.
Brewer, Charles A., Noroton Heights, Conn., assignor of one-half to P. J. Kury, Arverne, N. Y. Clutch control system. 2,078,173; Apr. 20.
Brewer, Charles A., Noroton Heights, Conn., assignor of one-half to P. J. Kury, Arverne, N. Y. Valve. 2,078,174; Apr. 20.
Bristol, Harold B., St. Louis, Mo. Hose stand. 2,077,668; Apr. 20.
Brixner, Frederick W. (See De Long, D. F., and Brixner.)
Bronander, Wilhelm B., Montclair, N. J., assignor to The Safety Car Heating & Lighting Company, New Haven, Conn. Internal combustion engine. 2,077,457; Apr. 20.
Brooks, Arthur M., Andover, Mass., assignor to Raffold Process Corporation. Paper manufacture. 2,077,393; Apr. 20.
Brossman, Charles, Indianapolis, Ind. Sewage sludge treatment plant. 2,077,545; Apr. 20.
Brower, Paul V., Maywood, assignor to Ditto, Incorporated, Chicago, Ill. Solvent. 2,077,874; Apr. 20.
Brown Company. (See Beardsley, Norman T., assignor.)
Brown, Cuthbert J. (See Wilson, C. H., and Brown.)
Brown, George B. (See Seigle, W. R., and Brown.)

Brown Instrument Company, The. (See Moore, Coleman B., assignor.)
Brown, James W., et al. (See Stark, Floyd J., assignor.)
Brown and Sharpe Manufacturing Company. (See Graves, B. P., and Bennett, assignors.)
Broyles, Watkins A., Eagleville, Mo. Instrument panel assembly. 2,078,121; Apr. 20.
Bruce, Donald S., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Friction material and making the same. 2,077,669; Apr. 20.
Bruner-Ritter, Inc. (See Greenbowe, James W., assignor.)
Brunnträger, Franz. (See Krinzlein, G., Greune, and Brunnträger.)
Brush, John B., Cincinnati, Ohio. Switching device for vehicle signals. 2,077,670; Apr. 20.
Bryant, Roy B., Dallas, Tex. Refrigerator. 2,077,739; Apr. 20.
Buchloh, Hans, Leverkusen-I. G. Werk, Germany, assignor, by mesne assignments, to Pen-Chlor, Inc., Philadelphia, Pa. Porous body. 2,077,512; Apr. 20.
Bucy, Edmond H., Waukegan, assignor to Atlas Powder Company, North Chicago, Ill. Composition of matter yielding films. 2,077,875; Apr. 20.
Budd, Clarence E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,077,916; Apr. 20.
Budd, Edward G., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Rail car wheel. 2,078,191; Apr. 20.
Budd, Edward G., Manufacturing Company. (See Budd, Edward G., assignor.)
Buenger, Frederick L., assignor of one-half to A. C. Johnson, Chicago, Ill. Liquid sealed pump. 2,077,394; Apr. 20.
Buhr, Joseph F., and R. G. Ellis, assignors to Buhr Machine Tool Company, Ann Arbor, Mich. Tool holder. 2,078,192; Apr. 20.
Buhr Machine Tool Company. (See Buhr, J. F., and Ellis, assignors.)
Bukolt, Roman B., Stevens Point, Wis. Container closing means. 2,077,984; Apr. 20.
Bukolt, Roman B., Stevens Point, Wis. Container sealing means. 2,077,985; Apr. 20.
Burchill, John, and G. S. J. White, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Dyeing leather. 2,077,546; Apr. 20.
Burns, Erwin, Los Angeles, and H. P. Wickersham, Huntington Park, Calif. Traveling block. 2,078,122; Apr. 20.
Burrows, Clinton A., Glendale, Calif., assignor to Store Equipment Corporation. Carrier for pneumatic dispatch tubes. 2,077,671; Apr. 20.
Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Bottom rod safety guard. 2,077,547; Apr. 20.
Butterworth, Samuel D., Detroit, Mich., assignor, by mesne assignments, of ninety-nine per cent to The Worth Company. Car loading device. 2,078,052; Apr. 20.
Buttress, George A., Los Angeles, Calif. Ribbed board. 2,077,513; Apr. 20.
Buxton, Paul H., and H. C. Foster, assignors to Western Cartridge Company, East Alton, Ill. Trap shooting apparatus. 2,077,672; Apr. 20.
Cable, Hobart M. (See Block, David J., assignor.)
Cage, John M., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,078,123; Apr. 20.
Callahan, John T., Wahan, assignor to Archer Rubber Company, Milford, Mass. Elastic fabric and making the same. 2,077,514; Apr. 20.
Camenisch, Edward T., assignor to The Mantle Lamp Company of America, Chicago, Ill. Electric lamp for semiindirect lighting purposes. 2,078,054; Apr. 20.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,077,515; Apr. 20.
Campbell, Donald J., Spring Lake Township, Ottawa County, assignor to Campbell Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Hot air heating furnace. 2,078,053; Apr. 20.
Campbell, Neal J., assignor of thirty-three and one-third per cent to T. R. Milligan, St. Louis, Mo. Paint brush. 2,078,193; Apr. 20.
Campbell, William B., Montreal, assignor to H. J. Rowley, Quebec City, Quebec, Canada. Paper making machine. 2,077,614; Apr. 20.
Campbell Wyant & Cannon Foundry Company. (See Campbell, Donald J., assignor.)
Cardwell, Harland W., assignor to The All Steel Products Manufacturing Company, Wichita, Kans. Side boom and winch attachment for tractors. 2,077,741; Apr. 20.
Carlson, Wendell L., Haddonfield, and L. R. Kirkwood, Merchantville, N. J., assignors to Radio Corporation of America. Automatic volume control with noise suppressor. 2,078,055; Apr. 20.
Carney, Daniel E., assignor of one-third to J. M. Magee, one-third to H. I. Neaman, and one-third to M. H. Carney, Pittsburgh, Pa. Refillable blade fuse. 2,077,823; Apr. 20.
Carney, Marion H., et al. (See Carney, Daniel E.) assignor.)
Carpenter, Morris T. (See Roberts, J. K., and Carpenter.)
Carroll, Eugene G. (See Sanford, R. S., and Carroll.)
Carruthers, James R. (See Hooker, F. J., and Carruthers.)
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,077,876; Apr. 20.
Cash, A. W., Company. (See Temple, Paul C., assignor.)
Cassani, Francesco, Este, Italy. Swash plate device. 2,077,986; Apr. 20.
Cassidy, Perry R. (See Harter, I., and Cassidy.)
Castino, John B., River Forest, Ill. Swinging wringer. 2,077,673; Apr. 20.
Caughlan, Martha W., San Francisco, Calif. Reflecting surface. 2,077,740; Apr. 20.
Celanese Corporation of America. (See Taylor, M. M., and Fulton, assignors.)
Chandeysson, Pierre I., St. Louis, Mo. Homopolar dynamo-electric machine. 2,077,742; Apr. 20.
Chapel, George L., Grand Rapids, Mich. Food cooking machine. 2,077,395; Apr. 20.
Chapman, Everett, Coatesville, Pa. Frame for high compression apparatus. 2,078,056; Apr. 20.
Chapman, George C., Modesto, Calif. Drier. 2,077,615; Apr. 20.
Charch, William H., Buffalo, and A. Hershberger, Kenmore, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof material. 2,077,396; Apr. 20.
Chesnut, Guy E., Jr., St. Joseph, Mo. Tie case. 2,077,458; Apr. 20.
Chicago Pneumatic Tool Company. (See Amtsberg, Lester A., assignor.)
Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
Chicago Railway Equipment Company. (See Ekholm, Herbert W., assignor.)
Chirca, Axente, Cleveland, Ohio. Liquid meter. 2,078,057; Apr. 20.
Chireix, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie sans Fil. Radiogoniometer. 2,078,058; Apr. 20.
Christensen, Magnus, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Hard surfacing weldrod. 2,077,397; Apr. 20.
Chrysler Corporation. (See Neracher, Carl A., assignor.)
Chrysler Corporation. (See Patterson, Herbert F., assignor.)
Churchill, Ralph H., Chicago, Ill. Handwheel cover. 2,078,059; Apr. 20.
Cinema Patents Company. (See Lootens, Charles L., assignor.)
Clark, Joseph C., Merchantville, N. J., assignor of one-half to The Ludington Corporation, Philadelphia, Pa., and one-half to N. S. Ludington Securities Company, Camden, N. J. Navigating instrument. 2,077,398; Apr. 20.
Clark, William A., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring cushion structure. 2,077,459; Apr. 20.
Clearing Machine Corporation. (See Glasner, Rudolph W., assignor.)
Cleary, W. A., Corporation. (See Stanley, Joseph, assignor.)
Clement, Lewis M., Mountain Lakes, assignor, by mesne assignments, to Federal Telegraph Company, Newark, N. J. Remote control system for radio receivers. 2,078,060; Apr. 20.
Clemo, George R., and J. G. Cockburn, Newcastle-on-Tyne, England, assignors to Imperial Chemical Industries Limited. Production of dinaphthylene oxide. 2,077,548; Apr. 20.
Cleveland Trust Company, The. (See Methudy, Carl E., assignor.)
Clum Manufacturing Company. (See Winning, Robert K., assignor.)
Coad, William, Ithaca, N. Y. Jaw rest for violins. 2,077,987; Apr. 20.
Coca-Cola Company, The. (See Morin, Louis H., assignor.)
Cockburn, Joseph G. (See Clemo, G. R., and Cockburn.)
Cocke, Hill, Harlingen, and G. Weiske, Mission, Tex. Covering a surface. 2,077,616; Apr. 20.
Coffelder, Thomas N., Pittsburgh, Pa. Drain valve. 2,077,460; Apr. 20.
Collier, Ira L. (See Beuschlein, W. L., Collier, and Cory.)
Collins, Arnold M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Drying oils and making same. 2,078,194; Apr. 20.
Collins, Arnold M., and L. L. Larson, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof film. 2,077,399; Apr. 20.
Collins, John H., Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof materials and making same. 2,077,400; Apr. 20.
Colman, Howard D. (See Drake, George F., assignor.)
Columbia Finance Co. (See Wren, Charles F., assignor.)
Compagnie du Chemin de Fer Métropolitain de Paris. (See Joly, Elisée A., assignor.)
Compagnie Generale d'Electricite. (See Jumau, Lucien J., assignor.)
Compagnie Generale de Telegraphie sans Fil. (See Chireix, Henri, assignor.)

Condon, Edward T., New York, N. Y. Directional sign for motor vehicles. 2,077,461; Apr. 20.
Condon, Robert S., assignor to Gleason Works, Rochester, N. Y. Mechanism for removing burrs from gears. 2,078,124; Apr. 20.
Conover, Warren C. (See Johnson, H. L., and Conover.)
Continental Oil Company. (See Bennett, Edwin O., assignor.)
Cook, Curtiss L., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Potato digger. 2,077,462; Apr. 20.
Cook, George B., Philadelphia, Pa. Indicating the rate of time systems. 2,077,463; Apr. 20.
Cooper, Harry P., Chicago, Ill. Pressing iron. 2,078,061; Apr. 20.
Cooper, Lawson H., Flint, Mich. Automobile decking device. 2,077,376; Apr. 20.
Cord Corporation. (See Duesenberg, August S., assignor.)
Corman, Louis. (See Weisberg, M., and Corman.)
Cornell, Edward S., Jr., Larchmont, assignor to American Radiator Company, New York, N. Y. Manufacturing wrought nonferrous pipe fittings. 2,078,195; Apr. 20.
Cory, Claude D. (See Beuschlein, W. L., Collier, and Cory.)
Coryell, W. C. (See Lloyd, George G., assignor.)
Cossey, John C. G., Golders Green, assignor to Meboe Limited, London, England. Steam regulator valve and the like. 2,077,988; Apr. 20.
Couture, Philippe J., Lewiston, Maine. Wrapping loaves of bread. 2,077,743; Apr. 20.
Coyle, Hugh, Seattle, Wash. Apparatus for hoisting and crowding tractor bulldozers. 2,077,674; Apr. 20.
Cramer, Pieter J. S., Chesieres Lur Ollon, Switzerland, assignor to Septa, S. A., Luxembourg, Luxembourg. Manufacture of rubber products. 2,077,617; Apr. 20.
Crane Limited. (See Taylor, William, assignor.)
Crary, Margaret E., et al. (See Crary, Palmer H., assignor.)
Crary, Palmer H., Coconut Grove, Fla., assignor of ten per cent to R. A. Wright, Rye, N. Y., and one-third to M. E. Crary, Hialeah, Fla. Fluid pressure engine. 2,077,618; Apr. 20.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Directive control system. 2,077,401; Apr. 20.
Cross, Wallace E., assignor of one-half to J. S. Murray, Detroit, Mich. Can opener. 2,077,675; Apr. 20.
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve stem. 2,078,062; Apr. 20.
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve stem. 2,078,063; Apr. 20.
Crown Cork & Seal Company. (See Fergusson, Alan R., assignor.)
Crowther, Harry R., and S. W. Hawkins, Cuyahoga Falls, Ohio. Game apparatus. 2,077,464; Apr. 20.
Cummings, George C., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph repeater. 2,077,917; Apr. 20.
Cunningham, George L. (See MacMullin, R. B., and Cunningham.)
Cuno, Charles H., and P. E. Ashton, assignors to The Cuno Engineering Corparation, Meriden, Conn. Fluid filtering apparatus. 2,077,744; Apr. 20.
Cuno Engineering Corporation, The. (See Cuno, C. H., and Ashton, assignors.)
Curran, M. D., St. Louis, Mo., and W. A. Sloss, West Frankfort, Ill., assignors to Brassert-Tidewater Development Corporation, Chicago, Ill. Coke oven equipment. 2,077,549; Apr. 20.
Currie, Robert A., Syracuse, N. Y., assignor to R. E. Dietz Company, New York, N. Y. Tubular lantern. 2,078,125; Apr. 20.
Curtis, Eugene J., et al. (See Madsen, Sern, assignor.)
Curtis, George L., et al. (See Madsen, Sern, assignor.)
Curtis Publishing Company, The. (See Grammer, A. L., and Allen, assignors.)
Cusick, Alden J., Mount Vernon, N. Y., assignor to General Outdoor Advertising Co., Chicago, Ill. Protective apron for poster structure. 2,078,126; Apr. 20.
Cutler-Hammer, Inc. (See Meuer, George J., assignor.)
Daisy Manufacturing Company. (See Lefever, Charles F., assignor.)
Dalpayrat, Henri F., assignor to Radio Patents Corporation, New York, N. Y. Radio circuits. 2,077,465; Apr. 20.
Dalpayrat, Henri F., New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Radio circuit. 2,077,550; Apr. 20.
Dalton, Charles E., Fowler, Colo. Weed and drift remover. 2,078,127; Apr. 20.
Darche, Albert A. A., Bondy, France. Cylinder head. 2,077,824; Apr. 20.
Darling, Samuel M., Oak Park, Ill., assignor, by mesne assignments, to Diversified Patents, Inc. Firebox construction. 2,077,676; Apr. 20.
Dart, William F., Mason, Mich. Apparatus for cleaning drain pipes. 2,077,516; Apr. 20.
Daubenspeck, Peter E., Pontiac, Mich. Cement building block. 2,077,989; Apr. 20.
Davidson, Willie J., Wharton, Tex. Safety latch equipped coupling pin. 2,077,825; Apr. 20.
Davies, William R. (See Thomas, H. S., and Davies.)
Davis, Arnold R. (See Miller, J. M., and Davis.)
Dawson, George H., Chicago, P. O. Unger, Glen Ellyn, and F. D. Wedge, Lombard, assignors to Wilson-Jones Company, Chicago, Ill. Summary board. 2,077,677; Apr. 20.
Day, Edwin L., Houston, Tex. Nail and tack driving device. 2,078,064; Apr. 20.
Day, Leonard, New York, N. Y. Twin 16 sound on film projector. 2,077,860; Apr. 20.
Day, Leslie G., Taplow, assignor to Magnesium Castings and Products Limited, and to High Duty Alloys Limited, Slough, England. Melting, refining and preparation for casting of magnesium and like metals. 2,077,990; Apr. 20.
Dayton Rubber Mfg. Company, The. (See Ritzert, Norman J., assignor.)
DeBethune, Gaston S. P., New York, N. Y. Portable mixer. 2,078,065; Apr. 20.
Decker, Alfred, & Cohn, Inc. (See Spina, F., and Green, assignors.)
De Groote, Melvin, St. Louis, assignor to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,077,745; Apr. 20.
De Groote, Melvin, St. Louis, and A. F. Wirtel, Kirkwood, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,077,746; Apr. 20.
Delamater, George R., Shaker Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Screening apparatus. 2,077,678; Apr. 20.
De Laval, Claude G. H., Stockholm, Sweden. Oil firing arrangement. 2,077,826; Apr. 20.
De Laval Separator Company, The. (See Strezynski, George J., assignor.)
De Long, Darrol F., and F. W. Brixner, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,077,619; Apr. 20.
De Luxe Products Corporation, The. (See Hurn, James E., assignor.)
Denning, Patrick F., Cleveland, Ohio. Stopper for nonrefillable bottles. 2,077,517; Apr. 20.
Denver Equipment Company. (See Wallace, H. V., and Logue, assignors.)
Deren, Pincus, Magnolia, Mass., assignor, by mesne assignments, to Birdseye Electric Corporation, Dover, Del. Metal coating glass. 2,077,378; Apr. 20.
Detroit Lubricator Company. (See Wile, Daniel D., assignor.)
Dettenborn, Paul, Berlin-Steglitz, Germany. Regulating arrangement for elastic fluid power plants. 2,077,384; Apr. 20.
Dichter, Jakob, Berlin-Schoneberg, Germany. Glass working machine. 2,077,827; Apr. 20.
Dicke, Oscar H., assignor to General Railway Signal Company, Rochester, N. Y. Adjustable connecting means. 2,077,620; Apr. 20.
Dietz, R. E., Company. (See Currie, Robert A., assignor.)
Dill Manufacturing Company, The. (See Crowley, John C., assignor.)
Disston, Henry, & Sons, Incorporated. (See Blum, Arthur N., assignor.)
Ditto, Incorporated. (See Brower, Paul V., assignor.)
Diversified Patents, Inc. (See Darling, Samuel M., assignor.)
Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,077,379; Apr. 20.
Dodd, Bertha A., Danville, Va. Curling iron. 2,077,991; Apr. 20.
Dombroski, Joseph J., Providence, R. I. Compartment box and assembly for use therein. 2,078,066; Apr. 20.
Dombrowski, Briney S., assignor to Westcott Rule Company, Inc., Seneca Falls, N. Y. Ruler. 2,077,828; Apr. 20.
Donald, Lawrence G. (See Hughes, D. M., and Donald.)
Doran, John H., Scotia, N. Y., assignor to General Electric Company. Locomotive drive and reversing mechanism. 2,078,128; Apr. 20.
Dorrer, Eugen. (See Wulff, C., and Dorrer.)
Douglass, William A. (See Williams, I., Douglass, and Neal.)
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,077,918; Apr. 20.
Drake, George F., assignor to H. D. Colman, Rockford, Ill. System of control for liquid fuel burners. 2,077,402; Apr. 20.
Drake, Harcourt C. (See Sperry, E. G., and Drake.)
Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 2,077,380; Apr. 20.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for producing sheet glass. 2,077,377; Apr. 20.
Dreyer, John F., Jr., Brooklyn, N. Y., assignor to Radio Corporation of America. Audio volume expander circuit. 2,077,466; Apr. 20.

Du Bois, Ernest, Itterbeek, Belgium, assignor to International Carbonic Engineering Company, Kennett Square, Pa. Refrigerating apparatus. 2,078,129; Apr. 20.
Duesenberg, August S., Indianapolis, Ind., assignor to Cord Corporation, Chicago, Ill. Cooling system for automobile engines. 2,078,067; Apr. 20.
Duff-Norton Manufacturing Company, The. (See Schwerin, Frank H., assignor.)
Dünnebier, Max. (See Winkler, A., and Dünnebier.)
Du Pont, E. I., de Nemours & Company. (See Baker, Louis S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Charch, W. H., and Hershberger, assignors.)
Du Pont, E. I., de Nemours & Company. (See Collins, Arnold M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Collins, A. M., and Larson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Collins, John H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, George De Witt, assignor.)
Du Pont, E. I., de Nemours & Company. (See Herndon, Lee R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kline, Emil, assignor.)
Du Pont, E. I., de Nemours & Company. (See Lawson, W. E., and Arvin, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Murphy, A. R., and Black, assignors.)
Du Pont, E. I., de Nemours & Company. (See Oplinger, F. F., and Wernlund, assignors.)
Du Pont, E. I., de Nemours & Company. (See Williams, I., Douglass, and Neal, assignors.)
Dürkoppwerke Aktiengesellschaft. (See Pudelko, Hermann, assignor.)
Dyson, Louis M. (See Stone, E. B., and Dyson.)
Eastman, Harlan J., Long Beach, Calif. Calibrating and testing tool for bore hole surveying instruments. 2,077,381; Apr. 20.
Edlund, Karl R. (See Evans, T., and Edlund.)
Edmondson, Morton H., Greenville, Tex. Power steering mechanism. 2,077,747; Apr. 20.
Edwards, Charles K., assignor to Guy Motors Limited, Wolverhampton, England. Change speed control mechanism for automobiles and the like. 2,078,130; Apr. 20.
Eggert, John, Leipzig-Gohlis, and G. Heymer, Wolfen Kreis Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of lenticular sound film. 2,077,518; Apr. 20.
Eiseman, Maurice, Washington, D. C. Printing press for newspaper work. 2,077,403; Apr. 20.
Eisen, Jay B., Yonkers, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Container closure. 2,077,992; Apr. 20.
Ekholm, Herbert W., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake shoe tightener. 2,077,551; Apr. 20.
Eklund, Arthur G., assignor, by mesne assignments, to Teletypesetter Corporation, Chicago, Ill. Keyboard perforator and counter. 2,077,404; Apr. 20.
Electric Furnace-Man, Inc. (See Hall, C. H., and Hilder, assignors.)
Electric & Musical Industries Limited. (See Tedham, W. F., and McGee, assignors.)
Electric Trading Corporation. (See Goldbert, M. L., and Watts, assignors.)
Electroline Corporation. (See Berndt, Arthur A., assignor.)
Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)
Eler, John L. (See Spence, H. L., and Eler.)
Eliel, Albert F., Detroit, Mich. Building veneer construction. 2,078,069; Apr. 20.
Elliott, Harry A., Jefferson, Iowa. Pretzel making machine. 2,077,993; Apr. 20.
Elliott, Walter A. (See Ross, D. F., and Elliott.)
Elliotte, Creed C., Richmond, Va. Child's convertible vehicle. 2,077,621; Apr. 20.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Dehydrogenated fuel. 2,077,994; Apr. 20.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Ellis, Rollo G. (See Buhr, J. F., and Ellis.)
Emde, Kurt, assignor to Zenith Radio Corporation, Chicago, Ill. Dial mechanism. 2,078,031; Apr. 20.
Enge, Conrad C., Petersburg, Alaska. Sanding block. 2,077,405; Apr. 20.
Engineering and Research Corporation, The. (See Geer, C. D., and Blach, assignors.)
Engs, William, and A. Redmond, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Halogenation of organic compounds. 2,077,382; Apr. 20.
Engstrom, Gustaf W., Riverside, Ill., assignor to International Harvester Company. Mud scraper for tractor wheels. 2,077,919; Apr. 20.
Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)
Erickson, Ernest R., assignor to C. E. Erickson Company, Inc., Des Moines, Iowa. Structure for display fixtures and the like. 2,077,829; Apr. 20.
Erikson, Leonard O., Malden, Mass. Lamp socket. 2,077,877; Apr. 20.
Ernst, George, Newark, N. J. Water level control for boilers. 2,077,679; Apr. 20.
Esselen, Gustavus J., Swampscott, and J. Lurie, Springfield, assignors to The Fiberloid Corporation, Indian Orchard, Mass. Making colored sheets of cellulose esters, synthetic resins, and the like. 2,078,214; Apr. 20.
Etten, Nicholas L., Waterloo, Iowa. Ironing machine. 2,077,680; Apr. 20.
Etten, Nicholas L., Waterloo, assignor to W. K. Voss, Davenport, Iowa. Laundry machine. 2,077,467; Apr. 20.
Eureka Vacuum Cleaner Company. (See Hemrich, Rudolph, assignor.)
Eustis, Henry W., Geneva, Switzerland. Swimming device. 2,078,068; Apr. 20.
Evans, Theodore, Kensington Park, and K. R. Edlund, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Mixed tertiary hexyl ethers. 2,077,681; Apr. 20.
Everett, Samuel J., London, assignor to Thos. Firth & John Brown Limited, Yorkshire, England. Drawing process. 2,077,682; Apr. 20.
Failinger, Walter H., Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Leer loader. 2,077,830; Apr. 20.
Fairchild, William, Albany, N. Y., assignor to A. P. W. Paper Company, Inc. Towel cutting and folding machine. 2,077,878; Apr. 20.
Farina, Giovanni, Turin, Italy. Hydraulic operating mechanism for motor vehicle brakes. 2,077,748; Apr. 20.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic control for brake systems. 2,077,920; Apr. 20.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load brake mechanism. 2,077,921; Apr. 20.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load brake mechanism. 2,077,922; Apr. 20.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Empty and load brake device. 2,077,923; Apr. 20.
Fausek, Arthur J., and I. F. Fausek, Clayton, Mo. Electrode holder. 2,077,468; Apr. 20.
Fausek, Irwing F. (See Fausek, Arthur J., and I. F.)
Fazel, Charles S., Syracuse, assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y. Packing and transportation of ammonium nitrate-ammonia compositions. 2,077,469; Apr. 20.
Federal Foundation Inc. (See Whitlock, R. G., and Sharp, assignors.)
Federal Telegraph Company. (See Clement, Lewis M., assignor.)
Federwitz, Theodore A., assignor to High Production Machine Company, Inc., Philadelphia, Pa. Gluing machine. 2,077,470; Apr. 20.
Feldman, Victor, New York, N. Y. Submerged water heating coil. 2,078,070; Apr. 20.
Felix, Friedrich, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Sulphonium compounds and making the same. 2,077,831; Apr. 20.
Fergusson, George, deceased, Wollaston, Mass., by H. F. Tracy, and G. B. Redding, administrators. Shoe construction. 2,078,131; Apr. 20.
Fergusson, Alan R., New Rochelle, N. Y., assignor to Crown Cork & Seal Company, Inc. Seal for receptacles. 2,078,132; Apr. 20.
Fiberloid Corporation, The. (See Esselen, G. J., and Lurie, assignors.)
Fiberloid Corporation, The. (See Lurie, Jacob, assignor.)
Fiberloid Corporation, The. (See Murdock, F. M., and Webber, assignors.)
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Electrical contact. 2,077,622; Apr. 20.
Filsinger, Adolph F., Wausau, Wis. Shoe. 2,077,879; Apr. 20.
Findley, Howard J., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Radio signaling system and apparatus. 2,077,552; Apr. 20.
Fink, Abraham S., Gloversville, assignor to Aero Improvements, Inc., New York, N. Y. Aircraft. 2,077,471; Apr. 20.
Firestone Tire & Rubber Company, The. (See Shields, Jesse W., assignor.)
Firth, Thos., & John Brown Limited. (See Everett, Samuel J., assignor.)
Fischer, Albert C., Chicago, Ill. Paving construction. 2,077,749; Apr. 20.
Fischer, Erich. (See Modersohn, A., and Fischer.)
Fish, Percy C., Kalamazoo, Mich. Composite vitreous tile and concrete stave. 2,077,750; Apr. 20.
Fishburn, Otto E., and P. Orr, Muncie, Ind., assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Double clutch transmission. 2,077,553; Apr. 20.
Fiske, Augustus H., Warren, assignor to Rumford Chemical Works, Rumford, R. I. Detergent compositions. 2,078,071; Apr. 20.
Fitchburg Paper Company. (See Uong, Diong D., assignor.)
Fleisher, Walter L., New York, N. Y. Air conditioning apparatus. 2,077,554; Apr. 20.

Floback, Elmer B. (See Ahlquist, Eugene F., assignor.)
Floss, Carl W., Detroit, Mich. Vehicle body construction. 2,077,751; Apr. 20.
Foisy, George A., assignor to Winchester Repeating Arms Company, New Haven, Conn. Testing apparatus. 2,077,383; Apr. 20.
Forcey, George W. (See Abrams, A., Forcey, and Brabender.)
Foster, Harry C. (See Buxton, P. H., and Foster.)
Foster, Theodore W., & Bro. Company. (See Parkin, Winfred T., assignor.)
Foxboro Company, The. (See Wilson, C. H., and Brown, assignors.)
Franks, Christopher J., Denville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiver. 2,078,072; Apr. 20.
Frantz, Samuel G., Princeton, N. J. Speed control device. 2,077,555; Apr. 20.
Frayer, Lee A., Kent, assignor to The Lamson & Sessions Company, Cleveland, Ohio. Making metal articles. 2,077,519; Apr. 20.
Friedrich, Wendell, Philadelphia, Pa. Swimming glove. 2,078,133; Apr. 20.
Frissell, Robert R., assignor to The Barr Rubber Products Company, Sandusky, Ohio. Form for making inflatable articles. 2,077,752; Apr. 20.
Fritz, Karl J., Johnstown, Pa. Surgical suction and pressure machine. 2,077,683; Apr. 20.
Fruit Growers Express Company. (See Sweeley, E. A., and Anderson, assignors.)
Fulton, Stephen M. (See Taylor, M. M., and Fulton.)
G-M Laboratories, Inc. (See McMaster, Archie J., assignor.)
G-M Laboratories, Inc. (See McMaster, A. J., and Parson, assignors.)
Gaertner, Moritz, Jackson Heights, N. Y. Fuel and making the same. 2,077,406; Apr. 20.
Gandon, Arthur. (See Masip, J., Gandon, and Soler.)
Gaston, Ralph M., Chicago, Ill. Change gear. 2,077,556; Apr. 20.
Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Knitted fabric and making the same. 2,077,557; Apr. 20.
Gear Grinding Machine Company, The. (See Ward, Frederick A., assignor.)
Gebert, Albert, Rapperswil, St. Gallen, Switzerland. Flushing cistern. 2,077,832; Apr. 20.
Geer, Charles D., and J. L. Biach, assignors to The Engineering and Research Corporation, New Haven, Conn. Control. 2,077,924; Apr. 20.
Geigy, J. R., A. G. (See Richard, Bernhard, assignor.)
General Aniline Works, Inc. (See Kränzlein, G., Greune, and Brunnträger, assignors.)
General Aniline Works, Inc. (See Modersohn, August, assignor.)
General Aniline Works, Inc. (See Modersohn, A., and Fischer, assignors.)
General Aniline Works, Inc. (See Neresheimer, H., Vilsmeier, and R. Held, assignors.)
General Aniline Works, Inc. (See Schlichenmaier, H., and Schörnig, assignors.)
General Aniline Works, Inc. (See Thiess, Karl, assignor.)
General Aniline Works, Inc. (See Weinand, K., and Bamberger, assignors.)
General Electric Company. (See Cage, John M., assignor.)
General Electric Company. (See Doran, John H., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., assignor.)
General Electric Company. (See Holm-Hansen, Osmund, assignor.)
General Electric Company. (See Langley, Gordon R., assignor.)
General Electric Company. (See Linde, Leonard J., assignor.)
General Electric Company. (See Miles, Lawrence D., assignor.)
General Electric Company. (See Moyer, Elmo E., assignor.)
General Electric Company. (See Rietsch, Eberhard, assignor.)
General Electric Company. (See Roider, Ralph F., assignor.)
General Electric Company. (See Savage, Marion A., assignor.)
General Electric Company. (See Townsend, George R., assignor.)
General Electric Company. (See Tröger, Richard, assignor.)
General Motors Corporation. (See Baker, Albert D., assignor.)
General Outdoor Advertising Co. (See Cusick, Alden J., assignor.)
General Railway Signal Company. (See De Long, D. F., and Brixner, assignors.)
General Railway Signal Company. (See Dicke, Oscar H., assignor.)
General Railway Signal Company. (See Field, Oscar S., assignor.)
General Railway Signal Company. (See Wion, George H., assignor.)
Gensburg, Louis W., Chicago, Ill. Control device for games. 2,077,684; Apr. 20.
Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tape pulling mechanism. 2,077,925; Apr. 20.
Gerhardt, William F., Detroit, Mich. Sail. 2,077,685; Apr. 20.
Geske, Carl W., and E. J. Roossien, Grand Rapids, assignors to Winters & Crampton Corporation, Grandville, Mich. Refrigerator door latch. 2,078,073; Apr. 20.
Gibling, Harold F., Pawtucket, assignor to Manville Jenckes Corporation, Manville, R. I. Machine for mechanically working hollow thread packages. 2,077,520; Apr. 20.
Gibson, Robert D., Rahway, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording system. 2,077,926; Apr. 20.
Gleringer, Carl R., Miamitown, Ohio. Null indicator. 2,077,833; Apr. 20.
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gilman Fanfold Corporation. (See Mabon, Carl R., assignor.)
Glipin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway car wall. 2,077,558; Apr. 20.
Gits, Remi J., Riverside, Ill. Lubricating mechanism. 2,077,880; Apr. 20.
Gits, Remi J., Chicago, Ill. Oil seal. 2,077,881; Apr. 20.
Glasner, Rudolph W., assignor to Clearing Machine Corporation, Chicago, Ill. Metal drawing press. 2,077,407; Apr. 20.
Gleason Works. (See Condon, Robert S., assignor.)
Glenn, Jesse Y., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Cooling mold. 2,077,927; Apr. 20.
Gober, George R., Alameda, Calif. Terminal bushing. 2,077,686; Apr. 20.
Goldbert, Max L., New York, N. Y., and R. T. Watts, Miami Beach, Fla., assignors to Electric Trading Corporation, New York, N. Y. Portable electric cooking stove. 2,077,687; Apr. 20.
Goñi, Joaquin F., Madrid, Spain. Roll-up shutter. 2,078,134; Apr. 20.
Goodknight, Alva L., Fort Worth, Tex. Air brake mechanism. 2,077,787; Apr. 20.
Goodknight, Alva L., Fort Worth, Tex. Air brake mechanism. 2,077,788; Apr. 20.
Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Gordon-Hume, Eric. (See Wood, Henry J., assignor.)
Göth, Hans E. A. (See Wessblad, K. A., Göth, and Naucler.)
Gottlieb, Joseph, Jersey City, N. J. Push button switch. 2,077,472; Apr. 20.
Gottlieb, Oscar F., Lake Bluff, assignor to Oakes Products Corporation, North Chicago, Ill. Piston. 2,077,688; Apr. 20.
Gould & Eberhardt. (See Zimmermann, William F., assignor.)
Gragg, John, Olympia, Wash. Veneer patch cutting machine. 2,077,623; Apr. 20.
Grammer, Allen L., Meadowbrook, and W. W. Allen, Alden, assignors to The Curtis Publishing Company, Philadelphia, Pa. Opposing offset in printing. 2,077,624; Apr. 20.
Grant, Harry C., Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Supervised electric system. 2,078,175; Apr. 20.
Graves, Benjamin P., Cranston, and A. F. Bennett, West Barrington, assignors, by mesne assignments, to Brown and Sharpe Manufacturing Company, Providence, R. I. Machine tool. 2,077,408; Apr. 20.
Graves, George De W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation of furfural. 2,077,409; Apr. 20.
Gray Tool Company. (See Yancey, John R., assignor.)
Green, Abraham J., and H. R. Harding, Baltimore, Md., assignors to The National Equipment Company. Power operated meat sawing and cutting machine. 2,077,559; Apr. 20.
Green, Charles G. (See Spina, F., and Green.)
Greenbowe, James W., Newark, N. J., assignor to Bruner-Ritter, Inc. Bracelet connecter. 2,077,473; Apr. 20.
Greune, Heinrich. (See Kränzlein, G., Greune, and Brunnträger.)
Griffiths, Hezekiah J., Fairfield, Iowa. Cream can rack and strainer support. 2,078,135; Apr. 20.
Grobstein, Julius A., Chicago, Ill. Knife sharpener. 2,077,689; Apr. 20.
Gross, Ernst. (See Ruppe, H., and Probst, assignors.)
Gumm, Percy E., Oklahoma City, Okla. Timing and signaling apparatus. 2,078,136; Apr. 20.
Gundlach, Severin N., Belleville, Ill. Shingle cutter. 2,077,474; Apr. 20.
Gunnfors, Sven. (See Östlund, A. E. P., and Gunnfors.)
Gutmann, Ferdinand, & Co. (See Elsen, Jay B., assignor.)
Guy Motors Limited. (See Edwards, Charles K., assignor.)
H. L. J. Specialty Co. (See Hayden, Robert B., assignor.)

Haberstroh, Charles, New Rochelle, N. Y., Clothesline pulley. 2,078,074; Apr. 20.
Haedike, Edward J. (See Levey, C. J., and Haedike.)
Hagedorn, Max, and A. Jung, Desau, and G. Wilmanns, Wolfen Kreis Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Antihalation layer. 2,077,789; Apr. 20.
Hakogi, Ichiro, Higashi Yoshino-cho, Higashi-ku, Nagoya, Japan. Method of and apparatus for printing on curved faced bodies. 2,077,790; Apr. 20.
Hall, Cortice H., Glen Rock, and F. L. Hilder, Clifton, N. J., assignors, by mesne assignments, to Electric Furnace-Man, Inc., New York, N. Y. Stoker. 2,077,882; Apr. 20.
Hall, Frederick W., Brooklyn, N. Y. Pneumatic valve. 2,077,995; Apr. 20.
Hall, Harry Y., Mount Vernon, N. Y. Eliminator plate washer. 2,077,996; Apr. 20.
Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Lighting unit. 2,078,137; Apr. 20.
Hamersley, Carl S., New York, N. Y. Making paper. 2,077,475; Apr. 20.
Hamner, Elgin A., Shreveport, La. Towel cabinet. 2,077,753; Apr. 20.
Hand, Norman C., Toronto, Ontario, Canada, assignor to S. Morgan Smith Company, York, Pa. Hydraulic turbine. 2,077,883; Apr. 20.
Hanna, William T., Cincinnati, Ohio. Stoker. 2,077,791; Apr. 20.
Hansen, Eugene J., Portland, Oreg. Measuring instrument. 2,078,138; Apr. 20.
Harbison-Walker Refractories Company. (See Harvey, F. A., and Birch, assignors.)
Harding, Hiram R. (See Green, A. J., and Harding.)
Harner, Joseph P., Nevada, Mo. Grave marker. 2,077,834; Apr. 20.
Harris, Grove W., et al. (See Beckler, Oakley K., assignor.)
Harrison, Henry, Conshohocken, Pa. Display device. 2,077,690; Apr. 20.
Hart, Frederick A., Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 2,078,075; Apr. 20.
Harter, Charles, St. Louis, Mo. Car coupler centering device. 2,077,560; Apr. 20.
Harter, Isaac, New York, N. Y., and P. R. Cassidy, Short Hills, assignors, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J. Furnace. 2,077,410; Apr. 20.
Hartung, Walter H. (See Miller, E., and Hartung.)
Hartwig, Arthur H., Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Welded center plate. 2,078,176; Apr. 20.
Harvey, Frederic A., and R. E. Birch, assignors to Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractory mortar composition. 2,077,793; Apr. 20.
Harvey, Frederic A., and R. E. Birch, assignors to Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractories. 2,077,794; Apr. 20.
Harvey, Frederic A., and R. E. Birch, assignors to Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractories. 2,077,795; Apr. 20.
Harvey, Frederic A., and R. E. Birch, assignors to Harbison-Walker Refractories Company, Pittsburgh, Pa. Chrome ore refractories. 2,077,796; Apr. 20.
Harvey, Rodney B., St. Paul, Minn. Treating fruit. 2,077,411; Apr. 20.
Haskelite Manufacturing Corporation. (See Rozema, Charles E., assignor.)
Hassenfeld Bros. Inc. (See Oelbaum, Henry, assignor.)
Haultain, Herbert E. T., Toronto, Ontario, Canada. Concentrator. 2,077,476; Apr. 20.
Hawkins, Sylvanues W. (See Crowther, H. R., and Hawkins.)
Hawn, William L., Kansas City, Mo. Tufting button. 2,077,691; Apr. 20.
Hayden, Robert B., assignor to H. L. J. Specialty Co., Seattle, Wash. Registering money bank. 2,077,521; Apr. 20.
Haynes, Jacob M., Macksville, Kans. Wire stretcher. 2,078,140; Apr. 20.
Hazel-Atlas Glass Company. (See Failinger, Walter H., assignor.)
Heatwole, Floyd E., Ballston, Va. Battery connecter. 2,077,522; Apr. 20.
Hedene, Edwin E., Oakland, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Combined wrench and locking member. 2,077,997; Apr. 20.
Heichemer, Anthony E. (See Orr, F. L., and Wattelet, assignors.)
Heine, Hermann, assignor to E. Leitz, Optische Werke, Wetzlar, Germany. Illuminator attachment for microscopes. 2,077,792; Apr. 20.
Hefnitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik, Aktiengesellschaft, Chemnitz, Germany. Widening fabrics. 2,077,835; Apr. 20.
Heise, George W., North Olmsted, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Battery cell. 2,077,561; Apr. 20.
Heise, George W., North Olmsted, and E. A. Schumacher, Lakewood, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Battery cell. 2,077,562; Apr. 20.
Held, Robert. (See Neresheimer, H., Vilsmeier, and Held.)
Hellman, Henry F., Cleveland, Ohio. Submersible rescue apparatus for submarines. 2,077,477; Apr. 20.
Helwith, Alfred L., Larchmont, N. Y. Fabric. 2,077,692; Apr. 20.
Hemrich, Rudolph, assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Brush assembly for vacuum cleaners and the like. 2,077,754; Apr. 20.
Henry, Thomas J., Wilkes-Barre, Pa., assignor to National Exhaust Purifier Co. Inc. Exhaust filter and purifier. 2,077,563; Apr. 20.
Hernandez, José A. y, Habana, Cuba. Electrically operated clock. 2,077,755; Apr. 20.
Herndon, Lee R., Richmond, Va., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for making films. 2,077,836; Apr. 20.
Herrero, Charles, assignor of one-fourth to G. W. Keenan and one-fourth to M. W. Bezanson, Oakland, Calif. Fluid operated tool. 2,077,693; Apr. 20.
Hershberger, Albert. (See Charch, W. H., and Hershberger.)
Herzog, Maria B., administratrix. (See Herzog, R. O., and Hoffmann.)
Herzog, Reginald O., deceased, Berlin-Steglitz, and H. Hoffmann, Berlin-Lichterfelde, Germany; M. B. Herzog, administratrix of said R. O. Herzog, assignors of forty percent to E. J. Lorand, Wilmington, Del. Preparation of a molded cellulose foam from viscose and product thereof. 2,077,412; Apr. 20.
Hesper, José, Cordba, Argentina, assignor to J. Sheahin, Washington, D. C. Inflatable ball. 2,078,141; Apr. 20.
Hester, William F. (See Hollander, C. S., and Hester.)
Hetherington & Berner Inc. (See Hurst, John I., assignor.)
Heuser, Herman, Evanston, Ill. Coffee extract and method of and apparatus for producing the same. 2,077,564; Apr. 20.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train control brake. 2,077,928; Apr. 20.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Railway vehicle brake system. 2,077,929; Apr. 20.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,077,930; Apr. 20.
Heyer, Don, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Variable speed power unit. 2,078,196; Apr. 20.
Heymer, Gerd. (See Eggert, J., and Heymer.)
Hickman, Alfred G. T., Brakpan, assignor to Hunt, Leuchars and Hepburn, Limited, Johannesburg, Transvaal, Union of South Africa. Rotary automatic feed for crosscut saws for parqueting flooring and the like. 2,078,177; Apr. 20.
Higgins, Darragh L., Dedham, assignor to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass. Heat exchange apparatus. 2,077,625; Apr. 20.
High Duty Alloys Limited, et al. (See Day, Leslie G., assignor.)
High Production Machine Company. (See Federwitz, Theodore A., assignor.)
Hilder, Frederick L. (See Hall, C. H., and Hilder.)
Hines, James F., assignor to R. J. Hines, Lakewood, Ohio. Hinge or joint. 2,078,076; Apr. 20.
Hines, Russell J. (See Hines, James F., assignor.)
Hinton, George W., Appleton, assignor to Menasha Woodenware Corporation, Menasha, Wis. Adjustable depth folding box. 2,077,694; Apr. 20.
Hodgkins, Albert A., Leonia, N. J., assignor, by mesne assignments, to Bendix Products Corporation, South Bend, Ind. Automatic clutch control. 2,077,413; Apr. 20.
Hoffmann, Helmut. (See Herzog, R. O., and Hoffmann.)
Hollander, Charles S., Holmesburg, and F. E. Williams, Emlenton, assignors to Röhm & Haas Company, Philadelphia, Pa. Polythiocyano esters. 2,077,478; Apr. 20.
Hollander, Charles S., Holmesburg, and W. F. Hester, Drexel Hill, assignors to Röhm & Haas Company, Philadelphia, Pa. Polythiocyano esters. 2,077,479; Apr. 20.
Hollands, Louis C., Verona, N. J., assignor to Radio Corporation of America. Automatic fidelity control. 2,078,077; Apr. 20.
Holm-Hansen, Osmund, Stratford, Conn., assignor to General Electric Company. (Washing machine 2,078,139; Apr. 20.
Holmes, Raymond J., Lynn, Mass. Eyelet row tapping machine. 2,077,797; Apr. 20.
Holst, Poul F. G., Oaklyn, N. J., assignor to Radio Corporation of America. Amplifier. 2,077,565; Apr. 20.
Holst, Poul F. G., Audubon, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio-phonograph apparatus. 2,077,566; Apr. 20.
Holwech, Wilhelm, Oslo, Norway. Refining of sperm oil or wax. 2,077,837; Apr. 20.
Hood, Philip G., Newark, N. J. Drying frame. 2,078,078; Apr. 20.

Hooker, Frederick J., Cincinnati, and J. R. Carruthers, Glendale, assignors to The Stearns & Foster Company, Lockland, Ohio. Fireproof filtering material. 2,078,197; Apr. 20.
Hookless Fastener Company. (See Poux, Noel J., assignor.)
Hoover Company, The. (See Smillie, Donald G., assignor.)
Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Brake drum. 2,077,695; Apr. 20.
Hornbrook, John W., Larned, Kans. Automatic chuck control for rotary core drilling machines. 2,077,696; Apr. 20.
Houde Engineering Corporation. (See Peo, Ralph F., assignor.)
House, William E., United States Army, Auburndale, Fla. Gun. 2,077,415; Apr. 20.
Howard, Guy C., and E. T. Sandborn, Wausau, assignors to Marathon Paper Mills Company, and Guy C. Howard Company, Rothschild, Wis. Lignin sulphonic acid molding compositions and treating same. 2,077,884; Apr. 20.
Howard, Guy C., Company, et al. (See Howard, G. C., and Sandborn, assignors.)
Howard, Jesse R., assignor to Howard Safety Window, Incorporated, Milwaukee, Wis. Swinging window. 2,077,885; Apr. 20.
Howard Safety Window, Incorporated. (See Howard, Jesse R., assignor.)
Howe Manufacturing Company. (See Turner, Charles A., assignor.)
Hug, Fritz A., Berkeley, Calif. Apparatus for calculating trigonometric problems. 2,077,523; Apr. 20.
Hughes, Douglas M., and L. G. Donald, Toronto, Ontario, Canada. Gear lever carburetor control. 2,077,838; Apr. 20.
Hull, Samuel P., Yonkers, assignor to Railroad Accessories Corporation, New York, N. Y. Door fastener. 2,077,626; Apr. 20.
Humason, Granville A., Houston, Tex. Combination wellhead and Christmas tree. 2,077,480; Apr. 20.
Humphner, Ferdinand W., Oak Park, assignor to Mid-States Gummed Paper Co., Chicago, Ill. Multiply latex-treated paper. 2,077,998; Apr. 20.
Hundemer, Charles C., Baton Rouge, La. Automatic defrosting switch. 2,077,839; Apr. 20.
Hunt, Leuchars and Hepburn, Limited. (See Hickman, Alfred G. T., assignor.)
Hunt, Walter Y. C., Short Hills, N. J., assignor to Reynolds Metals Company, New York, N. Y. Packing cheese. 2,077,697; Apr. 20.
Hunting, Isaac E., Detroit, Mich. Card table. 2,077,414; Apr. 20.
Huppert, Paul, Mannheim, and H. Wolff, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Transparent phosphate glass. 2,077,481; Apr. 20.
Hurd, Edwin P., Detroit, Mich. Locking mechanism. 2,077,698; Apr. 20.
Hurn, James E., Saugerties, N. Y., assignor to The De Luxe Products Corporation, La Porte, Ind. Filter. 2,077,999; Apr. 20.
Hurst, John L., assignor to Hetherington & Berner Inc., Indianapolis, Ind. Steam-jacketed asphalt bucket. 2,077,756; Apr. 20.
I. G. Farbenindustrie Aktiengesellschaft. (See Eggert, J., and Heymer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Huppert, P., and Wolff, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rosinsky, W., and Baumann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wulff, C., and Dorrer, assignors.)
Imperial Chemical Industries Limited. (See Burchill, J., and White, assignors.)
Imperial Chemical Industries Limited. (See Clemo, G. R., and Cockburn, assignors.)
Imperial Chemical Industries Limited. (See Mendoza, Mordecai, assignor.)
Imperial Chemical Industries Limited. (See Sharp, F. L., and Barrowcliff, assignors.)
Independent Press Room Inc. (See Rossiter, Wayne F., assignor.)
Industrikemiska Aktiebolaget. (See Wessblad, K. A., Göth, and Naucler, assignors.)
Inland Container Corporation. (See Lincoln, Willis B., Jr., assignor.)
International Carbonic Engineering Company. (See Du Bois, Ernest, assignor.)
International Cigar Machinery Company. (See Neumair, Joseph A., assignor.)
International Harvester Company. (See Borgerd, W. F., McCune, and Uherek, assignors.)
International Harvester Company. (See Engstrom, Gustaf W., assignor.)
International Harvester Company. (See Kuttner, Julius, assignor.)
International Harvester Company. (See Leonard, Glenn D., assignor.)
International Harvester Company. (See Lindgren, Alexus C., assignor.)
International Harvester Company. (See Ramelow, Axel E., assignor.)
International Precipitation Company. (See Lissman, Marcel A., assignor.)
Ireland, Murray, St. Paul, Minn., assignor, by mesne assignments, to McGraw Electric Company, Chicago, Ill. Automatic toaster. 2,077,627; Apr. 20.
Irving, John S., Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,077,931; Apr. 20.
Jackson, Joseph G., Oak Park, assignor to Edward Katzinger Company, Chicago, Ill. Baking pan and material. 2,077,757; Apr. 20.
James, Virgil E., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Railroad signaling systems. 2,077,932; Apr. 20.
Jelalian, Martin, New York, N. Y. Reciprocating winged device for airplanes. 2,077,798; Apr. 20.
Jensen, Aage, deceased, Los Angeles, Calif., M. M. Jensen, executrix. Apparatus for treating liquids. 2,078,000; Apr. 20.
Jensen, Maude M., executrix. (See Jensen, Aage.)
Jensen, Robert, Sioux City, Iowa. Auto gauge. 2,077,416; Apr. 20.
Johns-Manville Corporation. (See Bruce, Donald S., assignor.)
Johns-Manville Corporation. (See Powell, Edward R., assignor.)
Johns-Manville Corporation. (See Seigle, W. R., and Brown, assignors.)
Johnson, Arthur C. (See Buenger, Frederick L., assignor.)
Johnson Brothers Engineering Corporation. (See Johnson, Harry L., assignor.)
Johnson Brothers Engineering Corporation. (See Johnson, H. L., and Conover, assignors.)
Johnson, Carl V., assignor to Bendix Research Corporation, South Bend, Ind. Shock absorber strut. 2,077,933; Apr. 20.
Johnson, Carl V., assignor to Bendix Aviation Corporation, South Bend, Ind. Oleo gear. 2,077,934; Apr. 20.
Johnson, Carl V., assignor to Bendix Aviation Corporation, South Bend, Ind. Shock absorbing strut. 2,077,935; Apr. 20.
Johnson, Harry L., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill. Internal combustion engine. 2,078,178; Apr. 20.
Johnson, Harry L., and W. C. Conover, assignors to Johnson Brothers Engineering Corporation, Waukegan, Ill. Trolling plate. 2,078,179; Apr. 20.
Johnson, John C., Glen Cove, and G. H. Nenning, Bellmore, N. Y. Toothbrush. 2,077,758; Apr. 20.
Joly, Elisée A., Epinay-sur-Seine, assignor to Compagnie du Chemin de Fer Métropolitain de Paris, Paris, France. Railroad signaling system. 2,078,001; Apr. 20.
Jones, John E., Toronto, and R. J. Unsworth, Niagara Falls, Ontario, Canada. Hydraulic air compressor. 2,077,482; Apr. 20.
Jones, Leo D., Philadelphia, Pa. Process and apparatus for the separation of sludge from a liquid. 2,077,799; Apr. 20.
Jones, Ralph S. S., Toronto, Ontario, assignor to Vibra-Lite Limited, Montreal, Quebec, Canada. Illuminated display. 2,078,142; Apr. 20.
Joost, William E., Oakland, Calif. Sign. 2,077,759; Apr. 20.
Jordan, Le Grand L., Los Angeles, Calif. Motorcycle. 2,077,628; Apr. 20.
Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 2,077,417; Apr. 20.
Juergens, Arthur W., Milwaukee, Wis. Stocking form. 2,077,886; Apr. 20.
Juman, Lucien J., assignor to Compagnie Generale d'Electricite, Paris, France. Regenerative electric cell. 2,078,143; Apr. 20.
Jung, Adolf. (See Hagedorn, M., Jung, and Wilmanns.)
Katzinger, Edward, Company. (See Jackson, Joseph G., assignor.)
Kayser, Julius, & Co. (See Beniston, William J., assignor.)
Kazanjian, Souren, Woodside, N. Y. War protecting device. 2,078,079; Apr. 20.
Kearney & Trecker Corporation. (See Parsons, Fred A., assignor.)
Keenan, George W., et al. (See Herrero, Charles, assignor.)
Keil, Francis, & Son, Inc. (See Keil, H. F., and Schoorel, assignors.)
Keil, Henry F., Scarsdale, and A. Schoorel, New York, N. Y., assignors to Francis Keil & Son, Inc. Attachment for doors. 2,078,002; Apr. 20.
Keller-Dorian Colorfilm Corporation. (See Kitroser, Isaac, assignor.)
Kelly, Ernest B., Chicago, Ill. Dental impression paste. 2,077,418; Apr. 20.
Kenan, Wilder, San Antonio, Tex. Precast concrete unit system for wall construction. 2,078,144; Apr. 20.
Kenlston, Albert J., Jr. (See Tripp, Elbert D., assignor.)
Kestel, Henry C., assignor to The Myers Regulator Co., Toledo, Ohio. Regulator. 2,077,483; Apr. 20.
Kidde, Walter, & Company. (See Grant, Harry C., Jr., assignor.)
King, Edward F., Oak Park, assignor to Available Truck Company, Chicago, Ill. Coupling. 2,077,484; Apr. 20.

King, George D., assignor to United States Gypsum Company, Chicago, Ill. Set-stabilized gypsum plaster. 2,078,198; Apr. 20.
King, George D., assignor to United States Gypsum Company, Chicago, Ill. Heatproofed set-stabilized gypsum plaster. 2,078,199; Apr. 20.
King, George D., assignor to United States Gypsum Company, Chicago, Ill. Set-stabilized gypsum plaster. 2,078,200; Apr. 20.
Kinkead, Fullerton S., Ridgefield Park, N. J., and G. A. Locke, Glenwood Landing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph circuit. 2,077,936; Apr. 20.
Kinney, Selwyne P. (See Seaver, J. J., Kinney, Kirk, and Andrews.)
Kinzel, Augustus B., Douglaston, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Purifying ferrous metals. 2,077,568; Apr. 20.
Kirk, William M. (See Seaver, J. J., Kinney, Kirk, and Andrews.)
Kirkwood, Loren R. (See Carlson, W. L., and Kirkwood.)
Kish, Theodore F., Portland, Oreg. Wheel supported crutch. 2,077,569; Apr. 20.
Kitroser, Isaac, assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y. Apparatus for copying cinematographic films. 2,078,080; Apr. 20.
Klein, William B., Chicago, Ill. Door for tanks. 2,078,003; Apr. 20.
Kline, Emil, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structures. 2,077,699; Apr. 20.
Kline, Emil, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial silk having subdued luster. 2,077,700; Apr. 20.
Knoerr, Sam, Terrell, Tex. Hydraulically controlled sand testing device. 2,077,760; Apr. 20.
Koebel, Frank E., Glen Ridge, N. J., assignor to J. K. Smit & Sons, Inc., New York, N. Y. Diamond tool. 2,078,201; Apr. 20.
Komow, Albert, assignor to U. S. Cloth Cutting Machine Co. Inc., New York, N. Y. Perforating and cutting machine. 2,077,937; Apr. 20.
Körös, Lászlö, Berlin-Mariendorf, Germany. Potential divider. 2,077,840; Apr. 20.
Kovats, John, Fairfield, Conn. Folding table. 2,077,701; Apr. 20.
Kraeft, Herman L., assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio. Stoker mechanism. 2,077,419; Apr. 20.
Kraeft, Herman L., assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio. Apparatus for stoking furnaces. 2,077,420; Apr. 20.
Kramer, Frank, Cleveland Heights, Ohio. Clothesline reel. 2,078,081; Apr. 20.
Kränzlein, Georg, H. Greune, and F. Brunnträger, Frankfort-on-the-Main, Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the dioxazine series soluble in water and preparing them. 2,077,887; Apr. 20.
Kraus, Wilhelm, Vienna, Austria. Condensation products and making same. 2,077,841; Apr. 20.
Kress, S. H., and Company. (See Sibbert, Edward F., assignor.)
Kretz, Theodor. (See Kuhl, E., and Kretz.)
Kroger, Fred H., Rocky Point, N. Y., assignor to Radio Corporation of America. Frequency control transmission line. 2,077,800; Apr. 20.
Kronenberg, Isaac B., Baltimore, Md. Medical apparatus. 2,078,180; Apr. 20.
Kuhl, Eduard, and T. Kretz, Essen, Germany. Coke oven and like furnace. 2,077,842; Apr. 20.
Kury, Philip J. (See Brewer, Charles A., assignor.)
Kuttner, Julius, Beloit, Wis., assignor to International Harvester Company. Injection valve for engines. 2,077,938; Apr. 20.
Kylén, Karl E., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Crank shaft seal. 2,077,761; Apr. 20.
LaBrie, Ludger E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,077,939; Apr. 20.
Laclede-Christy Clay Products Company. (See McKelvey, J. H., and Rogers, assignors.)
Lafitte, Theodore J.-B., Paris, France, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,077,940; Apr. 20.
Lahr, Herbert H., Evansville, Ind. Apparel hook. 2,077,629; Apr. 20.
Lamare, Vincent A., Chicago, Ill. Receptacle. 2,077,570; Apr. 20.
Lamson & Sessions Company, The. (See Frayer, Lee A., assignor.)
Land, Edwin H., Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J. Device employing polarized light. 2,078,181; Apr. 20.
Lane, George, New Haven, Conn. Substandard motion picture film carrying sound. 2,077,702; Apr. 20.
Lane, William H., Framingham, Mass. Drag. 2,077,630; Apr. 20.
Lange, Emil, Berlin-Zehlendorf, Germany. Contrivance for the simultaneous winding-up and unwinding of an endless film-strip. 2,077,843; Apr. 20.
Langford, George, Joliet, Ill. Manufacturing rail joint bars. 2,078,082; Apr. 20.
Langley, Gordon R., Peterborough, Ontario, Canada, assignor to General Electric Company. Circuit breaker. 2,078,145; Apr. 20.
Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Fountain pen barrel. 2,078,083; Apr. 20.
Larsh, Everett P., Vandalia, assignor to The Master Electric Company, Dayton, Ohio. Motor brake. 2,077,888; Apr. 20.
Larson, Louis L. (See Collins, A. M., and Larson.)
Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Card verifier. 2,078,084; Apr. 20.
Lauer, Carl E., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Lubricating compound. 2,077,762; Apr. 20.
Lauterbur, Edward J., and F. X. Lauterbur, deceased, by W. S. Lauterbur, executrix, Sidney, Ohio. Timing mechanism. 2,077,631; Apr. 20.
Lauterbur, Frank X. (See Lauterbur, Edward J., and F. X.)
Lauterbur, Wilhelmina S., executrix. (See Lauterbur, Edward J., and F. X.)
Lawson, Gottfrid C., Canton, Ohio. Air conditioning cabinet. 2,078,085; Apr. 20.
Lawson, Walter E., and J. A. Arvin, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers and preparing same. 2,077,485; Apr. 20.
Lazier, Wilbur A., Elmhurst, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation process. 2,077,421; Apr. 20.
Lazier, Wilbur A., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenating furfural. 2,077,422; Apr. 20.
Lebherz, Harry J. (See Lebherz, William B., and H. J.)
Lebherz, William B. and H. J., Frederick, Md., assignors, by mesne assignments, to J. B. Brady, Washington, D. C. Apparatus for making dental amalgam and other dies. 2,077,423; Apr. 20.
Le Blanc, Alphonse J., Little Brook Station, Nova Scotia, Canada. Fire escape. 2,078,146; Apr. 20.
Lebow, Charles F., Salina, Kans. Snare drum muffler and practice pad. 2,078,004; Apr. 20.
Lee, Harley C., Columbus, assignor to Basic Dolomite, Inc., Cleveland, Ohio. Refractory and process of making. 2,078,086; Apr. 20.
Leeds & Northrup Company. (See Behr, Leo, assignor.)
Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Toy gun. 2,077,763; Apr. 20.
Leighton, John W., Port Huron, Mich. Adjustable hinge joint. 2,077,844; Apr. 20.
Leighton, John W., Port Huron, Mich. Grease fitting and forming same. 2,078,212; Apr. 20.
Leitz, Ernst, Optische Werke. (See Heine, Hermann, assignor.)
Leitz, Ernst, Optische Werke, G. m. b. H. (See Riepert, Hermann, assignor.)
Lenarth, Clarence C., Gardena, Calif. Pump packing. 2,077,571; Apr. 20.
Leonard, Glenn D., Auburn, N. Y., assignor to International Harvester Company. Endless conveyer. 2,077,941; Apr. 20.
Levey, Clarence J., Park Ridge, and E. J. Haedike, assignors to National Machine Works, Chicago, Ill. Gas burner. 2,077,424; Apr. 20.
Lewis, Harry F., Hamden, Conn., assignor to United States Rubber Products, Inc., New York, N. Y. Article assembling conveyer mechanism. 2,077,786; Apr. 20.
Libbey-Owens-Ford Glass Company. (See Drake, John L., assignor.)
Libbey-Owens-Ford Glass Company. (See Watkins, George B., assignor.)
Lieber, Hugo, assignor, by mesne assignments, to Lieber Patents Corporation, New York, N. Y. Bone conduction hearing-aid. 2,077,425; Apr. 20.
Lieber, Hugo, assignor to Lieber Patents Corporation, New York, N. Y. Bone conduction hearing aid device. 2,077,426; Apr. 20.
Lieber Patents Corporation. (See Lieber, Hugo, assignor.)
Liles Fuel Vaporizer Corporation. (See Liles, Thomas O., assignor.)
Liles, Thomas O., Detroit, Mich., assignor to Liles Fuel Vaporizer Corporation, Tyler, Tex. Fuel vaporizer. 2,077,764; Apr. 20.
Lincoln, Willis B., Jr., assignor to Inland Container Corporation, Indianapolis, Ind. Light shielded handled fiberboard case. 2,078,087; Apr. 20.
Linde, Leonard J., Drexel Hill, Pa., assignor to General Electric Company. Electric control device. 2,078,147; Apr. 20.
Lindgren, Alexus C., Chicago, Ill., assignor to International Harvester Company. Tractor plow hitch. 2,077,942; Apr. 20.
Linsley, Douglas F., Old Greenwich, Conn., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,077,943; Apr. 20.
Lissman, Marcel A., Middlesex, N. J., assignor to International Precipitation Company, Los Angeles, Calif. Gas scrubber. 2,077,427; Apr. 20

Little, Robert P., Santa Paula, Calif. Therapeutic device. 2,077,703; Apr. 20.

Lloyd, George G., assignor of one-twentieth to W. C. Coryell, Youngstown, Ohio. Mill plant for rolling hot metal. 2,078,005; Apr. 20.

Locke, George A. (See Kinkead, F. S., and Locke.)

Lockwood, Henry C., Brooklyn, N. Y. Apparatus for welding. 2,078,006; Apr. 20.

Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,077,572; Apr. 20.

Logan, John W., Jr., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Retardation controlled brake. 2,077,944; Apr. 20.

Logan, John W., Jr., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic brake control. 2,077,945; Apr. 20.

Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Empty and load brake. 2,077,946; Apr. 20.

Logue, Leland H. (See Wallace, H. V., and Logue.)

Loichot, Raymond W. (See Bahl, John I., assignor.)

Longstreet, Walter H., assignor to Acme Air Appliance Company, Inc., Brooklyn, N. Y. Pressure fluid gauge. 2,078,148; Apr. 20.

Lootens, Charles L., Leonia, N. J., assignor to Cinema Patents Company, Inc., New York, N. Y. Motion picture film printer. 2,077,486; Apr. 20.

Lorand, Eugene J. (See Herzog, R. O., and Hoffmann, assignors.)

Loughlin, William D., Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiver. 2,077,573; Apr. 20.

Lubberger, Fritz, Berlin, assignor to Siemens & Halske Aktiengeselischaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone party line system. 2,077,947; Apr. 20.

Luboshez, Benjamin E., Harrow, England. X-ray photographic apparatus. 2,077,704; Apr. 20.

Ludington Corporation, The, et al. (See Clark, Joseph C., assignor.)

Ludington, N. S., Securities Company, et al. (See Clark, Joseph C., assignor.)

Ludwig, Louis, Brooklyn, N. Y. Electric outlet for portable electric lamps and other fixtures. 2,077,801; Apr. 20.

Lundeen, Joseph A., et al. (See Stark, Floyd J., assignor.)

Lurie, Jacob. (See Esselen, G. J., and Lurie.)

Lurie, Jacob, Springfield, assignor to The Fiberloid Corporation, Indian Orchard, Mass. Making articles having the appearance of pearl. 2,078,007; Apr. 20.

Lurie, Jacob, Springfield, assignor to The Fiberloid Corporation, Indian Orchard, Mass. Ornamenting material. 2,078,008; Apr. 20.

Lutz, Clay B., Hagerstown, Md. Cap for toothpaste tubes. 2,078,149; Apr. 20.

Lyman, Kenneth E., assignor to Borg-Warner Corporation, Chicago, Ill. Automatic freewheel clutch. 2,077,487; Apr. 20.

Maatschappij van Berkel's Patent N. V. (See Windemuller, Jan H., assignor.)

Mabon, Carl R., Niagara Falls, N. Y., assignor, by mesne assignments, to Gilman Fanfold Corporation. Strip controlling attachment. 2,077,428; Apr. 20.

Macdonald, David B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for making shoes. 2,077,524; Apr. 20.

MacFarland, Albert E., Millburn, assignor to Sirian Wire and Contact Company, Newark, N. J. Tungsten manufacture. 2,078,182; Apr. 20.

MacMullin, Robert B., and G. L. Cunningham, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Production of sodium hydroxide from sodium sesqui-carbonate. 2,078,092; Apr. 20.

Madsen, Sern, assignor to G. L. and E. J. Curtis, and C. A. Armstrong, Clinton, Iowa. Weather strip structure. 2,077,845; Apr. 20.

Magee, James M., et al. (See Carney, Daniel E., assignor.)

Magnesium Castings and Products Limited, et al. (See Day, Leslie G., assignor.)

Maloff, Ioury G., Philadelphia, Pa., assignor to Radio Corporation of America. Television receiver. 2,077,574; Apr. 20.

Manning, Fowler, Bronxville, assignor to Standard Air Conditioning, Inc., New York, N. Y. Humidifier unit. 2,078,202; Apr. 20.

Manning, Fowler, Bronxville, assignor to Standard Air Conditioning, Inc., New York, N. Y. Humidifier unit. 2,078,203; Apr. 20.

Manning, Fowler and S. W., Bronxville, assignors to American Radiator Company, New York, N. Y. Humidifying apparatus. 2,078,204; Apr. 20.

Manning, Streckfus W. (See Manning, Fowler and S. W.)

Mantius, Ernest. (See Mantius, Otto and E.)

Mantius, Otto, Jackson Heights, N. Y., and E. Mantius, Englewood, N. J.; said E. Mantius assignor to said O. Mantius. Recovering sulphuric acid from sulphuric acid solutions of sulphates. 2,078,088; Apr. 20.

Mantle Lamp Company of America, The. (See Camenisch, Edward T., assignor.)

Manville Jenckes Corporation. (See Gibling, Harold F., assignor.)

Marathon Paper Mills Company. (See Abrams, A., Forcey, and Brabender, assignors.)

Marathon Paper Mills Company, et al. (See Howard, G. C., and Sandborn, assignors.)

Marsh, Harry V., Chicago, Ill. Changeable exhibitor. 2,077,632; Apr. 20.

Mart, Leon T., Johnson County, Kans. Cooling tower. 2,078,089; Apr. 20.

Martin, Charles B., Los Angeles, Calif. Motor compressor. 2,077,802; Apr. 20.

Martin, George B. (See Wiggins, G. A., and Martin.)

Martin, Roy L., Tyler, Tex. Cushioning means for bicycle frames. 2,078,213; Apr. 20.

Maschmeyer, August H., Astoria, assignor to Remington Rand Inc., Buffalo, N. Y. Pattern sorting device. 2,078,090; Apr. 20.

Masip, Joseph, A. Gandon, and J. Soler, New York, N. Y. Safety razor. 2,078,150; Apr. 20.

Massa, Joseph. (See Rossi, G., and Massa.)

Master Electric Company, The. (See Larsh, Everett P., assignor.)

Mathieson Alkali Works, Inc., The. (See MacMullin, R. B., and Cunningham, assignors.)

Mathieson Alkali Works, Inc., The. (See Vincent, George P., assignor.)

Matthews, Floyd, Fair Lawn, N. J. Comber guard for looms. 2,078,091; Apr. 20.

Mauser, Alfons, Cologne-Marienburg, assignor to Mauser Maschinenbau G. m. b. H., Cologne-Ehrenfeld, Germany. Tension ring closure for packing containers. 2,078,009; Apr. 20.

Mauser Maschinenbau G. m. b. H. (See Mauser, Alfons, assignor.)

Mazer, Jacob, Elkins Park, Pa. Acoustical construction. 2,077,889; Apr. 20.

Mazzola, Antonino, Beaumont, Tex. Hair curling roller. 2,077,765; Apr. 20.

McBride, John J., Bayonne, and V. Willoughby, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y. Lubricated valve. 2,077,948; Apr. 20.

McCann, Ronald A. (See Young, H. S., and McCann.)

McCune, Fred L. (See Borgerd, W. F., McCune, and Uherek.)

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,077,949; Apr. 20.

McGee, James D. (See Tedham, W. F., and McGee.)

McGraw Electric Company. (See Ireland, Murray, assignor.)

McIlvana, Ralph M., Brookline, Mass. Milk cooler. 2,077,846; Apr. 20.

McKelvey, John H., Kirkwood, and J. W. Rogers, University City, Mo., assignors to Laclede-Christy Clay Products Company. Wall of glass tanks. 2,077,705; Apr. 20.

McMahon, George F., assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Circuit interrupter and arc extinguishing liquid therefor. 2,077,429; Apr. 20.

McMaster, Archie J., assignor to G-M Laboratories, Inc., Chicago, Ill. Photoelectric tube. 2,077,634; Apr. 20.

McMaster, Archie J., and C. E. Parson, assignors to G-M Laboratories, Inc., Chicago, Ill. Photoelectric tube. 2,077,633; Apr. 20.

McNeff, Cecil A., Portland, Oreg. Milking stool. 2,077,076; Apr. 20.

Mead, Henry L., Erie, Pa. Valve seating washer. 2,077,766; Apr. 20.

Meboe Limited. (See Cossey, John C. G., assignor.)

Meepos, Max, Los Angeles, Calif. Detachable flush swivel for gun slings. 2,078,010; Apr. 20.

Melingriffith Company, Limited, The. (See Thomas, H. S., and Davies, assignors.)

Melton, Benjamin S., Houston, Tex. Electromagnetic prospecting method. 2,077,707; Apr. 20.

Menasha Wooden Ware Corporation. (See Hinton, George W., assignor.)

Mendoza, Mordecai, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Azo dyes and their production. 2,077,575; Apr. 20.

Mennesson, Marcel L., Neuilly-sur-Seine, assignor to Société Anonyme Solex, Neuilly-sur-Seine, France. Pneumatic safety device for thread working machines. 2,077,525; Apr. 20.

Merco & Nordstrom Valve Company. (See Hedene, Edwin E., assignor.)

Messier, George L. R. J., by Y. L. Messier, born Bonnamy, administratrix, Paris, France. System for resiliently connecting floats to seaplane bays. 2,077,526; Apr. 20.

Messier, Yvonne L., born Bonnamy, administratrix. (See Messier, George L. R. J.)

Methudy, Carl E., St. Louis, Mo., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Gas range. 2,077,890; Apr. 20.

Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,077,576; Apr. 20.

Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,077,577; Apr. 20.

Meusner, Erik J., West Orange, N. J. Beverage indicator. 2,077,847; Apr. 20.

Meyer, Gustav A. J. (See Priesmeyer, Charles, assignor.)

Meyer, John H. (See Bixby, R. F., and Meyer.)

Midland Steel Products Company, The. (See Almdale, Einar, assignor.)

Midland Steel Products Company, The. (See Begg, Russell S., assignor.)

Mid-States Gummed Paper Co. (See Humphner, Ferdinand W., assignor.)

Mikulka, František, Louka, A. Stecker, Olomouc, and F. Seckar, Louka, Czechosiovakia. Automatic brake-operating device for railroad vehicles. 2,077,848; Apr. 20.

Miles, Lawrence D., Schenectady, N. Y., assignor to General Electric Company. High frequency power supply circuit. 2,078,151; Apr. 20.

Miller, Ellis, Philadelphia, and W. H. Hartung, Lansdowne, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Alkyl catechol ketones. 2,078,205; Apr. 20.

Miller, Gideon D., Springs, Pa. Coal mining apparatus. 2,077,527; Apr. 20.

Miller, John M., and A. R. Davis, Hudson, Mass., assignors, by mesne assignments, to United States Rubber Products, Inc., New York, N. Y. Apparatus for making footwear. 2,078,093; Apr. 20.

Milligan, Trevor R. (See Campbell, Neal J., assignor.)

Milnes, Tom, assignor of one-half to Ayers Limited, Lachute Mills, Quebec, Canada. Joining the ends of drier felts and the like. 2,077,891; Apr. 20.

Minich, Verne E., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Abrasive throwing wheel. 2,077,635; Apr. 20.

Minich, Verne E., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Abrasive throwing machine. 2,077,636; Apr. 20.

Minich, Verne E., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Abrasive throwing machine. 2,077,637; Apr. 20.

Minich, Verne E., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Abrasive machine. 2,077,638; Apr. 20.

Minich, Verne E., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Hardening metallic surfaces. 2,077,639; Apr. 20.

Modersohn, August, Cologne-Mulheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Sulphone compounds. 2,077,529; Apr. 20.

Modersohn, August, Cologne-Mulheim, and E. Fischer, Bad Soden in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 2,077,528; Apr. 20.

Möller, Waldemar, and G. Z. von Manteuffel, Berlin-Zehlendorf Germany. Compass follow-up. 2,077,849; Apr. 20.

Monsanto Chemical Company. (See Sibley, Robert L., assignor.)

Monzani, John T., administrator. (See Bennett, Morris H.)

Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Sign board thermometer. 2,077,803; Apr. 20.

Mopin, Eugène G. P., Paris, France. Building construction. 2,077,950; Apr. 20.

Morin, Louis H., New York, N. Y., assignor to The Coca-Cola Company, Wilmington, Del. Vending machine. 2,077,430; Apr. 20.

Morris Paper Mills. (See Powell, Henry K., assignor.)

Morrison, Gordon M., San Mateo, Calif. Device for treating fractures of the neck of the femur. 2,077,804; Apr. 20.

Morse, Matthew H., Jr., New Orleans, La. Automatic checking or counting device. 2,077,767; Apr. 20.

Morse, Robert V., New York, N. Y. Airplane. 2,077,708; Apr. 20.

Moseley, Alvis. (See Baird, R. L., and Moseley.)

Mosey, Clarence K., and G. W. Mosey, Seattle, Wash. Testing instrument. 2,078,206; Apr. 20.

Mosey, George W. (See Mosey, Clarence K., and G. W.)

Motor Wheel Corporation. (See Horn, Harry J., assignor.)

Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Phase shifting circuit. 2,078,152; Apr. 20.

Mulet, Marcel, assignor to N. B. Salterini, New York, N. Y. Window shelf. 2,077,892; Apr. 20.

Munson, Luther S., West Riverdale, Md. Building wall. 2,078,153; Apr. 20.

Murdock, Frederick M., Chicopee Falls, and C. S. Webber, Springfield, Mass., assignors to The Fiberloid Corporation, Indian Orchard, Mass. Phenolic resins and making the same. 2,077,640; Apr. 20.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,077,805; Apr. 20.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,077,806; Apr. 20.

Murphy, Arthur R., Penns Grove, N. J., and C. K. Black, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo pigment dyes and their production. 2,077,488; Apr. 20.

Murray, John S. (See Cross, Wallace E., assignor.)

Murray Ohio Manufacturing Company, The. (See Kraeft, Herman L., assignor.)

Myers, Frank L., Newark, Ohio, assignor to Owens-Illinois Glass Company. Air filter. 2,077,951; Apr. 20.

Myers Regulator Co., The. (See Kestel, Henry C., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See van Gogh, Willem D., assignor.)

National Bearing Metals Corporation. (See Vigne, Albert, assignor.)

National Equipment Company, The. (See Green, A. J., and Harding, assignors.)

National Exhaust Purifier Co. Inc. (See Henry, Thomas J., assignor.)

National Foam System, Inc. (See Boyd, Fisher L., assignor.)

National Machine Works. (See Levey, C. J., and Haedike, assignors.)

National Malleable and Steel Castings Company. (See Spence, H. L., and Eler, assignors.)

National Television Corporation. (See Zilliger, Arno, assignor.)

Naucler, Johan O. (See Wessblad, K. A., Göth, and Naucler.)

Neal, Arthur M. (See Williams, I., Douglass, and Neal.)

Neaman, Harry I., et al. (See Carney, Daniel E., assignor.)

Neeley, Robert S. (See Willis, A. I., and Neeley.)

Neher, Carl A., Aschaffenburg-on-the-Main, Germany. Shed. 2,078,011; Apr. 20.

Nenning, George H. (See Johnson, J. C., and Nenning.)

Neracher, Carl A., assignor to Chrysler Corporation, Detroit, Mich. Transmission mechanism. 2,077,578; Apr. 20.

Neresheimer, Heinrich, A. Vilsmeier, and R. Held, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the dibenzanthrone series. 2,077,893; Apr. 20.

Neumair, Joseph A., Hollis, N. Y., assignor to International Cigar Machinery Company. Wrapping and banding machine. 2,077,431; Apr. 20.

Newell, Felix R., Highland Park, Mich. Nailing machine. 2,078,012; Apr. 20.

New Products Corporation. (See Banker, Oscar H., assignor.)

New York Air Brake Company, The. (See Campbell, Charles A., assignor.)

Niederstrasser, Richard, Mulheim-Ruhr, assignor to Schmidt'sche Heissdampf-Gesellschaft, m. b. H., Wilhelmshohe, Germany. Connecting pipes. 2,077,641; Apr. 20.

Noo Tooth Brush, Inc. (See Boyd, Chester V., assignor.)

Norton Company. (See Beth, Hugo W. H., assignor.)

Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope making machine. 2,077,952; Apr. 20.

Nutry, John, Brooklyn, N. Y. Beverage forming means. 2,078,013; Apr. 20.

Oakes Products Corporation. (See Gottlieb, Oscar F., assignor.)

Oelbaum, Henry, Cranston, R. I., assignor to Hassenfeld Bros. Inc. Stamping machine. 2,078,094; Apr. 20.

Officer, Charles B., Chicago, Ill., assignor to Sullivan Machinery Company. Apparatus for mining coal. 2,077,432; Apr. 20.

Ohio Brass Company, The. (See Brandt, Thomas F., assignor.)

Ohio Brass Company, The. (See Rorden, H. L., and Ross, assignors.)

Ohio Brass Company, The. (See Taylor, John J., assignor.)

Oil Devices Corporation. (See Breese, James L., assignor.)

Okino, Shigeo, Honolulu, Hawaii. Plug and cap connecter. 2,078,154; Apr. 20.

Oplinger, Floyd F., and C. J. Wernlund, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Screen manufacture. 2,078,014; Apr. 20.

Orr, Francis L., Denver, and R. R. Wattelet, Superior, assignors of one-third to A. E. Heichemer, Denver, Colo. Demountable wheel. 2,077,567; Apr. 20.

Orr, Palmer. (See Fishburn, O. E., and Orr.)

Osborn, Henry C., assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Selective bed printing machine. 2,077,433; Apr. 20.

Östlund, Artur E. P., Stockholm, and S. Gunnfors, Angby, Sweden. Piano string system. 2,077,489; Apr. 20.

Owens-Illinois Glass Company. (See Myers, Frank L., assignor.)

Owens-Illinois Glass Company. (See Schmid, Anton, assignor.)

Oxford Varnish Corporation. (See von Webern, Guido, assignor.)

Packard Motor Car Company. (See Tibbetts, Milton, assignor.)

Page, John, Evanston, and G. W. Baker, Chicago Heights, assignors to United States Gypsum Company, Chicago, Ill. Sound insulating construction. 2,078,207; Apr. 20.

Painter, Harry K., Cincinnati, Ohio. Carbonating apparatus. 2,077,850; Apr. 20.

Paper Service Company, The. (See Rowe, William W., assignor.)

Parcell, John, New York, N. Y. Popcorn machine. 2,078,095; Apr. 20.
Paris, Robert E., New York, N. Y. Line justification. 2,077,490; Apr. 20.
Parker, George W., St. Louis, Mo. Water gas set. 2,077,579; Apr. 20.
Parkin, Winfred T., assignor to Theodore W. Foster & Bro. Company, Providence, R. I. Vanity case. 2,078,096; Apr. 20.
Parson, Charles E. (See McMaster, A. J., and Parson.)
Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 2,077,434; Apr. 20.
Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control. 2,077,435; Apr. 20.
Patrick, Isaac, Salem, assignor to E. W. Bliss Company, Toledo, Ohio. Surge control valve for hydraulic presses. 2,077,894; Apr. 20.
Patterson, Herbert F., assignor to Chrysler Corporation, Detroit, Mich. Power transmitting device. 2,077,580; Apr. 20.
Patterson, Herbert F., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,077,581; Apr. 20.
Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 2,077,709; Apr. 20.
Pelo, Carl, Helsingfors, Finland. Automatic rifle. 2,078,155; Apr. 20.
Pen-Chlor, Inc. (See Buchloh, Hans, assignor.)
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Bearing sleeve and joint assembly. 2,077,582; Apr. 20.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Deflector for automotive vehicles. 2,077,583; Apr. 20.
Perazzoli, Henry J., Philadelphia, Pa. Track grinder. 2,077,895; Apr. 20.
Peremi, Edmund, and L. Toth, Manhasset, N. Y. Window construction. 2,077,807; Apr. 20.
Peremi, Edmund, and L. Toth, Manhasset, N. Y. Window. 2,077,808; Apr. 20.
Perkins, Arthur E., Fairfield, Idaho. Pneumatic tire. 2,078,015; Apr. 20.
Perrelet, Armand, Paris, France, assignor to Signode Steel Strapping Company, Chicago, Ill. Package binding tool. 2,077,491; Apr. 20.
Perry, Gentz, Evanston, Ill. Radiologist's scale ruler. 2,078,156; Apr. 20.
Perry, William R., assignor to Reeves Pulley Company, Columbus, Ind. Synchronous drive. 2,077,768; Apr. 20.
Pescara, Raul P., Paris, France. Motor compressor with free pistons. 2,078,157; Apr. 20.
Pesce, William N., Waterbury, Conn. Nut lock. 2,077,953; Apr. 20.
Petroleum Rectifying Company of California. (See Woelflin, William, assignor.)
Pezzella, Rocco, Washington, D. C. Hair curling mandrel. 2,077,530; Apr. 20.
Pierce, Charles M., deceased, Detroit, Mich., by L. Pierce, executrix. Sorting apparatus. 2,077,851; Apr. 20.
Pierce, Loduskia, executrix. (See Pierce, Charles M.)
Piper, George S., London, England. Combination of window shade and operating means. 2,077,852; Apr. 20.
Postlewaite, William R., assignor to Standard Oil Company of California, San Francisco, Calif. Pipe coupling apparatus. 2,077,769; Apr. 20.
Poux, Noel J., assignor to Hookless Fastener Company, Meadville, Pa. Forming interlocking members for separable fasteners. 2,078,016; Apr. 20.
Poux, Noel J., assignor, by mesne assignments, to Hookless Fastener Company, Meadville, Pa. Making separable fasteners. 2,078,017; Apr. 20.
Powell, Edward R., Alexandria, Ind., assignor to Johns-Manville Corporation, New York, N. Y. Utilizing slag. 2,078,158; Apr. 20.
Powell, Gomert, Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Axle drive. 2,077,642; Apr. 20.
Powell, Henry K., assignor to Morris Paper Mills, Chicago, Ill. Container. 2,078,018; Apr. 20.
Pribil, Alexis R., Saginaw, Mich. Independent controlled cushion wheel unit. 2,077,710; Apr. 20.
Priesmeyer, Charles, Park Ridge, assignor to G. A. J. Meyer, Chicago, Ill. Pocket seal press. 2,077,853; Apr. 20.
Probst, Eduard. (See Ruppe, H., and Probst.)
Proctor & Schwartz, Incorporated. (See Schwartz, Walter M., assignor.)
Provisor, Abraham, Winnipeg, Manitoba, Canada. Chair. 2,077,770; Apr. 20.
Pudelko, Hermann, assignor to Dürkoppwerke Aktiengesellschaft, Bielefeld, Germany. Thread cutting device for buttonhole and similar sewing machines. 2,077,531; Apr. 20.
Pullman-Standard Car Manufacturing Company. (See Hartwig, Arthur H., assignor.)
Pullman-Standard Car Manufacturing Company. (See Powell, Gomert, assignor.)
Pure Oil Company, The. (See Smith, C. L., and Rollin, assignors.)
Quick, Claude E., Glendale, assignor to Western Bakeries Corporation, Ltd., Los Angeles, Calif. Dough feeding means. 2,077,896; Apr. 20.
Quick, Claude E., Glendale, assignor to Western Bakeries Corporation, Ltd., Los Angeles, Calif. Molder knife device. 2,077,897; Apr. 20.
Rabatel, Henri A., Paris, France. Aircraft. 2,078,019; Apr. 20.
Radio Corporation of America. (See Carlson, W. L., and Kirkwood, assignors.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Dalpayrat, Henri F., assignor.)
Radio Corporation of America. (See Dreyer, John F., Jr., assignor.)
Radio Corporation of America. (See Franks, Christopher J., assignor.)
Radio Corporation of America. (See Hollands, Louis C., assignor.)
Radio Corporation of America. (See Holst, Poul F. G., assignor.)
Radio Corporation of America. (See Kroger, Fred H., assignor.)
Radio Corporation of America. (See Loughlin, William D., assignor.)
Radio Corporation of America. (See Maloff, Ioury G., assignor.)
Radio Corporation of America. (See Salzberg, Bernard, assignor.)
Radio Corporation of America. (See Shepard, Francis H., Jr., assignor.)
Radio Corporation of America. (See Stokes, Victor O., assignor.)
Radio Corporation of America. (See Taylor, Charles W., assignor.)
Radio Patents Corporation. (See Dalpayrat, Henri F., assignor.)
Radzinsky, Harry, New York, N. Y. Water cooling means for refrigerators. 2,078,097; Apr. 20.
Rae, Walter S., Pittsburgh, Pa. Apparatus for producing grinding wheels. 2,077,771; Apr. 20.
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Paper manufacture. 2,077,436; Apr. 20.
Raffold Process Corporation. (See Brooks, Arthur M., assignor.)
Raffold Process Corporation. (See Rafton, Harold R., assignor.)
Railroad Accessories Corporation. (See Hull, Samuel P., assignor.)
Ramclow, Axel E., Chicago, Ill., assignor to International Harvester Company. Sealing unit for rotary shafts. 2,077,954; Apr. 20.
Ray, Joseph L., New York, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sign. 2,078,183; Apr. 20.
Raytheon Manufacturing Company. (See Smith, Charles G., assignor.)
Redding, Daniel P., Kansas City, Mo. Vertebral adjuster. 2,078,159; Apr. 20.
Redding, G. Barnum, et al., administrators. (See Ferguson, George.)
Redinger, Philip, Jr., Newark, N. J. Spark plug. 2,077,711; Apr. 20.
Redmond, Arthur. (See Engs, W., and Redmond.)
Reed, Roy W., Mission, Tex. Rural mail box signal. 2,078,160; Apr. 20.
Reeves Pulley Company. (See Perry, William R., assignor.)
Regar, Edward B. (See Waldman, Max M., assignor.)
Remington Rand Inc. (See Lasker, William W., assignor.)
Remington Rand Inc. (See Maschmeyer, August H., assignor.)
Remington Typewriter Company. (See Hart, Frederick A., assignor.)
Reynolds Metals Company. (See Hunt, Walter Y. C., assignor.)
Rice, Frank E., assignor, by mesne assignments, to American Tap Bush Company, Detroit, Mich. Composite bushing. 2,077,584; Apr. 20.
Richard, Bernhard, assignor to firm J. R. Geigy A. G., Basel, Switzerland. Chromatable monoazo-dyestuffs and their manufacture. 2,077,854; Apr. 20.
Richmond Fireproof Door Company, The. (See Bancroft, James E., assignor.)
Ridgeway, Bruce, Mexico, Mo. Clutch mechanism. 2,078,020; Apr. 20.
Riepert, Herman, Wetzlar, assignor to Ernst Leitz, Optische Werke, G. m. b. H., Wetzlar, Province of Hesse-Nassau, Germany. Microphotographic apparatus with mirrorscope camera. 2,077,809; Apr. 20.
Riess, Elizabeth, Los Angeles, Calif. Combination chair and table set. 2,077,855; Apr. 20.
Rietsch, Eberhard, Hennigsdorf, near Berlin, Germany, assignor to General Electric Company. Gearing. 2,078,161; Apr. 20.
Ring, Ella E., New York, N. Y. Pattern. 2,077,772; Apr. 20.
Ritzert, Norman J., assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio. Apparatus for latexing cords. 2,077,492; Apr. 20.

Rivers, Joseph C., New York, N. Y. Transit advertising device. 2,077,585; Apr. 20.
Roberts, Glyn P., Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,077,955; Apr. 20.
Roberts, Horace L., Mount Vernon, N. Y. Dispenser for ground coffee, etc. 2,078,098; Apr. 20.
Roberts, Joseph K., and M. T. Carpenter, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Dewaxing of motor fuels. 2,077,712; Apr. 20.
Robins, Walter C., Carmel, Calif. Fishhook. 2,078,162; Apr. 20.
Robinson, Joseph, New York, N. Y. Vaporizer. 2,077,437; Apr. 20.
Roche, Clifton R., Los Angeles, Calif., assignor to Bendix Products Corporation, South Bend, Ind. Automatic clutch. 2,077,956; Apr. 20.
Rodier, Hilmer F., Woodcliff, N. J. Oil burning apparatus. 2,078,021; Apr. 20.
Roemer, Frank T. J., Fort Wayne, Ind. Infant's play pad. 2,078,022; Apr. 20.
Rogers, John W. (See McKelvey, J. H., and Rogers.)
Röhm & Haas Company. (See Hollander, C. S., and Hester, assignors.)
Röhm & Haas Company. (See Hollander, C. S., and Williams, assignors.)
Röhm, Otto, Darmstadt, Germany. Producing stable alkali polysulphides. 2,077,856; Apr. 20.
Roider, Ralph F., Schenectady, N. Y., assignor to General Electric Company. Evaporator for refrigerating machines. 2,078,163; Apr. 20.
Rolff, Friedrich, Berlin, Germany. Container for granular and like materials. 2,077,898; Apr. 20.
Rollin, George W. (See Smith, C. L., and Rollin.)
Roosa, George W., Kenmore, N. Y. Vehicle headlight. 2,078,023; Apr. 20.
Roossien, Elmer J. (See Geske, C. W., and Roossien.)
Rorden, Harold L., and P. M. Ross, Barberton, assignors to The Ohio Brass Company, Mansfield, Ohio. Impulse generator. 2,077,773; Apr. 20.
Roseby, Philip N., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Electrical signaling system. 2,077,899; Apr. 20.
Rosenberry, Homer R., and R. P. Rosenberry, assignors to C. W. Brand, Cleveland, Ohio. Hydraulic jack. 2,078,208; Apr. 20.
Rosenberry, Ray P. (See Rosenberry, Homer R., and R. P.)
Rosinsky, Walter, Oppau, and P. Baumann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acetaldehyde from acetylene. 2,077,586; Apr. 20.
Ross, Donald F., and W. A. Elliott, Minneapolis, Minn. Acoustical material. 2,077,713; Apr. 20.
Ross, Nathan, Los Angeles, Calif. Cloth cutting machine. 2,077,900; Apr. 20.
Ross, Paul M. (See Rorden, H. L., and Ross.)
Rossi, Giacinto, and J. Massa, Philadelphia, Pa. Gas mixer. 2,077,493; Apr. 20.
Rossiter, Wayne F., assignor to Independent Press Room Inc., San Francisco, Calif. Loom. 2,077,532; Apr. 20.
Rotelli, Delma, and H. B. Saxe, Brooklyn, N. Y. Brassière. 2,078,099; Apr. 20.
Roth, Clement E., Towson, Md., assignor to The Black & Decker Manufacturing Company. Armature lead connection. 2,078,024; Apr. 20.
Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 2,077,587; Apr. 20.
Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Coated creped fabric and article and making it. 2,077,438; Apr. 20.
Rowley, Harry J. (See Campbell, William B., assignor.)
Royle, Vernon E., Paterson, N. J. Extruding machine. 2,078,100; Apr. 20.
Rozema, Charles E., Grand Rapids, Mich., assignor, by mesne assignments, to Haskelite Manufacturing Corporation. Lumber and making the same. 2,077,714; Apr. 20.
Rubens, Harry E., New York, N. Y. Key winder. 2,077,715; Apr. 20.
Rudder, Fred F., Jacksonville, Fla. Transfusion apparatus. 2,077,774; Apr. 20.
Rumford Chemical Works. (See Fiske, Augustus H., assignor.)
Ruppe, Hugo, and E. Probst, assignors to E. Gross, Berlin, Germany. Electric pocket fan. 2,077,643; Apr. 20.
Russell, John, assignor to United Elastic Corporation, Easthampton, Mass. Bathing trunks. 2,078,184; Apr. 20.
Russon, Harry R., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Articulated floor mat. 2,077,901; Apr. 20.
Safety Car Heating & Lighting Company. (See Bronander, Wilhelm B., assignor.)
St. Joseph Lead Company. (See Weaton, George F., assignor.)
Salterini, Nan B. (See Mulet, Marcel, assignor.)
Salzberg, Bernard, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Phototube. 2,077,810; Apr. 20.
Samson-United Corporation. (See Samuels, Abe O., assignor.)
Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Electric vibrator. 2,078,025; Apr. 20.
Sandborn, Lloyd T. (See Howard, G. C., and Sandborn.)
Sandell, Harry J., Ashby, Minn. Conducting and dispensing system for beer. 2,078,026; Apr. 20.
Sandlin, James W., Humble, Tex. Pump valve. 2,077,716; Apr. 20.
Sanford, Roy S., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake torque reaction device. 2,078,210; Apr. 20.
Sanford, Roy S., and E. G. Carroll, assignors to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,078,209; Apr. 20.
Savage, Marion A., Scotia, N. Y., assignor to General Electric Company. Totally enclosed dynamo-electric machine. 2,078,164; Apr. 20.
Saxby, Robert N., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Electric totalizator. 2,077,902; Apr. 20.
Saxe, Herman B. (See Rotelli, D., and Saxe.)
Schaefer, Norbert F., assignor to Anderson Box Company, Indianapolis, Ind. Shipping box for chicks. 2,077,588; Apr. 20.
Schaub, Jacob, Westfield, N. J., assignor to The Best Foods, Inc., New York, N. Y. Working and compressing apparatus. 2,077,644; Apr. 20.
Schimanek, Emil, Budapest, Hungary, assignor to the firm Societe du Carburateur Stratos, Paris, France. Automatic control of the power output of aircraft engines. 2,077,775; Apr. 20.
Schlichenmaier, Hans, Kelkheim in Taunus, and L. Schörnig, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing 3-amino-quinolines. 2,077,903; Apr. 20.
Schmalfuss, Hans, and H. Werner, Hamburg, Germany. Treatment of the flesh of marine mammals. 2,077,533; Apr. 20.
Schmermund, Lydia M., St. Louis, Mo. Vacuum floor cleaner. 2,078,101; Apr. 20.
Schmid, Anton, Huntington, W. Va., assignor to Owens-Illinois Glass Company. Measuring apparatus. 2,078,027; Apr. 20.
Schmidt'sche Heissdampf-Gesellschaft, m. b. H. (See Niederstrasser, Richard, assignor.)
Schmitt, Edmund, Stratford, Conn. Insert for boiler and heater flues. 2,077,776; Apr. 20.
Schmitt, Frank R., Queens Village, N. Y., assignor to American Machine & Foundry Company. Registering sheet feed. 2,077,439; Apr. 20.
Schneider, Paul, Berlin-Friedenau, Germany, assignor to Batterien-u. Elemente-Fabrik System Zeiler A.-G., Berlin, Germany. Flashlight. 2,078,028; Apr. 20.
Schnell, Philip, Hillside, N. J. Gate operating means. 2,077,957; Apr. 20.
Schoorel, Adam. (See Keil, H. F., and Schoorel.)
Schörnig, Ludwig. (See Schlichenmaier, H., and Schörnig.)
Schorsch, Ignaz, Prague, Czechoslovakia. Carburetor for internal combustion engines. 2,078,029; Apr. 20.
Schramm, Roy A., Bay City, Mich. Garment hanger clip. 2,077,717; Apr. 20.
Schreier, Jacob, Detroit, Mich. Beverage faucet. 2,077,718; Apr. 20.
Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Heinitz, Woldemar, assignor.)
Schumacher, Erwin A. (See Heise, G. W., and Schumacher.)
Schwartz, Walter M., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Cooking apparatus. 2,078,165; Apr. 20.
Schweitzer & Conrad, Inc. (See McMahon, George F., assignor.)
Schwerin, Frank H., Bellevue, assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Throwing machine. 2,078,166; Apr. 20.
Scott, Ray P. (See Bergen, Cecil C., assignor.)
Scovill Manufacturing Company. (See Bennett, Morris H., assignor.)
Scovill Manufacturing Company. (See Tompkins, Emerson H., assignor.)
Seaton, Max Y., Greenwich, Conn., assignor, by mesne assignments, to Westvaco Chlorine Products Corporation, New York, N. Y. Dry cleaning. 2,077,857; Apr. 20.
Seaver, Jay J., and S. P. Kinney, Chicago, W. M. Kirk, Wheaton, and C. W. Andrews, Chicago, assignors to H. A. Brassert & Company Chicago, Ill. Filtering apparatus. 2,077,589; Apr. 20.
Seckar, Frank. (See Mikulka, F., Stecker, and Seckar.)
Seghers, Emiel P., Chicago, Ill. Percolator top. 2,077,590; Apr. 20.
Seigle, William R., Orienta Point, Mamaroneck, N. Y., and G. B. Brown, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Felted product and making the same. 2,077,720; Apr. 20.
Sell, Emil A., Omaha, Nebr. Suction operated dump door for vehicles. 2,077,534; Apr. 20.
Septa, S. A. (See Cramer, Pieter J. S., assignor.)
Sharp & Dohme, Incorporated. (See Miller, E., and Hartung, assignors.)
Sharp, Frederick L., and M. Barrowcliff, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Mercurated salicyl aryl amides. 2,077,591; Apr. 20.
Sharp, Lewis. (See Whitlock, R. G., and Sharp.)

Shealhin, John. (See Hesper, José, assignor.)
Sheet Polarizer Company. (See Land, Edwin H., assignor.)
Shell Development Company. (See Engs, W., and Redmond, assignors.)
Shell Development Company. (See Evans, T., and Edlund, assignors.)
Shepard, Francis H., Jr., Rutherford, N. J., assignor to Radio Corporation of America. Capacity balance circuit. 2,077,592; Apr. 20.
Shepard, James A., assignor to Shepard Niles Crane & Hoist Corporation, Montour Falls, N. Y. Motor control. 2,077,904; Apr. 20.
Shepard Niles Crane & Hoist Corporation. (See Shepard, James A., assignor.)
Sherwood, Walter N., North Hoosick, N. Y. Method and apparatus for beating paper pulp. 2,078,030; Apr. 20.
Shields, Jesse W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Link belt. 2,078,167; Apr. 20.
Sibbert, Edward F., Brooklyn, assignor to S. H. Kress and Company, New York, N. Y. Lighting fixture. 2,078,032; Apr. 20.
Sibley, Robert L., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Nicotine derivatives. 2,077,960; Apr. 20.
Sidur, Robert A. (See Boehler, J. D., and Sidur.)
Siela, Leo F., Bluffton, Ind. Roll or bun baking pan. 2,078,102; Apr. 20.
Siemens & Halske Aktiengesellschaft. (See Lubberger, Fritz, assignor.)
Signode Steel Strapping Company. (See Perrelet, Armand, assignor.)
Simmons, Dorothy L., Silver City, N. Mex. Reflecting signal device. 2,078,103; Apr. 20.
Singer Manufacturing Company, The. (See Ray, Joseph L., assignor.)
Sinko, John, Chicago, Ill. Cap for filling nozzles. 2,077,721; Apr. 20.
Sirian Wire and Contact Company. (See Braselton, Chester H., assignor.)
Sirian Wire and Contact Company. (See MacFarland, Albert E., assignor.)
Six, Walter J., Indianapolis, Ind. Piston expander. 2,078,033; Apr. 20.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Drive mechanism for shaker conveyers. 2,077,593; Apr. 20.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Drive mechanism for shaker conveyers. 2,077,811; Apr. 20.
Sloss, William A. (See Curran, M. D., and Sloss.)
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,077,958; Apr. 20.
Smit, J. K., & Sons, Inc. (See Koebel, Frank E., assignor.)
Smith, Charles G., Medford, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Gaseous conduction device. 2,077,961; Apr. 20.
Smith, Clyde, Hopkinsville, Ky., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,077,962; Apr. 20.
Smith, Clyde, Hopkinsville, Ky., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Addressing and printing machine. 2,077,963; Apr. 20.
Smith, Clyde, Hopkinsville, Ky., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Addressing and printing machine. 2,077,964; Apr. 20.
Smith, Clyde, Hopkinsville, Ky., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Addressing and printing machine. 2,077,965; Apr. 20.
Smith, Clyde L., and G. W. Rollin, assignors to The Pure Oil Company, Chicago, Ill. Tray structure for bubble towers. 2,077,645; Apr. 20.
Smith, Gabriel, Leyton, England. Applying adhesive to materials for coating surfaces or in the manufacture of coated or compound materials. 2,077,535; Apr. 20.
Smith, Marshall A., Jr., assignor to Bendix Products Corporation, South Bend, Ind. Fan blade. 2,077,959; Apr. 20.
Smith, Preston R., Rahway, N. J., assignor, by mesne assignments, to The Barber Company, Inc., Philadelphia, Pa. Emulsions. 2,077,905; Apr. 20.
Smith, S. Morgan, Company. (See Hand, Norman C., assignor.)
Smith, Sydney, Chobham, England. Vehicle. 2,078,034; Apr. 20.
Smith, William A., Greenville, S. C. Automatic battery for looms. 2,077,858; Apr. 20.
Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)
Smoley, Eugene R., Fort Wayne, Ind., assignor to Standard Oil Development Company. Clay treating petroleum distillates. 2,077,494; Apr. 20.
Snyder, Allen G. (See Snyder, George H. and A. G.)
Snyder, George H., Glenside, and A. G. Snyder, Chestnut Hill, Pa. Box making. 2,078,035; Apr. 20.
Snyder, George H., Glenside, and A. G. Snyder, Chestnut Hill, Pa. Box making. 2,078,036; Apr. 20.
Snyder, George H., Glenside, and A. G. Snyder, Chestnut Hill, Pa. Box-lid machine. 2,078,037; Apr. 20.
Snyder, Sheridan E., Rochester, Pa. Fluid control for hydraulic brake systems. 2,077,646; Apr. 20.
Société Anonyme Solex. (See Mennesson, Marcel L., assignor.)
Societe du Carburateur Stratos. (See Schimanek, Emil, assignor.)
Society of Chemical Industry in Basle. (See Felix, Friedrich, assignor.)
Soler, Jesus. (See Masip, J., Gandon, and Soler.)
Solliday, Foster K., Grand Rapids, Mich. Hooked rug making device. 2,077,719; Apr. 20.
Solvay Process Company, The. (See Fazel, Charles S., assignor.)
Sonntag, Bernhard, Dallas, Tex. Kitchen ventilator. 2,077,496; Apr. 20.
Spaunburg, Harvey L., Bristol, Conn., assignor to Veeder-Root Incorporated. Odometer. 2,077,667; Apr. 20.
Spence, Hubert L., East Cleveland, and J. L. Eler, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Retaining means for shock absorbing mechanism. 2,077,966; Apr. 20.
Sperry, Edward G., Brooklyn, and H. C. Drake, Hempstead, assignors to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 2,077,812; Apr 20.
Sperry Products, Inc. (See Drake, Harcourt C., assignor.)
Sperry Products, Inc. (See Sperry, E. G., and Drake, assignors.)
Spina, Frank, and C. G. Green, said Green assignor of an undivided interest to Alfred Decker & Cohn, Inc., Chicago, Ill. Machinery for pressing clothing. 2,077,440; Apr. 20.
Spray Dryer Laboratory Corporation. (See Zizinia, Paul T., assignor.)
Spring, Fritz, Wettingen, Argau, Switzerland. Chimney. 2,077,722; Apr. 20.
Standard Air Conditioning, Inc. (See Manning, Fowler, assignor.)
Standard Mailing Machines Company. (See Storck, Frederick W., assignor.)
Standard Oil Company. (See Roberts, J. K., and Carpenter, assignors.)
Standard Oil Company. (See Wilson, Robert E., assignor.)
Standard Oil Company of California. (See Postlewaite, William R., assignor.)
Standard Oil Development Company. (See Blau, Ludwig W., assignor.)
Standard Oil Development Company. (See Smoley, Eugene R., assignor.)
Stanley, James N., Graham, N. C. Oil burner oven. 2,077,777; Apr. 20.
Stanley, Joseph, Jackson Heights, N. Y., assignor to W. A. Cleary Corporation. Manufacture of alcohols from their corresponding alkylenes. 2,077,967; Apr. 20.
Stanley, Otis O., Decatur, Ill. Cleaning and sterilizing device. 2,078,104; Apr. 20.
Stark, Floyd J., Duluth, Minn., assignor of twenty-five percent to J. A. Lundeen and twenty-five percent to J. W. Brown. Shoe soling device. 2,077,723; Apr. 20.
Start, Harry W., assignor to George Blackburn and Sons Limited, Nottingham, England. Straight-bar knitting machine. 2,077,778; Apr. 20.
Stearns & Foster Company, The. (See Hooker, F. J., and Carruthers, assignors.)
Stecker, Alois. (See Mikulka, F., Stecker, and Sekar.)
Stemman, Herman, Stevensville, Mont. Adjustable hitch. 2,078,105; Apr. 20.
Stephens, Walter J., Chicago, Ill. Display receptacle. 2,078,038; Apr. 20.
Stevens, Robert L., Detroit, Mich. Spring. 2,077,497; Apr. 20.
Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Cylinder packing ring. 2,077,906; Apr. 20.
Stewart, James G., Letchworth, England. Gas flow regulator. 2,077,968; Apr. 20.
Stokes, F. J., Machine Company. (See Stokes, F. J., and Westin, assignors.)
Stokes, F. J., Machine Company. (See Westin, Charles J., assignor.)
Stokes, Francis J., and C. J. Westin, assignors to F. J. Stokes Machine Company, Philadelphia, Pa. Filling and closing machine. 2,077,647; Apr. 20.
Stokes, Victor O., Walton-on-Naze, England, assignor to Radio Corporation of America. Push-pull audio amplifier circuit. 2,077,594; Apr. 20.
Stone, Elmer B., and L. M. Dyson, assignors to The American Hardware Corporation, New Britain, Conn. Permutation lock. 2,078,168; Apr. 20.
Stoner, Paul, Valparaiso, Ind. Self-sealing siding. 2,078,039; Apr. 20.
Storck, Frederick W., Arlington, assignor to Standard Mailing Machines Company, Everett, Mass. Reversible drive for duplicators. 2,077,779; Apr. 20.
Storck, Frederick W., Arlington, assignor to Standard Mailing Machines Company, Everett, Mass. Envelope flap moistening device. 2,077,780; Apr. 20.
Store Equipment Corporation. (See Burrows, Clinton A., assignor.)
Story, Le Roy G., Glenham, assignor to The Texas Company, New York, N. Y. Lubricating oil. 2,077,781; Apr. 20.

Streander, Philip B., Scarsdale, assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y. Disposal of sewage and the like. 2,077,498; Apr. 20.
Streander, Philip B., Scarsdale, assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y. Treating sewage, industrial wastes, and the like. 2,077,907; Apr. 20.
Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Collecting chamber for liquids discharged from centrifugal bowls. 2,077,813; Apr. 20.
Sturtevant, B. F., Company. (See Higgins, Darragh L., assignor.)
Su'a, Kipeni, Honolulu, Hawaii. Decorating fabric. 2,077,782; Apr. 20.
Sullivan Machinery Company. (See Joy, Joseph F., assignor.)
Sullivan Machinery Company. (See Officer, Charles B., assignor.)
Super Mold Corporation of California. (See Woock, Herbert J., assignor.)
Sutton, Donald L., Pittsburgh, Pa. Aeroplane wing construction. 2,077,859; Apr. 20.
Svenson, Sven, San Francisco, Calif. Stamping machine. 2,077,724; Apr. 20.
Sweeley, Edward A., Alexandria, Va., and N. T. Anderson, Washington, D. C., assignors to Fruit Growers Express Company. Stowing facility for commodities in railway and other vehicles, and in storage warehouses. 2,077,649; Apr. 20.
Sweeley, Edward A., Alexandria, Va., and N. T. Anderson, Washington, D. C., assignors to Fruit Growers Express Company. Stowing facility for commodities in railway and other vehicles, and in storage warehouses. 2,077,650; Apr. 20.
Swiss, Saul R., Ottawa Hills, Ohio. Edible product and package therefor. 2,077,595; Apr. 20.
Sykes, Cameron McG., Soho Foundry, Birmingham, assignor to W. & T. Avery Limited, Birmingham, England. Weighing apparatus. 2,077,495; Apr. 20.
Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)
Syracuse Chilled Plow Co. (See Cook, Curtiss L., assignor.)
Taggart, Gordon H., Minneapolis, Minn. Combination wallet and calendar bank. 2,077,536; Apr. 20.
Tatter, John W., Detroit, Mich, assignor, by mesne assignments, to Bendix Products Corporation, South Bend, Ind. Brake. 2,077,908; Apr. 20.
Taylor, Charles W., East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,077,814; Apr. 20.
Taylor, Eugene V., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,077,909; Apr. 20.
Taylor, Herbert C., assignor to U. D. Engineering Company Limited, London, England. Bottle capping apparatus. 2,078,040; Apr. 20.
Taylor, John J., Wadsworth, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio. Cable support. 2,077,783; Apr. 20.
Taylor, John W., Omaha, Nebr., assignor to American Telephone and Telegraph Company. System for tracing telephone calls. 2,077,537; Apr. 20.
Taylor, Matthew M., and S. M. Fulton, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile yarn. 2,077,441; Apr. 20.
Taylor, Reginald, Liverpool, England, and G. T. Baker, Glamorganshire, Wales, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 2,077,861; Apr. 20.
Taylor, William, assignor to Crane Limited, St. Johns, Quebec, Canada. Toilet seat structure. 2,077,815; Apr. 20.
Tedham, William F., and J. D. McGee, London, England, assignors to Electric & Musical Industries Limited. Cathode ray tube. 2,077,442; Apr. 20.
Teletypesetter Corporation. (See Eklund, Arthur G., assignor.)
Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Valve mechanism. 2,078,106; Apr. 20.
Ten Brink, Karl C., Wichita Falls, Tex. Paraffin remover for oil wells. 2,078,107; Apr. 20.
Terry, Andrew, Company, The. (See Bondeson, Carl G., assignor.)
Terry, Robert W., Columbus, Ohio. Poultry vaccine. 2,078,041; Apr. 20.
Texas Company, The. (See Lauer, Carl E., assignor.)
Texas Company, The. (See Story, Le Roy G., assignor.)
Textile Machine Works. (See Gastrich, Gustav, assignor.)
Thieme, Otto, Hartford, Conn., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,077,862; Apr. 20.
Thiess, Karl, Frankfort-on-the-Main-Sindlingen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the oxazine series and preparing them. 2,077,863; Apr. 20.
Thomas, Hubert S., Chiswich, London, England, and W. R. Davies, Whitchurch, Wales, assignors to The Melingriffith Company Limited, London, England. Passing plates, sheets, bars or other articles through acid treatment baths, furnaces, or the like. 2,077,499; Apr. 20.
Tompkins, Emerson H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Hose coupling. 2,077,864; Apr. 20.
Thompson, Thomas, Sydenham, London, England. Water turbine. 2,077,648; Apr. 20.
Thomson, Robert M., Indianapolis, Ind. Flying machine. 2,077,910; Apr. 20.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,077,969; Apr. 20.
Torrey, Lucien L., Los Angeles, Calif. Automatic control valve. 2,078,108; Apr. 20.
Toth, Louis. (See Pereml, E., and Toth.)
Townsend, De Wayne, Brooten, Minn., and G. W. Bradburn, Milwaukee, Wis. Apparatus for the identification of X-ray films. 2,077,500; Apr. 20.
Townsend, George R., Schenectady, N. Y., assignor to General Electric Company. Timing control for oil burners and the like. 2,078,109; Apr. 20.
Tracy, Harold F., et al., administrators. (See Ferguson, George.)
Traver, Alfred E., Brooklyn, N. Y. Fuel injection pump for internal combustion engines. 2,078,042; Apr. 20.
Tretolite Company. (See De Groote, Melvin, assignor.)
Tretolite Company. (See De Groote, M., and Wirtel, assignors.)
Tripp, Elbert D., assignor to A. J. Deniston, Jr., Chicago, Ill. Manufacturing nails. 2,077,784; Apr. 20.
Tröger, Richard, Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company. Igniting system. 2,078,110; Apr. 20.
Troy, Daniel, Montgomery, Ala. Apparatus for testing coins. 2,077,596; Apr. 20.
Trumbull Electric Manufacturing Company, The. (See Rowe, Raymond N., assignor.)
Trunk, John E., Newberg, Oreg. Nut marking device. 2,077,970; Apr. 20.
Trunk, John E., Newberg, Oreg. Nut marking device. 2,077,971; Apr. 20.
Turner, Charles A., Chicago, Ill., assignor, by mesne assignments, to Howe Manufacturing Company, Wilmington, Del. Flow indicating apparatus. 2,078,043; Apr. 20.
Twin Disc Clutch Company. (See Batten, Percy H., assignor.)
Twin Disc Clutch Company. (See Pearmain, William J., assignor.)
Tyler, Jerry, Niles, Mich. Adjustable spraying device. 2,077,725; Apr. 20.
Tyler, W. S., Company, The. (See Delamater, George R., assignor.)
U. D. Engineering Company, Limited. (See Taylor, Herbert C., assignor.)
Uherek, Charles A. (See Borgerd, W. F., McCune, and Uherek.)
Underpinning & Foundation Company. (See Streander, Philip B., assignor.)
Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
Underwood Elliott Fisher Company. (See Thieme, Otto, assignor.)
Unger, Paul O. (See Dawson, G. H., Unger, and Wedge.)
Union Carbide and Carbon Corporation. (See Heise, George W., assignor.)
Union Carbide and Carbon Corporation. (See Heise, G. W., and Schumacher, assignors.)
Union Carbide and Carbon Corporation. (See Kinzel, Augustus B., assignor.)
Union Metal Products Company. (See Gilpin, Garth G., assignor.)
Union Switch & Signal Company, The. (See Young, H. S., and McCann, assignors.)
United Acoustigraph Corporation. (See Bender, Max., assignor.)
United Elastic Corporation. (See Russell, John, assignor.)
United Shoe Machinery Corporation. (See Macdonald, David B., assignor.)
U. S. Cloth Cutting Machine Co. Inc. (See Komow, Albert, assignor.)
U. S. Electrical Motors, Inc. (See Heyer, Don, assignor.)
United States Gypsum Company. (See King, George D., assignor.)
United States Gypsum Company. (See Page, J., and Baker, assignors.)
United States Rubber Products, Inc. (See Lewis, Harry F., assignor.)
United States Rubber Products, Inc. (See Miller, J. M., and Davis, assignors.)
Unsworth, Robert J. (See Jones, J. E., and Unsworth.)
Uong, Diong D., assignor to Fitchburg Paper Company, Fitchburg, Mass. Apparatus for the manufacture of coated paper. 2,077,726; Apr. 20.
Van Gogh, Willem D., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Receiving circuits. 2,077,597; Apr. 20.
Van Voorhis, George E., Dilliner, Pa. Valved coupling for gas wells. 2,077,911; Apr. 20.

Van Voorhis, George E., Dilliner, Pa. Operation of gas wells. 2,077,912; Apr. 20.
Veeder-Root Incorporated. (See Bliss, Harvey N., assignor.)
Veeder-Root Incorporated. (See Spaunburg, Harvey L., assignor.)
Vibra-Lite Limited. (See Armstrong, Henry, assignor.)
Vibra-Lite Limited. (See Jones, Ralph S. S. assignor.)
Vickery, Frederick W., London, England. Doctor for paper making and like machines. 2,077,816; Apr. 20.
Vigne, Albert, Webster Groves, assignor to National Bearing Metals Corporation, St. Louis, Mo. Worm gear bearing. 2,078,044; Apr. 20.
Vilsmeier, Anton. (See Neresheimer, H., Vilsmeier, and Held.)
Vincent, George P., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of chlorine dioxide. 2,078,045; Apr. 20.
Von Heydekampf, Gerd S., Chester, Pa., assignor to Baldwin-Southwark Corporation, Chester, Pa. Extensometer. 2,077,598; Apr. 20.
Von Manteuffel, Gerhard Z. (See Möller, W., and von Manteuffel.)
Von Webern, Guido, Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich. Method and apparatus for decorating materials. 2,077,443; Apr. 20.
Voss, Walter K. (See Etten, Nicholas L., assignor.)
Wait, Louis S., assignor to Boeing Aircraft Company, Seattle, Wash. Exhaust gas analyzer for automotive vehicles. 2,077,538; Apr. 20.
Waldman, Max M., assignor of one-half to E. B. Regar, Reading, Pa. Lawn mower cutting blade. 2,078,046; Apr. 20.
Wales, Nathaniel B., New York, N. Y. Heating system. 2,077,599; Apr. 20.
Walger, Walter B., Corpus Christi, Tex. Throttle valve. 2,077,972; Apr. 20.
Walker, William C., York, Pa. Flow meter. 2,077,444; Apr. 20.
Wallace, Harry V., Kirkland Lake, Ontario, Canada, and L. H. Logue, assignors to Denver Equipment Company, Denver, Colo. Aerator or agitator. 2,077,445; Apr. 20.
Wallerstein, Leo, New York, N. Y. Maturing and ripening beers and ales. 2,077,446; Apr. 20.
Wallerstein, Leo, New York, N. Y. Chillproofing and stabilizing beers and ales. 2,077,447; Apr. 20.
Wallerstein, Leo, New York, N. Y. Chillproofing and stabilizing beers and ales. 2,077,448; Apr. 20.
Wallerstein, Leo, New York, N. Y. Chillproofing and stabilizing malt beverages. 2,077,449; Apr. 20.
Ward, Frederick A., assignor to The Gear Grinding Machine Company, Detroit, Mich. Grinding machine. 2,077,727; Apr. 20.
Waterman, L. E., Company. (See Larsen, Gabriel, assignor.)
Waters, Marshall A., Green Bay, Wis. Box-forming machine. 2,077,913; Apr. 20.
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Removing rubber material from metal. 2,077,785; Apr. 20.
Watson, Glenn W., Detroit, Mich. Welding by the charge of a condenser. 2,077,600; Apr. 20.
Wattelet, Raymond R. (See Orr, F. L., and Wattelet.)
Watts, Roy T. (See Goldbert, M. L., and Watts.)
Weatherhead Company, The. (See Baldwin, John D., Jr., assignor.)
Weaton, George F., Beaver, Pa., assignor to St. Joseph Lead Company, New York, N. Y. Treatment of zinciferous materials. 2,077,651; Apr. 20.
Webber, Charles S. (See Murdock, F. M., and Webber.)
Wedge, Fred D. (See Dawson, G. H., Unger, and Wedge.)
Weeks, James T., Biloxi, Miss. Medicator. 2,078,111; Apr. 20.
Weinand, Klaus, Leverkusen-I. G. Werk, and C. Bamberger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuffs of the anthraquinone series. 2,077,539; Apr. 20.
Weisberg, Mark, and L. Corman, Providence, R. I., assignors to Alrose Chemical Company. Method and composition for coating iron and steel articles. 2,077,450; Apr. 20.
Weiske, Guenther. (See Cocke, H., and Weiske.)
Weiss, Maximilian E., Philadelphia, Pa. Ice cream dipper. 2,077,501; Apr. 20.
Welker, Harry L., Williamsport, Pa. Dental cleansing and massage device. 2,077,540; Apr. 20.
Werner, Hans. (See Schmalfuss, H., and Werner.)
Wernlund, Christian J. (See Oplinger, F. F., and Wernlund.)
Wessblad, Karl A., H. Ellis, A. Göth, and J. O. Naucler, assignors to Industrikemiska Aktiebolaget, Stockholm, Sweden. Apparatus for the fermentation of liquids. 2,077,652; Apr. 20.
Westcott Rule Company. (See Dombrowski, Briney S., assignor.)
Western Bakeries Corporation. (See Quick, Claude E., assignor.)
Western Cartridge Company. (See Buxton, P. H., and Foster, assignors.)
Westin, Charles J. (See Stokes, F. J., and Westin.)
Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Tube closing machine with heated jaws. 2,077,653; Apr. 20.
Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Tube closing machine. 2,077,654; Apr. 20.
Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Tube closing and sealing machine. 2,077,655; Apr. 20.
Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
Westinghouse Air Brake Company, The. (See Stevens, Roy R., assignor.)
Westvaco Chlorine Products Corporation. (See Seaton, Max Y., assignor.)
White, George S. J. (See Burchill, J., and White.)
Whitlock, Ralph G., Los Angeles, and L. Sharp, Huntington Park, Calif., assignors to Federal Foundation Inc., Las Vegas, Nev. Closure for containers. 2,077,601; Apr. 20.
Whitlock, Ralph G., Los Angeles, and L. Sharp, Huntington Park, Calif., assignors to Federal Foundation Inc., Las Vegas, Nev. Safety refillable dispenser. 2,077,602; Apr. 20.
Whitlock, Ralph G., Los Angeles, and L. Sharp, Huntington Park, Calif., assignors to Federal Foundation Inc., Las Vegas, Nev. Safety refillable dispenser and control therefor. 2,077,603; Apr. 20.
Whitney, Lewis J., Springville, Utah. Door lock. 2,077,728; Apr. 20.
Wickersham, Harry P. (See Burns, E., and Wickersham.)
Wieslander, Daniel H., Portland, Maine. Foldable trestle for paper-trimming boards and the like. 2,077,541; Apr. 20.
Wiggins, George A., and G. B. Martin, Hamilton, Ontario, Canada. Window. 2,078,185; Apr. 20.
Wilcox, Ida M., Salt Lake City, Utah. Ship's armor. 2,077,729; Apr. 20.
Wile, Daniel D., assignor to Detroit Lubricator Company, Detroit, Mich. Refrigerating system. 2,077,865; Apr. 20.
Wiles, Everett R., Barnsdall, Okla., assignor to Barnsdall Refining Corporation. Oil separation. 2,078,186; Apr. 20.
Wiley, William R., Detroit, Mich. Attaching clip for metal moldings. 2,077,604; Apr. 20.
Wiley, William R., Detroit, Mich. Mechanism for positioning attaching clips in a molding strip. 2,077,605; Apr. 20.
Wilkinson, Herbert C., Madison, Wis. Razor blade honer and stropper. 2,078,187; Apr. 20.
Williams, Frederick E. (See Hollander, C. S., and Williams.)
Williams, Harold E., Carthage, Mo. Adjustable closure cap. 2,078,211; Apr. 20.
Williams, Ira, Woodstown, W. A. Douglass, Penns Grove, N. J., and A. M. Neal, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preservation of rubber. 2,077,502; Apr. 20.
Willoughby, Victor. (See McBride, J. J., and Willoughby.)
Wills, Arthur I., and R. S. Neeley, Prospect, Oreg. Vehicular jack. 2,077,606; Apr. 20.
Wilmanns, Gustav. (See Hagedorn, M., Jung, and Wilmanns.)
Wilson, Charles E., Chicago, Ill. Electric bulb socket. 2,077,973; Apr. 20.
Wilson, Charles H., Pelham, N. Y., and C. J. Brown, assignors to The Foxboro Company, Foxboro, Mass. Method and apparatus for controlling the actuation of recorders. 2,077,451; Apr. 20.
Wilson-Jones Company. (See Dawson, G. H., Unger, and Wedge, assignors.)
Wilson, Melville M., Chicago, Ill. Ink. 2,078,170; Apr. 20.
Wilson, Robert E., assignor to Standard Oil Company, Chicago, Ill. Dewaxing system. 2,077,656; Apr. 20.
Winchester Repeating Arms Company. (See Foisy, George A., assignor.)
Windemuller, Jan H., The Hague, assignor to Maatschappij van Berkel's Patent N. V., Rotterdam, Netherlands. Gas oven. 2,078,169; Apr. 20.
Wingfoot Corporation. (See Russon, Harry R., assignor.)
Winkler, Alfred, and M. Dünnebier, Neuwied, Germany. Apparatus for manufacturing, at choice, bags, pockets, double pockets, and envelopes. 2,078,188; Apr. 20.
Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Electric switch. 2,077,503; Apr. 20.
Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Switch. 2,077,504; Apr. 20.
Winters & Crampton Corporation. (See Geske, C. W., and Roossien, assignors.)
Wion, George H., assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system for railroads. 2,077,607; Apr. 20.
Wirtel, Arthur F. (See De Groote, M., and Wirtel.)

Wishart, William W., Chicago, Ill. Air conditioning apparatus. 2,079,974; Apr. 20.
Wittle, Philip W., Chicago, Ill. Spray gun. 2,078,171; Apr. 20.
Woelflin, William, Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Electric separator and method. 2,077,505; Apr. 20.
Wolff, Hans. (See Huppert, P., and Wolff.)
Wolff, Saul K., Long Beach, N. Y. Telephone escritoire. 2,077,975; Apr. 20.
Wologdin, Valentin, Leningrad, Union of Socialist Soviet Republics. Vacuum relay. 2,078,112; Apr. 20.
Woock, Herbert J., Lodi, Calif., assignor, by mesne assignments, to Super Mold Corporation of California. Adjustable rim. 2,077,506; Apr. 20.
Wood, Fred E., Glen Ellyn, Ill. Sequence varying sign mechanism. 2,077,976; Apr. 20.
Wood, Henry J., Randwick, assignor of one-third to E. Gordon-Hume, Sydney, New South Wales, Australia. Method of and machine for freezing certain comestibles. 2,077,608; Apr. 20.
Worth Company, The. (See Butterworth, Samuel D., assignor.)
Wren, Charles F., assignor to Columbia Finance Co., Los Angeles, Calif. Vehicle rear end drive mechanism. 2,077,452; Apr. 20.
Wright, Robert A., et al. (See Crary, Palmer H., assignor.)
Wulff, Carl, and E. Dorrer, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of molded artificial masses. 2,077,542; Apr. 20.
Yancey, John R., Houston, Tex., assignor to Gray Tool Company. Device for adjusting fittings and the like under fluid pressure. 2,077,507; Apr. 20.
Young, Henry S., Wilkinsburg, and R. A. McCann, Swissvale, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,077,817; Apr. 20.
Young, L. A., Spring and Wire Corporation. (See Clark, William A., assignor.)
Young, William, Wishaw, Lanarkshire, Scotland. Device for controlling windows of the sliding type. 2,077,609; Apr. 20.
Zager, Harold A., Boston, Mass. Animal trap. 2,077,657; Apr. 20.
Zaiger, Louis, Lynn, Mass. Splash flap for automobiles. 2,077,818; Apr. 20.
Zecha, Otto, Vienna, Austria. Sound recording apparatus. 2,078,113; Apr. 20.
Zenith Radio Corporation. (See Emde, Kurt, assignor.)
Zilliger, Arno, Narberth, Pa., assignor, by mesne assignments, to National Television Corporation, Wilmington, Del. Television apparatus. 2,077,866; Apr. 20.
Zimet, Isidore, Brooklyn, N. Y. Bedspring. 2,077,867; Apr. 20.
Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Balanced helicoidal change speed drive for shapers. 2,077,730; Apr. 20.
Zingone, Anthony E., New York, N. Y. Hair drying device. 2,078,047; Apr. 20.
Zizinia, Paul T., Belmar, N. J., assignor to Spray Dryer Laboratory Corporation. Soluble, nonhygroscopic cocoa and producing same. 2,077,819; Apr. 20.
Zorzi, Carlo, New York, N. Y. Construction of electric single-phase motors. 2,078,114; Apr. 20.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Circuit, Electric valve translating. H. W. Lord. 20,335; Apr. 20.
Garment, Rubber and rubberized sanitary. J. Stein and H. H. Mosher. 20,337; Apr. 20.
Scrap bunch machine. F. C. Gladeck and J. P. Durning. 20,334; Apr. 20.
Screen, Motion picture. A. L. Raven. 20,336; Apr. 20.
Television system. W. A. Tolson. 20,338; Apr. 20.

LIST OF PLANT INVENTIONS

Berry. H. F. Greider. 247; Apr. 20.
Rose. W. G. Bate. 245; Apr. 20.
Rose. F. C. Raffel. 246; Apr. 20.

LIST OF DESIGN INVENTIONS

Ashtray. H. A. Blanchard. 104,156; Apr. 20.
Ashtray. F. R. Green. 104,161; Apr. 20.
Ashtray. W. E. Mackelfresh, Jr. 104,168; Apr. 20.
Ashtray, Cigarette. E. Gordones. 104,160; Apr. 20.
Bar, Portable service. J. J. Kopacka. 104,192; Apr. 20.
Base and cover, Combination eye cup. B. F. Conner. 104,184; Apr. 20.
Belt or similar article. J. Singer. 104,227; Apr. 20.
Box, Jewelry. R. Parness and S. Sweet. 104,147; Apr. 20.
Bracket, Casket handle. R. L. Randall. 104,148; Apr. 20.
Brush. P. C. Scott. 104,225; Apr. 20.
Cabinet, Beverage cooler. R. E. Kruck. 104,143; Apr. 20.
Cabinet, Radio receiver. J. R. Morgan. 104,197; Apr. 20.
Candlestick. W. F. Liska. 104,194; Apr. 20.
Case, Piano. P. Van Dommelen. 104,228; Apr. 20.
Case, Piano. S. E. Zack. 104,229; Apr. 20.
Casing and base, Combination centrifugal separating machine. J. S. Pecker. 104,223; Apr. 20.
Casing, Wrist cigarette lighter. N. Anderson. 104,178; Apr. 20.
Chair, Posture. N. Y. Andersen. 104,154; Apr. 20.
Chassis, Wheeled toy. W. Borios. 104,181; Apr. 20.
Clock, Revolving. R. Margo. 104,196; Apr. 20.
Coffee maker. S. W. Farber. 104,158; Apr. 20.
Comb. B. Fastner. 104,186; Apr. 20.
Counter, Service bar. G. W. Behrel and H. Tyson. 104,130–32; Apr. 20.
Decanter. G. Smith, Jr. 104,200; Apr. 20.
Dial, Radio receiver. J. R. Morgan. 104,220; Apr. 20.
Dish, Butter. A. I. Lorenzen. 104,164; Apr. 20.
Dispensing machine, Tablet. L. E. Dickson. 104,134; Apr. 20.
Dress. H. Berry. 104,180; Apr. 20.
Dress. H. Berry. 104,203–8; Apr. 20.
Envelope, Knitted reupholstering. W. L. Fry. 104,187; Apr. 20.
Expresser and strainer, Combined fruit and vegetable. D. A. Grandinetti. 104,138; Apr. 20.
Fabric, Curtain. J. Alexander. 104,129; Apr. 20.
Fabric, Knitted. J. Minoff. 104,146; Apr. 20.
Fabric or similar article, Printed textile. C. F. Scholle. 104,224; Apr. 20.
Fabric or similar article, Textile. J. Stam. 104,151; Apr. 20.
Fabric, Textile. E. J. Das. 104,133; Apr. 20.
Fabric, Textile. J. H. Huelat. 104,216; Apr. 20.
Fabric, Textile. M. Morris. 104,198; Apr. 20.
Flowerpot and stand or similar article, Combined. J. S. Miller and J. Tyson. 104,221; Apr. 20.
Frame, Bicycle. H. H. Henry. 104,140–1; Apr. 20.
Fryer or similar article, Chicken. N. Abrams. 104,128; Apr. 20.
Glasses, Sun. F. A. Rentchler. 104,172; Apr. 20.
Handbag. D. Lewis. 104,144; Apr. 20.
Handbag, Straw. D. Lewis. 104,145; Apr. 20.
Handle or the like, Electric switch. J. L. Hawkinson. 104,215; Apr. 20.
Handle, Refrigerator door. G. J. Hopkins. 104,162; Apr. 20.
Heater, Space. R. E. Kruck. 104,193; Apr. 20.
Heel, Shoe. J. T. Kershaw. 104,191; Apr. 20.
Hinge, Refrigerator door. G. J. Hopkins. 104,189; Apr. 20.
Holder, Infant's feeding bottle. H. J. Edwards. 104,157; Apr. 20.
Holder, Lubricant display. M. I. Hakky. 104,214; Apr. 20.
Holder, Sparkler. E. V. Babbitt. 104,155; Apr. 20.
Jug. S. K. Berk. 104,179; Apr. 20.
Lace. J. Dognin. 104,209–10; Apr. 20.
Lace. M. Solomon. 104,150; Apr. 20.
Lamp and cosmetic container, Combined. W. Minkin. 104,170; Apr. 20.
Lamp, Fender. J. S. Hubbard. 104,163; Apr. 20.
Lamp for automobiles, Head. N. M. Gage. 104,212; Apr. 20.
Lamp, Portable. A. F. H. Davis. 104,185; Apr. 20.
Lamp shade or similar article. E. W. Newton. 104,222; Apr. 20.
Lens, Fresnel. F. C. Williams. 104,177; Apr. 20.
Lighting fixture. E. Kanter. 104,217; Apr. 20.
Liner for a comport or similar article, Glass. C. S. Whipple. 104,175; Apr. 20.
Liner for a comport or similar article, Glass. C. S. Whipple. 104,176; Apr. 20.
Motorcycle, Body. S. J. Ginnis. 104,213; Apr. 20.
Nipple, Nursing. F. Maccoy. 104,195; Apr. 20.
Panel, Color display. C. B. Spencer. 104,201; Apr. 20.
Panel for color combinations, Display. C. B. Spencer. 104,202; Apr. 20.
Plate or similar article, Glass. R. A. May. 104,169; Apr. 20.
Pocketbook. H. Felmann. 104,159; Apr. 20.
Pocketbook. H. Morris. 104,171; Apr. 20.
Protector and marker, Combined grave. A. M. Taylor. 104,152; Apr. 20.
Radiator, Multiple column. L. A. V. Guild. 104,188; Apr. 20.
Ring, Finger. J. J. Gruen. 104,139; Apr. 20.
Scale, Platform. C. R. Kirk. 104,218; Apr. 20.
Scarf. F. Hess. 104,142; Apr. 20.
Shaker, Condiment. E. W. Fuerst. 104,135; Apr. 20.
Shaker, Condiment. W. E. Mackelfresh, Jr. 104,167; Apr. 20.
Slip. H. Cohen. 104,183; Apr. 20.
Spout and closure for containers, Combined. B. M. Schmuhl. 104,190; Apr. 20.
Spout for washing machine or similar article, Drain. J. R. Morgan. 104,219; Apr. 20.
Station, Portable gas. E. E. Johnston. 104,190; Apr. 20.
Swatter blade, Fly. M. W. Gatch. 104,136; Apr. 20.
Switch, Flashlight. D. L. Spender. 104,173; Apr. 20.
Switch, Flashlight. E. H. Tompkins. 104,174; Apr. 20.
Table, Child's play. E. A. Goddard. 104,137; Apr. 20.
Table or similar article. L. H. Wilson. 104,153; Apr. 20.
Tire. K. D. Smith. 104,149; Apr. 20.
Truck, Hand. J. H. Estus. 104,211; Apr. 20.
Vase. A. I. Lorenzen and M. S. Desser. 104,165–6; Apr. 20.
Wheel. C. W. Sinclair. 104,226; Apr. 20.
Winch or the like. I. Bromfield. 104,182; Apr. 20.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive machine. V. E. Minich. 2,077,638; Apr. 20.
Abrasive throwing machine. V. E. Minich. 2,077,636–7; Apr. 20.
Abrasive throwing wheel. V. E. Minich. 2,077,635; Apr. 20.
Acetaldehyde from acetylene, Production of. W. Rosinsky and P. Baumann. 2,077,586; Apr. 20.
Acid from sulphuric acid solutions of sulphates, Recovering sulphuric. O. Mantius and E. Mantius. 2,078,088; Apr. 20.
Acoustical construction. J. Mazer. 2,077,889; Apr. 20.
Acoustical material. D. F. Ross and W. A. Elliott. 2,077,713; Apr. 20.
Addressing and printing machine. C. Smith. 2,077,963–5; Apr. 20.
Adhesive to materials for coating surfaces or in the manufacture of coated or compound materials, Applying. G. Smith. 2,077,535; Apr. 20.
Adjustable depth folding box. G. W. Hinton. 2,077,694; Apr. 20.
Adjustable hinge joint. J. W. Leighton. 2,077,844; Apr. 20.
Advertising device, Transit. J. C. Rivers. 2,077,585; Apr. 20.
Aerator or agitator. H. V. Wallace and L. H. Logue. 2,077,445; Apr. 20.
Aeroplane wing construction. D. L. Sutton. 2,077,859; Apr. 20.
Air brake. C. A. Campbell. 2,077,515; Apr. 20.
Air compressor, Hydraulic. J. E. Jones and R. J. Unsworth. 2,077,482; Apr. 20.
Air conditioning apparatus. W. L. Fleisher. 2,077,554; Apr. 20.
Air conditioning apparatus. W. W. Wishart. 2,077,974; Apr. 20.
Aircraft. A. S. Fink. 2,077,471; Apr. 20.
Aircraft. H. A. Rabatel. 2,078,019; Apr. 20.
Aircraft engine heater. E. J. Arndt. 2,078,116; Apr. 20.
Air filter. F. L. Myers. 2,077,951; Apr. 20.
Airplane. R. V. Morse. 2,077,708; Apr. 20.
Alcohols from their corresponding alkylenes, Manufacture of. J. Stanley. 2,077,967; Apr. 20.
Alkali polysulphides, Producing stable. O. Röhm. 2,077,856; Apr. 20.
Alkyl catechol ketones. E. Miller and W. H. Hartung. 2,078,205; Apr. 20.
Amalgam and other dies, Apparatus for making dental. W. B. Lebherz and H. J. Lebherz. 2,077,423; Apr. 20.
Ammonium nitrate-ammonia compositions, Packing and transportation of. C. S. Fazel. 2,077,469; Apr. 20.
Amplifier. P. F. G. Holst. 2,077,565; Apr. 20.
Analyzer for automotive vehicles, Exhaust gas. L. S. Wait. 2,077,538; Apr. 20.
Animal trap. H. A. Zager. 2,077,657; Apr. 20.
Antihalation layer. M. Hagedorn, A. Jung, and G. Wilmanns. 2,077,789; Apr. 20.
Apparel hook. H. H. Lahr. 2,077,629; Apr. 20.
Apron for poster structure, Protective. A. J. Cusick. 2,078,126; Apr. 20.
Armor, Ship's. I. M. Wilcox. 2,077,729; Apr. 20.
Articles having the appearance of pearl, Making. J. Lurie. 2,078,007; Apr. 20.
Aryl amides, Mercurated salicyl. F. L. Sharp and M. Barrowcliff. 2,077,591; Apr. 20.
Audio volume expander circuit. J. F. Dreyer, Jr. 2,077,466; Apr. 20.
Auto gauge. R. Jensen. 2,077,416; Apr. 20.
Automatic clutch. C. R. Roche. 2,077,956; Apr. 20.
Automatic control valve. L. L. Torrey. 2,078,108; Apr. 20.
Automatic defrosting switch. C. C. Hundemer. 2,077,839; Apr. 20.
Automobile accessory, Convertible. F. C. Bowerman. 2,077,736; Apr. 20.
Automobile chassis member and making same. E. Almdale. 2,077,454; Apr. 20.
Automobile decking devices. L. H. Cooper. 2,077,376; Apr. 20.
Azo dyestuffs. A. Modersohn and E. Fischer. 2,077,528; Apr. 20.
Bags, pockets, double pockets, and envelopes, Apparatus for manufacturing, at choice. A. Winkler and M. Dünnebier. 2,078,188; Apr. 20.
Ball, Inflatable. J. Hesper. 2,078,141; Apr. 20.
Bank, Registering money. R. B. Hayden. 2,077,521; Apr. 20.
Bars, Manufacturing rail joint. G. Langford. 2,078,082; Apr. 20.
Battery cell. G. W. Heise. 2,077,561; Apr. 20.
Battery cell. G. W. Heise and E. A. Schumacher. 2,077,562; Apr. 20.
Battery connecter. F. E. Heatwole. 2,077,522; Apr. 20.
Battery for looms, Automatic. W. A. Smith. 2,077,858; Apr. 20.
Battery terminal post clamp. R. L. Baird and A. Moseley. 2,077,821; Apr. 20.
Bearing: *See*—
Worm gear bearing.
Bearing sleeve and joint assembly. R. F. Peo. 2,077,582; Apr. 20.
Bedspring. I. Zimet. 2,077,867; Apr. 20.
Beers and ales, Chillproofing and stabilizing. L. Wallerstein. 2,077,447; Apr. 20.
Beers and ales, Maturing and ripening. L. Wallerstein. 2,077,446; Apr. 20.
Belt, Link. J. W. Shields. 2,078,167; Apr. 20.
Beverage forming means. J. Nutry. 2,078,013; Apr. 20.
Beverage indicator. E. J. Meusner. 2,077,847; Apr. 20.
Beverages, Chillproofing and stabilizing malt. L. Wallerstein. 2,077,447–9; Apr. 20.
Block: *See*—
Cement building block. Traveling block.
Sanding block.
Board: *See*—
Ribbed board. Summary board.
Boom and winch attachment for tractors, Side. H. W. Cardwell. 2,077,741; Apr. 20.
Bottle. E. F. Ahlquist. 2,077,977; Apr. 20.
Bottle capping apparatus. H. C. Taylor. 2,078,040; Apr. 20.
Box: *See*—
Adjustable depth folding box.
Box and assembly for use therein, Compartment. J. J. Dombroski. 2,078,066; Apr. 20.
Box for chicks, Shipping. N. F. Schaefer. 2,077,588; Apr. 20.
Box-forming machine. M. A. Waters. 2,077,913; Apr. 20.
Box-lid machine. G. H. and A. G. Snyder. 2,078,037; Apr. 20.
Box making. G. H. and A. G. Snyder. 2,078,035–6; Apr. 20.
Bracelet connecter. J. W. Greenbowe. 2,077,473; Apr. 20.
Brake: *See*—
Air brake. Motor brake.
Clasp brake. Retardation controlled brake.
Empty and load brake.
Fluid pressure brake. Train control brake.
Brake. H. G. Axtmann. 2,077,914; Apr. 20.
Brake. R. H. Beyer. 2,077,915; Apr. 20.
Brake. C. E. Budd. 2,077,916; Apr. 20.
Brake. J. S. Irving. 2,077,931; Apr. 20.
Brake. L. E. La Brie. 2,077,939; Apr. 20.
Brake. T. J.-B. Lafitte. 2,077,940; Apr. 20.
Brake. D. F. Linsley. 2,077,943; Apr. 20.
Brake. G. P. Roberts. 2,077,955; Apr. 20.
Brake. R. S. Sanford and E. G. Carroll. 2,078,209; Apr. 20.
Brake. J. W. Tatter. 2,077,908; Aug. 20.
Brake. E. V. Taylor. 2,077,909; Apr. 20.
Brake control, Magnetic. J. W. Logan, Jr. 2,077,945; Apr. 20.
Brake device, Empty and load. C. C. Farmer. 2,077,923; Apr. 20.
Brake drum. H. J. Horn. 2,077,695; Apr. 20.
Brake mechanism, Air. A. L. Goodknight. 2,077,787; Apr. 20.
Brake mechanism, Air. A. L. Goodknight. 2,077,788; Apr. 20.
Brake mechanism, Load. C. C. Farmer. 2,077,921; Apr. 20.
Brake mechanism, Load. C. C. Farmer. 2,077,922; Apr. 20.
Brake mechanism, Vacuum operated. R. S. Begg. 2,077,456; Apr. 20.
Brake-operating device for railroad vehicles, Automatic. F. Mikulka, A. Stecker, and F. Seckar. 2,077,848; Apr. 20.
Brake shoe tightener. H. W. Ekholm. 2,077,551; Apr. 20.
Brake system, Railway vehicle. E. E. Hewitt. 2,077,929; Apr. 20.
Brake torque reaction device. R. S. Sanford. 2,078,210; Apr. 20.
Brassière. D. Rotelli and H. B. Saxe. 2,078,099; Apr. 20.
Bread, Wrapping loaves of. P. J. Couture. 2,077,743; Apr. 20.
Brush assembly for vacuum cleaners and the like. R. Hemrich. 2,077,754; Apr. 20.
Brush, Paint. N. J. Campbell. 2,078,193; Apr. 20.

Bucket, Steam-jacketed asphalt. J. I. Hurst. 2,077,756; Apr. 20.
Building construction. E. G. P. Mopin. 2,077,950; Apr. 20.
Building veneer construction. A. F. Eliel. 2,078,069; Apr. 20.
Burner: *See*—
Gas burner.
Burrs from gears, Mechanism for removing. R. S. Condon. 2,078,124; Apr. 20.
Bushing, Composite. F. E. Rice. 2,077,584; Apr. 20.
Bushing, Terminal. G. R. Gober. 2,077,686; Apr. 20.
Button, Tufting. W. L. Hawn. 2,077,691; Apr. 20.
Cabinet, Air conditioning. G. C. Lawson. 2,078,085; Apr. 20.
Cabinet, Milk refrigerating. W. F. Borgerd, F. L. McCune, and C. A. Uherek. 2,077,871; Apr. 20.
Cabinet, Towel. E. A. Hamner. 2,077,753; Apr. 20.
Cable joint. T. F. Brandt. 2,077,737; Apr. 20.
Cable support. J. J. Taylor. 2,077,783; Apr. 20.
Cap, Adjustable closure. H. E. Williams. 2,078,211; Apr. 20.
Cap for filling nozzles. J. Sinko. 2,077,721; Apr. 20.
Cap for toothpaste tubes. C. B. Lutz. 2,078,149; Apr. 20.
Car coupler centering device. C. Harter. 2,077,560; Apr. 20.
Car loading device. S. D. Butterworth. 2,078,052; Apr. 20.
Car wall, Railway. G. G. Gilpin. 2,077,558; Apr. 20.
Carbonating apparatus. H. K. Painter. 2,077,850; Apr. 20.
Carburetor for internal combustion engines. I. Schorsch. 2,078,029; Apr. 20.
Card table. I. E. Hunting. 2,077,414; Apr. 20.
Card verifier. W. W. Lasker. 2,078,084; Apr. 20.
Carrier for pneumatic dispatch tubes. C. A. Burrows. 2,077,671; Apr. 20.
Cartridge valve. F. L. Boyd. 2,077,872; Apr. 20.
Case: *See*—
Fiberboard case. Tie case.
Casting of magnesium and like metals, Melting, refining and preparation for. L. G. Day 2,077,990; Apr. 20.
Catalytic hydrogenation process. W. A. Lazier. 2,077,421; Apr. 20.
Cathode ray tube. W. F. Tedham and J. D. McGee. 2,077,442; Apr. 20.
Cellulose foam from viscose and product thereof, Preparation of a molded. R. O. Herzog and H. Hoffmann. 2,077,412; Apr. 20.
Cellulose nitrate, Stabilization of. L. S. Baker. 2,077,455; Apr. 20.
Cellulosic structures. E. Kline. 2,077,699; Apr. 20.
Cement building block. P. E. Daubenspeck. 2,077,989; Apr. 20.
Chair. A. Provisor. 2,077,770; Apr. 20.
Chair and table set, Combination. E. Riess. 2,077,855; Apr. 20.
Change gear. R. M. Gaston. 2,077,556; Apr. 20.
Changeable exhibitor. H. V. Marsh. 2,077,632; Apr. 20.
Checking or counting device, Automatic. M. H. Morse, Jr. 2,077,767; Apr. 20.
Cheese, Packing. W. Y. C. Hunt. 2,077,697; Apr. 20.
Chimney. F. Spring. 2,077,722; Apr. 20.
Chlorine dioxide, Production of. G. P. Vincent. 2,078,045; Apr. 20.
Chrome ore refractories. F. A. Harvey and R. E. Birch. 2,077,796; Apr. 20.
Chuck control for rotary core drilling machines, Automatic. J. W. Hornbrook. 2,077,696; Apr. 20.
Circuit breaker. G. R. Langley. 2,078,145; Apr. 20.
Circuit, Capacity balance. F. H. Shepard, Jr. 2,077,592; Apr. 20.
Circuit, High frequency power supply. L. D. Miles. 2,078,151; Apr. 20.
Circuit interrupter and arc extinguishing liquid therefor. G. F. McMahon. 2,077,429; Apr. 20.
Circuit, Phase shifting. E. E. Moyer. 2,078,152; Apr. 20.
Circuit, Push-pull audio amplifier. V. O. Stokes. 2,077,594; Apr. 20.
Circuit, Radio. H. F. Dalpayrat. 2,077,550; Apr. 20.
Circuits, Receiving. W. D. van Gogh. 2,077,597; Apr. 20.
Cistern, Flushing. A. Gebert. 2,077,832; Apr. 20.
Clamp: *See*—
Battery terminal post clamp.
Clamp for cables, wires, ropes, and the like. J. L. Bairley. 2,077,386; Apr. 20.
Clasp brake. W. H. Baselt. 2,077,661; Apr. 20.
Clasp brake. W. H. Baselt. 2,077,662; Apr. 20.
Cleaner: *See*—
Suction cleaner. Vacuum floor cleaner.
Vacuum cleaner.
Cleaning and sterilizing device. O. O. Stanley. 2,078,104; Apr. 20.
Cleaning, Dry. M. Y. Seaton. 2,077,857; Apr. 20.
Cleansing and massage device, Dental. H. L. Welker. 2,077,540; Apr. 20.
Clip: *See*—
Garment hanger clip.
Clip for metal moldings, Attaching. W. R. Wiley. 2,077,604; Apr. 20.
Clips in a molding strip, Mechanism for positioning attaching. W. R. Wiley. 2,077,605; Apr. 20.
Clock, Electrically operated. J. A. Y. Hernandez. 2,077,755; Apr. 20.
Closure, Container. J. B. Elsen. 2,077,992; Apr. 20.
Closure for container. R. G. Whitlock and L. Sharp. 2,077,601; Apr. 20.
Closure for packing containers, Tension ring. A. Mauser. 2,078,009; Apr. 20.
Cloth cutting machine. N. Ross. 2,077,900; Apr. 20.
Clothesline reel. F. Kramer. 2,078,081; Apr. 20.
Clutch: *See*—
Automatic clutch.
Free wheel clutch.
Clutch. W. J. Pearmain. 2,077,709; Apr. 20.
Clutch control, Automatic. A. A. Hodgkins. 2,077,413; Apr. 20.
Clutch control system. C. A. Brewer. 2,078,173; Apr. 20.
Clutch mechanism. B. Ridgeway. 2,078,020; Apr. 20.
Clutch transmission, Double. O. E. Fishburn and P. Orr. 2,077,553; Apr. 20.
Coal, Apparatus for mining. C. B. Officer. 2,077,432; Apr. 20.
Coal mining apparatus. G. D. Miller. 2,077,527; Apr. 20.
Cocoa and producing same, Soluble, nonhygroscopic. P. T. Zizinia. 2,077,819; Apr. 20.
Coffee dispenser. R. J. Bell. 2,077,980; Apr. 20.
Coffee extract and method of and apparatus for producing the same. H. Heuser. 2,077,564; Apr. 20.
Coil, Submerged water heating. V. Feldman. 2,078,070; Apr. 20.
Coins, Apparatus for testing. D. Troy. 2,077,596; Apr. 20.
Collecting chamber for liquids discharged from centrifugal bowls. G. J. Strezynski. 2,077,813; Apr. 20.
Comber guard for looms. F. Matthews. 2,078,091; Apr. 20.
Comestibles, Method of and machine for freezing certain. H. J. Wood. 2,077,608; Apr. 20.
Compass follow-up. W. Möller and G. Z. von Manteuffel. 2,077,849; Apr. 20.
Concentrator. H. E. T. Haultain. 2,077,476; Apr. 20.
Concrete, Stabilizing unset. W. L. Beuschlein, I. L. Collier, and C. D. Cory. 2,077,870; Apr. 20.
Concrete unit system for wall construction, Precast. W. Kenan. 2,078,144; Apr. 20.
Condensation products and making same. W. Kraus. 2,077,841; Apr. 20.
Condenser: *See*—
Electric condenser.
Conducting and dispensing system for beer. H. J. Sandell. 2,078,026; Apr. 20.
Connecter: *See*—
Battery connecter. Plug and cap connecter.
Bracelet connecter.
Connecter for stranded cable. A. A. Berndt. 2,078,051; Apr. 20.
Connecting means, Adjustable. O. H. Dicke. 2,077,620; Apr. 20.
Connection, Armature lead. C. E. Roth. 2,078,024; Apr. 20.
Container: *See*—
Hot water container.
Container. H. K. Powell. 2,078,018; Apr. 20.
Container closing means. R. B. Bukolt. 2,077,984; Apr. 20.
Container for granular and like materials. F. Rolff. 2,077,898; Apr. 20.
Container sealing means. R. B. Bukolt. 2,077,985; Apr. 20.
Control. C. D. Geer and J. L. Blach. 2,077,924; Apr. 20.
Control device for games. L. W. Gensburg. 2,077,684; Apr. 20.
Control for brake systems, Automatic. C. C. Farmer. 2,077,920; Apr. 20.
Control for liquid fuel burners, System of. G. F. Drake. 2,077,402; Apr. 20.
Control for oil burners and the like, Timing. G. R. Townsend. 2,078,109; Apr. 20.
Control of the power output of aircraft engines, Automatic. E. Schimanek. 2,077,775; Apr. 20.
Conveyer, Endless. G. D. Leonard. 2,077,941; Apr. 20.
Conveyer mechanism, Article assembling. H. F. Lewis. 2,077,786; Apr. 20.
Cooking apparatus. W. M. Schwartz. 2,078,165; Apr. 20.
Cooler: *See*—
Milk cooler.
Cooling mold. J. Y. Glenn. 2,077,927; Apr. 20.
Cooling system for automobile engines. A. S. Duesenberg. 2,078,067; Apr. 20.
Cords, Apparatus for latexing. N. J. Ritzert. 2,077,492; Apr. 20.
Coupling: *See*—
Hose coupling.
Coupling. E. F. King. 2,077,484; Apr. 20.
Coupling apparatus, Pipe. W. R. Postlewaite. 2,077,769; Apr. 20.
Coupling for gas wells, Valved. G. E. Van Voorhis. 2,077,911; Apr. 20.

Coupling pin, Safety latch equipped. W. J. Davidson. 2,077,825; Apr. 20.
Cover: *See*—
Handwheel cover.
Crutch, Wheel supported. T. F. Kish. 2,077,569; Apr. 20.
Curling iron. B. A. Dodd. 2,077,991; Apr. 20.
Cushion structure, Spring. W. A. Clark. 2,077,459; Apr. 20.
Cushioning means for bicycle frames. R. L. Martin. 2,078,213; Apr. 20.
Cutter: *See*—
Shingle cutter.
Cutting and embossing machine, Biscuit and like. G. R. Baker. 2,077,979; Apr. 20.
Cylinder head. A. A. A. Darche. 2,077,824; Apr. 20.
Cylinder packing ring. R. R. Stevens. 2,077,906; Apr. 20.
Damped wave filter. L. W. Blau. 2,077,391; Apr. 20.
Deflector for automotive vehicles. R. F. Peo. 2,077,583; Apr. 20.
Demountable wheel. F. L. Orr and R. R. Wattelet. 2,077,567; Apr. 20.
Detergent compositions. A. H. Fiske. 2,078,071; Apr. 20.
Device employing polarized light. E. H. Land. 2,078,181; Apr. 20.
Dewaxing system. R. E. Wilson. 2,077,656; Apr. 20.
Dial mechanism. K. Emde. 2,078,031; Apr. 20.
Diamond tool. F. E. Koebel. 2,078,201; Apr. 20.
Digger, Potato. C. L. Cook. 2,077,462; Apr. 20.
Dipper, Ice cream. M. E. Weiss. 2,077,501; Apr. 20.
Directive control system. M. G. Crosby. 2,077,401; Apr. 20.
Disk, Grinding. H. W. H. Beth. 2,078,120; Apr. 20.
Dispenser: *See*—
Coffee dispenser. Safety refillable dispenser.
Dispenser and control therefor, Safety refillable. R. G. Whitlock and L. Sharp. 2,077,603; Apr. 20.
Dispenser for ground coffee, etc. H. L. Roberts. 2,078,098; Apr. 20.
Display apparatus. H. Armstrong. 2,078,115; Apr. 20.
Display device. H. Harrison. 2,077,690; Apr. 20.
Display, Illuminated. R. S. S. Jones. 2,078,142; Apr. 20.
Display receptacle. W. J. Stephens. 2,078,038; Apr. 20.
Divider, Potential. L. Körös. 2,077,840; Apr. 20.
Doctor for paper making and like machines. F. W. Vickery. 2,077,816; Apr. 20.
Door fastener. S. P. Hull. 2,077,626; Apr. 20.
Door for tanks. W. B. Klein. 2,078,003; Apr. 20.
Door for vehicles, Suction operated dump. E. A. Sell. 2,077,534; Apr. 20.
Door latch, Refrigerator. C. W. Geske and E. J. Roossien. 2,078,073; Apr. 20.
Door lock. L. J. Whitney. 2,077,728; Apr. 20.
Door operating mechanism. J. E. Bancroft. 2,077,659; Apr. 20.
Doors, Attachment for. H. F. Keil and A. Schoorel. 2,078,002; Apr. 20.
Dough feeding means. C. E. Quick. 2,077,896; Apr. 20.
Draft rigging. D. S. Barrows. 2,077,611; Apr. 20.
Drag. W. H. Lane. 2,077,630; Apr. 20.
Drain valve. T. N. Coffelder. 2,077,460; Apr. 20.
Drawing process. S. J. Everett. 2,077,682; Apr. 20.
Drier. G. C. Chapman. 2,077,615; Apr. 20.
Drink mixer. K. E. Bemis. 2,078,190; Apr. 20.
Drive and reversing mechanism, Locomotive. J. H. Doran. 2,078,128; Apr. 20.
Drive, Axle. G. Powell. 2,077,642; Apr. 20.
Drive for duplicators, Reversible. F. W. Storck. 2,077,779; Apr. 20.
Drive for shapers, Balanced helicoidal change speed. W. F. Zimmermann. 2,077,730; Apr. 20.
Drive mechanism for shaker conveyers. W. W. Sloane. 2,077,593; Apr. 20.
Drive mechanism for shaker conveyers. W. W. Sloane. 2,077,811; Apr. 20.
Drive mechanism, Vehicle rear end. C. F. Wren. 2,077,452; Apr. 20.
Drive, Synchronous. W. R. Perry. 2,077,768; Apr. 20.
Driving frame. P. G. Hood. 2,078,078; Apr. 20.
Drum muffler and practice pad, Snare. C. F. Lebow. 2,078,004; Apr. 20.
Dye-stripper, Combination. D. J. Block. 2,077,983; Apr. 20.
Dyes and their production, Azo. M. Mendoza. 2,077,575; Apr. 20.
Dyes and their production, Azo pigment. A. R. Murphy and C. K. Black. 2,077,488; Apr. 20.
Dyestuffs and their manufacture, Chromatable monoazo-. B. Richard. 2,077,854; Apr. 20.
Dyestuffs of the anthraquinone series, Acid wool. K. Weinand and C. Bamberger. 2,077,539; Apr. 20.
Dyestuffs of the dibenzanthrone series, Vat. H. Neresheimer, A. Vilsmeier and R. Held. 2,077,893; Apr. 20.
Dyestuffs of the dioxazine series soluble in water and preparing them, G. Krinzlein, H. Greune and F. Brunnträger. 2,077,887; Apr. 20.
Dyestuffs of the oxazine series and preparing them. K. Thiess. 2,077,863; Apr. 20.
Dynamo-electric machine, Totally enclosed. M. A. Savage. 2,078,164; Apr. 20.
Edible product and package therefor. S. R. Swiss. 2,077,595; Apr. 20.
Electric cell, Regenerative. L. J. Jumau. 2,078,143; Apr. 20.
Electric condenser. L. Behr. 2,077,544; Apr. 20.
Electric control device. L. J. Linde. 2,078,147; Apr. 20.
Electric discharge device. J. M. Cage. 2,078,123; Apr. 20.
Electric outlet for portable electric lamps and other fixtures. L. Ludwig. 2,077,801; Apr. 20.
Electric separator and method. W. Woelflin. 2,077,505; Apr. 20.
Electric switch. G. J. Meuer. 2,077,576; Apr. 20.
Electric switch. G. J. Meuer. 2,077,577; Apr. 20.
Electric switch. R. N. Rowe. 2,077,587; Apr. 20.
Electric switch. R. K. Winning. 2,077,503; Apr. 20.
Electric system, Supervised. H. C. Grant, Jr. 2,078,175; Apr. 20.
Electrical contact. O. S. Field. 2,077,622; Apr. 20.
Electrode holder. A. J. Fausek and I. F. Fausek. 2,077,468; Apr. 20.
Electromagnetic prospecting method. B. S. Melton. 2,077,707; Apr. 20.
Electron discharge device. C. W. Taylor. 2,077,814; Apr. 20.
Eliminator plate washer. H. Y. Hall. 2,077,996; Apr. 20.
Empty and load brake. J. W. Logan, Jr. 2,077,946; Apr. 20.
Emulsions. P. R. Smith. 2,077,905; Apr. 20.
Enclosures within envelopes, Method of and machine for wrapping. A. A. Ballatore. 2,077,658; Apr. 20.
Ends of drier felts and the like, Joining the. T. Milnes. 2,077,891; Apr. 20.
Engine: *See*—
Fluid pressure engine.
Internal combustion engine.
Envelope flap moistening device. F. W. Storck. 2,077,780; Apr. 20.
Envelope making machine. A. Novick. 2,077,952; Apr. 20.
Escritoire, Telephone. S. K. Wolff. 2,077,975; Apr. 20.
Ethers, Mixed tertiary hexyl. T. Evans and K. R. Edlund. 2,077,681; Apr. 20.
Evaporator for refrigerating machines. R. F. Roider. 2,078,163; Apr. 20.
Extensometer. G. S. von Heydekampf. 2,077,598; Apr. 20.
Extruding machine. V. E. Royle. 2,078,100; Apr. 20.
Eyelet row taping machine. R. J. Holmes. 2,077,797; Apr. 20.
Fabric. A. L. Helwith. 2,077,692; Apr. 20.
Fabric and a method and apparatus for making same, Warp knitted. W. J. Beniston. 2,078,050; Apr. 20.
Fabric and article and making it, Coated creped. W. W. Rowe. 2,077,438; Apr. 20.
Fabric and making the same, Elastic. J. T. Callahan. 2,077,514; Apr. 20.
Fabric and making the same, Knitted. G. Gastrich. 2,077,557; Apr. 20.
Fabric, Method of decorating. K. Su'a. 2,077,782; Apr. 20.
Fabrics, Widening. W. Heinitz. 2,077,835; Apr. 20.
Fan blade. M. A. Smith, Jr. 2,077,959; Apr. 20.
Fan, Electric pocket. H. Ruppe and E. Probst. 2,077,643; Apr. 20.
Fastener: *See*—
Door fastener.
Fasteners, Making separable. N. J. Poux. 2,078,017; Apr. 20.
Faucet, Beverage. J. Schreier. 2,077,718; Apr. 20.
Feed for crosscut saws for parqueting flooring and the like, Rotary automatic. A. G. T. Hickman. 2,078,177; Apr. 20.
Felted product and making the same. W. R. Seigle and G. B. Brown. 2,077,720; Apr. 20.
Fiberboard case, Light shielded handled. W. B. Lincoln, Jr. 2,078,087; Apr. 20.
Fidelity control, Automatic. L. C. Hollands. 2,078,077; Apr. 20.
Filling and closing machine. F. J. Stokes and C. J. Westin. 2,077,647; Apr. 20.
Film carrying sound, Sub-standard motion picture. G. Lane. 2,077,702; Apr. 20.
Film, Coated. A. Abrams, G. W. Forcey and G. J. Brabender. 2,078,172; Apr. 20.
Film, Manufacture of lenticular sound. J. Eggert and G. Heymer. 2,077,518; Apr. 20.
Film printer, Motion picture. C. L. Lootens. 2,077,486; Apr. 20.
Film-strip, Contrivance for the simultaneous winding-up and unwinding of an endless. E. Lange. 2,077,843; Apr. 20.
Films, Apparatus for copying cinematographic. I. Kitroser. 2,078,080; Apr. 20.
Films, Apparatus for making. L. R. Herndon. 2,077,836; Apr. 20.
Films, Apparatus for the identification of X-ray. De W. Townsend and G. W. Bradburn. 2,077,500; Apr. 20.
Films, Composition of matter yielding. E. H. Bucy. 2,077,875; Apr. 20.

Films, Moistureproof. A. M. Collins and L. L. Larson. 2,077,399; Apr. 30.
Filter: *See*—
Air filter. Damped wave filter.
Filter. J. E. Hurn. 2,077,999; Apr. 20.
Filter and purifier, Exhaust. T. J. Henry. 2,077,563; Apr. 20.
Filtering apparatus. J. J. Seaver, S. P. Kinney, W. M. Kirk and C. W. Andrews. 2,077,589; Apr. 20.
Filtering material, Fireproof. F. J. Hooker and J. R. Carruthers. 2,078,197; Apr. 20.
Firebox construction. S. M. Darling. 2,077,676; Apr. 20.
Fire escape. A. J. Le Blanc. 2,078,146; Apr. 20.
Fishhook. W. C. Robins. 2,078,162; Apr. 20.
Fitting and forming same, Grease. J. W. Leighton. 2,078,212; Apr. 20.
Fittings and the like under fluid pressure, Device for adjusting. J. R. Yancey. 2,077,507; Apr. 20.
Flap for automobiles, Splash. L. Zaiger. 2,077,818; Apr. 20.
Flashlight. P. Schneider. 2,078,028; Apr. 20.
Flesh or marine mammals, Treatment of the. H. Schmalfuss and H. Werner. 2,077,533; Apr. 20.
Floats to seaplane bays, System for resiliently connecting. G. L. R. J. Messier. 2,077,526; Apr. 20.
Floor mat, Articulated. H. R. Russon. 2,077,901; Apr. 20.
Flow indicating apparatus. C. A. Turner. 2,078,043; Apr. 20.
Flow meter. W. C. Walker. 2,077,444; Apr. 20.
Fluid control for hydraulic brake systems. S. E. Snyder. 2,077,646; Apr. 20.
Fluid filtering apparatus. C. H. Cuno and P. E. Ashton. 2,077,744; Apr. 20.
Fluid operated tool. C. Herrero. 2,077,693; Apr. 20.
Fluid pressure brake. S. G. Down. 2,077,918; Apr. 20.
Fluid pressure brake. E. E. Hewitt. 2,077,930; Apr. 20.
Fluid pressure brake. J. C. McCune. 2,077,949; Apr. 20.
Fluid pressure engine. P. H. Crary. 2,077,618; Apr. 20.
Flush swivel for gun slings, Detachable. M. Meepos. 2,078,010; Apr. 20.
Flying machine. R. M. Thomson. 2,077,910; Apr. 20.
Folding table. J. Kovats. 2,077,701; Apr. 20.
Food cooking machine. G. L. Chapel. 2,077,395; Apr. 20.
Footwear, Apparatus for making. J. M. Miller and A. R. Davis. 2,078,093; Apr. 20.
Form for making inflatable articles. R. R. Frissell. 2,077,752; Apr. 20.
Form, Stocking. A. W. Juergens. 2,077,886; Apr. 20.
Fractures of the neck of the femur, Device for treating. G. M. Morrison. 2,077,804; Apr. 20.
Frame: *See*—
Drying frame.
Frame for high compression apparatus. E. Chapman. 2,078,056; Apr. 20.
Freewheel clutch, Automatic. K. E. Lyman. 2,077,487; Apr. 20.
Frequency comparing device for determining the force of gravity. L. W. Blau. 2,077,390; Apr. 20.
Friction material and making the same. D. S. Bruce. 2,077,669; Apr. 20.
Fruit, Treating. R. B. Harvey. 2,077,411; Apr. 20.
Fuel and making the same. M. Gaertner. 2,077,406; Apr. 20.
Fuel, Dehydrogenated. C. Ellis. 2,077,994; Apr. 20.
Fuels, Dewaxing of motor. J. K. Roberts and M. T. Carpenter. 2,077,712; Apr. 20.
Furfural, Catalytic hydrogenation of. G. DeW. Graves. 2,077,409; Apr. 20.
Furfural, Hydrogenating. W. A. Lazier. 2,077,422; Apr. 20.
Furnace: *See*—
Hot air heating furnace.
Furnace. I. Harter and P. R. Cassidy. 2,077,410; Apr. 20.
Furnaces, Apparatus for stoking. H. L. Kraeft. 2,077,420; Apr. 20.
Fuse, Refillable blade. D. E. Carney. 2,077,823; Apr. 20.
Game apparatus. H. R. Crowther and S. W. Hawkins. 2,077,464; Apr. 20.
Garment hanger clip. R. A. Schramm. 2,077,717; Apr. 20.
Gas burner. C. J. Levey and E. J. Haedike. 2,077,424; Apr. 20.
Gas flow regulator. J. G. Stewart. 2,077,968; Apr. 20.
Gas lever carburetor control. D. M. Hughes and L. G. Donald. 2,077,838; Apr. 20.
Gas mixer. G. Rossi and J. Massa. 2,077,493; Apr. 20.
Gas scrubber. M. A. Lissman. 2,077,427; Apr. 20.
Gas wells, Operation of. G. E. Van Voorhis. 2,077,912; Apr. 20.
Gaseous conduction device. C. G. Smith. 2,077,961; Apr. 20.
Gate operating means. P. Schnell. 2,077,957; Apr. 20.
Gauge: *See*—
Auto gauge. Spring contact gauge.
Gear: *See*—
Change gear. Oleo gear.
Gearing. E. Rietsch. 2,078,161; Apr. 20.
Generator: *See*—
Impulse generator.
Generator structure. C. C. Bergen. 2,077,981; Apr. 20.
Glass, Metal coating. P. Deren. 2,077,378; Apr. 20.
Glass, Method and apparatus for producing sheet. J. L. Drake. 2,077,377; Apr. 20.
Glass, Transparent phosphate. P. Huppert and H. Wolff. 2,077,481; Apr. 20.
Glass working machine. J. Dichter. 2,077,827; Apr. 20.
Glove, Swimming. W. Friedrich. 2,078,133; Apr. 20.
Gluing machine. T. A. Federwitz. 2,077,470; Apr. 20.
Grille. E. L. Anderson. 2,077,734; Apr. 20.
Grinder, Track. H. J. Perazzoli. 2,077,895; Apr. 20.
Grinding machine. F. A. Ward. 2,077,727; Apr. 20.
Ground fitting. C. G. Bondeson. 2,077,613; Apr. 20.
Guard, Bottom rod safety. E. G. Busse. 2,077,547; Apr. 20.
Gun. W. E. House. 2,077,415; Apr. 20.
Gun, Spray. P. W. Wittle. 2,078,171; Apr. 20.
Hair curling roller. A. Mazzola. 2,077,765; Apr. 20.
Hair drying device. A. E. Zingone. 2,078,047; Apr. 20.
Hairpin. H. L. Becker. 2,078,118; Apr. 20.
Handle: *See*—
Saw handle.
Handwheel cover. R. H. Churchill. 2,078,059; Apr. 20.
Headlight, Vehicle. G. W. Roose. 2,078,023; Apr. 20.
Hearing-aid, Bone conduction. H. Lieber. 2,077,425; Apr. 20.
Hearing aid device, Bone conduction. H. Lieber. 2,077,426; Apr. 20.
Heat exchange apparatus. D. L. Higgins. 2,077,625; Apr. 20.
Heater: *See*—
Aircraft engine heater.
Heating system. N. B. Wales. 2,077,599; Apr. 20.
Hinge or joint. J. F. Hines. 2,078,076; Apr. 20.
Hitch, Adjustable. H. Stemman. 2,078,105; Apr. 20.
Holder: *See*—
Electrode holder. Tool holder.
Homopolar dynamo-electric machine. P. I. Chandeysson. 2,077,742; Apr. 20.
Honer and stropper, Razor blade. H. C. Wilkinson. 2,078,187; Apr. 20.
Hook: *See*—
Apparel hook.
Hose coupling. M. H. Bennett. 2,077,869; Apr. 20.
Hose coupling. E. H. Tompkins. 2,077,864; Apr. 20.
Hose stand. H. B. Bristol. 2,077,668; Apr. 20.
Hot air heating furnace. D. J. Campbell. 2,078,053; Apr. 20.
Hot water container. A. Besag. 2,077,612; Apr. 20.
Humidifier unit. F. Manning. 2,078,202–3; Apr. 20.
Humidifying apparatus. F. and S. W. Manning. 2,078,204; Apr. 20.
Hydraulic jack. H. R. and R. P. Rosenberry. 2,078,208; Apr. 20.
Igniting system. R. Tröger. 2,078,110; Apr. 20.
Illuminator attachment for microscopes. H. Heine. 2,077,792; Apr. 20.
Impulse generator. H. L. Rorden and P. M. Ross. 2,077,773; Apr. 20.
Indicator: *See*—
Beverage indicator. Null indicator.
Infant's play pad. F. T. J. Roemer. 2,078,022; Apr. 20.
Ink. M. M. Wilson. 2,078,170; Apr. 20.
Insert for boiler and heater flues. E. Schmitt. 2,077,776; Apr. 20.
Interlocking members for separable fasteners, Forming. N. J. Poux. 2,078,016; Apr. 20.
Internal combustion engine. W. B. Bronander. 2,077,457; Apr. 20.
Internal combustion engine. H. L. Johnson. 2,078,178; Apr. 20.
Iron and steel articles, Method and composition for coating. M. Weisberg and L. Corman. 2,077,450; Apr. 20.
Iron, Pressing. H. P. Cooper. 2,078,061; Apr. 20.
Ironing machine. N. L. Etten. 2,077,680; Apr. 20.
Jack: *See*—
Hydraulic jack. Vehicular jack.
Joint: *See*—
Adjustable hinge joint. Cable joint.
Joint covering and finish, Noncracking. A. C. Benedict. 2,078,049; Apr. 20.
Keyboard perforator and counter. A. G. Eklund. 2,077,404; Apr. 20.
Key winder. H. E. Rubens. 2,077,715; Apr. 20.
Kitchen ventilator. B. Sonntag. 2,077,496; Apr. 20.
Knife device, Molder. C. E. Quick. 2,077,897; Apr. 20.
Lamp for semiindirect lighting purposes, Electric. E. T. Camenisch. 2,078,054; Apr. 20.
Lantern, Tubular. R. A. Currie. 2,078,125; Apr. 20.
Latch: *See*—
Door latch.
Laundry machine. N. L. Etten. 2,077,467; Apr. 20.
Leather, Dyeing. J. Burchill and G. S. J. White. 2,077,546; Apr. 20.
Leer loader. W. H. Failinger. 2,077,830; Apr. 20.
Lighting fixture. E. F. Sibbert. 2,078,032; Apr. 20.
Lighting unit. C. A. B. Halvorson. 2,078,137; Apr. 20.
Lignin sulphonic acid molding compositions and treating same. G. C. Howard and L. T. Sandborn. 2,077,884; Apr. 20.
Line justification. R. E. Paris. 2,077,490; Apr. 20.
Liquid meter. A. Chirca. 2,078,057; Apr. 20.
Liquid sealed pump. F. L. Buenger. 2,077,394; Apr. 20.
Liquids, Apparatus for the fermentation of. K. A. Wessblad, H. E. A. Göth, and J. O. Naucler. 2,077,652; Apr. 20.

Liquids, Apparatus for treating. A. Jensen. 2,078,000; Apr. 20.
Loading machine. F. Cartlidge. 2,077,876; Apr. 20.
Lock: *See*—
Door lock. Permutation lock.
Nut lock.
Locking mechanism. E. P. Hurd. 2,077,698; Apr. 20.
Loom. W. F. Rossiter. 2,077,532; Apr. 20.
Lubricated valve. J. J. McBride and V. Willoughby. 2,077,948; Apr. 20.
Lubricating compound. C. E. Lauer. 2,077,762; Apr. 20.
Lubricating mechanism. R. J. Gits. 2,077,880; Apr. 20.
Lumber and making the same. C. E. Rozema. 2,077,714; Apr. 20.
Machine for mechanically working hollow thread packages. H. F. Gibling. 2,077,520; Apr. 20.
Machine tool. B. P. Graves and A. F. Bennett. 2,077,408; Apr. 20.
Machine tool. F. A. Parsons. 2,077,434; Apr. 20.
Machinery for pressing clothing. F. Spina and C. G. Green. 2,077,440; Apr. 20.
Mail box signal, Rural. R. W. Reed. 2,078,160; Apr. 20.
Mandrel, Hair curling. R. Pezzella. 2,077,530; Apr. 20.
Marker, Grave. J. P. Harner. 2,077,834; Apr. 20.
Material, Moistureproof. W. H. Charch and A. Hershberger. 2,077,396; Apr. 20.
Material, Process of ornamenting. J. Lurie. 2,078,008; Apr. 20.
Materials and making same, Moistureproof. J. H. Collins. 2,077,400; Apr. 20.
Materials, Method and apparatus for decorating. G. von Webern. 2,077,443; Apr. 20.
Mats, Making molded. J. M. Bierer. 2,077,508; Apr. 20.
Measuring apparatus. A. Schmid. 2,078,027; Apr. 20.
Measuring instrument. E. J. Hansen. 2,078,138; Apr. 20.
Meat sawing and cutting machine, Power operated. A. J. Green and H. R. Harding. 2,077,559; Apr. 20.
Mechanism for motor vehicle brakes, Hydraulic operating. G. Farina. 2,077,748; Apr. 20.
Medical apparatus. I. B. Kronenberg. 2,078,180; Apr. 20.
Medicator. J. T. Weeks. 2,078,111; Apr. 20.
Metal and making the same, Tungsten. C. H. Braselton. 2,077,873; Apr. 20.
Metal articles, Making. L. A. Frayer. 2,077,519; Apr. 20.
Metal drawing press. R. W. Glasner. 2,077,407; Apr. 20.
Metallic surfaces, Hardening. V. E. Minich. 2,077,639; Apr. 20.
Metals, Purifying ferrous. A. B. Kinzel. 2,077,568; Apr. 20.
Meter: *See*—
Flow meter. Liquid meter.
Microphotographic apparatus with mirror-scope camera. H. Riepert. 2,077,809; Apr. 20.
Milk cooler. R. M. McIlvana. 2,077,846; Apr. 20.
Mill plant for rolling hot metal. G. G. Lloyd. 2,078,005; Apr. 20.
Mining machine. J. F. Joy. 2,077,417; Apr. 20.
Mixer: *See*—
Drink mixer. Portable mixer.
Gas mixer.
Mobile garbage and ashcan stand. R. R. Benedict. 2,078,119; Apr. 20.
Mold: *See*—
Cooling mold.
Molded artificial masses, Production of. C. Wulff and E. Dorrer. 2,077,542; Apr. 20.
Mortar compositions, Refractory. F. A. Harvey and R. E. Birch. 2,077,793; Apr. 20.
Motor: *See*—
Reversible rotary motor.
Motor brake. E. P. Larsh. 2,077,888; Apr. 20.
Motor compressor. C. B. Martin. 2,077,802; Apr. 20.
Motor compressor with free pistons. R. P. Pescara. 2,078,157; Apr. 20.
Motor control. J. A. Shepard. 2,077,904; Apr. 20.
Motorcycle. Le G. L. Jordan. 2,077,628; Apr. 20.
Motors, Construction of electric single-phase. C. Zorzi. 2,078,114; Apr. 20.
Mower cutting blade, Lawn. M. M. Waldman. 2,078,046; Apr. 20.
Nail and tack driving device. E. L. Day. 2,078,064; Apr. 20.
Nailing machine. F. R. Newell. 2,078,012; Apr. 20.
Nails, Manufacturing. E. D. Tripp. 2,077,784; Apr. 20.
Navigating instrument. J. C. Clark. 2,077,398; Apr. 20.
Nicotine derivatives. R. L. Sibley. 2,077,960; Apr. 20.
Null indicator. C. K. Gleringer. 2,077,833; Apr. 20.
Nut lock. W. N. Pesce. 2,077,953; Apr. 20.
Nut marking device. J. E. Trunk. 2,077,970–1; Apr. 20.
Odometer. H. N. Bliss. 2,077,666; Apr. 20.
Odometer. H. L. Spaunburg. 2,077,667; Apr. 20.
Offset in printing, Opposing. A. L. Grammer and W. W. Allen. 2,077,624; Apr. 20.
Oil burning apparatus. H. F. Rodler. 2,078,021; Apr. 20.
Oil firing arrangement. C. G. H. de Laval. 2,077,826; Apr. 20.
Oil, Lubricating. L. G. Story. 2,077,781; Apr. 20.
Oil or wax, Refining of sperm. W. Holwech. 2,077,837; Apr. 20.
Oil separation. E. R. Wiles. 2,078,186; Apr. 20.
Oils and making same, Drying. A. M. Collins. 2,078,194; Apr. 20.
Oleo gear. C. V. Johnson. 2,077,934; Apr. 20.
Opener, Can. W. E. Cross. 2,077,675; Apr. 20.
Organic compounds, Halogenation of. W. Engs and A. Redmond. 2,077,382; Apr. 20.
Oven and like furnace, Coke. E. Kuhl and T. Kretz. 2,077,842; Apr. 20.
Oven equipment, Coke. M. D. Curran and W. A. Sloss. 2,077,549; Apr. 20.
Oven, Gas. J. H. Windemuller. 2,078,169; Apr. 20.
Oven, Oil burner. J. N. Stanley. 2,077,777; Apr. 20.
Oxide, Production of dinaphthylene. G. R. Clemo and J. G. Cockburn. 2,077,548; Apr. 20.
Package binding tool. A. Perrelet. 2,077,491; Apr. 20.
Packing, Pump. C. C. Lenarth. 2,077,571; Apr. 20.
Pad: *See*—
Infants' play pad.
Pad of paper sheets for hanging on a wall. N. T. Beardsley. 2,077,664; Apr. 20.
Pan and material, Baking. J. G. Jackson. 2,077,757; Apr. 20.
Pan, Roll or bun baking. L. F. Siela. 2,078,102; Apr. 20.
Panel assembly, Instrument. W. A. Broyles. 2,078,121; Apr. 20.
Paper, Apparatus for the manufacture of coated. D. D. Uong. 2,077,726; Apr. 20.
Paper, Making. C. S. Hamersley. 2,077,475; Apr. 20.
Paper making machine. W. B. Campbell. 2,077,614; Apr. 20.
Paper manufacture. A. M. Brooks. 2,077,393; Apr. 20.
Paper manufacture. H. R. Rafton. 2,077,436; Apr. 20.
Paper, Multiply latex-treated. F. W. Humphner. 2,077,998; Apr. 20.
Paper pulp, Method and apparatus for beating. W. N. Sherwood. 2,078,030; Apr. 20.
Paraffin remover for oil wells. K. C. Ten Brink. 2,078,107; Apr. 20.
Paste, Dental impression. E. B. Kelly. 2,077,418; Apr. 20.
Pattern. E. E. Ring. 2,077,772; Apr. 20.
Pattern sorting device. A. H. Maschmeyer. 2,078,090; Apr. 20.
Paving construction. A. C. Fischer. 2,077,749; Apr. 20.
Pen barrel, Fountain. G. Larsen. 2,078,083; Apr. 20.
Perforating and cutting machine. A. Komow. 2,077,937; Apr. 20.
Permutation lock. E. B. Stone and L. M. Dyson. 2,078,168; Apr. 20.
Petroleum distillates, Clay treating. E. R. Smoley. 2,077,494; Apr. 20.
Petroleum emulsions, Breaking. M. De Groote. 2,077,745; Apr. 20.
Petroleum emulsions, Breaking. M. De Groote and A. F. Wirtel. 2,077,746; Apr. 20.
Photoelectric tube. A. J. McMaster. 2,077,634; Apr. 20.
Photoelectric tube. A. J. McMaster and C. E. Parson. 2,077,633; Apr. 20.
Photographic apparatus, X-ray. B. E. Luboshez. 2,077,704; Apr. 20.
Phototube. B. Salzberg. 2,077,810; Apr. 20.
Piano string system. A. E. P. Östlund and S. Gunnfors. 2,077,489; Apr. 20.
Pie crust forming, trimming, and baking machine. K. E. Bemis. 2,078,189; Apr. 20.
Pie juice retainer. G. R. Adams. 2,077,868; Apr. 20.
Pin: *See*—
Coupling pin.
Pipe fittings, Manufacturing wrought nonferrous. E. S. Cornell, Jr. 2,078,195; Apr. 20.
Pipes, Apparatus for cleaning drain. W. F. Dart. 2,077,516; Apr. 20.
Pipes, Process for connecting. R. Niederstrasser. 2,077,641; Apr. 20.
Piston. O. F. Gottlieb. 2,077,688; Apr. 20.
Piston expander. W. J. Six. 2,078,033; Apr. 20.
Plaster, Heatproofed set-stabilized gypsum. G. D. King. 2,078,199; Apr. 20.
Plaster, Set-stabilized gypsum. G. D. King. 2,078,198; Apr. 20.
Plaster, Set-stabilized gypsum. G. D. King. 2,078,200; Apr. 20.
Plate, Trolling. H. L. Johnson and W. C. Conover. 2,078,179; Apr. 20.
Plate, Welded center. A. H. Hartwig. 2,078,176; Apr. 20.
Plates, sheets, bars, or other articles through acid treatment baths, furnaces, or the like, Passing. H. S. Thomas and W. R. Davies. 2,077,499; Apr. 20.
Plug: *See*—
Spark plug.
Plug and cap connecter. S. Okino. 2,078,154; Apr. 20.
Pneumatic valve. F. W. Hall. 2,077,995; Apr. 20.
Pocket seal press. C. Priesmeyer. 2,077,853; Apr. 20.
Polymers and preparing same. W. E. Lawson and J. A. Arvin. 2,077,485; Apr. 20.
Polythiocyano esters. C. S. Hollander and W. F. Hester. 2,077,479; Apr. 20.
Polythiocyano esters. C. S. Hollander and F. E. Williams. 2,077,478; Apr. 20.
Popcorn machine. J. Parcell. 2,078,095; Apr. 20.

Porcelain composition and product, Vitreous. J. I. Bahl. 2,077,610; Apr. 20.
Porous body. H. Buchloh. 2,077,512; Apr. 20.
Portable mixer. G. S. P. de Bethune. 2,078,065; Apr. 20.
Power steering mechanism. M. H. Edmondson. 2,077,747; Apr. 20.
Power transmission. H. F. Patterson. 2,077,581; Apr. 20.
Power transmitting device. H. F. Patterson. 2,077,580; Apr. 20.
Press: *See*—
Metal drawing press. Pocket seal press.
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ISSUED APRIL 20, 1937

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62: Pl.Pt.247.
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66— 82: 2,077,778
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15: 2,077,950
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U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. M. I. Distributing Company. (See Automatic Musical Instrument Company.)

Aarons, A., & Co., Inc., New Orleans, La. Hoof oil, liniment, constipation pills for horses, etc. Serial No. 388,883; Apr. 27. Class 6.

Abraham & Straus, Inc., Brooklyn, N. Y. Corsets, brassières, girdles, etc. Serial No. 387,054; Apr. 27. Class 39.

American Anode, Inc., Wilmington, Del., and Akron, Ohio. Aqueous dispersions of rubber and/or synthetic rubber like materials. Serial No. 389,707; Apr. 27. Class 1.

American Chemical Paint Company, Ambler, Pa. Chemical preparations for coating iron and steel with copper. Serial No. 389,445; Apr. 27. Class 6.

American Locker Company, Inc., Boston, Mass. Parcel checking lockers. Serial No. 389,709; Apr. 27. Class 25.

American Merchandise Co. Inc., New York, N. Y. Needles for hand use. Serial Nos. 387,488–9; Apr. 27. Class 40.

American Oil Company, The, Baltimore, Md. Insecticide and deodorant. Serial No. 389,540; Apr. 27. Class 6.

American Thermos Bottle Company, The, Norwich, Conn. Vacuum bottles. Serial No. 389,969; Apr. 27. Class 2.

Anco Corporation, Pittsburgh, Pa. Razor blades. Serial No. 389,712; Apr. 27. Class 23.

Antonitus Laboratories. (See Stramondo, Anthony.)

Aromaseptic Company, The. (See Collins, John R.)

Aronson-Caplin Company, Inc., New York, N. Y. Slips, bloomers, petticoats, etc. Serial No. 388,752; Apr. 27. Class 39.

Askinas, I., & Son., New York, N. Y. Suits, top-coats, overcoats, etc. Serial No. 388,340; Apr. 27. Class 39.

Atmosphene Co. (See Jacobs, William P.)

Aurine Company, Inc., Chicago, Ill. Ear balsam. Serial No. 389,864; Apr. 27. Class 6.

Automatic Musical Instrument Company, doing business as A. M. I. Distributing Company, Grand Rapids, Mich. Electric massage, vacuum, pressure, atomizer, and vibrator apparatus. Serial No. 389,226; Apr. 27. Class 44.

Bakelite Corporation, New York, N. Y. Adhesives. Serial No. 376,521; Apr. 27. Class 5.

Basel, George J., doing business as Basel Co., Cleveland, Ohio. Face lotion, hair tonic, liniment, etc. Serial No. 389,110; Apr. 27. Class 6.

Bass, G. H., & Co., Wilton, Maine. Boots, shoes, slippers, etc. Serial No. 389,227; Apr. 27. Class 39.

Bay Oil Company, Inc., Providence, R. I. Range and furnace fuel oils. Serial No. 389,166; Apr. 27. Class 15.

Bellmore Neckwear Co. (See Mandel, Abraham.)

Bellows & Company, Inc., New York, N. Y. Whiskey. Serial No. 390,351; Apr. 27. Class 49.

Bethlehem Steel Company, Bethlehem, Pa. Wire, billets, blooms, etc. Serial No. 387,853; Apr. 27. Class 14.

Bethlehem Steel Company, Bethlehem, Pa. Metal pipe, bolts, nuts, etc. Serial No. 387,855; Apr. 27. Class 13.

Bethlehem Steel Company, Bethlehem, Pa. Structural shapes, structural bars, concrete reenforcing bars. Serial No. 387,856; Apr. 27. Class 12.

Bird-Alice. (See Riling, Thelma.)

Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweepers. Serial No. 389,660; Apr. 27. Class 23.

Blish Milling Company, Seymour, Ind. Wheat flour. Serial No. 389,498; Apr. 27. Class 46.

Bofinger & Klingler, Inc., San Francisco, Calif. Sweaters. Serial No. 388,634; Apr. 27. Class 39.

Botany Worsted Mills, Passaic, N. J. Woolen piece goods. Serial No. 388,757; Apr. 27. Class 42.

Bradway Chocolate Co. Inc., New Castle, Ind. Chocolate syrup. Serial No. 385,877; Apr. 27. Class 46.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes, smoking tobacco, chewing tobacco, and snuff. Serial No. 389,403; Apr. 27. Class 17.

Carborundum Company, The, Niagara Falls, N. Y. Refractory bricks, refractory shapes, refractory cements, etc. Serial No. 387,984; Apr. 27. Class 12.

Cassel Cyanide Company, Limited, The, Glasgow, Scotland. Cyanides. Serial No. 385,880; Apr. 27. Class 6.

Clopay Corporation, Cincinnati, Ohio. Window shades. Serial No. 389,406; Apr. 27. Class 32.

Clovis Trading Co. (See Goldmark, Adolph, & Sons Corp.)

Cohasset Club Beverage Co. (See Skrabsky, Lottie.)

Collins, John R., doing business as The Aromaseptic Company, Los Angeles, Calif. Antiseptic lotion. Serial No. 389,766; Apr. 27. Class 6.

Collins, John V., doing business as John V. Collins Company, Madison, Wis. Skin salve or ointment. Serial No. 388,522; Apr. 27. Class 6.

Compañía Puertorriqueña de Ron. (See Sande, José M.)

Consolidated Beverages Limited, Toronto, Ontario, Canada. Beverage. Serial No. 389,054; Apr. 27. Class 45.

Consolidated Chemical Industries, Inc., San Francisco, Calif. Fly repellent. Serial No. 386,482; Apr. 27. Class 6.

Coralite Dental Products Co. (See Uhler, Nathan.)

Cordiano Can Co., Inc., Brooklyn, N. Y. Tin cans and composite tin and paper cans. Serial No. 388,768; Apr. 27. Class 2.

Crawford Produce Company, Inc., San Benito, Tex. Fresh vegetables and fresh citrus fruits. Serial No. 389,544; Apr. 27. Class 46.

Crum, Doctor and Mrs., Indianapolis, Ind. Etheric vibrators. Serial No. 389,504; Apr. 27. Class 44.

Daggett & Ramsdell, New York, N. Y. Cleansing cream. Serial No. 382,748; Apr. 27. Class 6.

De Gouras, Paul, Atlanta, Ga. Insecticides. Serial No. 386,467; Apr. 27. Class 6.

Dictograph Products Company, Inc., New York, N. Y. Radio receiving sets, radio receiving sets combined with audible signal making attachments, and audible signal making attachments for radio receiving sets. Serial No. 385,179; Apr. 27. Class 21.

Dienst, Henry A., Columbus, Ohio. Canned fruits. Serial No. 376,266; Apr. 27. Class 46.

Diggs, Howard M., doing business as H. M. Diggs Co., New York, N. Y. Caffein tablets. Serial No. 386,015; Apr. 27. Class 6.

Donalds Limited, Inc., Jersey City, N. J. Tablets for the treatment of colds. Serial No. 384,702; Apr. 27. Class 6.

Donalds Limited, Inc., Jersey City, N. J. Tablets for the treatment of colds. Serial No. 389,409; Apr. 27. Class 6.

Dorr, Glenn B., Hartford, Conn. House organ published weekly. Serial No. 380,443; Apr. 27. Class 38.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Rubber coated fabrics, rubber sheeting, sponge rubber sheeting, etc. Serial No. 389,822; Apr. 27. Class 50.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Paint pigments. Serial No. 390,106; Apr. 27. Class 16.

Duro-Life Bearings Corporation, Chicago, Ill. Bronze castings. Serial No. 388,674; Apr. 27. Class 14.

Eastern States Farmers' Exchange, West Springfield, Mass. Paints, varnishes, and paint enamels. Serial No. 389,013; Apr. 27. Class 16.

Facts of Life, The. (See Gernsback, H.)

Ferenbach, Leon, Silk Company, Inc., The, New York, N. Y. Silk and rayon yarn. Serial No. 388,783; Apr. 27. Class 43.

Fink-Roselieve Co., Inc., New York, N. Y. Photographic preparations and photographic chemicals. Serial No. 389,175; Apr. 27. Class 6.

Fish-Schurman Corporation, New York, N. Y. Optical glass, spectacle glass, polished sheet glass, etc. Serial No. 386,799; Apr. 27. Class 33.

Fitger Brewing Company, The, Duluth, Minn. Beverages. Serial No. 389,060; Apr. 27. Class 45.

Flayfiel, Alexander, St. Augustine, Fla. Medicinal herb preparation. Serial No. 389,216; Apr. 27. Class 6.

Fletcher Laboratories, Inc., New York, N. Y. Nose and throat drops. Serial No. 385,350; Apr. 27. Class 6.

Freneau, E. S., & Company, New York, N. Y. Fabrics in the piece. Serial No. 388,134; Apr. 27. Class 42.

Friendlich, Arthur, Brooklyn, N. Y. Combined cosmetic compact and watch. Serial No. 389,788; Apr. 27. Class 27.

G. & M. Textile Co., Inc., New York, N. Y. Piece goods. Serial No. 388,153; Apr. 27. Class 42.

Garden Information Bureau. (See Vick, Edward C.)

Geiman & Birnbaum, New York, N. Y. Fur coats. Serial No. 389,242; Apr. 27. Class 39.

General Motors Corporation, Detroit, Mich. Power units. Serial No. 389,246; Apr. 27. Class 21.

General Motors Corporation, Detroit, Mich. Mechanical gearing. Serial No. 389,247; Apr. 27. Class 23.

General Printing Ink Corporation, New York, N. Y. Printing ink. Serial No. 386,944; Apr. 27. Class 11.

Gernsback, H., doing business as The Facts of Life, New York, N. Y. Monthly publication. Serial No. 388,497; Apr. 27. Class 38.

Goldmark, Adolph, & Sons Corp., doing business as Clovis Trading Co., New York, N. Y. Canned fish. Serial No. 388,979; Apr. 27. Class 46.

Gold Seal Importers, Incorporated, New York, N. Y. Ladies' hand bags. Serial No. 389,312; Apr. 27. Class 3.

Gorson Clothes, Inc., New York, N. Y. Men's overcoats and topcoats. Serial No. 397,064; Apr. 27. Class 39.

Grace, W. R., & Co., New York, N. Y. Coffee. Serial No. 377,895; Apr. 27. Class 46.

Grace, W. R., & Co., New York, N. Y. Coffee. Serial No. 377,897; Apr. 27. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Grace, W. R., & Co., New York, N. Y. Coffee. Serial No. 377,899; Apr. 27. Class 46.
Gutman, Julius, & Co., Inc., Baltimore, Md. Shirts. Serial No. 389,314; Apr. 27. Class 39.
Gutman, Julius, & Co., Inc., Baltimore, Md. Hosiery, slips, chemises, etc. Serial No. 389,358; Apr. 27. Class 39.
Hairgiene Laboratories. (See Holt, Camille B.)
Hall Hardware Company, Minneapolis, Minn. Awls, axes, bits, etc. Serial No. 376,202; Apr. 27. Class 23.
Hallicrafters, Inc., The, Chicago, Ill. Radio receiving sets. Serial Nos. 387,902–3; Apr. 27. Class 21.
Halsam Products Company, Chicago, Ill. Toy blocks. Serial No. 389,878; Apr. 27. Class 22.
Harmont Soft Light Lense Corporation, New York, N. Y. Optical lenses. Serial No. 384,036; Apr. 27. Class 26.
Harrison, Monroe, Chicago, Ill. Orange juice beverages and orange concentrates for beverage purposes. Serial No. 380,869; Apr. 27. Class 45.
Helene Marguerite. (See Robinson, Helen T.)
Henry the Hatter, Inc., Detroit, Mich. Hats and caps. Serial No. 389,179; Apr. 27. Class 39.
Herndon Fruit Company, McAllen, Tex. Fresh citrus fruits. Serial No. 389,879; Apr. 27. Class 46.
Hettrick Manufacturing Company, The, Toledo, Ohio. Gliders and chairs. Serial No. 375,211; Apr. 27. Class 32.
Hexcel Radiator Company, Racine, Wis. Automobile radiators. Serial No. 361,802; Apr. 27. Class 19.
Holcomb & Hoke Manufacturing Company, Indianapolis, Ind. Refrigerated show cases. Serial No. 389,787; Apr. 27. Class 31.
Holt, Camille B., doing business as Hairgiene Laboratories, Atlanta, Ga. Hair tonic. Serial No. 387,786; Apr. 27. Class 6.
Honeyouth Inc., Dallas, Tex. Cosmetic masque. Serial No. 389,250; Apr. 27. Class 6.
Hookless Fastener Company, Meadville, Pa. Slide fasteners. Serial No. 388,716; Apr. 27. Class 13.
House of Westmore, The, Los Angeles, Calif. Cosmetics and toilet preparations. Serial Nos. 387,069–70; Apr. 27. Class 6.
Indian River Associates, Inc., Vero Beach, Fla. Fresh citrus fruits. Serial No. 389,560; Apr. 27. Class 46.
Ingenue Inc., New York, N. Y. Lipstick and perfumes. Serial No. 389,180; Apr. 27. Class 6.
International Bedding Company, The, Baltimore, Md. Mattresses, cushions, studio couches, etc. Serial Nos. 388,448–9; Apr. 27. Class 32.
International Bedding Company, The, Baltimore, Md. Mattresses, cushions, studio couches, etc. Serial Nos. 388,451–2; Apr. 27. Class 32.
Jackson Brewing Corporation, Detroit, Mich. Beer, ale, stout, etc. Serial No. 389,183; Apr. 27. Class 48.
Jacobs, William P., doing business as Atmosphene Co., Clinton, S. C. Analgesic and sedative preparation. Serial No. 388,576; Apr. 27. Class 6.
Judkins, J. B., Company, Merrimac, Mass. Trailers. Serial No. 389,072; Apr. 27. Class 19.
Kayan Company, The. (See Tuvin, Julius H.)
Knutson, A. J., doing business as Nip and Tuck, Kansas City, Mo. Stamps. Serial No. 377,689; Apr. 27. Class 38.
Koshers, Samuel, New York, N. Y. Finger rings and mountings therefor. Serial No. 389,421; Apr. 27. Class 28.
Kraft Hat Manufacturers, Inc., New York, N. Y. Hats. Serial No. 389,464; Apr. 27. Class 39.
Kresge Department Store, Newark, Newark, N. J. Sanitary napkins, adhesive tape, absorbent cotton, etc. Serial No. 383,133; Apr. 27. Class 44.
Lakeland Highlands Cooperative Association, Highlands City, Fla. Fresh citrus fruits. Serial No. 389,790; Apr. 27. Class 46.
Larson, Leslie V., West Los Angeles, Calif. Photographic films. Serial No. 389,610; Apr. 27. Class 26.
Lehn & Fink Products Corporation, Bloomfield, N. J. Vaginal antiseptic. Serial No. 389,611; Apr. 27. Class 6.
Lelong, Lucien, Inc., Chicago, Ill. Face powder, talcum powder, perfumes and toilet water. Serial No. 388,578; Apr. 27. Class 6.
Liebmann Breweries, Inc., Brooklyn, N. Y. Knockdown cardboard receptacles. Serial No. 381,989; Apr. 27. Class 2.
Life Pharmaceutical Corporation, Cleveland, Ohio. Topical anaesthetics. Serial No. 388,945; Apr. 27. Class 6.
Lincoln Luggage Co., Inc., New York, N. Y. Luggage. Serial No. 388,990; Apr. 27. Class 3.
Lion Products Co., Lynn, Mass. Vehicle windshield defrosters. Serial No. 387,789; Apr. 27. Class 19.
London & Co., Inc., Elizabeth, N. J. Whiskey. Serial Nos. 390,075–6; Apr. 27. Class 49.
Louangel Corporation, New York, N. Y. Shaving cream in stick form. Serial No. 389,688; Apr. 27. Class 4.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 389,137; Apr. 27. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 389,140; Apr. 27. Class 46.
Lukens, C. DeWitt, Co., St. Louis, Mo. Surgical sutures. Serial No. 389,503; Apr. 27. Class 44.
Mandel, Abraham, doing business as Bellmore Neckwear Co., New York, N. Y. Neckties and mufflers. Serial No. 388,198; Apr. 27. Class 39.
Martin, Glenn L., Company, The, Baltimore and Middle River, Md. Synthetic rubber fabric tank. Serial No. 389,084; Apr. 27. Class 2.
Maxcy, L., Inc., Frostproof, Fla. Fresh citrus fruits. Serial No. 389,881; Apr. 27. Class 46.
Mayfair Coats, Inc., New York, N. Y. Women's and misses' coats and suits. Serial No. 388,788; Apr. 27. Class 39.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Nose drop and nose spray. Serial No. 389,088; Apr. 27. Class 6.
Merco Nordstrom Valve Company, Pittsburgh and Homewood, Pittsburgh, Pa. Plug valves. Serial No. 388,274; Apr. 27. Class 13.
Metaxa, Angelos S., A. S., and G. S., doing business as S. & E. & A. Metaxa, Piraeus, Greece. Brandy. Serial No. 390,022; Apr. 27. Class 49.
Midway Chemical Co., Chicago, Ill. Dust mops, polish mops, oil mops, and dusters. Serial No. 388,360; Apr. 27. Class 29.
Millville Manufacturing Company, The, Philadelphia, Pa. Cotton piece goods. Serial No. 384,130; Apr. 27. Class 42.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth and abrasive paper. Serial No. 389,646; Apr. 27. Class 4.
Modelmaker Corporation, The, Wauwatosa, Wis. Periodical. Serial No. 388,173; Apr. 27. Class 38.
Morgenstern, Felix, doing business as Morgenstern Chemical Co., New York, N. Y. Medicinal preparation. Serial No. 384,858; Apr. 27. Class 6.
Mulford Colloid Laboratories, Philadelphia, Pa. Solution of sulphur in colloidal form. Serial No. 383,401; Apr. 27. Class 6.
N. V. Organon, Oss, Netherlands. Preparations used in the treatment of abortus and habitual abrotion, achylia gastrica, acrodynia, etc. Serial No. 381,996; Apr. 27. Class 6.
Nash Engineering Company, The, South Norwalk, Conn. Automatic electric switch. Serial No. 387,342; Apr. 27. Class 21.
National Coast Products Corporation, Swedesboro, N. J. Canned dog and cat food. Serial No. 389,690; Apr. 27. Class 46.
Neuhaus, Fred G., doing business as Neuhaus Pharmacal Co., Los Angeles, Calif. Preparation for the treatment of intestinal disorders. Serial No. 389,845; Apr. 27. Class 6.
Nip and Tuck. (See Knutson, A. J.)
Noonan, T., & Sons Company, Boston, Mass. Preparations for treatment of the hair and scalp. Serial No. 389,033; Apr. 27. Class 6.
Northwest Powdered Fruit Laboratories, Inc., Yakima, Wash. Powdered and dehydrated apples. Serial No. 389,428; Apr. 27. Class 46.
Northwest Prescription Laboratories, Olympia, Wash. Preparation to be used as an aid in correcting stomach acidity. Serial No. 390,000; Apr. 27. Class 6.
Osborne, Florence, Cleveland Heights, Ohio. Perfume. Serial No. 389,328; Apr. 27. Class 6.
Oshkosh Trunks, Inc., Oshkosh, Wis. Trunks and hand luggage. Serial No. 388,510; Apr. 27. Class 3.
Ostby and Barton Company, Providence, R. I. Jewelry. Serial No. 389,469; Apr. 27. Class 28.
Pnac Chemical Corporation, The, Greensburg, Pa. Beauty clay. Serial No. 389,261; Apr. 27. Class 6.
Pabst Pharmaceutical Co., Chicago, Ill. Proprietary medicines. Serial No. 387,285; Apr. 27. Class 6.
Paragon Oil Company, Inc., Brooklyn, N. Y. Lubricating oils and greases. Serial No. 388,462; Apr. 27. Class 15.
Paramount Apparel Inc., New York, N. Y. Silk piece goods and rayon piece goods. Serial No. 387,253; Apr. 27. Class 42.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. Serial Nos. 390,180–1; Apr. 27. Class 22.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. Serial No. 390,238; Apr. 27. Class 22.
Pender, David, Grocery Company, Norfolk, Va. Salad dressing, sandwich spread, mayonnaise, etc. Serial No. 375,192; Apr. 27. Class 46.
Pepper, Jas. E., & Company, Lexington, Ky. Whiskey, brandy, gin, etc. Serial No. 390,131; Apr. 27. Class 49.
Permen Derm Products Co., Roselle Park, N. J. Medicinal preparation for treatment of athlete's foot. Serial No. 387,344; Apr. 27. Class 6.
Pratt-Low Preserving Co., Santa Clara, Calif. Canned fruits, canned vegetables, fruit juice and vegetable juice. Serial No. 381,286; Apr. 27. Class 46.
Pulver Company, Inc., Rochester, N. Y. Chewing gum. Serial No. 388,278; Apr. 27. Class 46.
Ramos, H. C., Ltd. Incorporated, New Orleans, La. Gins and alcoholic cocktails. Serial No. 385,606; Apr. 27. Class 49.
Raritan Distillers Corp., Perth Amboy, N. J. Whiskey. Serial No. 386,444; Apr. 27. Class 49.
Raritan Distillers Corp., Perth Amboy, N. J. Whiskey. Serial No. 389,749; Apr. 27. Class 49.
Regal Press, Inc., Chicago, Ill. Racing publication. Serial No. 389,154; Apr. 27. Class 38.
Rex Electric Company, Brooklyn, N. Y. Electric transformers, rheostats, resistances, and circuits. Serial No. 388,411; Apr. 27. Class 21.
Rhodes, M. H., Inc., New York, N. Y. Time-controlled devices. Serial No. 387,286; Apr. 27. Class 26.
Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y. Grease-proof paper. Serial No. 389,476; Apr. 27. Class 37.
Riegel Textile Corporation, New York, N. Y. Men's outer shirts. Serial No. 388,684; Apr. 27. Class 39.
Riling, Thelma, doing business as Bird-Alice, Dallas, Tex. Preparation for the treatment of dandruff. Serial No. 389,330; Apr. 27. Class 6.
Roach, W. R., & Company, Grand Rapids, Mich. Canned fruits and canned vegetables. Serial No. 389,436; Apr. 27. Class 46.
Robertson, H. H., Company, Pittsburgh, Pa. Protected metal articles. Serial No. 374,021; Apr. 27. Class 12.
Robinson, Helen T., doing business as Helene Marguerite, Summit, N. J. Nail cream. Serial No. 387,683; Apr. 27. Class 6.
Rochester Clothing Co. Inc., New York, N. Y. Top coats and overcoats. Serial No. 388,543; Apr. 27. Class 39.
Röhm & Haas Company, Philadelphia, Pa. Synthetic resin molding powders. Serial No. 389,570; Apr. 27. Class 1.
Rosenau Bros. Inc., Philadelphia, Pa. Dresses, rompers, and play-suits. Serial No. 389,438; Apr. 27. Class 39.
Rosenthal, E. M., Jewelry Co., Washington, D. C. Watches. Serial No. 388,801; Apr. 27. Class 27.
Rott, William J., doing business as Sis-Rose Preparations, Cicero, Ill. Cleansing creams, skin tissue builders, face powder, etc. Serial No. 388,413; Apr. 27. Class 6.
Ryerson Importers, Detroit, Mich. Woolen yarns. Serial No. 388,515; Apr. 27. Class 43.
Rykoff, S. E., & Company, Los Angeles, Calif. Whiskey, gin, rum, etc. Serial No. 390,091; Apr. 27. Class 49.
Saccone & Speed Ltd., London, England. Whisky. Serial No. 389,198; Apr. 27. Class 49.
Sande, José M., doing business as Compañía Puertorriqueña de Ron, San Juan, P. R. Rum. Serial No. 386,225; Apr. 27. Class 49.
Sandoz Chemical Works, Inc., New York, N. Y. Heterocyclic compounds. Serial No. 383,824; Apr. 27. Class 6.
Sapolin Co. Inc., New York, N. Y. Paints, paint enamels, varnishes, etc. Serial No. 389,331; Apr. 27. Class 16.
Schieffelin & Co., New York, N. Y. Brandy. Serial No. 389,571; Apr. 27. Class 49.
Schieffelin & Co., New York, N. Y. Whisky. Serial No. 389,572; Apr. 27. Class 49.
Schieffelin & Co., New York, N. Y. Rum. Serial No. 390,243; Apr. 27. Class 49.
Schieffelin & Co., New York, N. Y. Rum. Serial No. 390,342; Apr. 27. Class 49.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Antiseptic powder. Serial No. 389,267; Apr. 27. Class 6.
Scotch Products Incorporated, New York, N. Y. Clocks and watches. Serial No. 389,888; Apr. 27. Class 27.
Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Male students' suits. Serial No. 389,039; Apr. 27. Class 39.
Shannon, Arthur, Columbus, Ohio. Dietary dressing for use in cooking foods and in salads. Serial No. 389,334; Apr. 27. Class 46.
Sharon Laboratories, Incorporated, St. Paul, Minn. Hair waving pads. Serial No. 382,962; Apr. 27. Class 44.
Sheet Metal Manufacturing Company, Inc., Brooklyn, N. Y. Leaders, gutters, elbows for eaves, etc. Serial No. 389,291; Apr. 27. Class 12.
Siboney Distilling Corporation, Philadelphia, Pa. Distilled gin. Serial No. 389,481; Apr. 27. Class 49.
Simmons Brokerage Corporation, doing business as J. D. Simmons Company, Tampa, Fla. Canned grapefruit and grapefruit juice. Serial No. 388,283; Apr. 27. Class 46.
Singer, Gus, Denver, Colo. Whiskey. Serial No. 386,502; Apr. 27. Class 49.
Sis-Rose Preparations. (See Rott, William J.)
Skiles, Burton, Long Beach, Calif. Preparation for setting the waves in the hair. Serial No. 389,399; Apr. 27. Class 6.
Skrabsky, Lottie, doing business as Cohasset Club Beverage Co., Youngstown, Ohio. Carbonated beverages. Serial No. 387,402; Apr. 27. Class 45.
Skymasters, Inc., Cincinnati, Ohio. Toy telephone. Serial No. 389,531; Apr. 27. Class 22.
Sleetex Company, Inc., The, New York, N. Y. Vehicle windshield wiper blades. Serial No. 389,482; Apr. 27. Class 19.
Sno-Flake Products Company, Detroit, Mich. Shoe polish and cleaner. Serial No. 389,802; Apr. 27. Class 4.
Southern Friction Materials Company, Charlotte, N. C. Brake fluid and shock absorber fluid. Serial No. 389,385; Apr. 27. Class 6.
Standard Milling Company, New York, N. Y. Wheat flour. Serial No. 389,756; Apr. 27. Class 46.
Standard Oil Company of New Jersey, Wilmington, Del. Oils and lubricating greases. Serial No. 377,027; Apr. 27. Class 15.
Standard Parts Co. (See Wiebke, August.)
Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Sinks, sink cabinets, and fittings therefor. Serial No. 388,030; Apr. 27. Class 13.
Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Bathtubs and fittings therefor. Serial No. 388,031; Apr. 27. Class 13.
Stephen-Rajkl, Inc., Cleveland, Ohio. Cravats. Serial No. 388,469; Apr. 27. Class 39.
Stephens Products Co. Inc., New York and Long Island City, N. Y. Toy gun which projects pictures. Serial No. 388,287; Apr. 27. Class 22.
Stevens, Arthur I., Detroit, Mich. Cleansing cream, foundation cream, skin and tissue cream, etc. Serial No. 373,320; Apr. 27. Class 6.
Stewart-Warner Corporation, Chicago, Ill. Lubricating oils and greases. Serial No. 389,488; Apr. 27. Class 15.
Stickney & Poor Spice Co., Charlestown (Boston District), Mass. Baking powder. Serial No. 389,663; Apr. 27. Class 46.
Stramondo, Anthony, doing business as Antonitus Laboratories, Providence, R. I. Hair tonics, face lotions, and face creams. Serial No. 382,399; Apr. 27. Class 6.
Sunbeam Laboratories, Los Angeles, Calif. Finger nail preserver and tonic, nail polishes, nail polish remover, etc. Serial No. 388,808; Apr. 27. Class 6.
Taylor, W. A., & Company, New York, N. Y. Rum. Serial No. 390,477; Apr. 27. Class 49.
Thayer, Charles A., doing business as The Thayer Chemical Co., Topeka, Kans. Liquid medicinal preparation. Serial No. 386,052; Apr. 27. Class 6.
Thompkins, Stuart C., doing business as Stuart C. Thompkins & Co., San Francisco, Calif. Soy sauce, rice, tea, etc. Serial No. 388,964; Apr. 27. Class 46.
Truscon Laboratories, Inc., Detroit, Mich. Paints and paint enamels. Serial No. 388,155; Apr. 27. Class 16.
Tuvin, Julius H., doing business as The Kayan Company, New York, N. Y. Laxative preparation. Serial No. 389,443; Apr. 27. Class 6.
Uhler, Nathan, doing business as Coralite Dental Products Co., Chicago, Ill. Chemical compound used to repair all types of dentures and false teeth. Serial No. 388,156; Apr. 27. Class 44.
United-Carr Fastener Corporation, Cambridge, Mass. Handbag frames, purse frames, and ornaments. Serial No. 385,654; Apr. 27. Class 3.
United Cigar-Whelan Stores Corporation, New York, N. Y. Golf balls. Serial No. 390,144; Apr. 27. Class 22.
V. C. Products Company, Inc., Philadelphia, Pa. Abrasive scouring preparation. Serial No. 389,489; Apr. 27. Class 4.
Vail & Bunting, Hamilton, Ohio. Insecticide. Serial No. 389,389; Apr. 27. Class 6.
Vick, Edward C., doing business as Garden Information Bureau, Newark, N. J. Pamphlet publications. Serial No. 388,335; Apr. 27. Class 38.
Wason Bros. Co. Inc., Seattle, Wash. Coffee. Serial No. 382,251; Apr. 27. Class 46.
Wasp Pen Co. Inc., The, Fort Madison, Iowa. Fountain pens, mechanical pencils, and combination pens and pencils. Serial No. 389,390; Apr. 27. Class 37.
Watson Company, The, Attleboro, Mass. Flatware and hollowware. Serial No. 389,339; Apr. 27. Class 28.
Weiss-Patinkin Company, Chicago, Ill. Soft baseballs. Serial No. 390,032; Apr. 27. Class 22.
Well Made Bloomer Co., Inc., Brooklyn, N. Y. Sport shirts. Serial No. 389,340; Apr. 27. Class 39.
Whitday, Inc., Chicago, Ill. Cements and adhesive plastics. Serial No. 387,610; Apr. 27. Class 12.
Wiebke, August, doing business as Standard Parts Co., Los Angeles, Calif. Machines for expanding pistons and the like. Serial No. 389,626; Apr. 27. Class 23.

LIST OF REGISTRANTS OF TRADE-MARKS

Abraham & Straus, Inc., Brooklyn, N. Y. Blouses. 345,559; Apr. 27. Class 39.
Agfa Ansco Corporation, Binghamton, N. Y. Photographic cameras. 345,512; Apr. 27; Serial No. 386,839; published Feb. 16, 1937. Class 26.
Albert Richard Company, Milwaukee, Wis. Coats, jackets, blazers, etc. 345,552; Apr. 27. Class 39.
Allegheny County Workhouse and Inebriate Asylum, Blawnox, Pa. Brooms. 345,474; Apr. 27; Serial No. 386,282; published Feb. 16, 1937. Class 20.

Alvita Products Company. (See Willis, Glenn B.)
American Agricultural Chemical Company, The, New York, N. Y. Fertilizers. 345,502; Apr. 27; Serial No. 386,714; published Feb. 16, 1937. Class 10.
American Dyeing Corporation, Rockville, Conn. Silk and rayon piece goods. 345,495; Apr. 27; Serial No. 386,627; published Feb. 16, 1937. Class 42.
American Record Corporation, New York, N. Y. Phonograph records and record blanks. 345,518; Apr. 27; Serial No. 386,882; published Feb. 16, 1937. Class 36.
Anaheim Citrus Fruit Association, Anaheim, Calif. Oranges. 118,136; renewed Aug. 21, 1937.
Anchor Duck Mills, Rome, Ga., and Boston, Mass. Laundry net bags. 345,487; Apr. 27; Serial No. 386,474; published Feb. 16, 1937. Class 24.
Armstrong Packing Company, assignor to Armstrong Packing Company, Dallas, Tex. Salad-oil. 117,733; renewed July 31, 1937.
Atlas Brewing Company, Chicago, Ill. Beer. 345,387; Apr. 27; Serial No. 380,858; published Feb. 16, 1937. Class 48.
Austin, Nichols & Co., Inc., Brooklyn, N. Y. Whiskey. 345,446; Apr. 27; Serial No. 385,772; published Feb. 16, 1937. Class 49.
Automatic Burner Corporation, Chicago, Ill. Oil burners and parts. 345,513; Apr. 27; Serial No. 386,842; published Feb. 16, 1937. Class 34.
Baker Brush Co., Inc., New York, N. Y. Paint brushes. 345,519; Apr. 27; Serial No. 386,884; published Feb. 16, 1937. Class 29.
Banks, Al A., doing business as Lyk-Nu Company, New York, N. Y. Furniture and automobile polish. 345,403; Apr. 27; Serial No. 383,459; published Feb. 16, 1937. Class 16.
Bauer Type Foundry, Inc., The, New York, N. Y. Type faces. 345,507–9; Apr. 27; Serial No. 386,786–8; published Feb. 16, 1937. Class 14.
Beanmart, Inc., Bridgeport, Conn., assignor to Oldetyme Distillers, Inc., New York, N. Y. Gin, whiskey, and brandy. 345,359; Apr. 27; Serial No. 366,976; published Aug. 13, 1935. Class 49.
Bené, John, & Sons Inc., doing business as National Peroxide Company, Brooklyn, N. Y. Peroxid. 118,145; renewed Aug. 21, 1937.
Berkowitz, Louis, doing business as Supreme Jr. Coat Co., New York, N. Y. Coats and suits. 345,506; Apr. 27; Serial No. 386,756; published Feb. 9, 1937. Class 39.
Bersin Playthings, Inc., New York, N. Y. Games and toys. 345,401; Apr. 27; Serial No. 383,343; published Feb. 16, 1937. Class 22.
Bethlehem Steel Company, Bethlehem, Pa. Coated telephone wire. 345,467; Apr. 27; Serial No. 386,144; published Feb. 16, 1937. Class 21.
Birnbach Radio Co., Inc., New York, N. Y. Radio receivers and parts. 345,408; Apr. 27; Serial No. 384,024; published Feb. 16, 1937. Class 21.
Boydstun, Ira S., Fort Worth, Tex. Eatable containers. 345,360; Apr. 27; Serial No. 366,979; published Feb. 9, 1937. Class 46.
Braun, Karl A., doing business as Wilhelm Herwig, Markneukirchen, Germany. Flutes, mandolins, lutes, etc. 345,377; Apr. 27; Serial No. 379,169; published Feb. 16, 1937. Class 36.
Brod, Meyer, doing business as Brodmoor Frocks, Chicago, Ill. Dresses. 345,496; Apr. 27; Serial No. 386,631; published Feb. 16, 1937. Class 39.
Brodmoor Frocks. (See Brod, Meyer.)
Brown-Murray Co., Inc., Pittsburgh, Pa. Peanuts. 345,482; Apr. 27; Serial No. 386,399; published Feb. 9, 1937. Class 46.
Bruckmann Company, The, Cincinnati, Ohio. Beer and ale. 345,469; Apr. 27; Serial No. 386,200; published Feb. 16, 1937. Class 48.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Electrically refrigerated beverage coolers. 345,478; Apr. 27; Serial No. 386,337; published Feb. 16, 1937. Class 31.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard chalk. 345,479; Apr. 27; Serial No. 386,342; published Feb. 16, 1937. Class 22.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Masking tape. 345,480; Apr. 27; Serial No. 386,352; published Feb. 16, 1937. Class 5.
Buckingham & Hecht, San Francisco, Calif. Boots, shoes, and slippers. 117,413; renewed July 10, 1937.
Burgess, C. F., Laboratories, Inc., Chicago, Ill. Granular mineral material. 345,414; Apr. 27; Serial No. 384,368; published Feb. 16, 1937. Class 31.
Burton & Davis Co., assignor to Wallace, Burton & Davis Co. Inc., New York, N. Y. Foods. 117,825; renewed Aug. 7, 1937.
Cain, John M., doing business as Florida Distributing Company, West Palm Beach, Fla. Wax polish. 345,421; Apr. 27; Serial No. 384,841; published Feb. 16, 1937. Class 16.
Candyland Vendors, Incorporated, Seattle, Wash. Vending machines. 345,378; Apr. 27; Serial No. 379,418; published Feb. 16, 1937. Class 23.
Capital City Dairy Company, by change of name to The Capital City Products Company, Columbus, Ohio. Oleomargarin. 118,463; renewed Sept. 11, 1937.
Carbide and Carbon Chemicals Corporation, New York, N. Y. Anti-freeze compounds. 345,488; Apr. 27; Serial No. 386,479; published Feb. 16, 1937. Class 6.
Cassimatis, Irineos, Gary, Ind. Candles. 345,503; Apr. 27; Serial No. 386,723; published Feb. 9, 1937. Class 15.
Caterpillar Tractor Co., San Leandro, Calif. Tractors, planers, scarifiers, etc. 345,499; Apr. 27; Serial No. 386,675; published Feb. 16, 1937. Class 23.
Caulk, L. D., Company, The, Milford, Del. Dental impression trays. 345,432; Apr. 27; Serial No. 385,434; published Feb. 16, 1937. Class 44.
Cavignac, Frank H., Associates, Glendale, Long Island, N. Y. Golf balls, golf clubs, and golf bags. 345,436; Apr. 27; Serial No. 385,559; published Feb. 16, 1937. Class 22.
Cela Holding S. A., Luxembourg, Luxembourg and Paris, France. Power transmission belts, fan belts, mechanical driving cables, etc. 345,409; Apr. 27; Serial No. 384,027; published Feb. 16, 1937. Class 35.
Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 345,433; Apr. 27; Serial No. 385,435; published Feb. 16, 1937. Class 46.
Century Lighting, Inc., New York, N. Y. Electrically operated light projectors. 345,457; Apr. 27; Serial No. 385,971; published Feb. 16, 1937. Class 21.
Chancy Toy & Novelty Corp., Brooklyn, N. Y. Leather holster for regulation firearms. 345,367; Apr. 27; Serial No. 374,126; published Feb. 16, 1937. Class 9.
Charles & Co., New York, N. Y. Whiskey. 345,483; Apr. 27; Serial No. 386,403; published Feb. 16, 1937. Class 49.
Chejlavá, Magdalena, Chicago, to Magdalena Chejlavá, Cicero, Ill. Salve. 115,490; renewed Feb. 20, 1937.
Clark Thread Company, The, Newark, N. J. Crochet hooks or needles. 115,940; renewed Mar. 27, 1937.
Clark Thread Company, The, Newark, N. J. Crochet hooks or needles. 116,597; renewed May 15, 1937.
Commonwealth Brewing Corporation, Springfield, Mass. Malt beverage. 345,541; Apr. 27. Class 48.
Communication Engineers, Inc., Seattle, Wash. Sensitive electrical pickup devices for amplifying sounds. 345,510; Apr. 27; Serial No. 386,791; published Feb. 16, 1937. Class 21.
Continental Foods Corporation, Los Angeles, Calif. Baked beans. 345,529; Apr. 27; Serial No. 387,115; published Feb. 16, 1937. Class 46.
Continental Pure Products Co. (See Polefsky, Jacob S.)
Cook, Lucius P., doing business as L. P. Cook, Memphis, Tenn. Stock and poultry feed. 345,452; Apr. 27; Serial No. 385,832; published Feb. 16, 1937. Class 46.
Corn Products Refining Company, New York, N. Y. Dextrose tablets in the nature of confectionery. 345,526–7; Apr. 27; Serial Nos. 387,033–4; published Feb. 16, 1937. Class 46.
Crane Co., Chicago, Ill. Kitchen sinks, lavatories, bathtubs, etc. 345,388; Apr. 27; Serial No. 381,191; published Feb. 16, 1937. Class 13.
Crowell Publishing Company, The, New York, N. Y. Series of books. 345,560; Apr. 27. Class 38.
Cutler-Hammer, Inc., Milwaukee, Wis. Electrical control apparatus, electrical machines, and electrical supplies, etc. 345,447; Apr. 27; Serial No. 385,779; published Feb. 16, 1937. Class 21.
Darling & Company, Chicago, Ill. Fertilizers. 117,838; renewed Aug. 7, 1937.
Darling & Company, Chicago, Ill. Prepared animal and poultry foods. 118,391; renewed Sept. 4, 1937.
Daroff, H., & Sons, Inc., Philadelphia, Pa. Suits, trousers, top-coats, etc. 345,365; Apr. 27; Serial No. 372,962; published Feb. 16, 1937. Class 39.
De Beer, J., & Son, Albany, N. Y. Soft balls, playground balls, indoor balls, etc. 345,558; Apr. 27. Class 22.
Deutscher & Bloom, Brooklyn, N. Y. Hats and caps, haberdashery. 345,556; Apr. 27. Class 39.
Dingfelder & Balish, New York, N. Y. Potatoes. 345,426; Apr. 27; Serial No. 385,250; published Feb. 16, 1937. Class 46.
Dixie Fisheries, Incorporated, Biloxi, Miss. Canned oysters and shrimp. 345,383; Apr. 27; Serial No. 380,263; published Feb. 9, 1937. Class 46.
Dixie Stores, Incorporated, Greenville, S. C. Plain and self-rising wheat flour. 345,397; Apr. 27; Serial No. 383,087; published Feb. 16, 1937. Class 46.
Dow Chemical Company, The, Midland, Mich. Insecticidal mineral oil preparations. 345,550; Apr. 27. Class 6.
Dritz-Traum Company, New York, N. Y. Shelf edging and shelf covering. 345,410; Apr. 27; Serial No. 384,030; published Feb. 16, 1937. Class 20.
Earle-Chesterfield Mill Co., Asheville, N. C. Wheat flour. 345,489; Apr. 27; Serial No. 386,486; published Feb. 9, 1937. Class 46.
Educational Enterprises, Chicago, Ill. Game or toy building discs. 345,437; Apr. 27; Serial No. 385,569; published Feb. 16, 1937. Class 22.
Edwards, Henry J., doing business as Whippet Blade Co., Boston, Mass. Safety razor blades. 345,356; Apr. 27; Serial No. 357,047; published Feb. 16, 1937. Class 23.
Ehrlich, Fred S., Los Angeles, Calif. Raw coffee and coffee kernels. 345,497; Apr. 27; Serial No. 386,638; published Feb. 16, 1937. Class 46.

Eichwald, Jacob, New York, N. Y. Dresses and blouses. 345,385; Apr. 27; Serial No. 380,444; published Feb. 9, 1937. Class 39.
Electric Storage Battery Company, The, Philadelphia, Pa. Electric storage batteries or accumulators, their parts and supplies. 115,849; renewed Mar. 13, 1937.
Eugene, Limited, New York, N. Y. Permanent wave contactors and permanent wave supplies. 345,501; Apr. 27; Serial No. 386,706; published Feb. 16, 1937. Class 44.
Evansville Brewing Assn., assignor to Sterling Brewers, Inc., Evansville, Ind. Brewed malt non-intoxicating beverage. 117,653; renewed July 24, 1937.
Everite Knitting Mills, Inc., New York, N. Y. Polo shirts, blouses, underwear. 345,484; Apr. 27; Serial No. 386,421; published Feb. 9, 1937. Class 39.
Fabien, R., & Company, assignor to R. Fabien & Co. Inc., New York, N. Y. Macaroni, spaghetti, and vermicelli. 117,536; renewed July 17, 1937.
Farnsworth Television Incorporated, San Francisco, Calif. Radio transmitting and receiving sets, television transmitting and receiving sets, etc. 345,420; Apr. 27; Serial No. 384,741; published Feb. 16, 1937. Class 21.
Fitzgerald, Gilbert F., doing business as 20th Century Candy Co., Milwaukee, Wis. Candies and salted nuts. 345,453; Apr. 27; Serial No. 385,838; published Feb. 9, 1937. Class 46.
Florida Cane Products Corporation, Miami, Fla. Gin. 345,468; Apr. 27; Serial No. 386,156; published Feb. 16, 1937. Class 49.
Florida Distributing Company. (See Cain, John M.)
Florida Leaky Roof Paint Company, Bradenton, Fla. Paint paste. 345,399; Apr. 27; Serial No. 383,301; published Feb. 16, 1937. Class 16.
Frank & Meyer Neckwear Company, St. Louis, Mo. Neckwear. 345,438; Apr. 27; Serial No. 385,574; published Feb. 9, 1937. Class 39.
Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 345,481; Apr. 27; Serial No. 386,365; published Feb. 16, 1937. Class 49.
Garcia, Juan A., Jr., doing business as Garcia's Fine Chile, Albuquerque, N. Mex. Canned chile. 345,434; Apr. 27; Serial No. 385,438; published Feb. 9, 1937. Class 46.
General Mills, Inc., Minneapolis, Minn. Flour. 345,498; Apr. 27; Serial No. 386,645; published Feb. 16, 1937. Class 46.
General Printing Ink Corporation, New York, N. Y. Varnish. 345,522; Apr. 27; Serial No. 386,943; published Feb. 16, 1937. Class 16.
Gitelson, Nehemiah & Sons, New York, N. Y. Textile fabrics. 345,553; Apr. 27. Class 42.
Goldberger, Lee J., New York, N. Y. Dresses, blouses, and jumpers. 345,449–50; Apr. 27; Serial Nos. 385,787–8; published Feb. 9, 1937. Class 39.
Goldsmith Bros., New York, N. Y. Golf balls. 345,435; Apr. 27; Serial No. 385,517; published Feb. 16, 1937. Class 22.
Goodman, A., & Sons, Inc., New York, N. Y. Noodles. 345,424; Apr. 27; Serial No. 385,094; published Feb. 9, 1937. Class 46.
Goyer Company, The, Greenville, Miss. Coffee. 345,373; Apr. 27; Serial No. 377,920; published Feb. 16, 1937. Class 46.
Grauer, F. M., & Co., Inc., Philadelphia, Pa. Ladies' hosiery, men's and boys' hose, golf hose, etc. 345,536; Apr. 27; Class 39.
Gritz, Harry, doing business as Harry Gritz Liquor Store, Washington, D. C. Whiskey. 345,448; Apr. 27; Serial No. 385,786; published Feb. 16, 1937. Class 49.
Hall Hardware Company, Minneapolis, Minn. Paints and varnishes. 345,391; Apr. 27; Serial No. 381,937; published Feb. 16, 1937. Class 16.
Hall Hardware Company, Minneapolis, Minn. Radio tubes. 345,392; Apr. 27; Serial No. 381,938; published Feb. 16, 1937. Class 21.
Harris, P. E., & Company, Inc., Seattle, Wash. Canned salmon. 117,139; renewed June 19, 1937.
Hastings, Arthur C., Jr., doing business as The Oano Company, Boston, Mass. Spark plugs. 345,520; Apr. 27; Serial No. 386,896; published Feb. 16, 1937. Class 21.
Heddon's, James, Sons, Dowagiac, Mich. Fishing rods, parts thereof, and cases therefor, artificial baits, etc. 345,384; Apr. 27; Serial No. 380,352; published Feb. 16, 1937. Class 22.
Helmers, Rodolfo, Mexico, D. F., Mexico. Tennis rackets, palettes, baseball bats, etc. 345,419; Apr. 27; Serial No. 384,707; published Feb. 16, 1937. Class 22.
Herwig, Wilhelm. (See Braun, Karl A.)
Hills Brothers Company, The, New York, N. Y. Canned baked apples. 345,454; Apr. 27; Serial No. 385,886; published Feb. 9, 1937. Class 46.
Hitchcock Pecan Co., Galveston, Tex. Chopped mixed nuts. 345,425; Apr. 27; Serial No. 385,096; published Feb. 9, 1937. Class 46.
Hofscher, William H., Wilkinsburg, Pa. Game board. 345,366; Apr. 27; Serial No. 373,216; published Feb. 16, 1937. Class 22.
Holeproof Hosiery Co., Milwaukee, Wis. Underwear for women. 345,470; Apr. 27; Serial No. 386,255; published Feb. 16, 1937. Class 39.
Holyoke Wholesale Grocery Co., Inc., Holyoke, Mass. Canned vegetables. 345,530; Apr. 27; Serial No. 387,129; published Feb. 16, 1937. Class 46.
Home Health Library, Inc., New York, N. Y. Magazine. 345,370; Apr. 27; Serial No. 376,587; published Feb. 9, 1937. Class 38.
Home Manufacturing Company. (See McEvoy, John H.)
Humoco Corporation, Louisville, Ky. Containers, packages, bags, etc. 345,411; Apr. 27; Serial No. 384,083; published Feb. 16, 1937. Class 2.
Ideal Novelty & Toy Company, Long Island City, N. Y. Dolls, costumes for dools, parts of costumes for dolls, etc. 345,532; Apr. 27; Serial No. 386,161; published Feb. 16, 1937. Class 22.
Ideal Roller & Manufacturing Company, Chicago, Ill. Composition rollers. 345,405–7; Apr. 27; Serial Nos. 383,738–40; published Feb. 16, 1937. Class 23.
India Rubber Company, New Brunswick, N. J., and New York, N. Y., assignor to United States Rubber Company, New York, N. Y. Hard-rubber acid-conducting pipes. 116,767; renewed May 22, 1937.
International Pulp Company, New York, N. Y. Preparation of ground and pulverized minerals. 345,379; Apr. 27; Serial No. 379,617; published Aug. 18, 1936. Class 1.
Jadwiga Remedies, Inc., Brooklyn, N. Y. Rubbing liniment. 345,551; Apr. 27. Class 6.
Johnson, S. C., & Son, Inc., Racine, Wis. Wax and lacquer. 345,368; Apr. 27; Serial No. 374,667; published Feb. 16, 1937. Class 16.
Josef Knitted Fabrics, Inc., New York, N. Y. Piece goods. 345,471; Apr. 27; Serial No. 386,258; published Feb. 16, 1937. Class 42.
Katz, Abe M., Company, Robstown, Tex. Fresh vegetables. 345,534; Apr. 27; Serial No. 387,189; published Feb. 16, 1937. Class 46.
Kentucky Wagon Manufacturing Co., to Kentucky Manufacturing Corporation, Louisville, Ky., successor. Gasolene-trucks. 117,447; renewed July 10, 1937.
Keystone Varnish Company, Brooklyn, N. Y. Enamel paints and varnish. 118,049; renewed Aug. 14, 1937.
King Features Syndicate, Inc. (See Star Company, assignor.)
Kinsey Distilling Company, Philadelphia, Pa. Whiskey. 345,548; Apr. 27. Class 49.
Kirby, Block & Fischer, Inc., New York, N. Y. Shirts. 345,544; Apr. 27. Class 39.
Kohn, David, New York, N. Y. Games. 345,428; Apr. 27; Serial No. 385,295; published Feb. 16, 1937. Class 22.
Korn, Wm., Inc., New York, N. Y. Lithographic rubbing ink, lithographic liquid tusche, lithographic transfer ink, etc. 345,523; Apr. 27; Serial No. 386,952; published Feb. 16, 1937. Class 11.
Kremer-Plantations, Inc., New York, N. Y. Chocolate syrups. 345,549; Apr. 27. Class 46.
Kress, S. H., and Company, New York, N. Y. Hosiery. 116,902–3; renewed June 5, 1937.
Laird and Company, Scobeyville and Eatontown, N. J. Brandy. 345,440–1; Apr. 27; Serial Nos. 385,670–1; published Feb. 16, 1937. Class 49.
Lehman, Herman, New York, N. Y. Watches, watch cases, watch parts ,etc. 345,472; Apr. 27; Serial No. 386,261; published Feb. 16, 1937. Class 27.
Lewin, A. M., Lumber Co., The, Cincinnati, and Madisonville, Cincinnati, Ohio. Display racks. 345,362; Apr. 27; Serial No. 370,384; published Feb. 16, 1937. Class 32.
Link, Martin, Milltown, N. J. Oil burners. 345,555; Apr. 27. Class 34.
Linker & Herbert, Inc., New York, N. Y. Woolen and wool mixture fabrics in the piece. 345,524; Apr. 27; Serial No. 386,955; published Feb. 16, 1937. Class 42.
Loudonville Milling Company, The. (See Modern Flour Mills, assignor.)
Loungewear Inc., New York, N. Y. Negligees, costume slips, shorts for underwear, etc. 345,458; Apr. 27; Serial No. 385,985; published Feb. 16, 1937. Class 39.
Lowe Brothers Company, The, assignor, by mesne assignments, to The Lowe Brothers Company, Dayton, Ohio. Ready-mixed paints. 115,642; renewed Feb. 27, 1937.
Lowenfels, Frederick F., & Son, New York, N. Y. Glass butter dish and cover. 345,395; Apr. 27; Serial No. 382,756; published Feb. 16, 1937. Class 33.
Lyk-Nu Company. (See Banks, Al A.)
Mallinson Fabrics Corporation, New York, N. Y. Fabrics. 345,413; Apr. 27; Serial No. 384,214; published Feb. 16, 1937. Class 42.
Marin, Manuel, & Company, Mayaguez, P. R. Rum. 345,537–8; Apr. 27. Class 49.
Marlin Firearms Company, The, New Haven, Conn. Safety razor blades. 345,427; Apr. 27; Serial No. 385,266; published Feb. 16, 1937. Class 23.
Marshall Field & Company, Chicago, Ill. Women's and children's coats and dresses. 345,443; Apr. 27; Serial No. 385,728; published Feb. 16, 1937. Class 39.
Massachusetts Distributors, Incorporated, Boston, Mass. Magazine. 345,431; Apr. 27; Serial No. 385,416; published Feb. 9, 1937. Class 38.
McCurrach Organization Incorporated, New York, N. Y. Neckties and mufflers. 345,514; Apr. 27; Serial No. 386,866; published Feb. 9, 1937. Class 39.
McCurrach Organization Incorporated, New York, N. Y. Neckties and mufflers. 345,531; Apr. 27; Serial No. 387,139; published Feb. 16, 1937. Class 39.

McEvoy, John H., doing business as Home Manufacturing Company, Decatur, Ill. Ladies' house dresses. 345,390; Apr. 27; Serial No. 381,508; published Feb. 16, 1937. Class 39.
Menasha Wooden Ware Corporation, Menasha, Wis. Wooden containers. 345,455; Apr. 27; Serial No. 385,894; published Feb. 16, 1937. Class 2.
Metallic Products Company, Incorporated, Camden, N. J. Paints and varnishes. 345,418; Apr. 27; Serial No. 384,664; published Feb. 16, 1937. Class 16.
Meyer, Geo. J., Manufacturing Co., Cudahy, Wis. Machines to pasteurize or cook foods and beverages. 345,412; Apr. 27; Serial No. 384,162; published Feb. 16, 1937. Class 23.
Meyers, Louis, & Son, assignors to Louis Meyers & Son, assignor, by mesne assignments, to Louis Meyers & Son, Inc., New York, N. Y. Leather gloves. 118,070–1; renewed Aug. 14, 1937.
Michael, John M., to Florence M. Pusey, Aberdeen, Md. successor. Canned vegetables. 118,554; renewed Sept. 18, 1937.
Midway Chemical Company, Chicago, Ill. Mops. 345,361; Apr. 27; Serial No. 370,011; published Feb. 16, 1937. Class 29.
Milwaukee Cheese Company, Milwaukee, Wis. Cheese. 345,535; Apr. 27. Class 46.
Missouri Mill & Elevator Co. (See Washburn Crosby Company.)
Mitchell & Weber, Inc., New York, N. Y. Blouses and dresses. 345,554; Apr. 27. Class 39.
Mitchell & Weber, Inc., New York, N. Y. Blouses and dresses. 345,557; Apr. 27. Class 39.
Mitsubishi Shoji Kaisha, Ltd., Tokyo, Japan, New York, N. Y., San Francisco, Calif., and Seattle, Wash. Canned fish, fruits, and vegetables of all kinds, etc. 345,386; Apr. 27; Serial No. 380,456; published Feb. 9, 1937. Class 46.
Modern Flour Mills, Macon, Ga., assignor to The Loudonville Milling Company, Loudonville, Ohio. Self-rising wheat-flour. 117,773; renewed July 31, 1937.
Monark Battery Company, Inc., Chicago, Ill. Storage batteries for automobiles. 345,515; Apr. 27; Serial No. 386,867; published Feb. 16, 1937. Class 21.
Monsanto Chemical Company, St. Louis, Mo. Materials adapted to promote and accelerate the drying of siccative oils and siccative oil containing compositions. 345,381; Apr. 27; Serial No. 379,968; published Feb. 16, 1937. Class 16.
Moore, Frank W., Redlands, Calif. Fresh citrus fruit, and citrus juices. 345,451; Apr. 27; Serial No. 385,797; published Feb. 16, 1937. Class 46.
Mount Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton duck. 116,442–3; renewed May 1, 1937.
National Ideal Company, The, Toledo, Ohio. Brooders, feeding and watering receptacles, etc. 345,375; Apr. 27; Serial No. 377,991; published Feb. 16, 1937. Class 50.
National Peroxide Company. (See Bené, John, & Sons Inc.)
New England Whiting Company, East Boston, Mass. Paint in dry form. 345,500; Apr. 27; Serial No. 386,686; published Feb. 16, 1937. Class 16.
Niblack, H. D., doing business as Dr. Niblack Laboratories, Denver, Colo. Electric diagnostic machines. 345,404; Apr. 27; Serial No. 383,594; published Feb. 16, 1937. Class 44.
Norris Incorporated, Atlanta, Ga. Candy. 345,429; Apr. 27; Serial No. 385,302; published Feb. 16, 1937. Class 46.
North Jersey Oil Corporation, Bloomfield, N. J. Gasoline, lubricating oils and greases. 345,355; Apr. 27; Serial No. 357,021; published Feb. 2, 1937. Class 15.
Nu-Texture Company. (See Rathus, Max.)
Oano Company, The. (See Hastings, Arthur C., Jr.)
Odora Company, Inc., New York, N. Y. Corrugated pasteboard knock-down cabinets for clothing. 345,376; Apr. 27; Serial No. 379,008; published Feb. 16, 1937. Class 2.
Ohio Brass Company, The, Mansfield, Ohio. Trolley-wire clamps. 115,861; renewed Mar. 13, 1937.
Oldetyme Distillers, Inc. (See Beaumart, Inc., assignor.)
Ox Fibre Brush Company, New York, N. Y., and Frederick, Md. Clothes brushes. 345,490; Apr. 27; Serial No. 386,496; published Feb. 16, 1937. Class 29.
Paint Products, Inc., Minneapolis, Minn. Paint size. 345,542; Apr. 27. Class 16.
Parke, Davis & Co., Detroit, Mich. Peptic coagulant. 116,082; renewed Apr. 3, 1937.
Passmore, Everett L., doing business as Red Arrow Products Co., Philadelphia, Pa. Spark plugs. 345,444; Apr. 27; Serial No. 385,746; published Feb. 16, 1937. Class 21.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Girls' middies, gym shorts, gym shirts, etc. 345,445; Apr. 27; Serial No. 385,748; published Feb. 9, 1937. Class 39.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Hosiery. 345,528; Apr. 27; Serial No. 387,049; published Feb. 16, 1937. Class 39.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 345,477; Apr. 27; Serial No. 386,333; published Feb. 16, 1937. Class 46.
Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. 345,543; Apr. 27. Class 49.
Prestole Devices, Inc., Detroit, Mich. Locking plates for holding screws in sheet metal. 345,475; Apr. 27; Serial No. 386,318; published Feb. 16, 1937. Class 13.
Procter & Gamble Company, The, Cincinnati, Ohio. Cooking-fat. 117,704; renewed July 24, 1937.
Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth brushes. 345,357; Apr. 27; Serial No. 358,653; published Apr. 30, 1935. Class 29.
Pusey, Florence M. (See Michael, John M.)
Quintero, B., & Co., New York, N. Y. Chocolate flavored malt in powdered form. 345,415; Apr. 27; Serial No. 384,437; published Feb. 9, 1937. Class 46.
Rahmann, Arthur H., doing business as Geo. Rahmann & Co., New York, N. Y. Leather belting. 345,460; Apr. 27; Serial No. 385,991; published Feb. 16, 1937. Class 35.
Ralco Undergarment Corp., New York, N. Y. Slips. 345,459; Apr. 27; Serial No. 385,990; published Feb. 16, 1937. Class 39.
Rapaport, David B., doing business as Rapaport Brothers, Chicago, Ill. Toy apparatus and materials. 345,485; Apr. 27; Serial No. 386,443; published Feb. 16, 1937. Class 22.
Rapid Electrotype Co., The, Cincinnati, Ohio. Matrix or flong used in stereotyping. 345,539–40; Apr. 27. Class 50.
Rathus, Max, doing business as Nu-Texture Company, St. Albans, N. Y. Painters' stippling and servicing brushes and sponges. 345,372; Apr. 27; Serial No. 377,231; published Feb. 16, 1937. Class 29.
Read-O-Desk Co. (See Urdang, Louis.)
Ready Foods Company, Inc., Chicago, Ill. Canned dog and cat food. 345,547; Apr. 27. Class 46.
Red Arrow Products Co. (See Passmore, Everett L.)
Regal Brewing Company Limited, Hamilton, Ontario, Canada. Ales, beers, lagers, etc. 345,369; Apr. 27; Serial No. 376,404; published Feb. 16, 1937. Class 48.
Revere Rubber Company, Boston, Mass., assignor to Revere Rubber Company, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Rubber belting. 14,415; re-renewed May 17, 1937.
Richman & Samuels, Inc., New York, N. Y. Fresh citrus and deciduous fruits, and fresh vegetables. 345,545; Apr. 27. Class 46.
Riegel Textile Corporation, New York, N. Y. Shirts. 345,456; Apr. 27; Serial No. 385,942; published Feb. 9, 1937. Class 39.
Rinaldi Bros., New York, N. Y. Canned tomato sauce. 345,417; Apr. 27; Serial No. 384,596; published Feb. 9, 1937. Class 46.
Robertshaw Thermostat Company, Youngwood, Pa. Thermostats, thermostatic regulators, and thermostatic indicators. 345,516; Apr. 27; Serial No. 386,871; published Feb. 16, 1937. Class 26.
Rochester Button Company, assignor to Rochester Button Company, Rochester, N. Y. Buttons. 117,360; renewed July 3, 1937.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Marksmanship practicing apparatus. 345,491; Apr. 27; Serial No. 386,556; published Feb. 16, 1937. Class 22.
Rosenbaum, Max, Brooklyn, N. Y. Dresses. 345,533; Apr. 27; Serial No. 386,171; published Feb. 16, 1937. Class 39.
Rossi Cigar Co., Oakland, Calif. Cigars. 345,374; Apr. 27; Serial No. 377,941; published Sept. 22, 1936. Class 17.
Royal Revues, Inc., Hollywood, Calif. Sensitized film. 345,389; Apr. 27; Serial No. 381,498; published Feb. 16, 1937. Class 26.
Rudder Publishing Company, The, New York, N. Y. Magazines. 116,242; renewed Apr. 17, 1937.
Russell Playing Card Co., Milltown, N. J., assignor to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing-cards. 118,332; renewed Aug. 28, 1937.
Saginaw Manufacturing Co., Saginaw, Mich. Folding ironing tables. 345,521; Apr. 27; Serial No. 386,911; published Feb. 16, 1937. Class 24.
San Fernando Lemon Association, near San Fernando and Los Angeles, to San Fernando Lemon Association, San Fernando, Calif. Lemons. 117,926; renewed Aug. 7, 1937.
Sanger Brothers, Dallas and Waco, Tex., and New York, N. Y., to Sanger Brothers, Inc., Dallas, Tex., successor. Dresses, aprons, and apron-dress. 118,431; renewed Sept. 4, 1937.
Schieren, Chas. A., Company, New York, N. Y. Adhesive belt-cement. 117,610; renewed July 17, 1937.
Schieren, Chas. A., Company, New York, N. Y. Leather, rawhide, and curried mull-butts. 117,928; renewed Aug. 7, 1937.
Scholl Manufacturing Company, The, by change of name to The Scholl Mfg. Co., Inc., Chicago, Ill. Pharmaceutical preparations. 115,866; renewed Mar. 13, 1937.
Seguin Milling & Power Co., Seguin, Tex. Wheat-flour. 116,006; renewed Mar. 27, 1937.

Seltzer, Leo A., Portland, Oreg. Roller skates, wheels, and repair parts therefor. 345,466; Apr. 27; Serial No. 386,128; published Feb. 16, 1937. Class 22.
Siegel Bros. Kiki Maid Coats Inc., New York, N. Y. Piece goods. 345,546; Apr. 27. Class 42.
Slaby, Peter, doing business as Mrs. Slaby's Noodle Co., Cicero, Ill. Noodles. 345,416; Apr. 27; Serial No. 384,568; published Feb. 16, 1937. Class 46.
Società Anonima Cooperativa Latteria Soresinese, Soresina, Italy. Cheese, butter, evaporated milk, etc. 345,396; Apr. 27; Serial No. 382,775; published Feb. 16, 1937. Class 46.
Solomon, A., New Orleans, La. Suits and trousers. 345,394; Apr. 27; Serial No. 382,326; published Dec. 1, 1936. Class 39.
Sonneborn, L., Sons, Inc., New York, N. Y. Adsorbent materials. 345,393; Apr. 27; Serial No. 381,952; published Feb. 16, 1937. Class 31.
Spatola, Joseph, Sr., doing business as Spatola Importing Company, Philadelphia, Pa. Wine. 345,504; Apr. 27; Serial No. 386,748; published Feb. 16, 1937. Class 47.
Sperry Flour Company, San Francisco, Calif. Milled grain products and preparation thereof. 345,364; Apr. 27; Serial No. 372,438; published Feb. 16, 1937. Class 46.
Sperry Flour Company, San Francisco, Calif. Flour. 345,511; Apr. 27; Serial No. 386,821; published Feb. 16, 1937. Class 46.
Spring Products Corporation, Long Island City, N. Y. Springs. 345,473; Apr. 27; Serial No. 386,276; published Feb. 16, 1937. Class 32.
Spur Rubber Company, Inc., Chicago, Ill. Vehicle tires. 345,486; Apr. 27; Serial No. 386,460; published Feb. 16, 1937. Class 35.
Standard Garment Company, Columbia, Pa., and New York, N. Y. Dresses. 345,461; Apr. 27; Serial No. 385,995; published Feb. 9, 1937. Class 39.
Star Company, assignor, by mesne assignments, to King Features Syndicate, Inc., New York, N. Y. Newspaper-sections. 118,235; renewed Aug. 21, 1937.
Sta-Tite Snath Company, Shelbyville, Ind. Snaths. 345,525; Apr. 27; Serial No. 386,967; published Feb. 16, 1937. Class 23.
Sterling Brewers, Inc. (See Evansville Brewing Assn., assignor.)
Stern & Saalberg Company, The, by change of name and mergers, to The Sweets Company of America, Incorporated, New York, N. Y. Cough-drops. 117,377–8; renewed July 3, 1937.
Strich & Zeidler, Inc., New York, N. Y. Pianos. 345,439; Apr. 27; Serial No. 385,653; published Feb. 16, 1937. Class 36.
Supreme Jr. Coat Co. (See Berkowitz, Louis.)
Sweets Company of America, Incorporated, The. (See Stern & Saalberg Company, The.)
Taybor Products Co., Santa Monica, Calif. Canned citrous juices. 345,505; Apr. 27; Serial No. 386,750; published Feb. 16, 1937. Class 45.
Technicolor Motion Picture Corporation, Hollywood, Calif. Motion picture film. 345,476; Apr. 27; Serial No. 386,321; published Feb. 16, 1937. Class 26.
Thermoid Rubber Company, Hamilton Township, Trenton, N. J. Belting, hose, machinery packing, etc. 118,447; renewed Sept. 4, 1937.
Thompson & Company, Oakmont, Pa. Paints, varnishes, paint primers, etc. 345,462; Apr. 27; Serial No. 385,996; published Feb. 16, 1937. Class 16.
Triplex Oil Refining Company, Inc., Long Island City, N. Y. Motor-lubricating oils. 345,423; Apr. 27; Serial No. 385,075; published Jan. 26, 1937. Class 15.
Truhu Silk Corporation, New York, N. Y. Silk, artificial silk, silk and artificial silk, etc., piece goods. 345,517; Apr. 27; Serial No. 386,876; published Feb. 16, 1937. Class 42.
Tustin Hills Citrus Association, Tustin, Calif. Oranges. 117,949–50; renewed Aug. 7, 1937.
20th Century Candy Co. (See Fitzgerald, Gilbert F.)
United States Electric Company, New York, N. Y. Flash lights. 345,382; Apr. 27; Serial No. 380,132; published Feb. 16, 1937. Class 21.
United States Playing Card Company, The. (See Russell Playing Card Co., assignor.)
United States Rubber Company, New York, N. Y. Composition insoles, box-toes, and heel-counters for boots and shoes. 116,565–6; renewed May 8, 1937.
United States Rubber Company, New York, N. Y. Rubberized aircraft fabrics. 117,002; renewed June 5, 1937.
United States Rubber Company, New York, N. Y. Rubber boots and shoes and fabric shoes. 117,003–5; renewed June 5, 1937.
United States Rubber Company, New York, N. Y. Rubber tires for vehicles. 345,358; Apr. 27; Serial No. 359,603; published Nov. 24, 1936. Class 35.
United States Rubber Company. (See India Rubber Company, assignor.)
United States Rubber Company. (See Revere Rubber Company, assignor.)
Urdang, Louis, doing business as Read-O-Desk Co., Tenafly, N. J. Reading desks. 345,463; Apr. 27; Serial No. 385,998; published Feb. 16, 1937. Class 32.
Vac-Made Foods Corporation, Chicago, Ill. Malt chocolate mixture in powder form. 345,464; Apr. 27; Serial No. 386,056; published Feb. 16, 1937. Class 46.
Village Blacksmith Folks, The, Watertown, Wis. Knives, steak turners, steels, etc. 345,465; Apr. 27; Serial No. 386,067; published Feb. 16, 1937. Class 23.
Vogt, F. G., & Sons, Incorporated, Philadelphia, Pa. Scrapple, ham, and rinds of ham and bacon. 345,363; Apr. 27; Serial No. 370,909; published Feb. 9, 1937. Class 46.
Vogue Knitting Company, Womelsdorf, Pa. Pajamas and night gowns. 345,402; Apr. 27; Serial No. 386,558; published Feb. 9, 1937. Class 39.
Waldes & Co., Prague-Wrschowitz, Austria-Hungary, assignor to Waldes & Company of New Jersey, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Fancy goods, furnishings, and notions. 118,357–8; renewed Aug. 28, 1937.
Waldes & Company of New Jersey, New York, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap-fasteners and placket-fasteners. 118,359–60; renewed Aug. 28, 1937.
Wallace, Burton & Davis Co. Inc. (See Burton & Davis Co., assignor.)
Warren Refining and Chemical Company, The, Cleveland, Ohio. Varnish. 345,371; Apr. 27; Serial No. 377,073; published Feb. 16, 1937. Class 16.
Washburn Crosby Company, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn. Flour. 345,402; Apr. 27; Serial No. 383,377; published Feb. 9, 1937. Class 46.
Waterbury Button Company, The, Waterbury, Conn. Novelty humming musical instruments. 345,442; Apr. 27; Serial No. 385,711; published Feb. 16, 1937. Class 36.
Weideman Co., The, Cleveland, Ohio. Canned goods and food products. 116,486; renewed May 1, 1937.
Wesco Foods Company, Cincinnati, Ohio. Baking powder. 345,400; Apr. 27; Serial No. 383,338; published Feb. 16, 1937. Class 46.
Whippet Blade Co. (See Edwards, Henry J.)
Whitmore Manufacturing Company, The, Cleveland, Ohio. Lubricating oil and grease compounds. 345,430; Apr. 27; Serial No. 385,322; published Feb. 9, 1937. Class 15.
Williamsbridge Mills, Inc., New York, N. Y. Blouses. 345,493; Apr. 27; Serial No. 386,612; published Feb. 9, 1937. Class 39.
Willis, Glenn B., doing business as Alvita Products Company, Pasadena, Calif. Preparation of clover used as a tea substitute. 345,422; Apr. 27; Serial No. 384,988; published Feb. 9, 1937. Class 46.
Wine Packing Corporation of California, Stockton, Calif. Wines. 345,494; Apr. 27; Serial No. 386,625; published Feb. 16, 1937. Class 47.
Zeiss, Carl, Jena, Germany. Photographic, microphotographic, projecting, and mieroscope objectives. 345,398; Apr. 27; Serial No. 383,281; published Feb. 16, 1937. Class 26.
Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. 345,380; Apr. 27; Serial No. 379,918; published Feb. 16, 1937. Class 21.

LIST OF REGISTRANTS OF LABELS

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Saltines. For Biscuits. 49,225; Apr. 27.
Clemson College Extension Service, The, Clemson, S. C. Sugaryams. For House Cured Sweet Potatoes Graded U. S. No. 1 or Better. 49,226; Apr. 27.
Ever Ready Laboratories, Springfield, Mass. Lemel. For a Preparation for Imparting a Perfect Lemon Flavor to Food and Beverages. 49,227; Apr. 27.
Freedom Oil Works Company, The, Freedom, Pa. Freedom Perfect Motor Oil. For Motor Oil. 49,228; Apr. 27.
Friedman, O. B., Co., San Francisco, Calif. Government Graded Fresh Eggs. For Eggs. 49,229; Apr. 27.
Hamilton, L. G., Branford, Conn. Doctor Knight Bedding. For Bedding. 49,230; Apr. 27.
Heileman, G., Brewing Co., La Crosse, Wis. Grenadier Beer. For Beer. 49,231; Apr. 27.
Hull Brewing Company, New Haven, Conn. Hull's Cream Ale. For Ale. 49,232; Apr. 27.
Master Brands Inc., Chicago, Ill. Ol' Smoothy. For Perfumed Ironing Wax Pads with Fire-Proof Iron Rest. 49,233; Apr. 27.
Newell, Jack Joseph, & Company, San Francisco, Calif. Sulph-O-Pine. For a Medicinal Sulphur Mineral Preparation for the Bath. 49,234; Apr. 27.
Polk County Citrus Sub-Exchange, Bartow, Fla. Duchess. For Fresh Citrus Fruits. 49,235; Apr. 27.

Roberts, F. H., Company, Cambridge, Mass. Apollo. For Chocolates. 49,236; Apr. 27.
Soyette Bread Products Company, Chicago, Ill. Soyette Honey Bread. For Bread. 49,237; Apr. 27.
Strader, James L., Castle Shannon, Pa. Huff's Old Reliable Brand 1880 Compound. For a Medicinal Compound for Minor Bronchial Irritations, and Coughs and Hoarseness due to Colds. 49,238; Apr. 27.
Swiss Fabric Group, New York, N. Y. For Helvetia Genuine Imported Swiss Transparent Organdy. For Genuine Imparted Swiss Transparent Organdy. 49,239; Apr. 27.
Wright Company, The, Old Bridge, N. J. Wright's Tested Plant Aid. For Artificially Blended Soil for Gardens, Lawns and Plants. 49,240; Apr. 27.

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. 20¢ Lb. for My Fruit—Jells. For Candy and Nuts. 16,167; Apr. 27.
Ben Burk Inc., Boston, Mass. Try Old Mr. Boston Rock & Rye. For Rock and Rye. 16,168; Apr. 27.
Milwaukee Boston Store, Milwaukee, Wis. Pedigreed. For Hosiery. 16,169; Apr. 27.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather, rawhide, and curried mill-butts. Chas. A. Schieren Company. 117,928; renewed Aug. 7, 1937.
Preparation of ground and pulverized minerals. International Pulp Company. 345,379; Apr. 27; Serial No. 379,617; published Aug. 18, 1936.

CLASS 2

Cabinets for clothing, Corrugated pasteboard knock-down. Odora Company. 345,376; Apr. 27; Serial No. 379,008; published Feb. 16, 1937.
Containers, packages, bags, etc. Humoco Corporation. 345,411; Apr. 27; Serial No. 384,083; published Feb. 16, 1937.
Containers. Wooden. Menasha Wooden Ware Corporation. 345,455; Apr. 27; Serial No. 385,894; published Feb. 16, 1937.

CLASS 5

Cement, Adhesive belt. Chas. A. Schieren Company. 117,610; renewed July 17, 1937.
Tape, Masking. Brunswick-Balke-Collender Company. 345,480; Apr. 27; Serial No. 386,352; published Feb. 16, 1937.

CLASS 6

Anti-freeze compounds. Carbide and Carbon Chemicals Corporation. 345,488; Apr. 27; Serial No. 386,479; published Feb. 16, 1937.
Cough-drops. Stern & Saalberg Company. 117,377–8; renewed July 3, 1937.
Insecticidal mineral oil preparations. Dow Chemical Company. 345,550; Apr. 27.
Liniment, Rubbing. Jadwiga Remedies, Inc. 345,551; Apr. 27.
Peptic coagulant. Parke, Davis & Co. 116,082; renewed Apr. 3, 1937.
Peroxid. John Bené & Sons Inc. 118,145; renewed Aug. 21, 1937.
Pharmaceutical preparations. Scholl Manufacturing Company. 115,866; renewed Mar. 13, 1937.
Salve. M. Chejlavá. 115,490; renewed Feb. 20, 1937.

CLASS 9

Holster for regulation firearms, Leather. Chancy Toy & Novelty Corp. 345,367; Apr. 27; Serial No. 374,126; published Feb. 16, 1937.

CLASS 10

Fertilizers. American Agricultural Chemical Company. 345,502; Apr. 27; Serial No. 386,714; published Feb. 16, 1937.
Fertilizers. Darling & Company. 117,838; renewed Aug. 7, 1937.

CLASS 11

Ink, lithographic liquid tusche, lithographic transfer ink, etc., Lithographic rubbing. Wm. Korn, Inc. 345,523; Apr. 27; Serial No. 386,952; published Feb. 16, 1937.

CLASS 13

Plates for holding screws in sheet metal, Locking. Prestole Devices, Inc. 345,475; Apr. 27; Serial No. 386,318; published Feb. 16, 1937.
Sinks, lavatories, bathtubs, etc., Kitchen. Crane Co. 345,388; Apr. 27; Serial No. 381,191; published Feb. 16, 1937.

CLASS 14

Type faces. Bauer Type Foundry, Inc. 345,507–09; Apr. 27; Serial Nos. 386,786–8; published Feb. 16, 1937.

CLASS 15

Candles. I. Cassimatis. 345,503; Apr. 27; Serial No. 386,723; published Feb. 9, 1937.
Gasoline, lubricating oils, and greases. North Jersey Oil Corporation. 345,355; Apr. 27; Serial No. 357,021; published Feb. 2, 1937.
Oil and grease compounds, Lubricating. Whitmore Manufacturing Company. 345,430; Apr. 27; Serial No. 385,322; published Feb. 9, 1937.
Oils, Motor-lubricating. Triplex Oil Refining Company. 345,423; Apr. 27; Serial No. 385,075; published Jan. 26, 1937.

CLASS 16

Enamel paints and varnish. Keystone Varnish Company. 118,049; renewed Aug. 14, 1937.
Materials adapted to promote and accelerate the drying of siccative oils and siccative oil containing compositions. Monsanto Chemical Company. 345,381; Apr. 27; Serial No. 379,968; published Feb. 16, 1937.
Paint in dry form. New England Whiting Company. 345,500; Apr. 27; Serial No. 386,686; published Feb. 16, 1937.
Paint paste. Florida Leaky Roof Paint Company. 345,399; Apr. 27; Serial No. 383,301; published Feb. 16, 1937.
Paint size. Paint Products, Inc. 345,542; Apr. 27.
Paints and varnishes. Hall Hardware Company. 345,391; Apr. 27; Serial No. 381,937; published Feb. 16, 1937.
Paints and varnishes. Metallic Products Company. 345,418; Apr. 27; Serial No. 384,664; published Feb. 16, 1937.
Paints, Ready-mixed. Lowe Brothers Company. 115,642; renewed Feb. 27, 1937.
Paints, varnishes, paint primers, etc. Thompson & Company. 345,462; Apr. 27; Serial No. 385,996; published Feb. 16, 1937.
Polish, Furniture and automobile. A. A. Banks. 345,403; Apr. 27; Serial No. 383,459; published Feb. 16, 1937.
Polish, Wax. J. M. Cain. 345,421; Apr. 27; Serial No. 384,841; published Feb. 16, 1937.
Varnish. General Printing Ink Corporation. 345,522; Apr. 27; Serial No. 386,943; published Feb. 16, 1937.
Varnish. Warren Refining and Chemical Company. 345,371; Apr. 27; Serial No. 377,073; published Feb. 16, 1937.
Wax and lacquer. S. C. Johnson & Son, Inc. 345,368; Apr. 27; Serial No. 374,667; published Feb. 16, 1937.

CLASS 17

Cigars. Rossi Cigar Co. 345,374; Apr. 27; Serial No. 377,941; published Sept. 22, 1936.

CLASS 19

Trucks, Gasolene. Kentucky Wagon Manufacturing Co. 117,447; renewed July 10, 1937.

CLASS 20

Edging and shelf covering, Shelf. Dritz-Traum Company. 345,410; Apr. 27; Serial No. 384,030; published Feb. 16, 1937.

CLASS 21

Batteries for automobiles, Storage. Monark Battery Company. 345,515; Apr. 27; Serial No. 386,867; published Feb. 16, 1937.
Batteries or accumulators, their parts and supplies, Electric storage. Electric Storage Battery Company. 115,849; renewed Mar. 13, 1937.
Clamps, Trolley-wire. Ohio Brass Company. 115,861; renewed Mar. 13, 1937.
Electrical control apparatus, electrical machines, and electrical supplies, etc. Cutler-Hammer, Inc. 345,447; Apr. 27; Serial No. 385,779; published Feb. 16, 1937.
Electrical pick-up devices for amplifying sounds, Sensitive. Communication Engineers, Inc. 345,510; Apr. 27; Serial No. 386,791; published Feb. 16, 1937.

Flash lights. United States Electric Company. 345,382; Apr. 27; Serial No. 380,132; published Feb. 16, 1937.
Light projectors, Electrically operated. Century Lighting, Inc. 345,457; Apr. 27; Serial No. 385,971; published Feb. 16, 1937.
Radio and television receiving sets and parts thereof. Zenith Radio Corporation. 345,380; Apr. 27; Serial No. 379,918; published Feb. 16, 1937.
Radio-receivers and parts. Birnbach Radio Co. 345,408; Apr. 27; Serial No. 384,024; published Feb. 16, 1937.
Radio transmitting and receiving sets, Television transmitting and receiving sets, etc. Farnsworth Television Incorporated. 345,420; Apr. 27; Serial No. 384,741; published Feb. 16, 1937.
Radio tubes. Hall Hardware Company. 345,392; Apr. 27; Serial No. 381,938; published Feb. 16, 1937.
Spark plugs. A. C. Hastings, Jr. 345,520; Apr. 27; Serial No. 386,896; published Feb. 16, 1937.
Spark plugs. E. L. Passmore. 345,444; Apr. 27; Serial No. 385,746; published Feb. 16, 1937.
Wire, Coated telephone. Bethlehem Steel Company. 345,467; Apr. 27; Serial No. 386,144; published Feb. 16, 1937.

CLASS 22

Balls, playground balls, indoor balls, etc., Soft. J. de Beer & Son. 345,558; Apr. 27.
Cards, Playing. Russell Playing Card Co. 118,332; renewed Aug. 28, 1937.
Chalk, Billiard. Brunswick-Balke-Collender Company. 345,479; Apr. 27; Serial No. 386,342; published Feb. 16, 1937.
Dolls, costumes for dolls, parts of costumes for dolls, etc. Ideal Novelty & Toy Company. 345,532; Apr. 27; Serial No. 386,161; published Feb. 16, 1937.
Fishing rods, parts thereof, and cases therefor, etc. James Heddon's Sons. 345,384; Apr. 27; Serial No. 380,352; published Feb. 16, 1937.
Game board. W. H. Hofscher. 345,366; Apr. 27; Serial No. 373,216; published Feb. 16, 1937.
Game or toy building discs. Educational Enterprises. 345,437; Apr. 27; Serial No. 385,569; published Feb. 16, 1937.
Games. D. Kohn. 345,428; Apr. 27; Serial No. 385,295; published Feb. 16, 1937.
Games and toys. Bersin Playthings, Inc. 345,401; Apr. 27; Serial No. 383,343; published Feb. 16, 1937.
Golf balls. Goldsmith Bros. 345,435; Apr. 27; Serial No. 385,517; published Feb. 16, 1937.
Golf balls; golf clubs and golf bags. Frank H. Cagivnac-Associates. 345,436; Apr. 27; Serial No. 385,559; published Feb. 16, 1937.
Marksmanship practicing apparatus. Rock-Ola Manufacturing Corporation. 345,491; Apr. 27; Serial No. 386,556; published Feb. 16, 1937.
Skates, wheels, and repair parts therefor, Roller. L. A. Seltzer. 345,466; Apr. 27; Serial No. 386,128; published Feb. 16, 1937.
Tennis rackets, palettes, baseball bats, etc. R. Heimers. 345,419; Apr. 27; Serial No. 384,707; published Feb. 16, 1937.
Toy apparatus and materials. D. B. Rapaport. 345,485; Apr. 27; Serial No. 386,443; published Feb. 16, 1937.

CLASS 23

Knives, steak turners, steels, etc. Village Blacksmith Folks. 345,465; Apr. 27; Serial No. 386,067; published Feb. 16, 1937.
Machines to pasteurize or cook foods and beverages. Geo. J. Meyer Manufacturing Co. 345,412; Apr. 27; Serial No. 384,162; published Feb. 16, 1937.
Razor blades, Safety. H. J. Edwards. 345,356; Apr. 27; Serial No. 357,047; published Feb. 16, 1937.
Razor blades, Safety. Marlin Firearms Company. 345,427; Apr. 27; Serial No. 385,266; published Feb. 16, 1937.
Rollers, Composition. Ideal Roller & Manufacturing Company. 345,405–7; Apr. 27; Serial Nos. 383,738–40; published Feb. 16, 1937.
Snaths. Sta-Tite Snath Company. 345,525; Apr. 27; Serial No. 386,967; published Feb. 16, 1937.
Tractors, planers, scarifiers, etc. Caterpillar Tractor Co. 345,499; Apr. 27; Serial No. 386,675; published Feb. 16, 1937.
Vending machines. Candyland Vendors, Incorporated. 345,378; Apr. 27; Serial No. 379,418; published Feb. 16, 1937.

CLASS 24

Laundry net bags. Anchor Duck Mills. 345,487; Apr. 27; Serial No. 386,474; published Feb. 16, 1937.
Tables, Folding ironing. Saginaw Manufacturing Co. 345,521; Apr. 27; Serial No. 386,911; published Feb. 16, 1937.

CLASS 26

Cameras, Photographic. Agfa Ansco Corporation. 345,512; Apr. 27; Serial No. 386,839; published Feb. 16, 1937.
Film, Motion picture. Technicolor Motion Picture Corporation. 345,476; Apr. 27; Serial No. 386,321; published Feb. 16, 1937.
Film, Sensitized. Royal Revues, Inc. 345,389; Apr. 27; Serial No. 381,498; published Feb. 16, 1937.
Photographic, microphotographic, projecting, and microscope objectives. Carl Zeiss. 345,398; Apr. 27; Serial No. 383,281; published Feb. 16, 1937.
Thermostats, thermostatic regulators, and thermostatic indicators. Robertshaw Thermostat Company. 345,516; Apr. 27; Serial No. 386,871; published Feb. 16, 1937.

CLASS 27

Watches, watch cases, watch parts, etc. H. Lehman. 345,472; Apr. 27; Serial No. 386,261; published Feb. 16, 1937.

CLASS 29

Brooms. Allegheny County Workhouse and Inebriate Asylum. 345,474; Apr. 27; Serial No. 386,282; published Feb. 16, 1937.
Brushes and sponges, Painters' stippling and servicing. M. Rathus. 345,372; Apr. 27; Serial No. 377,231; published Feb. 16, 1937.
Brushes, Clothes. Ox Fibre Brush Company. 345,490; Apr. 27; Serial No. 386,496; published Feb. 16, 1937.
Brushes, Paint. Baker Brush Co. 345,519; Apr. 27; Serial No. 386,884; published Feb. 16, 1937.
Mops. Midway Chemical Company. 345,361; Apr. 27; Serial No. 370,011; published Feb. 16, 1937.
Tooth brushes. Pro-phy-lac-tic Brush Company. 345,357; Apr. 27; Serial No. 358,653; published Apr. 30, 1935.

CLASS 31

Adsorbent materials. L. Sonneborn Sons, Inc. 345,393; Apr. 27; Serial No. 381,952; published Feb. 16, 1937.
Coolers, Electrically refrigerated beverage. Brunswick-Balke-Collender Company. 345,478; Apr. 27; Serial No. 386,337; published Feb. 16, 1937.
Mineral material, Granular. C. F. Burgess Laboratories, Inc. 345,414; Apr. 27; Serial No. 384,368; published Feb. 16, 1937.

CLASS 32

Desks, Reading. L. Urdang. 345,463; Apr. 27; Serial No. 385,998; published Feb. 16, 1937.
Racks, Display. A. M. Lewin Lumber Co. 345,362; Apr. 27; Serial No. 370,384; published Feb. 16, 1937.
Springs. Spring Products Corporation. 345,473; Apr. 27; Serial No. 386,276; published Feb. 16, 1937.

CLASS 33

Dish and cover, Glass butter. Frederick F. Lowenfels & Son. 345,395; Apr. 27; Serial No. 382,756; published Feb. 16, 1937.

CLASS 34

Burners and parts, Oil. Automatic Burner Corporation. 345,513; Apr. 27; Serial No. 386,842; published Feb. 16, 1937.
Burners, Oil. M. Link. 345,555; Apr. 27.

CLASS 35

Belting, hose, machinery packing, etc. Thermoid Rubber Company. 118,447; renewed Sept. 4, 1937.
Belting, Leather. A. H. Rahmann. 345,460; Apr. 27; Serial No. 385,991; published Feb. 16, 1937.
Belting, Rubber. Revere Rubber Company. 14,415; rerenewed May 17, 1937.
Belts, fan belts, mechanical driving cables, etc., Power transmission. Cela Holding S. A. 345,409; Apr. 27; Serial No. 384,027; published Feb. 16, 1937.
Pipes, Hard-rubber acid-conducting. India Rubber Company. 116,767; renewed May 22, 1937.
Tires for vehicles, Rubber. United States Rubber Company. 345,358; Apr. 27; Serial No. 359,603; published Nov. 24, 1936.
Tires, Vehicle. Spur Rubber Company. 345,486; Apr. 27; Serial No. 386,460; published Feb. 16, 1937.

CLASS 36

Flutes, mandolins, lutes, etc. K. A. Braun. 345,377; Apr. 27; Serial No. 379,169; published Feb. 16, 1937.
Musical instruments, Novelty humming. Waterbury Button Company. 345,442; Apr. 27; Serial No. 385,711; published Feb. 16, 1937.
Pianos. Strich & Zeidler, Inc. 345,439; Apr. 27; Serial No. 385,653; published Feb. 16, 1937.
Records and record blanks, Phonograph. American Record Corporation. 345,518; Apr. 27; Serial No. 386,882; published Feb. 16, 1937.

CLASS 38

Books, Series of. Crowell Publishing Company. 345,560; Apr. 27.
Magazine. Home Health Library, Inc. 345,370; Apr. 27; Serial No. 376,587; published Feb. 9, 1937.
Magazine. Massachusetts Distributors, Incorporated. 345,431; Apr. 27; Serial No. 385,416; published Feb. 9, 1937.
Magazines. Rudder Publishing Company. 116,242; renewed Apr. 17, 1937.
Newspaper-sections. Star Company. 118,235; renewed Aug. 21, 1937.

CLASS 39

Blouses. Abraham & Strauss, Inc. 345,559; Apr. 27.
Blouses. Williamsbridge Mills, Inc. 345,493; Apr. 27; Serial No. 386,612; published Feb. 9, 1937.
Blouses and dresses. Mitchell & Weber, Inc. 345,554; Apr. 27.
Blouses and dresses. Mitchell & Weber, Inc. 345,557; Apr. 27.
Boots and shoes and fabric shoes, Rubber. United States Rubber Company. 117,003–5; renewed June 5, 1937.
Boots, shoes, and slippers. Buckingham & Hecht. 117,413; renewed July 10, 1937.
Coats and dresses, Women's and children's. Marshall Field & Company. 345,443; Apr. 27; Serial No. 385,728; published Feb. 16, 1937.
Coats and suits. L. Berkowitz. 345,506; Apr. 27; Serial No. 386,756; published Feb. 9, 1937.
Coats, jackets, blazers, etc. Albert Richard Company. 345,552; Apr. 27.
Dresses. M. Brod. 345,496; Apr. 27; Serial No. 386,631; published Feb. 16, 1937.
Dresses. M. Rosenbaum. 345,533; Apr. 27; Serial No. 386,171; published Feb. 16, 1937.
Dresses. Standard Garment Company. 345,461; Apr. 27; Serial No. 385,995; published Feb. 9, 1937.
Dresses and blouses. J. Eichwald. 345,385; Apr. 27; Serial No. 380,444; published Feb. 9, 1937.
Dresses, aprons, and apron-dress. Sanger Brothers. 118,431; renewed Sept. 4, 1937.
Dresses, blouses, and jumpers. L. J. Goldberger. 345,449–50; Apr. 27; Serial Nos. 385,787–8; published Feb. 9, 1937.
Dresses, Ladies' house. J. H. McEvoy. 345,390; Apr. 27; Serial No. 381,508; published Feb. 16, 1937.
Gloves, Leather. Louis Meyers & Son. 118,070–1; renewed Aug. 14, 1937.
Hats and caps, haberdashery. Deutscher & Bloom. 345,556; Apr. 27.
Hosiery. S. H. Kress and Company. 116,902–3; renewed June 5, 1937.
Hosiery. J. C. Penney Company. 345,528; Apr. 27; Serial No. 387,049; published Feb. 16, 1937.
Hosiery, men's and boys' hose, golf hose, etc., Ladies'. F. M. Grauer & Co. 345,536; Apr. 27.
Insoles, box-toes, and heel-counters for boots and shoes, Composition. United States Rubber Company. 116,565–6; renewed May 8, 1937.
Middies, gym shorts, gym shirts, etc., Girls'. J. C. Penney Company. 345,445; Apr. 27; Serial No. 385,748; published Feb. 9, 1937.
Neckties and mufflers. McCurrach Organization Incorporated. 345,514; Apr. 27; Serial No. 386,866; published Feb. 9, 1937.
Neckties and mufflers. McCurrach Organization Incorporated. 345,531; Apr. 27; Serial No. 387,139; published Feb. 16, 1937.
Neckwear. Frank & Meyer Neckwear Company. 345,438; Apr. 27; Serial No. 385,574; published Feb. 9, 1937.
Negligees, costume slips, shorts for underwear, etc. Loungewear Inc. 345,458; Apr. 27; Serial No. 385,985; published Feb. 16, 1937.
Pajamas and night gowns. Vogue Knitting Company. 345,492; Apr. 27; Serial No. 386,558; published Feb. 9, 1937.
Shirts. Kirby, Block & Fischer, Inc. 345,544; Apr. 27.
Shirts. Riegel Textile Corporation. 345,456; Apr. 27; Serial No. 385,942; published Feb. 9, 1937.
Shirts, blouses, underwear, Polo. Everite Knitting Mills, Inc. 345,484; Apr. 27; Serial No. 386,421; published Feb. 9, 1937.
Slips. Ralco Undergarment Corp. 345,459; Apr. 27; Serial No. 385,990; published Feb. 16, 1937.
Suits and trousers. A. Solomon. 345,394; Apr. 27; Serial No. 382,326; published Dec. 1, 1936.
Suits, trousers, top-coats, etc. H. Daroff & Sons, Inc. 345,365; Apr. 27; Serial No. 372,962; published Feb. 16, 1937.
Underwear for women. Holeproof Hosiery Co. 345,470; Apr. 27; Serial No. 386,255; published Feb. 16, 1937.

CLASS 40

Buttons. Rochester Button Company. 117,360; renewed July 3, 1937.
Crochet hooks or needles. Clark Thread Company. 115,940; renewed Mar. 27, 1937.
Crochet hooks or needles. Clark Thread Company. 116,597; renewed May 15, 1937.
Fancy goods, furnishings, and notions. Waldes & Co. 118,357–8; renewed Aug. 28, 1937.
Snap-fasteners and placket-fasteners. Waldes & Company of New Jersey. 118,359–60; renewed Aug. 28, 1937.

CLASS 42

Cotton duck. Mount Vernon-Woodberry Mills, Inc. 116,442–3; renewed May 1, 1937.
Fabrics. Mallinson Fabrics Corporation. 345,413; Apr. 27; Serial No. 384,214; published Feb. 16, 1937.
Fabrics, Textile. Nehemiah Gitelson & Sons. 345,553; Apr. 27.
Piece goods. Josef Knitted Fabrics, Inc. 345,471; Apr. 27; Serial No. 386,258; published Feb. 16, 1937.
Piece goods. Siegel Bros. Kiki Maid Coats Inc. 345,546; Apr. 27.
Silk and rayon piece goods. American Dyeing Corporation. 345,495; Apr. 27; Serial No. 386,627; published Feb. 16, 1937.
Silk, artificial silk, silk and artificial silk, etc., piece goods. Truhu Silk Corporation. 345,517; Apr. 27; Serial No. 386,876; published Feb. 16, 1937.
Woolen and wool mixture fabrics in the piece. Linker & Herbert, Inc. 345,524; Apr. 27; Serial No. 386,955; published Feb. 16, 1937.

CLASS 44

Dental impression trays. L. D. Caulk Company. 345,432; Apr. 27; Serial No. 385,434; published Feb. 16, 1937.
Diagnostic machines, Electric. H. D. Niblack. 345,404; Apr. 27; Serial No. 383,594; published Feb. 16, 1937.
Permanent wave contactors and permanent wave supplies. Eugene, Limited. 345,501; Apr. 27; Serial No. 386,706; published Feb. 16, 1937.

CLASS 45

Juices, Canned citrous. Taybor Products Co. 345,505; Apr. 27; Serial No. 386,750; published Feb. 16, 1937.

CLASS 46

Baking powder. Wesco Foods Company. 345,400; Apr. 27; Serial No. 383,338; published Feb. 16, 1937.
Beans, Baked. Continental Foods Corporation. 345,529; Apr. 27; Serial No. 387,115; published Feb. 16, 1937.
Candies and salted nuts. G. F. Fitzgerald. 345,453; Apr. 27; Serial No. 385,838; published Feb. 9, 1937.
Candy. Norris Incorporated. 345,429; Apr. 27; Serial No. 385,302; published Feb. 16, 1937.
Canned baked apples. Hills Brothers Company. 345,454; Apr. 27; Serial No. 385,886; published Feb. 9, 1937.
Canned chile. J. A. Garcia, Jr. 345,434; Apr. 27; Serial No. 385,438; published Feb. 9, 1937.
Canned dog and cat food. Ready Foods Company. 345,547; Apr. 27.
Canned fish, fruits, and vegetables, of all kinds, etc. Mitsubishi Shoji Kaisha, Ltd. 345,386; Apr. 27; Serial No. 380,456; published Feb. 9, 1937.
Canned goods and food products. Weideman Co. 116,486; renewed May 1, 1937.
Canned oysters and shrimp. Dixie Fisheries, Incorporated. 345,383; Apr. 27; Serial No. 380,263; published Feb. 9, 1937.
Canned salmon. P. E. Harris & Company. 117,139; renewed June 19, 1937.
Canned tomato sauce. Rinaldi Bros. 345,417; Apr. 27; Serial No. 384,596; published Feb. 9, 1937.
Canned vegetables. Holyoke Wholesale Grocery Co. 345,530; Apr. 27; Serial No. 387,129; published Feb. 16, 1937.
Canned vegetables. J. M. Michael. 118,554; renewed Sept. 18, 1937.
Cheese. Milwaukee Cheese Company. 345,535; Apr. 27.
Cheese, butter, evaporated milk, etc. Società Anonima Cooperativa Latteria Soresinese. 345,396; Apr. 27; Serial No. 382,775; published Feb. 16, 1937.
Chocolate mixture in powder form, Malt. Vac-Made Foods Corporation. 345,464; Apr. 27; Serial No. 386,056; published Feb. 16, 1937.
Coffee. Goyer Company. 345,373; Apr. 27; Serial No. 377,920; published Feb. 16, 1937.
Coffee and coffee kernels, Raw. F. S. Ehrlich. 345,497; Apr. 27; Serial No. 386,638; published Feb. 16, 1937.
Containers, Eatable. I. S. Boydstun. 345,360; Apr. 27; Serial No. 366,979; published Feb. 9, 1937.
Dextrose tablets in the nature of confectionery. Corn Products Refining Company. 345,526–7; Apr. 27; Serial No. 387,033–4; published Feb. 16, 1937.
Fat, Cooking. Procter & Gamble Company. 117,704; renewed July 24, 1937.
Feed, Stock and poultry. L. P. Cook. 345,452; Apr. 27; Serial No. 385,832; published Feb. 16, 1937.
Flour. General Mills, Inc. 345,498; Apr. 27; Serial No. 386,645; published Feb. 16, 1937.
Flour. Sperry Flour Company. 345,511; Apr. 27; Serial No. 386,821; published Feb. 16, 1937.
Flour. Washburn Crosby Company. 345,402; Apr. 27; Serial No. 383,377; published Feb. 9, 1937.
Flour, Plain and self-rising wheat. Dixie Stores, Incorporated. 345,397; Apr. 27; Serial No. 383,087; published Feb. 16, 1937.
Flour, Self-rising wheat. Modern Flour Mills. 117,773; renewed July 31, 1937.
Flour, Wheat. Centennial Flouring Mills Company. 345,433; Apr. 27; Serial No. 385,435; published Feb. 16, 1937.
Flour, Wheat. Earle-Chesterfield Mill Co. 345,489; Apr. 27; Serial No. 386,486; published Feb. 9, 1937.
Flour, Wheat. Pillsbury Flour Mills Company. 345,477; Apr. 27; Serial No. 386,333; published Feb. 16, 1937.
Flour, Wheat. Seguin Milling & Power Co. 116,006; renewed Mar. 27, 1937.
Foods. Burton & Davis Co. 117,825; renewed Aug. 7, 1937.
Foods, Prepared animal and poultry. Darling & Company. 118,391; renewed Sept. 4, 1937.
Fruit, and citrus juices, Fresh citrus. F. W. Moore. 345,451; Apr. 27; Serial No. 385,797; published Feb. 16, 1937.

Fruits and fresh vegetables, Fresh citrus and deciduous. Richman & Samuels, Inc. 345,545; Apr. 27.
Grain products and preparations thereof, Milled. Sperry Flour Company. 345,364; Apr. 27; Serial No. 372,438; published Feb. 16, 1937.
Lemons. San Fernando Lemon Association. 117,926; renewed Aug. 7, 1937.
Macaroni, spaghetti, and vermicelli. R. Fabien & Company. 117,536; renewed July 17, 1937.
Malt in powdered form, Chocolate flavored. B. Quintero & Co. 345,415; Apr. 27; Serial No. 384,437; published Feb. 9, 1937.
Malt non-intoxicating beverage, Brewed. Evansville Brewing Assn. 117,653; renewed July 24, 1937.
Noodles. A. Goodman & Sons, Inc. 345,424; Apr. 27; Serial No. 385,094; published Feb. 9, 1937.
Noodles. P. Slaby. 345,416; Apr. 27; Serial No. 384,568; published Feb. 16, 1937.
Nuts, Mixed chopped. Hitchcock Pecan Co. 345,425; Apr. 27; Serial No. 385,096; published Feb. 9, 1937.
Oleomargarin. Capital City Dairy Company. 118,463; renewed Sept. 11, 1937.
Oranges. Anaheim Citrus Fruit Association. 118,136; renewed Aug. 21, 1937.
Oranges. Tustin Hills Citrus Association. 117,949–50; renewed Aug. 7, 1937.
Peanuts. Brown-Murray Co. 345,482; Apr. 27; Serial No. 386,399; published Feb. 9, 1937.
Potatoes. Dingfelder & Balish. 345,426; Apr. 27; Serial No. 385,250; published Feb. 16, 1937.
Preparation of clover used as a tea substitute. G. B. Willis. 345,422; Apr. 27; Serial No. 384,988; published Feb. 9, 1937.
Salad-oil. Armstrong Packing Company. 117,733; renewed July 31, 1937.
Scrapple, ham, and rinds of ham and bacon. F. G. Vogt & Sons, Incorporated. 345,363; Apr. 27; Serial No. 370,909; published Feb. 9, 1937.
Syrups, Chocolate. Kremer Plantations, Inc. 345,549; Apr. 27.
Vegetables, Fresh. Abe M. Katz Company. 345,534; Apr. 27; Serial No. 387,189; published Feb. 16, 1937.

CLASS 47

Wine. J. Spatola, Sr. 345,504; Apr. 27; Serial No. 386,748; published Feb. 16, 1937.
Wines. Wine Packing Corporation of California. 345,494; Apr. 27; Serial No. 386,625; published Feb. 16, 1937.

CLASS 48

Ales, beers, lagers, etc. Regal Brewing Company Limited. 345,369; Apr. 27; Serial No. 376,404; published Feb. 16, 1937.
Beer. Atlas Brewing Company. 345,387; Apr. 27; Serial No. 380,858; published Feb. 16, 1937.
Beer and ale. Bruckmann Company. 345,469; Apr. 27; Serial No. 386,200; published Feb. 16, 1937.
Malt beverage. Commonwealth Brewing Corporation. 345,541; Apr. 27.

CLASS 49

Brandy. Laird and Company. 345,440–1; Apr. 27; Serial No. 385,670–1; published Feb. 16, 1937.
Gin. Florida Cane Products Corporation. 345,468; Apr. 27; Serial No. 386,156; published Feb. 16, 1937.
Gin, whiskey, and brandy. Beaumart, Inc. 345,359; Apr. 27; Serial No. 366,976; published Aug. 13, 1935.
Rum. Manuel Marin & Company. 345,537–8; Apr. 27.
Whiskey. Austin, Nichols & Co. 345,446; Apr. 27; Serial No. 385,772; published Feb. 16, 1937.
Whiskey. Charles & Co. 345,483; Apr. 27; Serial No. 386,403; published Feb. 16, 1937.
Whiskey. Frankfort Distilleries, Incorporated. 345,481; Apr. 27; Serial No. 386,365; published Feb. 16, 1937.
Whiskey. H. Gritz. 345,448; Apr. 27; Serial No. 385,786; published Feb. 16, 1937.
Whiskey. Kinsey Distilling Company. 345,548; Apr. 27.
Whiskeys, brandies, gins, etc. J. S. Polefsky. 345,543; Apr. 27.

CLASS 50

Brooders, feeding and watering receptacles, etc. National Ideal Company. 345,375; Apr. 27; Serial No. 377,991; published Feb. 16, 1937.
Fabrics, Rubberized aircraft. United States Rubber Company. 117,002; renewed June 5, 1937.
Matrix or flong used in stereotyping. Rapid Electrotype Co. 345,539–40; Apr. 27.

LIST OF LABELS

Apollo. For Chocolates. F. H. Roberts Company. 49,236; Apr. 27.
Beech-Nut Saltines. For Biscuits. Beech-Nut Packing Company. 49,225; Apr. 27.
Doctor Knight Bedding. For Bedding. L. G. Hamilton. 49,230; Apr. 27.
Duchess. For Fresh Citrus Fruits. Polk County Citrus Sub-Exchange. 49,235; Apr. 27.
Freedom Perfect Motor Oil. For Motor Oil. Freedom Oil Works Company. 49,228; Apr. 27.
Government Graded Fresh Eggs. For Eggs. O. B. Friedman Co. 49,229; Apr. 27.
Grenadier Beer. For Beer. G. Helleman Brewing Co. 49,231; Apr. 27.
Helvetia Genuine Imported Swiss Transparent Organdy. For Genuine Imported Swiss Transparent Organdy. Swiss Fabric Group. 49,239; Apr. 27.
Huff's Old Reliable Brand 1880 Compound. For a Medicinal Compound for Minor Bronchial Irritations, and Coughs and Hoarseness Due to Colds. J. L. Strader. 49,238; Apr. 27.
Hull's Cream Ale. For Ale. Hull Brewing Company. 49,232; Apr. 27.
Lemel. For a Preparation for Imparting a Perfect Flavor to Food and Beverages. Ever Ready Laboratories. 49,227; Apr. 27.
Ol' Smoothy. For Perfumed Ironing Wax Pads with Fire-Proof Iron Rest. Master Brands Inc. 49,233; Apr. 27.
Soyette Honey Bread. For Bread. Soyette Bread Products Company. 49,237; Apr. 27.
Sugaryams. For House Cured Sweet Potatoes Graded U. S. No. 1 or Better. Clemson College Extension Service. 49,226; Apr. 27.
Sulph-O-Pine. For a Medicinal Sulphur Mineral Preparation for the Bath. Jack Joseph Newell & Company. 49,234; Apr. 27.
Wright's Tested Plant Aid. For Artificially Blended Soil for Gardens, Lawns and Plants. Wright Company. 49,240; Apr. 27.

LIST OF PRINTS

Pedigreed. For Hosiery. Milwaukee Boston Store. 16,169; Apr. 27.
29¢ Lb. for My Fruit—Jells. For Candy and Nuts. Awful Fresh MacFarlane. 16,167; Apr. 27.
Try Old Mr. Boston Rock & Rye. For Rock and Rye. Ben Burk Inc. 16,168; Apr. 27.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Case, J. I., Company. (See MacGregor, Wallace F., assignor.)

Gaylor Brothers, Incorporated. (See Van Dusen, George, assignor.)

Globe American Corporation. (See Hill, Dewey H., assignor.)

Hill, Dewey H., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Cleaner for oil burners. 20,339; Apr. 27.

Hutchinson, Job, Great Neck, N. Y. Motor operated train indicator. 20,340; Apr. 27.

Lea, Edward S., Morrisville, Pa., assignor, by mesne assignments, to G. Von Seebeck, New York, N. Y., trustee. Humidifier. 20,341; Apr. 27.

MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Combination thresher and windrow pick-up. 20,342; Apr. 27.

Roede, Charles B., Ridgefield, N. J., assignor to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 20,343; Apr. 27.

Schaberle, George S., Hempstead, N. Y. Thermionic relay tube system. 20,345; Apr. 27.

Sperry Products, Inc. (See Roede, Charles B., assignor.)

Van Dusen, George, deceased, Syracuse, N. Y., by Gaylor Brothers, Incorporated, Syracuse, N. Y., assignee. Type card for printing machines. 20,344; Apr. 27.

Von Seebeck, George, trustee. (See Lea, Edward S., assignor.)

LIST OF DESIGN PATENTEES

Addison, Thomas A., New Orleans, La. Combined bottle opener, can opener, and shoehorn. 104,303; Apr. 27.

Alderney Dairy Co. (See Long, Leroy W., assignor.)

Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Combined globe and panel for a lighting fixture. 104,230; Apr. 27.

Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Combined globe and panel for a lighting fixture. 104,231; Apr. 27.

Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Combined globe and panel for a lighting fixture. 104,232; Apr. 27.

Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Combined globe and panel for a lighting fixture. 104,233; Apr. 27.

Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Lighting fixture globe. 104,234; Apr. 27.

Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Light-transmitting panel for a lighting fixture. 104,235; Apr. 27.

Bacon, Edmund N., Bloomfield Hills, Mich., assignor to W. B. Farrell Associates, Inc. Sign unit or the like. 104,236; Apr. 27.

Banta, Dorac B., Bloomfield, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Battery selector. 104,237; Apr. 27.

Barg, Joseph, Cincinnati, Ohio. Tire. 104,238; Apr. 27.

Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)

Bausch & Lomb Optical Company. (See Mowson, Albert G., assignor.)

Blankmann, Charles M., St. Louis, Mo. Buckle. 104,239; Apr. 27.

Boeing Aircraft Company. (See Canney, F. R., and Wood, assignors.)

Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Pair of goggles or similar article. 104,320; Apr. 27.

Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Bridge for an ophthalmic mounting. 104,321; Apr. 27.

Brandt Cabinet Works, Inc., The. (See Brandt, Carl H., assignor.)

Brandt, Carl H., assignor to The Brandt Cabinet Works, Inc., Hagerstown, Md. Console extension table. 104,240; Apr. 27.

Brandt, Carl H., assignor to The Brandt Cabinet Works, Inc., Hagerstown, Md. Console extension table. 104,241; Apr. 27.

Butterworth, H. M., et al. (See Threedy, Clarence E., assignor.)

Campbell, James M., Ozone Park, N. Y., assignor to Reynolds Metals Company, New York, N. Y. Display rack. 104,334; Apr. 27.

Canney, Frank R., and L. A. Wood, assignors to Boeing Aircraft Company, Seattle, Wash. Four-engine transport airplane. 104,335; Apr. 27.

Cermnda, Antonio, Habana, Cuba. Airplane. 104,242; Apr. 27.

Chapman, David, Chicago, Ill. Refrigerator cabinet. 104,322; Apr. 27.

Chenoweth, Ray M., E. M. Irwin, and W. P. Huntley, Los Angeles, Calif. Combination desk unit. 104,243; Apr. 27.

Conill, Fernan O., New York, N. Y. Hair waving apparatus. 104,323; Apr. 27.

Cottet, Alfred G. (See Thoma, J. A., and Cottet.)

De Lacy, Joseph M., Chicago, Ill. Liquid dispenser. 104,244; Apr. 27.

Delich, Peter, Duluth, Minn. Scarf. 104,245; Apr. 27.

Della Chiesa, Alessandro, Douglastown, N. Y., and L. P. Froehlich, East Rutherford, N. J. Spray apparatus for preventing offset in printing. 104,246; Apr. 27.

Edison, Thomas A., Incorporated. (See Banta, Dorac B., assignor.)

Elliott, Irwin, Harmon, assignor to Universal Oven Company, Incorporated, New York, N. Y. Oven front. 104,247; Apr. 27.

Erhard, Gustave F., Scranton, Pa. Textile fabric or similar article. 104,248; Apr. 27.

Farrell, W. B., Associates, Inc. (See Bacon, Edmund N., assignor.)

Forster, Percy M., Berkeley, Calif. Hanging stove. 104,249; Apr. 27.

Froehlich, Louis P. (See Della Chiesa, A., and Froehlich.)

Gartland, Leon R., Spencer, Iowa. Flower holder or similar article. 104,250; Apr. 27.

Gerard, Henry W., assignor to Sonora Electric Phonograph Co., Inc., New York, N. Y. Combined radio and phonograph cabinet or the like. 104,324; Apr. 27.

Gershune, Julius, Louisville, Ky. Shoe tree. 104,251; Apr. 27.

Gilbert, A. C., Company, The. (See Heller, Robert, assignor.)

Gilbert & Barker Manufacturing Company. (See Grimmelsen, Herman O., assignor.)

Goerlich, John E., Toledo, Ohio. Automobile heater. 104,252; Apr. 27.

Grimmelsen, Herman O., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner casing. 104,253; Apr. 27.

Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Smoking stand. 104,254; Apr. 27.

Gurvitch, Sadie E., Springfield, Mass. Cigarette. 104,255; Apr. 27.

Hauser, Emil, New York, N. Y. Seat. 104,256; Apr. 27.

Hayes, Albert Y., San Antonio, Tex. Combined constellation finder and flashlight holder. 104,257; Apr. 27.

Heidbreder, Herman H., Quincy, assignor to The Moore Corporation, Joliet, Ill. Range. 104,258; Apr. 27.

Heller, Robert, New York, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn. Electric fan or similar article. 104,259; Apr. 27.

Heller, Robert, New York, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn. Combined base and standard for electrical appliances. 104,260; Apr. 27.

Heller, Robert, New York, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn. Combined motor unit and standard for electrical appliances. 104,261; Apr. 27.

Hewes, Alanson B., New York, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Closure cap. 104,262; Apr. 27.

Hoag, O. M., et al. (See Threedy, Clarence E., assignor.)

Holt, George C., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 104,263; Apr. 27.

Holtz, Wilbur A., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 104,264; Apr. 27.

Huelat, John H., New York, N. Y. Textile fabric. 104,265; Apr. 27.
Huntley, Walter P. (See Chenother, R. M., Irwin, and Huntley.)
Irwin, Emmett M. (See Chenoweth, R. M., Irwin, and Huntley.)
Jaeger, Adolph C., Port Chester, N. Y. Textile fabric or similar article. 104,266; Apr. 27.
Jaske, Fred, Alameda, and C. M. Johnson, San Francisco, Calif. Medal or similar article. 104,267; Apr. 27.
Jaske, Fred, Alameda, and C. M. Johnson, San Francisco, Calif. Ring or similar article. 104,268; Apr. 27.
Johnson, Carl M. (See Jaske, F., and Johnson.)
King, Clifford G., Warren, R. I. Shoe lace tassel. 104,304; Apr. 27.
Kuleff, Theodore N., Valparaiso, Ind. Hose guard. 104,269; Apr. 27.
Lafond, Emile, Lewiston, Maine. Antiskid device. 104,270; Apr. 27.
Lasseter, Platt R., Hialeah, Fla. Radio lamp. 104,325; Apr. 27.
Lattner, Emert J., Cedar Rapids, Iowa. Oil burner. 104,271; Apr. 27.
Lehman, Carl E., Chicago, Ill. Faucet attachment. 104,272; Apr. 27.
Long, Leroy W., Belleville, assignor to Alderney Dairy Co., Newark, N. J. Sign. 104,273; Apr. 27.
Majewski, Joseph M., Jr., assignor to F. L. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Fruit juice extractor. 104,274; Apr. 27.
Majewski, Joseph M., Jr., assignor to F. L. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Fruit juice extractor. 104,275; Apr. 27.
Majewski, Joseph M., Jr., assignor to F. L. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Fruit juice extractor. 104,276; Apr. 27.
Moore Corporation, The. (See Heidbreder, Herman H., assignor.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Cooking range. 104,277; Apr. 27.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Cooking range. 104,278; Apr. 27.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Cooking range. 104,279; Apr. 27.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Cooking range. 104,280; Apr. 27.
Mowson, Albert G., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Bridge for an ophthalmic mounting. 104,326; Apr. 27.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 104,281; Apr. 27.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 104,282; Apr. 27.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 104,283; Apr. 27.
Müller, Ferdinand C. H., Swanton, Ohio. Game board. 104,284; Apr. 27.
Müller, Ferdinand C. H., Swanton, Ohio. Play card for games. 104,285; Apr. 27.
Ohls, Luther E., Galesburg, Ill. Casket handle or similar article. 104,286; Apr. 27.
Olayvar, Narciso S., Annapolis, Md. Musical instrument. 104,287; Apr. 27.
Olenick, Frank T., Jr., Butte, Mont. Sewing rack. 104,288; Apr. 27.
Osius, Frederick J., Miami Beach, Fla. Drink mixer. 104,289; Apr. 27.
Otto, Ferdinand P., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 104,305; Apr. 27.
Otto, Ferdinand P., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace tablecloth. 104,306; Apr. 27.
Owens-Illinois Glass Company. (See Holtz, Wilbur A., assignor.)
Patent License Corporation. (See Arenberg, Albert L., assignor.)
Paulson, Paul D., Oak Park, Ill. Fishing lure. 104,290; Apr. 27.
Pawsat, Ewald F., assignor to Wald Mfg. Co., Inc., Maysville, Ky. Chain guard for a cycle. 104,291; Apr. 27.
Pawsat, Ewald F., assignor to Wald Mfg. Co., Inc., Maysville, Ky. Bicycle mud guard or similar article. 104,292; Apr. 27.
Pawsat, Ewald F., assignor to Wald Mfg. Co., Inc., Maysville, Ky. Bicycle mud guard or similar article. 104,293; Apr. 27.
Precision Metal Workers. (See Grunwald, Albert C., assignor.)
Quaker Lace Company Inc. (See Wolf, William, assignor.)
Quaker Lace Company Incorporated. (See Otto, Ferdinand P., assignor.)
Quaker Lace Company Incorporated. (See Waterfield, James, assignor.)
Rentchler, Frances A., Mamaroneck, N. Y. Eye mask. 104,294; Apr. 27.
Reynolds Metals Company. (See Campbell, James M., assignor.)
Rival Manufacturing Company. (See Majewski, Joseph M., Jr.)
Rosenau Bros. Inc. (See Mullen, Mary, assignor.)
Rosenberg, William, New York, N. Y. Textile fabric. 104,295; Apr. 27.
Ross, Charles H., Hickory, N. C. Textile fabric. 104,307; Apr. 27.
Sarge, Julia L., New York, N. Y. Slip. 104,327; Apr. 27.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Sheaffer, W. A., Pen Company. (See Holt, George C. assignor.)
Solomon, Jacob, New York, N. Y. Blouse. 104,328; Apr. 27.
Solomon, Max, New York, N. Y. Lace. 104,308; Apr. 27.
Solomon, Max, New York, N. Y. Lace. 104,329; Apr. 27.
Sonora Electric Phonograph Co. (See Gerard, Henry W., assignor.)
Steinway & Sons. (See Zaiser, William, assignor.)
Talge, Foster L. (See Majewski, Joseph M., Jr., assignor.)
Thacher, Sheldon P., Grosse Pointe Park, Mich., assignor to United States Rubber Products, Inc., New York, N. Y. Pneumatic tire. 104,296; Apr. 27.
Thoma, Joseph A., and A. G. Cottet, Piqua, Ohio. Clock. 104,330; Apr. 27.
Threedy, Clarence E., assignor to H. M. Butterworth and O. M. Hoag, Chicago, Ill. Amusement machine cabinet. 104,297; Apr. 27.
Threedy, Clarence E., assignor to H. M. Butterworth and O. M. Hoag, Chicago, Ill. Amusement machine cabinet. 104,298; Apr. 27.
Threedy, Clarence E., assignor to H. M. Butterworth and O. M. Hoag, Chicago, Ill. Amusement machine cabinet. 104,299; Apr. 27.
Turpan, Mark, West New York, N. J. Textile fabric. 104,309; Apr. 27.
Turpan, Mark, West New York, N. J. Textile fabric. 104,310; Apr. 27.
United States Rubber Products, Inc. (See Thacher, Sheldon P., assignor.)
Universal Oven Company. (See Elliott, Irwin, assignor.)
Victor Metal Products Corporation. (See Hewes, Alanson B., assignor.)
Wagle, Lewis S., Metuchen, N. J. Oil burner. 104,333; Apr. 27.
Wald Mfg. Co. (See Pawsat, Ewald F., assignor.)
Wald Mfg. Co. (See Pawsat, Ewald F., assignor.)
Waterfield, James, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace. 104,311; Apr. 27.
Waterfield, James, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace. 104,312; Apr. 27.
Waterfield, James, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace. 104,313; Apr. 27.
Waterfield, James, assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace. 104,314; Apr. 27.
Wenett, Philip, New York, N. Y. Dress. 104,331; Apr. 27.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 104,315; Apr. 27.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 104,316; Apr. 27.
Winter, Irving A., New York, N. Y. Dress. 104,332; Apr. 27.
Wolf, William, assignor to Quaker Lace Company Inc., Philadelphia, Pa. Lace tablecloth. 104,317; Apr. 27.
Wolf, William, assignor to Quaker Lace Company Inc., Philadelphia, Pa. Lace tablecloth. 104,318; Apr. 27.
Wolf, William, assignor to Quaker Lace Company Inc., Philadelphia, Pa. Lace tablecloth. 104,319; Apr. 27.
Wolfsheim & Sachs, Inc. (See Wolfsheim, Sylvan M., assignor.)
Wolfsheim, Sylvan M., assignor to Wolfsheim & Sachs, Inc., Buffalo, N. Y. Container. 104,300; Apr. 27.
Wood, Lysle A. (See Canney, F. R., and Wood.)
Woods, Maurice J., Kalamazoo, Mich. Garment hanger. 104,301; Apr. 27.
Zaiser, William, Rockville Centre, assignor to Steinway & Sons, New York, N. Y. Piano case. 104,302; Apr. 27.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Nielsen, Carl, assignor.)
Acree, Frank M. (See Sarullo, I. P., and Dawson, assignors.)
Adams, John Q. (See Strawser, Greeley E., assignor.)
Adams, Julian C., Detroit, Mich. Display sign and method of construction. 2,078,221; Apr. 27.
Advance Paint Company. (See Kinder, Orville L., assignor.)
Agronofsky, Abraham, St. Joseph, Mo. Radio condenser. 2,078,522; Apr. 27.
Air Devices Corporation. (See Mack, Walter L., assignor.)
Aktiebolaget Kamyr. (See Richter, J. C. F. C., and Rosén, assignors.)
Aktiebolaget Spontan. (See Ljungström, Fredrik, assignor.)
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Suspension for multiwheelers. 2,078,521; Apr. 27.
Allan, Alexander B., N. Stewart, and J. M. Howie, Dunlop, Scotland. Poultry house. 2,078,593; Apr. 27.
Allegheny Steel Company. (See Otte, Otho M., assignor.)
Allen, Charles, assignor to Campbell Taggart Associated Bakeries, Inc., Kansas City, Mo. Combination push bar and sign support. 2,078,478; Apr. 27.
Allen, Hugh E., assignor of one-half to A. G. McCaleb, Evanston, Ill. Nonliquid maple flavoring material. 2,078,215; Apr. 27.
Allen, Scott E., Glen Ridge, and J. E. Rennert, Springfield, assignors to C-O-Two Fire Equipment Company, Newark, N. J. Discharge head for fluid containers. 2,078,553; Apr. 27.
Allgemiene Elektricitats Gesellschaft. (See Daene, Herbert, assignor.)
Allgemiene Elektricitats Gesellschaft. (See Ziegenbein, Wilhelm, assignor.)
Allis-Chalmers Manufacturing Company. (See Bruesewitz, Rudolph M., assignor.)
Altick, Charles D., L. D. Smiley, and E. T. Turner, assignors to Pulp Process and Development, Inc., Dayton, Ohio. System of fiber liberation. 2,078,222; Apr. 27.
American Brakeblok Corporation. (See Spokes, Ray E., assignor.)
American Centrifugal Corporation. (See Pecker, Joseph S., assignor.)
American Chicle Co. (See Jackman, Dean M., assignor.)
American Concrete and Steel Pipe Company. (See Whiting, William A., assignor.)
American Hair & Felt Company. (See Baker, James D., assignor.)
American Lumber & Treating Company. (See Wolman, K., and Pflug, assignors.)
American Optical Company. (See Wells, Joel C., assignor.)
American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)
American Rolling Mill Company, The. (See Millan, Edward N., assignor.)
American Rolling Mill Company, The. (See Tytus, J. B., and Hudson, assignors.)
American Sales Book Company. (See Pringle, W. A., and Manuel, assignors.)
American Smelting and Refining Company. (See Betterton, J. O., and Lebedeff, assignors.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Talking Wire Company. (See Woodmansee, G. C. and C. G., assignors.)
American Zirconium Corporation. (See Richter, Hartmut W., assignor.)
Anderson, Charles A. (See de Weal, A., Krag, and Anderson.)
Anderson, Harry O., assignor to Norton Company, Worcester, Mass. Abrasive wheel and manufacture. 2,078,436; Apr. 27.
Anderson, Harry O., assignor to Norton Company, Worcester, Mass. Abrasive wheel. 2,078,437; Apr. 27.
Andrew, William K., Wauwatosa, Wis. Machine for forming and applying liquid spray. 2,078,223; Apr. 27.
Apollo Steel Company. (See Pisarcik, Paul K., assignor.)
Applegarth, Edward M. (See Michel, Henry M., assignor.)
Appleton Wire Works, Inc. (See Buchanan, William E., assignor.)
Arce, Carlos M., Buenos Aires, Argentina. Elastic wheel for vehicles in general. 2,078,554; Apr. 27.
Arendt, Morton, New York, N. Y. Gas electric vehicle. 2,078,362; Apr. 27.
Armitage, James A., Houston, Tex. Pump. 2,078,435; Apr. 27.
Armstrong Bros. Tool Co. (See Welter, Sebastian J., assignor.)
Arnold, Edwin E. (See Burr, G. A., and Arnold.)
Arnold, Philip S., Flint, Mich. Automatic oil burner control. 2,078,305; Apr. 27.
Arnsparger, Otha D., Youngstown, Ohio. Truss. 2,078,523; Apr. 27.
Aro Equipment Corporation, The. (See Eastman, Ivan L., assignor.)
Arrow Safety Device Company. (See Haines, John R., assignor.)
Ashton, Philip E., C. B. Perkins, and C. A. Lind, assignors to The Cuno Engineering Corporation, Meriden, Conn. Filter apparatus. 2,078,524; Apr. 27.
Ashton, Ward, Ottawa, Ontario, Canada, assignor to H. G. Ketchum, Luzerne, N. Y. Tagging animals and particularly poultry. 2,078,827; Apr. 27.
Athey Truss Wheel Company. (See Kuchar, Joseph, assignor.)
Atlas Imperial Diesel Engine Company. (See Seagren, John, assignor.)
Atlas Powder Company. (See Bucy, Edmond H., assignor.)
Atwood, Harry D., assignor of one-half to J. C. Trimby, Detroit, Mich. Copy printing mechanism. 2,078,224; Apr. 27.
Austin, Bascum O., Forest Hills, and N. H. Willby, Irwin, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,078,216; Apr. 27.
Auto-Turn-Lite Corporation. (See Nielsen, H. H., and Kruder, assignors.)
Baalmann, Roderick O., St. Louis, Mo. Drill sharpener. 2,078,306; Apr. 27.
Baer, Charles H., and H. M. Connor, assignors to Connor Spring Manufacturing Co., San Francisco, Calif. Spring machinery. 2,078,828; Apr. 27.
Bagpak, Inc. (See Briggs, Howland F., assignor.)
Baker, James D., assignor to American Hair & Felt Company, Chicago, Ill. Car construction. 2,078,787; Apr. 27.
Bancroft, Frank E., Withington, Manchester, England, assignor to Metropolitan-Vickers Electrical Company, Limited. Diffusion vacuum pump. 2,078,788; Apr. 27.
Bannock, Charles F., Syracuse, N. Y. Foot measuring instrument. 2,078,368; Apr. 27.
Barbieri, Cesare. (See Nafash, Morris S., assignor.)
Barbieri, Cesare, New York, N. Y. Production of amines by emulsion method. 2,078,555; Apr. 27.
Bareiss, Max, Newark, N. J., assignor to Raytheon Manufacturing Company, Newton, Mass. Starting circuits for electrical space discharge tubes. 2,078,363; Apr. 27.
Barghausen, Louis H., Pittsburgh, Pa. Artificial limb. 2,078,594; Apr. 27.
Barghausen, Louis H., Pittsburgh, Pa. Artificial leg. 2,078,595; Apr. 27.
Barr, John L., Chevy Chase, Md., and J. C. Houghton, Washington, D. C., said Houghton assignor to said Barr. Mechanism to aid steering. 2,078,596; Apr. 27.
Barratt, Frederick R., Krugersdorp, Transvaal, Union of South Africa. Supporting and driving tubular grinding mills. 2,078,829; Apr. 27.
Bates, Lloyd G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Forming hollow glassware. 2,078,919; Apr. 27.
Bauer, Perry S., Chicago, Ill. Shoe heel. 2,078,626; Apr. 27.
Baxter, Howard F., assignor to Baxter Laundries Corporation, Grand Rapids, Mich. Detachably suspended bag. 2,078,438; Apr. 27.
Baxter Laundries Corporation. (See Baxter, Howard F., assignor.)
Baxter, William R., assignor to The Empire Plow Company, Cleveland, Ohio. Highway guardrail construction. 2,078,704; Apr. 27.
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for covering heels. 2,078,307; Apr. 27.
Beaumont, John M., Huddersfield, England. Hydraulic power transmission mechanism. 2,078,597; Apr. 27.
Becker, Frederick P., Chicago, Ill., J. M. Nickelsen, Ann Arbor, Mich., and A. Boor, Toledo, Ohio, assignors to Monroe Auto Equipment Company, Monroe, Mich. Direct acting shock absorber. 2,078,364; Apr. 27.
Behle, Casper, Terre Haute, Ind. Door linking means. 2,078,308; Apr. 27.
Belden, Albert G., assignor to Norton Company, Worcester, Mass. Steadyrest for grinding machines. 2,078,556; Apr. 27.

Belden, Albert G., assignor to Norton Company, Worcester, Mass. Roll grinding machine. 2,078,705; Apr. 27.
Benner, Raymond C., and R. L. Melton, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Production of abrasive material. 2,078,831; Apr. 27.
Benner, Raymond C., Niagara Falls, O. L. Mahlman, Kenmore, and W. D. Rossow, assignors, by mesne assignments, to The Carborundwum Company, Niagara, Falls, N. Y. Manufacture of abrasive articles. 2,078,830; Apr. 27.
Benner, Verne W. (See Grayson, E. C., and Benner.)
Bennett, Charles A., Stoneville, Miss., dedicated to the free use of the people of the United States. Apparatus for drying seed cotton. 2,078,309; Apr. 27.
Bennett, John P., and E. C. Happold, Birmingham, England, assignors to Hookless Fastener Company. Slide fastener. 2,078,889; Apr. 27.
Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Spinning spindle. 2,078,789; Apr. 27.
Bernesser, Vincent, Shandaken, N. Y. Wrench. 2,078,750; Apr. 27.
Berres, John J., Two Rivers, Wis. Snow removing attachment for trucks. 2,078,310; Apr. 27.
Best Foods, Inc., The. (See Haurand, Carl H., assignor.)
Best, John H., & Sons, Inc. (See Best, Leon H., assignor.)
Best, Leon H., assignor to John H. Best & Sons, Inc., Galva, Ill. Display truck. 2,078,217; Apr. 27.
Betterton, Jesse O., and Y. E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Decopperizing lead with phosphorus. 2,078,225; Apr. 27.
Biggert, Florence C., Jr., Crafton, and C. F. Buente, Pittsburgh, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Making strip. 2,078,365; Apr. 27.
Biles, Edgar V., assignor of twenty-nine one-hundredths to C. H. Graham, and twenty one-hundredths to J. P. Willson, San Antonio, Tex. Road roller. 2,078,900; Apr. 27.
Binger, Charles A., assignor of one-half to H. Unger, and one-half to C. Binger, New York, N. Y. Mailing device with reply member. 2,078,873; Apr. 27.
Binger, Charlotte, et al. (See Binger, Charles A., assignor.)
Bjorkman, Germaine M., New York, N. Y. Lady's traveling case. 2,078,557; Apr. 27.
Blackledge, John W., Chicago, Ill. Toy and apparatus for manufacturing the same. 2,078,439; Apr. 27.
Blashill, Arthur E., Withington, Manchester, England. Wire fabric making machine. 2,078,226; Apr. 27.
Blaxton, George L. (See McCauley, Irvin D., assignor.)
Blazek, John Y., Maple Heights, and R. J. Kuschel, Cleveland, assignors to Lempco Products, Inc., Bedford, Ohio. Clamping means. 2,078,598; Apr. 27.
Block, Louis, and M. Metziger, assignors to Blockson Chemical Co., Joliet, Ill. Manufacture of dicalcium phosphate. 2,078,627; Apr. 27.
Blockson Chemical Co. (See Block, L., and Metziger, assignors.)
Blum, Harry, assignor to Harry Blum's Natural Bloom, Inc., New York, N. Y. Cigar and wrapper. 2,078,227; Apr. 27.
Blum's, Harry, Natural Bloom, Inc. (See Blum, Harry, assignor.)
Bong, Robert H., Otahuhu, New Zealand. Cushion rubber heel. 2,078,311; Apr. 27.
Boaler, William H. (See Guyler, A. F., and Boaler.)
Bockmuhl, Max, and L. Stein, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Salts of 5-pyrazolone-4-aminomethyl-sulphonic acids. 2,078,440; Apr. 27.
Boker, Vitus A., Minneapolis, Minn. Punch press mechanism. 2,078,706; Apr. 27.
Bokovoy, Samuel A., Audubon, and P. D. Gerber, Woodlynne, N. J., assignors to Radio Corporation of America. Mounting for piezo-electric elements. 2,078,229; Apr. 27.
Bolk, Willem, assignor to Naamlooze Vennootschap Maatschappij tot Exploitatie van "ten Bosch Octroolen N. V.", Arnhem, Netherlands. Process and a device for manufacturing briquettes by compression. 2,078,832; Apr. 27.
Bolton, Archer Le R., North Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Intercepting member for paper stock treating machines. 2,078,218; Apr. 27.
Bolton, John W., & Sons, Inc. (See Bolton, Archer Le R., assignor.)
Bonner, Willis, Duncan, Okla. Air conditioner. 2,078,833; Apr. 27.
Boor, Arthur. (See Becker, F. P., Nickelsen, and Boor.)
Boor, Arthur, Toledo, Ohio, assignor to Monroe Auto Equipment Company, Monroe, Mich. Sway bar construction. 2,078,367; Apr. 27.
Borell, Raleigh A., Berkeley, Calif. Carburetor screen. 2,078,558; Apr. 27.
Borgeson, Sidney E., Rome, assignor to General Cable Corporation, New York, N. Y. Method and apparatus for sheathing cores. 2,078,228; Apr. 27.
Borg-Warner Corporation. (See Reed, Harold V., assignor.)
Bound, Harry H., Lakewood, assignor to The Cleveland Welding Company, Cleveland, Ohio. Method of and apparatus for striping wheels. 2,078,366; Apr. 27.
Bousquet, Euclid W., Wilmington, and W. A. Lazier, Marshallton, assignors to E. I. du Pont de Nemours Company, Wilmington, Del. Hydrogenating substituted aromatic alcohols. 2,078,230; Apr. 27.
Bov, Raphael F. (See Schrader, H. J., and Bov.)
Braunschweig, Frederick W., South Gate, Calif. Inflatable luminair shade. 2,078,707; Apr. 27.
Brennan, Edward J., Springfield, Ill. Radio scrip control device. 2,078,834; Apr. 27.
Brennan, Robert, Auckland, New Zealand. Telephonic time announcer. 2,078,312; Apr. 27.
Briggs, Howland F., Buffalo, assignor to Bagpak, Inc., New York, N. Y. Bag filling machine. 2,078,313; Apr. 27.
Briggs, John E., Detroit, Mich. Water control for boilers. 2,078,479; Apr. 27.
Brinton, H., Company. (See Holmes, Henry H., assignor.)
Brisbane, Eugene C., assignor to S. Morgan Smith Company, York, Pa. Valve. 2,078,231; Apr. 27.
Brisson, Louis C., Neuilly-sur-Seine, assignor to Société Anonyme; Société des Freins Hydrauliques S. De Lavaud, Paris, France. Resilient wall. 2,078,835; Apr. 27.
Bristol Company, The. (See Hubbard, Walter N., assignor.)
Brooker, Leslie G. S., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic emulsion. 2,078,233; Apr. 27.
Brown, Alexander H., Jr., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y. Inductive control circuits. 2,078,232; Apr. 27.
Bruesewitz, Rudolph M., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Penetrating fibrous material. 2,078,525; Apr. 27.
Buchanan, William E., assignor to Appleton Wire Works, Inc., Appleton, Wis. Method and apparatus for joining wire cloth. 2,078,369; Apr. 27.
Bucy, Edmond H., Waukegan, Ill., assignor, by mesne assignments, to Atlas Powder Company, Wilmington, Del. Offset process. 2,078,790; Apr. 27.
Bucyrus-Erie Company. (See Stiehl, C. E., and Lehman, assignors.)
Budlong, Simeon. (See Stauffer, C. F., and Budlong.)
Buena Vista Iron Company. (See Fox, B., and Ericson, assignors.)
Buente, Charles F. (See Biggert, F. C., Jr., and Buente.)
Burgess, C. F., Laboratories Inc. (See Day, John A., assignor.)
Burgess C. F., Laboratories, Inc. (See Norris, Ralph F., assignor.)
Burks, Arthur W., Decatur, Ill. Deep well pump. 2,078,480; Apr. 27.
Burns, Samuel R. (See Ragot, Charles L., assignor.)
Burr, Gordon A., Wilkinsburg, and E. E. Arnold, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Bushing sealing cap. 2,078,219; Apr. 27.
Burton, Milton, assignor, by mesne assignments, to Eugene, Ltd., New York, N. Y. Permanent waving apparatus. 2,078,559; Apr. 27.
Buschbeck, Werner, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Variable antenna tuned to an odd number of quarter waves. 2,078,234; Apr. 27.
Busche, Frederick C., Oakland, Calif. Wrapping machine. 2,078,314; Apr. 27.
Butterworth System Incorporated. (See Fletcher, William D., assignor.)
Butterworth System Incorporated. (See George, Leonard B., assignor.)
C-O-Two Fire Equipment Company. (See Allen, S. E., and Rennert, assignors.)
Caldwell, Glenn A., Swissvale, and G. R. Shaw, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,078,220; Apr. 27.
Calvert, William C., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Manufacturing rubber hydrochloride films. 2,078,526; Apr. 27.
Campbell Taggart Associated Bakeries, Inc. (See Allen, Charles, assignor.)
Caradine Hat Company. (See Riebold, Kasper J., assignor.)
Carborundum Company, The. (See Benner, R. C., Mahlman and Rossow, assignors.)
Carborundum Company, The. (See Benner, R. C., and Melton, assignors.)
Carlsen, Carl E., New York, N. Y. Hand operated printing press. 2,078,751; Apr. 27.
Carlson, Bert G., Queens Village, N. Y., and L. F. Carter, Leonia, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Artificial horizon. 2,078,560; Apr. 27.
Carlson, Oscar F., assignor to Oscar F. Carlson Company, Chicago, Ill. Limit switch. 2,078,441; Apr. 27.
Carlson, Oscar F., Company. (See Carlson, Oscar F., assignor.)

Carter, John D., Lansdowne, assignor to Philadelphia Quartz Company, Philadelphia, Pa. Silicates of alkali metals and producing them. 2,078,836; Apr. 27.
Carter, Leslie F. (See Carlson, B. G., and Carter.)
Carter, Wilber A., Detroit, Mich. Mechanism for utilizing the energy of a current of fluid. 2,078,837; Apr. 27.
Cavalletti, Eubole, Milan, Italy. Apparatus for making infusions. 2,078,561; Apr. 27.
Celanese Corporation of America. (See Guyler, A. F., and Boaler, assignors.)
Celanese Corporation of America. (See Schneider, George, assignor.)
Celanese Corporation of America. (See Weinberg, Leon W., assignor.)
Celluloid Corporation. (See Shuman, Royal L., assignor.)
Central Republic Trust Company, et al., executors. (See Friendly, Herbert M.)
Chanavier, Philip, River Rouge, Mich. Auxiliary air inlet. 2,078,481; Apr. 27.
Chapman, Frank D., Berlin, Wis. Hydraulic apparatus. 2,078,235; Apr. 27.
Chapman, Frank D., Berlin, Wis. Can transporting device. 2,078,236; Apr. 27.
Chase, Wilfred O., Detroit, Mich. Self feeding carburetor. 2,078,901; Apr. 27.
Chayes, Nathan. (See Wahlberg, John, assignor.)
Chemical Foundation, Incorporated, The. (See Fulmer, E. I., Christensen, and Hixon, assignors.)
Chemische Fabrik von Heyden, A. G. (See Gebauer, Rudolf, assignor.)
Chicago Forging & Manufacturing Co. (See Mears, Norton A., assignor.)
Chicago Transformer Corporation. (See Leidy, Wilmer J., assignor.)
Christensen, Chris T., Alhambra, Calif., assignor, by decree of Court, to M. T. Christensen. Sand and mud separator and mixer for well drilling. 2,078,752; Apr. 27.
Christensen, Leo M. (See Fulmer, E. I., Christensen, and Hixon.)
Christensen, Mary T. (See Christensen, Chris T., assignor.)
Christenson, Frank, Jamaica, N. Y., and H. N. Clark, Boundbrook, N. J. Refractory heat insulation. 2,078,753; Apr. 27.
Christy, George C., Chicago, Ill. Door controlling device. 2,078,838; Apr. 27.
City National Bank and Trust Company, et al., trustees. (See Friendly, Herbert M., assignor.)
Clark Bottom Hole Intermitter Company. (See Clark, William L., assignor.)
Clark, Horace N. (See Christensen, F., and Clark.)
Clark, Mary L., Baltimore, Md. Portable food carrier and heater. 2,078,650; Apr. 27.
Clark, William L., Oklahoma City, Okla., assignor to Clark Bottom Hole Intermitter Company. Bottom hole intermitter. 2,078,482; Apr. 27.
Clarke, Louis A., Fishkill, N. Y., assignor to The Texas Company, New York, N. Y. Solvent refining of mineral oil. 2,078,442; Apr. 27.
Clem, Benjamin H., assignor of forty-nine per cent to The J. A. Flaig Lumber Co., New Madison, Ohio. Oscillating device for egg containers. 2,078,443; Apr. 27.
Cleveland Heater Company, The. (See Smith, Joseph A., assignor.)
Cleveland Steel Barrel Company, The. (See Courtright, H. F., and Stiles, assignors.)
Cleveland Steel Products Corporation. (See Slaght, William W., assignor.)
Cleveland Welding Company, The. (See Bound, Harry H., assignor.)
Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Rubber compound and preserving it. 2,078,527; Apr. 27.
Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Rubber composition and preserving it. 2,078,528; Apr. 27.
Clipshave Inc. (See Hanley, John A., assignor.)
Cluett, Peabody & Co. (See Cluett, Sanford L., assignor.)
Cluett, Sanford L., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Cloth finishing. 2,078,529; Apr. 27.
Cluett, Sanford L., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Cloth shrinking. 2,078,904; Apr. 27.
Cohen, Abraham, and A. Evans, New York, N. Y. Casting. 2,078,562; Apr. 27.
Collins, Douglas, Salisbury, N. C. Clutch. 2,078,600; Apr. 27.
Colonial Broach Company. (See Halborg, Carl J., assignor.)
Colonial Industries of New Jersey, Inc. (See Lundgren, Frank J., assignor.)
Coltman, Harry, Nelson, New Zealand. Automatic control valve. 2,078,315; Apr. 27.
Compo Shoe Machinery Corporation. (See Smith, John F., assignor.)
Conant, Charles W., and L. M. Thompson, Portland, Maine. Dough rolling appliance. 2,078,839; Apr. 27.
Conmar Products Corporation. (See Ulrich, Frederick, assignor.)
Connolly, Bernard F., New York, N. Y. Shaving apparatus. 2,078,563; Apr. 27.
Connor, Herschel M. (See Baer, C. H., and Connor.)
Connor Spring Manufacturing Co. (See Baer, C. H., and Connor, assignors.)
Consolidated Molded Products Corporation. (See Richards, Frank A., assignor.)
Continental Optical Company. (See Soden, Fred H., assignor.)
Conway, Martin H., et al. (See Hart, Charles, assignor.)
Copeland Refrigeration Corporation. (See Replogle, John R., assignor.)
Corbett, Alfred, Irwin, Pa., assignor to National Electric Products Corporation. Reflector assembly. 2,078,370; Apr. 27.
Courtright, Harry F., Shaker Heights, and C. S. Stiles, Cleveland Heights, assignors to The Cleveland Steel Barrel Company, Cleveland, Ohio. Container. 2,078,530; Apr. 27.
Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 2,078,628; Apr. 27.
Crocker, James A., Jr., Water Valley, Miss. Belt buckle. 2,078,651; Apr. 27.
Crosti, Pietro, Milan, Italy. Multiple unit steam locomotive with boilers arranged in thermal cascade and with cycles equilibrated by thermal valves. 2,078,564; Apr. 27.
Crown Cork & Seal Company. (See Sebell, Harry, assignor.)
Cruickshank, Albert A., et al. (See Grigg, Arthur M., assignor.)
Cuddon-Fletcher, Angus H., Somerton Hall, near Great Yarmouth, England. Rotary cylindrical valve. 2,078,723; Apr. 27.
Cuno Engineering Corporation, The. (See Ashton, P. E., Perkins, and Lind, assignors.)
Cutler-Hammer, Inc. (See Krieger, Alvin W., assignor.)
Cutting, Richard H., Cleveland, Ohio. Drafting T-square. 2,078,601; Apr. 27.
Cypra, Helmut, Berlin-Hermsdorf, Germany, assignor to General Electric Company. Electric valve translating circuit. 2,078,791; Apr. 27.
Daene, Herbert, Berlin-Wilmersdorf, assignor to Allgemiene Elektricitats Gesellschaft, Berlin, Germany. Electron discharge device. 2,078,371; Apr. 27.
Dalmer, Otto, and H. Wieters, Darmstadt, Germany, assignors to Merck & Co., Inc., Rahway, N. J. Production of ascorbic acid. 2,078,237; Apr. 27.
Daubert, Banks A., Hartleton, Pa. Distilling apparatus. 2,078,914; Apr. 27.
Davies, Henry H. (See Marsh, S. W., and Davies.)
Davis, George C., assignor of one-third to P. N. Orton and one-third to P. G. Scofes, Lansing, Mich. Blinking light system. 2,078,372; Apr. 27.
Dawson, Jerome. (See Sarullo, I. P., and Dawson.)
Day, John A., Birmingham, Mich., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill. Silencer. 2,078,754; Apr. 27.
De Groote, Melvin, St. Louis, and B. Keiser, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,078,652; Apr. 27.
De Groote, Melvin, St. Louis, and B. Keiser, assignors to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,078,653; Apr. 27.
De Groote, Melvin, St. Louis, assignor to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,078,654; Apr. 27.
De Groote, Melvin, St. Louis, assignor to Tretolite Company, Webster Groves, Mo. Breaking petroleum emulsions. 2,078,655; Apr. 27.
De Lorme, Alfred C., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Control device. 2,078,629; Apr. 27.
Demonet, Eugene A., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Call box. 2,078,902; Apr. 27.
De Weal, Andre, F. K. Krag, and C. A. Anderson, Chicago, Ill.; said Krag and said Anderson assignors to said De Weal. Pump construction. 2,078,483; Apr. 27.
Dobson, Smith W., Stockton, Calif. Egg cleaner. 2,078,484; Apr. 27.
Domack, Lawrence C., assignor of forty per cent to K. Weiler, Elmwood Park, Ill. Seat for valves. 2,078,903; Apr. 27.
Dominion Truck Equipment Co. Limited. (See Gurton, W. S., Plint, and Nyberg, assignors.)
Dopyera, Rudolph. (See Stimson, Arthur J., assignor.)
Dorl, Friedrich W. O., and A. Schnitzler, assignors to the Corporation of Junker & Ruh A.-G., Karlsruhe in Baden, Germany. Vaportight exteriorly heated electric baking oven. 2,078,840; Apr. 27.
Dorton, John M., Bonner Springs, Kans. Adjustable chair. 2,078,373; Apr. 27.
Dow Chemical Company, The. (See Dreisbach, Robert R., assignor.)
Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Separation of ethylene from its homologues. 2,078,238; Apr. 27.
Dressel, Henry M., Oak Park, assignor to Oak Manufacturing Company, Chicago, Ill. Vibrator. 2,078,316; Apr. 27.
Dresser, S. R., Manufacturing Company. (See Ochtman, Leonard, Jr., assignor.)

Drobnlewsky, John, Mount Vernon, N. Y. Arrow glider. 2,078,374; Apr. 27.
Dubilier Condenser Corporation. (See Pitt, Arthur T., assignor.)
Dunham, Ansel W., Rock Island, Ill. Composite highway beam construction. 2,078,485; Apr. 27.
Dunlap, James W. (See Spencer, William F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bousquet, E. W., and Lazier, assignors.)
Du Pont, E. I., de Nemours & Company. (See Kern, Jean G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Oplinger, Floyd F., assignor.)
Dupuis, Charles W., Chicago, Ill. Locking device. 2,078,724; Apr. 27.
Duro Company, The. (See Zimmerman, Arthur C., assignor.)
Dürst, Emanuel and O., Liestal, and M. Thieme, Magdeburg, Germany. Vacuum press and the like. 2,078,565; Apr. 27.
Dürst, Oskar. (See Dürst, Emanual and O., and Thieme.)
Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening forming and delivering mechanism. 2,078,317; Apr. 27.
Eastman, Ivan L., assignor to The Aro Equipment Corporation, Bryan, Ohio. Oil dispensing apparatus. 2,078,486; Apr. 27.
Eastman Kodak Company. (See Brooker, Leslie G. S., assignor.)
Eastman Kodak Company. (See Malm, Carl J., assignor.)
Eastman Kodak Company. (See Mannes, L. D., and Godowsky, assignors.)
Eclipse Machine Company. (See Maurer, Paul H., assignor.)
Econolite Corporation. (See Pendelton, Edwin H., assignor.)
Eisinga, Dirk, Glendale, Calif., assignor to National Steel Construction Co., Seattle, Wash. Thermostatic switch. 2,078,531; Apr. 27.
Eisler, Charles, South Orange, N. J. Machine for making coils of wire. 2,078,630; Apr. 27.
Eldridge, Frank G., Newburgh, N. Y. Check valve. 2,078,375; Apr. 27.
Electric Auto-Lite Company, The. (See Liner, Joseph I., assignor.)
Electro-Acoustic Products Company. (See Freimann, F., and Friesner, assignors.)
Electrolux Corporation. (See Karlström, Fredrik J. R., assignor.)
Ellegood, Joseph A. (See Felstein, M., and Ellegood.)
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Ether resins. 2,078,239; Apr. 27.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Emms, Charles, London, England. Vest or waistcoat. 2,078,725; Apr. 27.
Empire Plow Company, The. (See Baxter, Wiliam R., assignor.)
Erickson, Hjalmar, Cambridge, Mass. Book indexing machine. 2,078,656; Apr. 27.
Ericson, Charles E. (See Fox, B., and Ericson.)
Erwin, Weldon C. (See Sweet, Cecil H., assignor.)
Eugene, Ltd. (See Burton, Milton, assignor.)
Evans, Abraham. (See Cohen, A., and Evans.)
Evans Products Company. (See Tobin, Kenneth J., assignor.)
Fagan, Joseph T., Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work supporting mechanism. 2,078,318; Apr. 27.
Farnham, Ralph A., Herkimer, N. Y. Protective article of manufacture. 2,078,488; Apr. 27.
Fauth, Philipp L., Wiesbaden-Dotzheim, Germany, assignor to Gesellschaft zur Verwertung Fauth'scher Patente m. b. H., Wiesbaden, Germany. Apparatus for continuous distillation and deodorization. 2,078,841; Apr. 27.
Fearnside, Ralph S., Detroit, Mich., assignor to Surface Combustion Corporation, Toledo, Ohio. Continuous heat-treating furnace. 2,078,905; Apr. 27.
Fedor, John V., McKees Rock, Pa., assignor of one-half to E. R. Walton, Jr., Washington, D. C. Automatic selector for radio receiving sets and like devices. 2,078,487; Apr. 27.
Fedor, Mike, Jr., Dayton, Ohio. Resistance color code chart. 2,078,602; Apr. 27.
Fehrle, Alfred. (See Streitwolf, K., Fehrle, and Herrman.)
Felstein, Milton, and J. A. Ellegood, assignors of one-third to J. S. Gibson, Washington, D. C. Timing device for telephones. 2,078,603; Apr. 27.
Fischer, Wilhelm O. L., assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Ballast water recovery for airships. 2,078,532; Apr. 27.
Fitz Gerald, Alan S., Wynnewood, Pa., assignor to General Electric Company. Electric timing and counting device. 2,078,792; Apr. 27.
Flaherty, Harold J., Sangus, Mass., assignor to General Electric Company. Lighting fixture. 2,078,793; Apr. 27.
Flaig, J. A., Lumber Co., The. (See Clem, Benjamin H., assignor.)
Fleming, James S. B., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Manufacture of safety explosives. 2,078,240; Apr. 27.
Fletcher, William D., Staten Island, assignor, by mesne assignments, to Butterworth System Incorporated. Apparatus for washing the interior of tanks. 2,078,566; Apr. 27.
Flex-O-Tube Co., The. (See Miller, William H., assignor.)
Flowers, Henry F., Findlay, Ohio. Tandem wheeled truck. 2,078,915; Apr. 27.
Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding machine table reciprocating mechanism. 2,078,757; Apr. 27.
Follett, Frank E., La Fayette, Ind. Dental fountain. 2,078,890; Apr. 27.
Foote Company, The. (See Lundbye, Axel E., assignor.)
Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Electric generator construction. 2,078,376; Apr. 27.
Ford Motor Company. (See Ford, Henry, assignor.)
Ford Motor Company. (See Sheldrick, Laurence S., assignor.)
Foregger, Richard V., Roslyn, N. Y. Oxygen emergency apparatus. 2,078,567; Apr. 27.
Forestner, Helen M. (See Price, M. B., and Forestner.)
Forestner, John J., Jr., et al. (See Price, M. B., and Forestner, assignors.)
Forss, Frithiof P., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Safety stop for balancers. 2,078,489; Apr. 27.
Fort Orange Paper Company. (See Peters, William H., assignor.)
Fort Orange Paper Company. (See Schleber, Louis E., assignor.)
Forter, Samuel A., Belevue, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Method and apparatus for melting. 2,078,794; Apr. 27.
Forter, Samuel A., Bellevue, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Method and apparatus for melting. 2,078,795; Apr. 27.
Fox, Benjamin, Wollaston, and C. E. Ericson, Quincy, Mass., assignor, by mesne assignments, to Buena Vista Iron Company. Apparatus for evaporating and distilling. 2,078,377; Apr. 27.
Frank, Harrison J. L., Detroit, Mich. Switching device. 2,078,319; Apr. 27.
Fredericksen, James P., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting machine. 2,078,320; Apr. 27.
Frederics, Ernest O., Bronxville, N. Y. Hair waving heater. 2,078,758; Apr. 27.
People of the United States, Free use of the. (See Bennett, Charles A., assignor.)
Freimann, Frank, and J. L. Friesner, assignors to Electro-Acoustic Products Company, Fort Wayne, Ind. Loudspeaker mounting. 2,078,321; Apr. 27.
Friedman, Jacob P., Bronx, N. Y., assignor to Hookless Fastener Company. Closure. 2,078,874; Apr. 27.
Friendly, H. M., deceased, Chicago, Ill., M. S. Friendly and Central Republic Trust Company, executors, assignors, by mesne assignments, to M. S. Friendly, Chicago, Ill., O. N. Friendly, Salt Lake City, Utah, and City National Bank and Trust Co., Chicago, Ill., as trustees. Automatic telephone system. 2,078,842; Apr. 27.
Friendly, Milton S., et al, executors. (See Friendly, Herbert M.)
Friendly, Milton S., et al, trustees. (See Friendly, Herbert M., assignor.)
Friendly, Oscar N., et al, trustees. (See Friendly, Herbert M., assignor.)
Friesner, John L. (See Freimann, F., and Friesner.)
Friess, Gustave A., Rye, N. Y., assignor to News Syndicate Co. Inc., New York, N. Y. Apparatus for and cooling a printing couple. 2,078,378; Apr. 27.
Fritsche, John, and J. C. Hadik, Philadelphia, Pa. Match vending machine. 2,078,490; Apr. 27.
Frolich, Per K., Elizabeth, N. J., assignor to Standard Oil Development Company. Coating fuel to prevent dusting and product thereof. 2,078,755; Apr. 27.
Frolois, Pierre, Brussels, Belgium. Apparatus for supersaturating with carbon dioxide, liquids such as wines. 2,078,843; Apr. 27.
Fulmer, Ellis I., L. M. Christensen, and R. M. Hixon, Ames, Iowa, assignors to The Chemical Foundation, Incorporated. Production of furfural. 2,078,241; signor.)
Gage, George A., Tulsa, Okla. Oil well pump. 2,078,322; Apr. 27.
Gage, John E., and J. K. Roedel, Pasadena, Calif. Centrifugal strainer. 2,078,604; Apr. 27.
Gagne, Gideon R., assignor to Snap-On Tools, Inc., Kenosha, Wis. Locking device. 2,078,631; Apr. 27.
Galloway, Cecil G. H. (See Naden, James H., assignor.)
Gamble, Fern-Dell, Los Angeles, Calif. Shoe protector. 2,078,444; Apr. 27.
Gamel, Gayne D., Pittsburgh, and H. J. Lingal, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic reclosing circuit interrupter. 2,078,657; Apr. 27.

Gardian, Harold H., Akron, Ohio. Cigarette and necktie holder. 2,078,844; Apr. 27.
Gates, Louis W. (See Klarmann, E., and Gates.)
Gebauer, Rudolf, Dresden, assignor to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany. C-amino-substituted barbituric acid derivatives and making the same. 2,078,323; Apr. 27.
General Aniline Works, Inc. (See Kränzlein, G., and Meissner, assignors.)
General Aniline Works, Inc. (See Zerweck, W., Korten, and Schubert, assignors.)
General Cable Corporation. (See Borgeson, Sidney E., assignor.)
General Electric Company. (See Bergman, Sven R., assignor.)
General Electric Company. (See Cypra, Helmut, assignor.)
General Electric Company. (See Fitz Gerald, Alan S., assignor.)
General Electric Company. (See Flaherty, Harold J., assignor.)
General Electric Company. (See Greentree, C. D., and Mead, assignors.)
General Electric Company. (See Gunther, Clarence A., assignor.)
General Electric Company. (See Hehlgans, Friedrich W., assignor.)
General Electric Company. (See Juchter, Pieter, assignor.)
General Electric Company. (See Lum, Walter O., assignor.)
General Electric Company. (See Mayr, Otto, assignor.)
General Electric Company. (See Merrill, Frank W., assignor.)
General Electric Company. (See Puffer, Samuel R., assignor.)
General Electric Company. (See Ruggles, William A., assignor.)
General Electric Company. (See Sprenger, G. W., and Truesdell, assignors.)
General Electric Company. (See Welch, Alfred F., assignor.)
General Electric Company. (See Willheim, Raoul, assignor.)
General Explosives and Powder Corporation. (See Miller, F. E., and McLeod, assignors.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Tweedale, Ralph L., assignor.)
George, Leonard B., Staten Island, N. Y., assignor, by mesne assignments, to Butterworth System Incorporated. Apparatus for washing tanks. 2,078,568; Apr. 27.
Gerber, Paul D. (See Bokovoy, S. A., and Gerber.)
Gesellschaft zur Verwertung Fauth'scher Patente m. b. H. (See Fauth, Philipp L., assignor.)
Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Resilient suspension for mechanical units. 2,078,445; Apr. 27.
Gibney, Joseph W., assignor to Russell, Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y. Making nut blanks. 2,078,658; Apr. 27.
Gibson, James S. (See Felstein, M., and Ellegood, assignors.)
Glidden Company, The. (See Rhodes, Herbert L., assignor.)
Glidden Company, The. (See Smedley, Carl R., assignor.)
Godowsky, Leopold, Jr. (See Mannes, L. D., and Godowsky.)
Goldschmidt, Rudolf, London, England. Safety razor and vibratory motor therefor. 2,078,845; Apr. 27.
Golphin, Robert, Montreal, Quebec, Canada. Fender. 2,078,679; Apr. 27.
Gomboror, Estelle W. (See Williams, Villor P., assignor.)
Goodale, Paul L. (See Reardon, J. V., and Goodale.)
Goodrich, B. F., Company, The. (See Schade, James W., assignor.)
Goodyear-Zeppelin Corporation. (See Fischer, Wilhelm O. L., assignor.)
Goss Printing Press Company, The. (See Crafts, Curtis S., assignor.)
Goulding, Stephen S., and W. D. McKale, said McKale assignor to M. Vitos, Lansing, Mich. Battery terminal clamp. 2,078,846; Apr. 27.
Graham, Carl H., et al. (See Biles, Edgar V., assignor.)
Graham, Thomas R., Lakewood, assignor to E. S. Lindemann, Shaker Heights, Ohio, trustee. Demountable partition construction. 2,078,491; Apr. 27.
Gray, Trumon G., Seneca, S. C. Top roller clearer. 2,078,847; Apr. 27.
Grayson, Ellison C., and V. W. Benner, St. Paul, Minn. Mobile apparatus for icing refrigerator vehicles. 2,078,379; Apr. 27.
Greenawalt, Lewis J. (See Parr, B. F., and Greenawalt.)
Greentree, Charles D., and M. S. Mead, Jr., Schenectady, N. Y., assignors to General Electric Company. Vibration meter. 2,078,796; Apr. 27.
Greger, Joseph, Long Island City, N. Y. Clamp. 2,078,848; Apr. 27.
Griffin Engineering Company. (See Vial, Frederick K., assignor.)
Griffiths, Warren P., Trenton, N. J. Pedal attachment. 2,078,324; Apr. 27.
Grigg, Arthur M., East Braintree, assignor of one-half to E. W. Parker, Dorchester, and one-sixth to A. A. Cruickshank, Milton, Mass. Self-sealing box blank. 2,078,446; Apr. 27.
Groll, Herbert P. A., and G. Hearne, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Cyclic acetals and producing same. 2,078,534; Apr. 27.
Grosjean, Reuben M., Omaha, Nebr. Carburetor for internal combustion engines. 2,078,849; Apr. 27.
Grover, Elliott E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Muffling device. 2,078,242; Apr. 27.
Grundler, Wolfgang, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Variable condenser. 2,078,447; Apr. 27.
Gualtiere, Julius, assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet feed. 2,078,659; Apr. 27.
Gualtiere, Julius, assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet setting machine. 2,078,660; Apr. 27.
Gulliksen, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Indicating and regulating system. 2,078,661; Apr. 27.
Gunther, Clarence A., Haddonfield, N. J., assignor to General Electric Company. Tuning apparatus. 2,078,909; Apr. 27.
Gurton, William S., J. Plint, and H. Nyberg, assignors to Dominion Truck Equipment Co. Limited, Kitchener, Ontario, Canada. Compensating draft coupling for tractors and trailers. 2,078,492; Apr. 27.
Guyler, Albert F., and W. H. Boaler, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of fabrics. 2,078,380; Apr. 27
Hacker, Oskar H., Wiener-Neustadt, Austria, and E. Selbold, assignors to J. M. Voith, Heidenheim-on-the-Brenz, Germany. Hydrodynamic turbo-transmission. 2,078,759; Apr. 27.
Hadik, Joseph C. (See Fritsche, J., and Hadik.)
Hadley, Donald L., and L. Lown, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Toaster. 2,078,662; Apr. 27.
Hadsel, Alvah D., Oakland, Calif. Ore reducing machine. 2,078,708; Apr. 27.
Hafner, Raoul, Vienna, Austria. Control lever for aircraft, or similar rocking lever devices in control mechanisms. 2,078,663; Apr. 27.
Hagedorn, Max, and G. von Kujawa, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengeselischaft, Frankfort-on-the-Main, Germany. Manufacture of relief printing forms. 2,078,535; Apr. 27.
Haines, John R., Medford, assignor to Arrow Safety Device Company, Inc., Mount Holley, N. J. Direction signal. 2,078,894; Apr. 27.
Halborg, Carl J., Detroit, Mich., assignor to Colonial Broach Company. Broach. 2,078,632; Apr. 27.
Hale, Ulysses G., Brownsville, Tex. Pencil or pen holder. 2,078,533; Apr. 27.
Hallock, Elwyn R., Burlington, Vt. Key holder. 2,078,325; Apr. 27.
Halstead, Merle E., Owego, N. Y. Adjustable die and blade for the same. 2,078,569; Apr. 27.
Hanley, John A., Stamford, Conn., assignor, by mesne assignments, to Clipshave Inc. Vibratory electric motor. 2,078,895; Apr. 27.
Hanley, John A., Stamford, Conn., assignor, by mesne assignments, to Clipshave Inc. Electric motor. 2,078,896; Apr. 27.
Hannon, Albert H., Springfield, Ohio. Semiautomatic electroplating machine. 2,078,381; Apr. 27.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. High voltage generator. 2,078,760; Apr. 27.
Hanshaw, Charles H., Beloit, Wis. Playing ball. 2,078,382; Apr. 27.
Happold, Ernest C. (See Bennett, J. P., and Happold.)
Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Potential supply system. 2,078,664; Apr. 27.
Hardman, Walter A., Brooklyn, N. Y. Massage device. 2,078,536; Apr. 27.
Harmon, Earl H., New Hartford, assignor of one-half to W. G. Pope, Utica, N. Y. Wedge. 2,078,875; Apr. 27.
Harnly, David H., Chicago, Ill. Weather strip and making the same. 2,078,243; Apr. 27.
Harris, Romaine R., Portland, Oreg. Tracking connection for vehicles. 2,078,756; Apr. 27.
Harrison, Gale, Kearny, N. J., assignor to Radio Corporation of America, New York, N. Y. Combined multiband electrical structure and switching mechanism. 2,078,908; Apr. 27.
Harrison, John S., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Converting hydrocarbons. 2,078,493; Apr. 27.
Hart, Charles, Media, assignor of one-half to M. J. Conway, Coatesville, and one-fourth to W. S. Jackson, Bala-Cynwyd, Pa. Wrought iron and method. 2,078,494; Apr. 27.
Hartford-Empire Company. (See Bates, Lloyd G., assignor.)

Hartford-Empire Company. (See Forter, Samuel A., assignor.)
Haurand, Carl H., North Plainfield, N. J., assignor to The Best Foods, Inc., New York, N. Y. Soap and the preparation of an oil for use therein. 2,078,726; Apr. 27.
Hearne, George. (See Groll, H. P. A., and Hearne.)
Hecht, Clinton J., Los Angeles, Calif. Instructive toy. 2,078,709; Apr. 27.
Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,078,916; Apr. 27.
Hehlgans, Friedrich W., Berlin-Hermsdorf, Germany, assignor to General Electric Company. Electron tube. 2,078,797; Apr. 27.
Heil Co., The. (See Maloon, Earl B., assignor.)
Henggi, Edward J., assignor to Henggi Rail Anchor Company, Oakmont, Pa. Rail anchor. 2,078,710; Apr. 27.
Henggi Rail Anchor Company. (See Henggi, Edward J., assignor.)
Henglein, Friedrich A., Cologne-Deutz, and F. W. Stauf, Leverkusen-Wiesdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preservation of green-fodder. 2,078,537; Apr. 27.
Henkel & Cie Gesellschaft mit beschrankter Haftung. — (See Kirstahler, Alfred, assignor.)
Henkel, Erich. (See Williams, A., and Henkel.)
Hennessey, Mary F., assignor to The Puritan Manufacturing Company, Waterbury, Conn. Presaponified bulling compound. 2,078,876; Apr. 27.
Herrlinger, Albert P., assignor to The Herrlinger Paper Co., Cincinnati, Ohio. Collar support. 2,078,761; Apr. 27.
Herrlinger Paper Co., The. (See Herrlinger, Albert P., assignor.)
Herrmann, Walter. (See Streitwolf, K., Fehrle, and Herrmann.)
Herzog, Joseph A., Newark, N. J. Traveling bag. 2,078,383; Apr. 27.
Hiering, William C., Millburn Township, Essex County, assignor to The J. E. Mergott Company, Newark, N. J. Handbag frame. 2,078,495; Apr. 27.
High, Henry H., Chicago, Ill., assignor to E. F. Houghton and Company, Philadelphia, Pa. Salt bath for carburizing and method of carburizing. 2,078,244; Apr. 27.
Hippe, Harold H. (See Schabacker, W., Hippe, and Stofen.)
Hixon, Ralph M. (See Fulmer, E. I., Christensen, and Hixon.)
Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
Hoe, R., & Co. (See Huck, William F., assignor.)
Hoe, R., & Co. (See Krahmer, Richard A., assignor.)
Hoefer, LeRoy C., Minneapolis, Minn. Fly casting fishing lure. 2,078,798; Apr. 27.
Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation and frequency stabilization. 2,078,245; Apr. 27.
Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Short wave shield. 2,078,246; Apr. 27.
Holmes, August, assignor to Standard Oil Development Company. Wood preservative oil. 2,078,570; Apr. 27.
Holmes, Henry H., Leicester, England, assignor, by mesne assignments, to H. Brinton Company, Philadelphia, Pa. Knitting machine pattern control mechanism. 2,078,571; Apr. 27.
Holst, Poul F. G., Oaklyn, N. J., assignor to Radio Corporation of America. Automatic tone control system. 2,078,762; Apr. 27.
Holtzman, John, New York, N. Y. Lock. 2,078,248; Apr. 27.
Hoof, Addison C., Hinsdale, Ill. Governor. 2,078,850; Apr. 27.
Hookless Fastener Company. (See Bennett, J. P., and Happold, assignors.)
Hookless Fastener Company. (See Friedman, Jacob P., assignor.)
Hoover Steel Ball Company. (See Pew, Thomas C., assignor.)
Horsley, James H., Chicago, assignor to Shanklin Manufacturing Co., Springfield, Ill. Cigarette case. 2,078,665; Apr. 27.
Hotson, John H., Woodside, N. Y. Device for weighing of the balance type. 2,078,249; Apr. 27.
Houde Engineering Corporation. (See Lautz, Carl F., assignor.)
Houdry, Eugene J., Paris, France, assignor to Houdry Process Corporation, Dover, Del. Catalytic conversion of higher-boiling hydrocarbons into lower-boiling hydrocarbons. 2,078,247; Apr. 27.
Houdry Process Corporation. (See Houdry, Eugene J., assignor.)
Houghton, E. F., and Company. (See High, Henry H., assignor.)
Houghton, James C. (See Barr, J. L., and Houghton.)
Hovey, Smith D., Trenton, Nebr. Hitch. 2,078,851; Apr. 27.
Howett, Charles E., Lancaster, Pa. Liquid projecting device. 2,078,326; Apr. 27.
Howie, James M. (See Allan, A. B., and Howie.)
Hoyland, Fred A., Washington, D. C. Antiseptic device and making same. 2,078,877; Apr. 27.
Hubbard, Walter N., Meriden, assignor to The Bristol Company, Waterbury, Conn. Pen-arm mounting. 2,078,763; Apr. 27.
Huber, Emil. (See Meier, Karl H., assignor.)
Huck, William F., Richmond Hill, assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Banding machine. 2,078,633; Apr. 27.
Hudson, Edwin B. (See Tytus, J. B., and Hudson.)
Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Rolling under tension. 2,078,711; Apr. 27.
Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Segment bearing. 2,078,712; Apr. 27.
Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Segment railway bearing. 2,078,713; Apr. 27.
Hull, Charles A. (See Taylor, R., and Hull.)
Humason, Granville A. (See McDonough, J. M., and Humason.)
Hummel, Karl, Jr., Karlsruhe, Baden, Germany. Razor strop. 2,078,799; Apr. 27.
Humphreys, Ira B., Denver, Colo. Jig. 2,078,605; Apr. 27.
Hurlburt, Gene P., assignor to M. C. Knowles, Los Angeles, Calif. Cold gas carburetor and generator. 2,078,250; Apr. 27.
I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, M., and von Kujawa, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Henglein, F. A., and Stauf, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pfannenstiel, H., and Matthaes, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Reibnitz, Bruno v., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schneider, Wilhelm, assignor.)
Imperial Chemical Industries Limited. (See Fleming, James S. B., assignor.)
Imperial Chemical Industries Limited. (See White, Albert G., assignor.)
Independent Pneumatic Tool Co. (See Forss, Frithiof P., assignor.)
Industrial Patents Corporation. (See Meiser, William C., assignor.)
Industrial Rayon Corporation. (See Prutton, Arthur J., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Irven, William, assignor to The Standard Oil Company (Ohio), Lakewood, Ohio. Preparation of tubular sheet metalware articles. 2,078,714; Apr. 27.
Jackman, Dean M., Bayside, assignor to American Chicle Co., Long Island, N. Y. Chicle substitute. 2,078,878; Apr. 27.
Jackson, James J., Woodbury, N. J., assignor to Paulsboro Manufacturing Company, Paulsboro, N. J. Compositions of matter and use thereof. 2,078,727; Apr. 27.
Jackson, William S., et al. (See Hart, Charles, assignor.)
Jacob, George N., Jr. (See Wright, E. B., and Jacob.)
Jacob, John, New York, N. Y. Duplex tamperproof sash lock. 2,078,572; Apr. 27.
Jalte, Roy W., Lakewood, Ohio. Machine for making paper bags. 2,078,496; Apr. 27.
Janisky, Louis. (See Rowe, Claude O., assignor.)
Jefferson, John A., Belmont, Mass. Delivery manifold for tank vehicles. 2,078,384; Apr. 27.
Jelalian, Martin, New York, N. Y. Coil spring cushion fender for automobiles. 2,078,852; Apr. 27.
Jennings, Oliver S. (See Lee, P. R., and Jennings.)
Jesnig, Charles J., assignor to Positive Seal Closure Company, Philadelphia, Pa. Receptacle closure. 2,078,251; Apr. 27.
Johnson, Arthur A. (See Zimmer, Paul H., assignor.)
Johnson, Arthur A., Bridgeport, Conn. Combined tail light and stop light. 2,078,573; Apr. 27.
Johnson, Carroll W., and L. Spinar, Chicago, Ill. Removable dental bridge. 2,078,853; Apr. 27.
Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,078,497; Apr. 27.
Jones, Clifford C., Washington, D. C. Boundary layer air control. 2,078,854; Apr. 27.
Joss, Ernest J. (See Strickhouser, S. I., and Joss.)
Joss, Gustave F., St. Joseph, Mich. Machine for marking hosiery or other articles. 2,078,448; Apr. 27.
Juchter, Pieter, Scotia, N. Y., assignor to General Electric Company. Paper break detector. 2,078,800; Apr. 27.
Junker & Ruh A.-G., Corporation of. (See Dorl, F. W. O., and Schnitzler, assignors.)
Ka Dell, Harold W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermionic device. 2,078,666; Apr. 27.
Kado, Yorio, Hyogo-ku, Kobe, Japan, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic control system for phase-advancing means. 2,078,667; Apr. 27.
Kaiser, Edward W., and J. E. Quinn, Chicago, Ill. Fittings for plumbing systems. 2,078,879; Apr. 27.

Karlström, Fredrik J. R., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Nozzle. 2,078,634; Apr. 27.
Kasper, Louis, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 2,078,897; Apr. 27.
Kato, Tooru, Osaka, Japan. Small receiver. 2,078,385; Apr. 27.
Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Keiser, Bernhard. (See De Groote, M., and Keiser.)
Kendis, Michael B., Sedalia, Mo. Glass cutting mechanism. 2,078,386; Apr. 27.
Kern, Jean G., Hamburg, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Diazo amino compounds. 2,078,387; Apr. 27.
Kern, Jean G., Hamburg, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing process and composition. 2,078,388; Apr. 27.
Ketchum, Henry G. (See Ashton, Ward, assignor.
Kielmansegg, Georg, Maria-Enzersdorf, near Vienna, Austria. Nonskid device for vehicle wheels. 2,078,764; Apr. 27.
Kilgore, Lee A., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Low-loss dynamo-electric machine. 2,078,668; Apr. 27.
Kim, Mathew T., Pala, Hawaii. Battery cable terminal protector. 2,078,855; Apr. 27.
Kinder, Orville L., assignor to Advance Paint Company, Indianapolis, Ind. Flat varnish. 2,078,389; Apr. 27.
King, Andrew, Narberth, Pa. Apparatus for controlling webs. 2,078,669; Apr. 27.
Kinghorn, James, Youngstown, N. Y. Ditcher. 2,078,327; Apr. 27.
Kirby, James B., West Richfield, Ohio. Dishwashing machine. 2,078,670; Apr. 27.
Kirstahler, Alfred, assignor to the firm Henkel & Cie. Gesellschaft mit beschrankter Haftung, Dusseldorf, Germany. Preparation of high molecular thio-ethers. 2,078,856; Apr. 27.
Klarmann, Emil, Bloomfield, and L. W. Gates, Verona, assignors to Lehn & Fink Products Corporation, Bloomfield, N. J. Dentifrice. 2,078,498; Apr. 27.
Knitting Machines Corporation. (See Miller, Max C., assignor.)
Knoll, Max, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Braun cathode-ray tube. 2,078,449; Apr. 27.
Knowles, Dewey D., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Crystal starter rectifier and phase control tube. 2,078,671; Apr. 27.
Knowles, Dewey D., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Inverter tube. 2,078,672; Apr. 27.
Knowles, Maxwell C. (See Hurlburt, Gene P., assignor.)
Kohlhagen, Fred L., Frankfort, Ill. Clothesline pulley. 2,078,857; Apr. 27.
Kolisman, Paul, New York, N. Y. Compensating device for magnetic compasses. 2,078,574; Apr. 27.
Komet Stahlhalter-und Werkzeugfabrik Robert Breuning. (See Viehweger, Albert, assignor.)
Kondolf, Henry, assignor to Southern Kraft Corporation, New York, N. Y. Carton and blank for forming the same. 2,078,906; Apr. 27.
Kondolf, Henry, assignor to Southern Kraft Corporation, New York, N. Y. Carton and blank for forming the same. 2,078,907; Apr. 27.
Korten, Ernst. (See Zerweck, W., Korten, and Schubert.)
Kovalsky, Joseph F., Turtle Creek, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Alternating current motor control system. 2,078,673; Apr. 27.
Kowal, Walter, New York, N. Y., assignor to Phoenix Metal Cap Company, Inc., Chicago, Ill. Closure for receptacles. 2,078,891; Apr. 27.
Kraft, Edward L., York, assignor, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Windshield for automobiles. 2,078,328; Apr. 27.
Kraft, Norman, Wilmette, assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill. Label applying mechanism. 2,078,252; Apr. 27.
Kraft-Phenix Cheese Corporation. (See Kraft, Norman, assignor.)
Krag, Franz K. (See de Weal, A., Krag, and Anderson.)
Krahmer, Richard A., Yonkers, assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Ink roller cleaning device. 2,078,635; Apr. 27.
Kränzlein, Georg, and T. Meissner, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 4,5-alkylsubstituted 2-aminodiaryliketones and preparing them. 2,078,538; Apr. 27.
Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric snap switch. 2,078,253; Apr. 27.
Kruder, William J. (See Nielsen, H. H., and Kruder.)
Kuchar, Joseph, assignor to Athey Truss Wheel Company, Chicago, Ill. Bulldozer. 2,078,636; Apr. 27.
Kühlewind, Walter, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Direction finding receiver circuit. 2,078,765; Apr. 27.
Kuhn, Frederick A., Meriden, assignor to The Lyman Gun Sight Corporation, Middlefield, Conn. Telescope sight. 2,078,858; Apr. 27.
Kumpf, August D., Philadelphia, Pa. Safety attachment for the operating pedals of a motor vehicle. 2,078,390; Apr. 27.
Kuschel, Richard J. (See Blazek, J. Y., and Kuschel.)
Ladd, Osmond Y., Danbury, Conn. Eyeglass mounting. 2,078,575; Apr. 27.
Laghetto, Louis, Somerville, assignor to A. B. Tenney, Lexington, Mass. Gas lighter. 2,078,576; Apr. 27.
Lampe, Johan K. Z., Oranjestad, Aruba, Dutch West Indies. Perpetual calendar. 2,078,450; Apr. 27.
Lancaster Iron Works, Inc. (See Mallory, Edward B., assignor.)
Land, Edwin H., Cambridge, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J. Refracting polarizing body. 2,078,254; Apr. 27.
Landis, John E., Macy, Ind. Dairyman's air-relief tool. 2,078,860; Apr. 27.
Lantz, Robert, assignor to Societe Anonyme des Matieres Colorantes & Produits Chimiques de Saint-Denis, Paris, France. Manufacture of azodyestuffs. 2,078,861; Apr 27.
Lapham, De Forest A., Syracuse, N. Y. Mounting for a high speed cutting tool. 2,078,859; Apr. 27.
Lard, Allan E., Washington, D. C. Rebound check for golf club shafts. 2,078,728; Apr. 27.
Larsson, Thure, assignor to Norton Company, Worcester, Mass. Pulpstone. 2,078,451; Apr. 27.
Larsson, Thure, assignor to Norton Company, Worcester, Mass. Pulpstone and filler for the same. 2,078,452; Apr. 27.
La Spina, Albert F., Flushing, N. Y. Building wall. 2,078,329; Apr. 27.
Last, Erwin, Vienna, Austria. Condenser type electrode. 2,078,391; Apr. 27.
Lautz, Carl F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,078,255; Apr. 27.
Lavine, Theodore F. (See Toennies, G., and Lavine.)
Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Assembling machine. 2,078,330; Apr. 27.
Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe supporting mechanism. 2,078,577; Apr. 27.
Lazier, Wilbur A. (See Rousquet, E. W., and Lazier.)
Lebedeff, Yurii E. (See Betterton, J. O., and Lebedeff.)
Lee, Dee V., Corpus Christi, Tex. Combination book cover and book marker. 2,078,392; Apr. 27.
Lee, Paul R., and O. S. Jennings, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Baffled thermostat. 2,078,674; Apr. 27.
Le Grand, Joseph M., Heathsville, Va. Terminal insulation for valved pipe installation. 2,078,606; Apr. 27.
Lehman, Werner. (See Stiebl, C. E., and Lehman.)
Lehn & Fink Products Corporation. (See Klarmann, E., and Gates, assignors.)
Leidy, Wilmer J., assignor to Chicago Transformer Corporation, Chicago, Ill. Transformer. 2,078,331; Apr. 27.
Leitz, Ernst, G. m. b. H. (See Luz, Christian, assignor.)
Lemoine, Joseph E., Vancouver, British Columbia, Canada. Structural gyroscopic phenomena. 2,078,729; Apr. 27.
Lempco Products, Inc. (See Blazek, J. Y., and Kuschel, assignors.)
Le Tourneau, Robert G., assignor to R. L. Le Tourneau, Inc., Stockton, Calif. Earth carrying vehicle. 2,078,332; Apr. 27.
Le Tourneau, Robert G., assignor to R. L. Le Tourneau, Inc., Stockton, Calif. Portable crane. 2,078,393; Apr. 27.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Lewis, Robert B., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Insert mechanism. 2,078,801; Apr. 27.
Lieber, Eugene, Elizabeth, and W. H. Smyers, Westfield, N. J., assignors to Standard Oil Development Company. Preventing corrosion of metals in aqueous systems. 2,078,256; Apr. 27.
Lind, Carlton A. (See Ashton, P. E., Perkins, and Lind.)
Lindars, Herman. (See Lloyd, F., and Lindars.)
Lindemann, Eugene S., Trustee. (See Graham, Thomas R., assignor.)
Liner, Joseph I., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Synchronous motor. 2,078,257; Apr. 27.
Lingal, Harry J. (See Gamel, G. D., and Lingal.)
Link-Belt Company. (See Morehead, George L., assignor.)
Link-Belt Company. (See Sayers, William W., assignor.)
Ljungström, Fredrik, Brevik, Lidingo, assignor to Aktiebolaget Spontan, Stockholm, Sweden. Cooling system for internal combustion engines. 2,078,499; Apr. 27.
Llewellyn, John B., Westbourne Grove, London, assignor to J. Talshoff, London, England. Bottle and like container. 2,078,862; Apr. 27.
Lloyd, Frederic, Sheffield, and H. Lindars, London, England. Rotary furnace, kiln, dryer, and the like. 2,078,333; Apr. 27.
Lockwood, Edwin H., II, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heater control system. 2,078,675; Apr. 27.

Lockwood, Edwin H., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,078,676; Apr. 27.
Lockwood Manufacturing Company, The. (See Macdonald, Archibald T., assignor.)
Loewer, Alvin C. (See O'Neill, Edward J., assignor.)
Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,078,880; Apr. 27.
Long, Earnest E., Upper Sandusky, Ohio. Revolving cutting device. 2,078,730; Apr. 27.
Long, Thomas H., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lighting control. 2,078,677; Apr. 27.
Lown, Lester. (See Hadley, D. L., and Lown.)
Lugrin, Berne, Boston, Mass., assignor to Vitachrome Film Corporation. Color photography. 2,078,578; Apr. 27.
Lum, Walter O., Schenectady, N. Y., assignor to General Electric Company. Heating control. 2,078,802; Apr. 27.
Lundbye, Axel E., assignor to The Foote Company, Inc., Nunda, N. Y. Concrete conveyer. 2,078,863; Apr. 27.
Lundgren, Frank J., Ridgewood, assignor to Colonial Industries of New Jersey, Inc., Paterson, N. J. Tufting machine. 2,078,258; Apr. 27.
Lurz, Klemens, and K. Schönemann, Heidenheim-on-the-Brenz, Germany. Oscillating mechanism for the oscillating wires or sieves of paper making and other machinery. 2,078,715; Apr. 27.
Luthy, Frederick A., Jackson, Mich. Piston ring. 2,078,394; Apr. 27.
Luthy, Fredrick A., Jackson, Mich. Piston ring expander. 2,078,395; Apr. 27.
Luz, Christian, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Film spool and developing tank. 2,078,579; Apr. 27.
Lyman Gunsight Corporation, The. (See Kuhn, Frederick A., assignor.)
Macatee, Walter R., Cincinnati, Ohio. Road guard. 2,078,864; Apr. 27.
Macdonald, Archibald T., Southgate, Ky., assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio. Baking pan unit. 2,078,716; Apr. 27.
MacEwan, Norman E., Detroit, Mich. Auxiliary seat. 2,078,396; Apr. 27.
Mack, Walter L., assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill. Unit heater. 2,078,766; Apr. 27.
MacLaren, Elizabeth J. (See MacLaren, Fred B., assignor.)
MacLaren, Fred B., Hamden, Conn., assignor to E. J. MacLaren, New York, N. Y. Static reducing system. 2,078,607; Apr. 27.
MacLaury, John D., Oberlin, Ohio. Hand knob. 2,078,865; Apr. 27.
Magash, Julius V., Wallington, N. J. Fabric testing machine. 2,078,259; Apr. 27.
Mahalman, Osborne L. (See Benner, R. C., Mahlman, and Rossow.)
Main, David W., and S. M. Nampa, Detroit, Mich., assignors to Transportation Systems, Inc. Combined road and rail vehicle. 2,078,397; Apr. 27.
Mallory, Edward B., Tenafly, N. J., assignor to Lancaster Iron Works, Inc., Lancaster, Pa. Sewage treatment. 2,078,260; Apr. 27.
Malm, Carl J., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Colloidizing mixed esters of cellulose. 2,078,261; Apr. 27.
Malone, John G. Detroit, Mich, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Attaching rubber to metal and articles produced thereby. 2,078,917; Apr. 27.
Maloon, Earl B., assignor to The Heil Co., Milwaukee, Wis. Road scraper. 2,078,500; Apr. 27.
Maloon, Earl B., assignor to The Heil Co., Milwaukee, Wis. Road scraper. 2,078,501; Apr. 27.
Mannes, Leopold D., and L. Godowsky, Jr., Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic material having aldehyde screening dyes. 2,078,398; Apr. 27.
Manuel, Charles J. (See Pringle, W. A., and Manuel.)
Marron, Clara H., Los Angeles, Calif. Arch support and means for properly locating same. 2,078,502; Apr. 27.
Marsh, Stanley W., and H. H. Davies, Valley Falls, Kans. Saw set and saw filing gauge. 2,078,399; Apr. 27.
Marti, Joaquin M., Sabadell, Spain. Elastic transmission ring for spindles and manufacturing the same. 2,078,678; Apr. 27.
Martocello, Joseph A., Philadelphia, Pa. Blower. 2,078,334; Apr. 27.
Marx, Louis, New York, N. Y. Vehicle toy. 2,078,767; Apr. 27.
Massa, Ernest A., Jr. (See Zworykin, V. K., and Massa.)
Matthaes, Werner. (See Pfannenstiel, H., and Matthaes.)
Maupin, Kenneth A., Eaton Rapids, Mich. Insulated sanitary cover for milk cans. 2,078,400; Apr. 27.
Maurer, Paul H., Elmira, assignor to Eclipse Machine Company, Elmira Heights, N. Y. Automatic starter control. 2,078,608; Apr. 27.
Mayer, Josef, Berlin-Lankwitz, assignor to Tobis, Tonbild-Syndikat A. G., Berlin, Germany. Sound recording. 2,078,918; Apr. 27.
Mayr, Otto, Berlin-Karlshorst, Germany, assignor to General Electric Company. Electric circuit breaker. 2,078,803; Apr. 27.
McCabe, William F., Boston, Mass. Machine for scaling lumber. 2,078,335; Apr. 27.
McCaleb, Albert G. (See Allen, Hugh E., assignor.)
McCall, Arthur B., et al. (See Price, M. B., assignor) and Forestner.)
McCann, Neal T., Westminster, Calif. Casing cutter. 2,078,401; Apr. 27.
McCauley, Irvin D., Arp, Tex., assignor of one-half to G. L. Blaxton, Shreveport, La. Cement sack opening device. 2,078,599; Apr. 27.
McConkey, Montgomery W., Chicago, Ill. Cooling mechanism. 2,078,804; Apr. 27.
McCullough, Frederick S., deceased, Ontario, Canada; The Union National Bank of Pittsburgh, executor. Vacuum tube and making the same. 2,078,892; Apr. 27.
McDonough, James M., Galveston, and G. A. Humason, Houston, Tex. Releasable choke. 2,078,402; Apr. 27.
McGrew, John A., Albany, N. Y. Locomotive. 2,078,262; Apr. 27.
McKale, William D. (See Goulding, S. S., and McKale.)
McKay, Augusta P., Rome, assignor to Rome Plow Company, Cedartown, Ga. Road ripper. 2,078,539; Apr. 27.
McLaughlin, F. L., Company. (See Richardson, Frederick G., assignor.)
McLeod, James D. (See Miller, F. E., and McLeod.)
Mead, Milton S., Jr. (See Greentree, C. D., and Mead.)
Mears, Norton A., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill. Hood latch. 2,078,717; Apr. 27.
Mechanical Parking Patents, Inc. (See Morton, James E., assignor.)
Meier, Karl H., assignor to E. Huber, Zurich, Switzerland. Method of and apparatus for measuring the energy of rays. 2,078,768; Apr. 27.
Meiser, William C., assignor to Industrial Patents Corporation, Chicago, Ill. Shackle stop. 2,078,503; Apr. 27.
Meissner, Theodor. (See Krünzlein, G., and Meissner.)
Melton, Romie L. (See Benner, R. C., and Melton.)
Merck & Co. (See Dalmer, O., and Wieters, assignors.)
Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)
Mergott, J. E., Company, The. (See Hiering, William C., assignor.)
Merrick, Frank W., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for cutting sheet material. 2,078,336; Apr. 27.
Merrick, Frank W., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Article of manufacture, for example insoles. 2,078,337; Apr. 27.
Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Permanent magnet dynamos-electric machine. 2,078,805; Apr. 27.
Merrill, James A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Adhesion of rubber. 2,078,910; Apr. 27.
Merrill, James A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Adhesion of rubber. 2,078,911; Apr. 27.
Metallgesellschaft Aktiengesellschaft. (See Schweitzer, Otto, assignor.)
Metropolitan-Vickers Electrical Company. (See Bancroft, Frank E., assignor.)
Metz, Walter V., Brookfield, Ill. Supporting standard. 2,078,866; Apr. 27.
Metziger, Max. (See Block, L., and Metziger.)
Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Automatic manifolding collator and carbon assembly. 2,078,263; Apr. 27.
Michel, Henry M., assignor of one-half to E. M. Applegarth, Oakland, Calif. Glaze. 2,078,504; Apr. 27.
Micro-Westco, Incorporated. (See Vollmer, Earl C., assignor.)
Midland Steel Products Company, The. (See Smith, William E., assignor.)
Millan, Edward N., assignor to The American Rolling Mill Company, Middletown, Ohio. Annealing cover. 2,078,718; Apr. 27.
Miller, Clarke C., Wood River, assignor to Standard Oil Company, Chicago, Ill. Countercurrent contactor. 2,078,403; Apr. 27.
Miller, Ernest B., Annapolis Roads, Md. Air conditioning system. 2,078,540; Apr. 27.
Miller, Frank E., and J. D. McLeod, Oakland, Calif., assignors to General Explosives and Powder Corporation. Explosive. 2,078,264; Apr. 27.
Miller, Max C., Cumberland, R. I., assignor to Knitting Machines Corporation. Fabric take-up mechanism. 2,078,265; Apr. 27.
Miller, Ralph N. (See Westrope, F. J., and Miller.)
Miller, William H., Royal Oak, assignor to The Flex-O-Tube Co., Detroit, Mich. Mounting for hose couplings. 2,078,453; Apr. 27.
Millett, John E. (See Sackner, W. E., and Millett.)

Monnier, Robert, Paris, France, assignor to Societe Assurex le "Roi des Verres de Sécurité" Magnien Monnier et Cie., and L. A. E. Petit. Tempering glass. 2,078,541; Apr. 27.
Monroe Auto Equipment Company. (See Becker, F. P., Nickelsen, and Boor, assignors.)
Monroe Auto Equipment Company. (See Boor, Arthur, assignor.)
Monsanto Chemical Company. (See Thomas, Charles A., assignor.)
Moore, John B., Riverhead, N. Y., assignor to Radio Corporation of America. Selective receiving system. 2,078,769; Apr. 27.
Moore, Loyal C., Sacramento, Calif. Smoke exhauster. 2,078,580; Apr. 27.
Moore, Ninian R., Du Bois, Pa. Seat structure for kitchen cabinets. 2,078,338; Apr. 27.
Morehead, George L., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Circular collector. 2,078,266; Apr. 27.
Morgan, John W., assignor to Zonolite Corporation of Michigan, Detroit, Mich. Sound absorbing and heat insulating unit.. 2,078,454; Apr. 27.
Morrison, James H., Los Angeles, Calif. Metronome. 2,078,505; Apr. 27.
Morrow, John C., assignor to Morrow Lubricator Company, Chicago, Ill. High pressure lubricator construction. 2,078,267; Apr. 27.
Morrow Lubricator Company. (See Morrow, John C., assignor.)
Morton, James E., Dallas, Tex., assignor of one-fourth to Mechanical Parking Patents, Inc., Chicago, Ill. Parking tower. 2,078,770; Apr. 27.
Mulhare, Andrew F., Glenbrook, Conn. Typewriter action. 2,078,268; Apr. 27.
Muller, Geza, Hillside, N. J. Sheet metal frame. 2,078,581; Apr. 27.
Münzinger, Walter M., Heidelberg-Rohrbach, Germany, assignor to Röhm & Haas Company, Philadelphia, Pa. Coating rubber and product. 2,078,881; Apr. 27.
Murray Corporation of America, The. (See Westrope, F. J., and Miller, assignors.)
Myers, Leonard M., Middlesborough, England, assignor to Radio Corporation of America. Voltage measuring apparatus. 2,078,771; Apr. 27.
Naamlooze Vennootschap-Maatschappij tot Exploitatie van "ten Bosch Octrooien N. V." (See Bolk, Willem, assignor.)
Naden, James H., Hampstead, London, assignor of one-half to C. G. H. Galloway, London, England. Radio tuning device. 2,078,637; Apr. 27.
Nafash, Morris S., Union City, N. J., assignor to C. Barbieri, New York, N. Y. Cyclic process of producing amines of unsaturated hydrocarbons. 2,078,582; Apr. 27.
Nampa, Sulo M. (See Main, D. W., and Nampa.)
National Cash Register Company, The. (See Sadgebury, Herman F., assignor.)
National Electric Products Corporation. (See Corbett, Alfred, assignor.)
National Gypsum Company. (See Venzie, Frederick M., assignor.)
National Steel Construction Co. (See Eisinga, Dirk, assignor.)
Nestle-Lemur Company, The. (See Seiter, Otto, assignor.)
Nevin, James V., Aberdeen, Wash. Artificial lumber. 2,078,269; Apr. 27.
New Haven Clock Company, The. (See Whitehead, Richard H., assignor.)
Newman, William E., Moorestown, N. J., assignor to Radio Corporation of America. Indicating and control device. 2,078,270; Apr. 27.
News Syndicate Co. Inc. (See Friess, Gustave A., assignor.)
Nickelsen, John M. (See Becker, F. P., Nickelsen, and Boor.)
Nielsen, Carl, Lake Bluff, assignor to Abbott Laboratories, North Chicago, Ill. Extracting liver oil. 2,078,404; Apr. 27.
Nielsen, Holger H., and W. J. Kruder, assignors to Auto-Turn-Lite Corporation, Chicago, Ill. Vehicle signal switch. 2,078,405; Apr. 27.
Nordstrom, Sven J., Piedmont, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Plug valve. 2,078,271; Apr. 27.
Norris, Ralph F., Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill. Acoustical treatment of walls. 2,078,731; Apr. 27.
Northern Coal Products Co. (See Sutherland, Robert L., assignor.)
Norton Company. (See Anderson, Harry O., assignor.)
Norton Company. (See Belden, Albert G., assignor.)
Norton Company. (See Flygare, Carl G., assignor.)
Norton Company. (See Larsson, Thure, assignor.)
Norton Company. (See Silven, Herbert A., assignor.)
Norton Company. (See Webster, Duane E., assignor.)
Norton Company. (See Wood, Wallace H., assignor.)
Novak, Izador J., Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Apparatus for manufacturing saturated sheeted fibrous structures. 2,078,272; Apr. 27.
Nuebel, Gottlieb, Astoria, N. Y. Window construction. 2,078,506; Apr. 27.
Nyberg, Herman. (See Gurton, W. S., Flint, and Nyberg.)
Oak Manufacturing Company. (See Dressel, Henry M., assignor.)
Ochtman, Leonard, Jr., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Automatic plate valve. 2,078,806; Apr. 27.
Oldham, John M., assignor to L. A. Young, Detroit, Mich. Filling golf ball cores, centers, or the like. 2,078,406; Apr. 27.
Olsen, Tinius, Testing Machine Company. (See Lewis, Robert B., assignor.)
Oman, Carl, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Remote measuring system. 2,078,680; Apr. 27.
O'Neill, Edward J., Syracuse, N. Y., assignor to A. C. Loewer, Baltimore, Md. Detection device for sprocket holes or motion picture films. 2,078,867; Apr. 27.
Oplinger, Floyd F., Niagara Falls, N. Y., assignor to E. I. duPont de Nemours & Company, Wilmington, Del. Electroplating process. 2,078,868; Apr. 27.
Oplinger, Floyd F., Niagara Falls, N. Y., assignor to E. I. duPont de Nemours & Company, Wilmington, Del. Electroplating process. 2,078,869; Apr. 27.
Ormont, Bernard, Associates, Inc. (See Ormont, Bernard, assignor.)
Ormont, Bernard, assignor to Bernard Ormont Associates, Inc., New York, N. Y. Treating hydrocarbons. 2,078,407; Apr. 27.
Orton, Percy N., et al. (See Davis, George C., assignor.)
Oslund, Charles H., Worcester, Mass. Labeling machine. 2,078,870; Apr. 27.
Otte, Otho M., Tarentum, Pa., assignor to Allegheny Steel Company. Shelf structure. 2,078,681; Apr. 27.
Pace, Alfred L., Washington, D. C. Grater. 2,078,507; Apr. 27.
Paez, Aladar, Weehawken, N. J. Reaction product of gallic acid and a soluble tungsten compound and making it. 2,078,609; Apr. 27.
Palmer, Marie C., Chicago, Ill. Protector for suede shoes. 2,078,732; Apr. 27.
Panzner, Otto, Chemnitz, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Schonau-Chemnitz, Germany. Machine tool. 2,078,871; Apr. 27.
Park, Alex, Burke, Idaho. Drill mount. 2,078,610; Apr. 27.
Parker, Ernest W., et al. (See Grigg, Arthur M., assignor.)
Parr, Bernard F., and L. J. Greenawalt, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Filter cloth holder. 2,078,682; Apr. 27.
Paulding, John I., Inc. (See Wack, Henry K., assignor.)
Paulsboro Manufacturing Company. (See Jackson, James J., assignor.)
Pecker, Joseph S., Philadelphia, Pa., assignor to American Centrifugal Corporation, New York, N. Y. Centrifugal machine. 2,078,273; Apr. 27.
Pendleton, Edwin H., Venice, assignor to Econolite Corporation, Los Angeles, Calif. Flasher. 2,078,583; Apr. 27.
Pendleton, Edwin H., Venice, assignor to Econolite Corporation, Los Angeles, Calif. Sign. 2,078,584; Apr. 27.
Perkins, Clarence B. (See Ashton, P. E., Perkins, and Lind.)
Peters, William H., assignor to Fort Orange Paper Company, Castleton-on-Hudson, N. Y. Carton. 2,078,455; Apr. 27.
Petit, Leon, A., E., et al. (See Monnier, Robert, assignor.)
Pew, Thomas C., assignor to Hoover Steel Ball Company, Ann Arbor, Mich. Antifriction bearing. 2,078,456; Apr. 27.
Pfannenstiel, Hugo, and W. Matthaes, Dessau-in-Anhalt, assignors to I. G. Farbenindustrie Aktiengeselischaft, Frankfort-on-the-Main, Germany. Manufacture of artificial silk. 2,078,339; Apr. 27.
Pfeiffer, Alfred, San Antonio, Tex. Machine for laying protecting paper over plants. 2,078,872; Apr. 27.
Pflug, Hans. (See Wolman, K., and Pflug.)
Philadelphia Air Transport Company. (See Smith, John W., assignor.)
Philadelphia Quartz Company. (See Carter, John D., assignor.)
Philipp, Lawrence A., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,078,508; Apr. 27.
Philliopi, Theodore F., East St. Louis, Ill. Polishing machine. 2,078,408; Apr. 27.
Phoenix Metal Cap Company. (See Kowal, Walter, assignor.)
Plenzak, John, Deming, N. Mex. Album. 2,078,542; Apr. 27.
Pisarcik, Paul K., East Vandergrift, assignor to Apollo Steel Company, Apollo Pa. Spanner wrench. 2,078,409; Apr. 27.
Pitman, Henry L., Westfield, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,078,274; Apr. 27.
Pitt, Arthur T., Putney, London, England, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrolytic condenser and making the same. 2,078,772; Apr. 27.

Plint, Joseph. (See Gurton, W. S., Plint, and Nyberg.)
Pope, William G. (See Harmon, Earl H., assignor.)
Positive Seal Closure Company. (See Jesnig, Charles J., assignor.)
Powers Accounting Machines Limited. (See Thomas, Arthur, assignor.)
Powers, Frank B. (See Riley, L. G., Willby, and Powers.)
Powers, Frank T., Douglaston, N. Y. Radiographic apparatus. 2,078,340; Apr. 27.
Prescott, Ford L. (See Smith, M. A., Jr., and Prescott.)
Price, Mark B., and H. M. Forestner, said H. M. Forestner, assignor of one-fourth to J. J. Forestner, Jr., and said Price assignor of one-tenth to A. B. McCall, Springfield, Ill. Clutch. 2,078,893; Apr. 27.
Price, Nathan C., Berkeley, Calif. Boiler control. 2,078,341; Apr. 27.
Price, Orlo H., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Draft regulator. 2,078,898; Apr. 27.
Pringle, William A., Niagara Falls, N. Y., and C. J. Manuel, Dover, N. H., assignors to American Sales Book Company, Niagara Falls, N. Y. Carbon indicator for writing machines. 2,078,457; Apr. 27.
Prins, Klaas, Chicago, Ill. Coal cleaning apparatus. 2,078,275; Apr. 27.
Prutton, Arthur J., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Spinneret. 2,078,509; Apr. 27.
Puffer, Samuel R., Saugus, Mass., assignor to General Electric Company. Supercharger for internal combustion engines. 2,078,807; Apr. 27.
Pulp Process and Development, Inc. (See Altick, C. D., Smiley, and Turner, assignors.)
Punmill, Evert T., Augusta, Kans., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Reclaiming spent "doctor" solution. 2,078,773; Apr. 27.
Puritan Manufacturing Company, The. (See Hennessey, Mary F., assignor.)
Quinn, James E. (See Kaiser, E. W., and Quinn.)
Rabe, Willy H., Ventura, Calif. Method and apparatus for overhead irrigation. 2,078,510; Apr. 27.
Radio Corporation of America. (See Bokovoy, S. A., and Gerber, assignors.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Harrison, Gale, assignor.)
Radio Corporation of America. (See Holst, Poul F. G., assignor.)
Radio Corporation of America. (See Moore, John B., assignor.)
Radio Corporation of America. (See Myers, Leonard M., assignor.)
Radio Corporation of America. (See Newman, William E., assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Schrader, Harold J., assignor.)
Radio Corporation of America. (See Schrader, H. J., and Bov.)
Radio Corporation of America. (See Teaf, John H., assignor.)
Radio Corporation of America. (See Thomas, Adolph A., assignor.)
Radio Corporation of America. (See Wolff, Irving, assignor.)
Radio Corporation of America. (See Zworykin, V. K., and Massa, assignors.)
Ragot, Charles L., Easton, Pa., assignor to S. R. Burns, Newark, N. J. Apparatus for settling and sealing material in packages. 2,078,774; Apr. 27.
Raub, Frederic H., South Orange, assignor to J. Wiss & Sons Co., Newark, N. J. Shears for cutting sheet metal. 2,078,585; Apr. 27.
Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Scouring machine. 2,078,342; Apr. 27.
Raybestos-Manhattan, Inc. (See Novak, Izador J., assignor.)
Raytheon Manufacturing Company. (See Bareiss, Max, assignor.)
Reardon Company, The. (See Reardon, J. V., and Goodale, assignors.)
Reardon, Joseph V., St. Louis, and P. L. Goodale, Pine Lawn, Mo., assignors to The Reardon Company, St. Louis, Mo. Metallizing compositions. 2,078,808; Apr. 27.
Reconstruction Finance Corporation. (See Kraft, Edward L., assignor.)
Reed, Harold V., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,078,276; Apr. 27.
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Reibnitz, Bruno v., Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-Main, Germany. Purification of sulphonation products. 2,078,638; Apr. 27.
Remy, Theron P., Los Angeles, Calif., assignor to The Texas Company, New York, N. Y. Mothproofing compositions of matter. 2,078,458; Apr. 27.
Rennert, John E. (See Allen, S. E., and Rennert.)
Replogle, John R., Detroit, Mich., assignor, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich. Refrigerating mechanism. 2,078,343; Apr. 27.
Rhodes, Herbert L., Oakland, Calif., assignor to The Glidden Company, Cleveland, Ohio. Producing titanium dioxide. 2,078,278; Apr. 27.
Richards, Frank A., Scranton, Pa., assignor, by mesne assignments, to Consolidated Molded Products Corporation. Automatic button drilling machine. 2,078,410; Apr. 27.
Richardson, Frederick G., assignor to F. L. McLaughlin Company, Detroit, Mich. Clinch-on- nut. 2,078,411; Apr. 27.
Richman, Miriam B., Cincinnati, Ohio. Figure toy. 2,078,809; Apr. 27.
Richter, Hartmut W., Rahway, N. J., assignor, by mesne assignments, to American Zirconium Corporation, Baltimore, Md. Making titanium dioxide. 2,078,279; Apr. 27.
Richter, Johan C. F. C., Oslo, and K. W. Rosén, Svelvik, assignors to Aktiebolaget Kamyr, Oslo, Norway. Apparatus for continuous treatment of wood pulp and the like with chemicals. 2,078,810; Apr. 27.
Richter, Robert, assignor to the firm Carl Zeiss, Jena, Germany. Device for illuminating microscopic objects. 2,078,586; Apr. 27.
Riebold, Kasper J., assignor to Caradine Hat Company, St. Louis, Mo. Headwear. 2,078,511; Apr. 27.
Riley, Lynn G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,078,684; Apr. 27.
Riley, Lynn G., Pittsburgh, N. H. Willby, Irwin, and F. B. Powers, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,078,683; Apr. 27.
Ringheiser, Henry, Ringtown, Pa. Jar cap. 2,078,344; Apr. 27.
Risk, Thomas H., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Differential pressure gauge. 2,078,277; Apr. 27.
Roach, Floyd I., Kansas City, Mo. Corn popping machine. 2,078,719; Apr. 27.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Tuning indicator arrangement. 2,078,412; Apr. 27.
Robertson, Robert R., assignor to The Translode Joint Company, Chicago, Ill. Load transmission joint with rubber sealing cap. 2,078,280; Apr. 27.
Robertson, Thomas L., Longview, Wash. Universal time indicating clock. 2,078,345; Apr. 27.
Roedel, Jacob K. (See Gage, J. E., and Roedel.)
Rohlin, Karl W., Merchantville, N. J., assignor to Warren Webster & Company, Camden, N. J. Control of heating systems. 2,087,775; Apr. 27.
Röhm & Haas Company. (See Münzinger, Walter M., assignor.)
Rohrmann, Fred E., Milwaukee, Wis. Smokehouse. 2,078,639; Apr. 27.
Rome Plow Company. (See McKay, Augusta P., assignor.)
Ronning, Adolph, Minneapolis, Minn. Tractor implement hitch. 2,078,413; Apr. 27.
Rose, Herbert A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric converter. 2,078,685; Apr. 27.
Rosén, Karl W. (See Richter, J. C. F. C., and Rosén.)
Roser, Louis A. (See Shepherd, M. S., and Wiley, assignors.)
Rossow, Walter D. (See Benner, R. C., Mahlman, and Rossow.)
Rouse, Ernest E., assignor to Silent Gliding Doors Limited, London, England. Guide rail for rollers, wheels, and the like. 2,078,811; Apr. 27.
Rowe, Claude O., Santa Monica, assignor of one-half to L. Janisky, Los Angeles, Calif. Internal orifice thermal dilator and medicator. 2,078,686; Apr. 27.
Rowley, Charles B., and M. A. Spencer, Cleveland, Ohio. Wall structure. 2,078,281; Apr. 27.
Rüdiger, Ernst, Berlin, Germany. Weighing scale. 2,078,812; Apr. 27.
Ruggles, William A., Schenectary, N. Y., assignor to General Electric Company. Glass-to-metal seal. 2,078,776; Apr. 27.
Russell, Burdsall & Ward Bolt & Nut Company. (See Gibney, Joseph W., assignor.)
Ryan, Michael H., Los Angeles, Calif. Hose connecter. 2,078,733; Apr. 27.
Sackner, Wade E., and J. E. Millet, Grand Rapids, Mich. Open mesh bag. 2,078,414; Apr. 27.
Sadenwater, Charles W., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Foldable support for ironing tables. 2,078,587; Apr. 27.
Sadgebury, Herman F., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,078,282; Apr. 27.
Saginaw Manufacturing Co. (See Sadenwater, Charles W., assignor.)
Salisbury, Frank A., Phelps, N. Y. Spraying apparatus. 2,078,543; Apr. 27.
Salsbury, Esley F., Orinda, Calif. Mobile commode. 2,078,415; Apr. 27.

Salzman, Joseph R., and C. J. Snyder, Detroit, Mich., said Salzman assignor to J. Hugo Smith, Detroit, Mich. Airplane. 2,078,544; Apr. 27.
Santini, Danilo, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator control system. 2,078,687; Apr. 27.
Sarullo, Ippolito P., and J. Dawson, assignors of one-third to F. M. Acree, Greenville, Miss., and two-thirds to said Sarullo. Display cabinet. 2,078,813; Apr. 27.
Sauer, Louis E., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Variable voltage transformer. 2,078,688; Apr. 27.
Sauer, Louis J., Chicago, Ill. Grinding apparatus. 2,078,416; Apr. 27.
Sauter, August, Präcisions-Waagen-& Gewichte-Fabrik. (See Wirth, Armin, assignor.)
Savage, Rufus L., Jr., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Preparation of fuel oil. 2,078,882; Apr. 27.
Savers, William W., Chicago, Ill., assignor to Link-Belt Company. Positive drive mechanism. 2,978,720; Apr. 27.
Scanlon, Leon J., Taunton, Mass. Device for shrinking cloth. 2,078,721; Apr. 27.
Schabacker, William, and H. H. Hippe, Janesville, and H. J. Stofen, Madison, Wis. Milk can cooling cap. 2,078,814; Apr. 27.
Schade, James W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for processing rubber. 2,078,777; Apr. 27.
Schaefer, Frederic, Pittsburgh, Pa. Brake lever. 2,078,417; Apr. 27.
Schilovsky, Peter, London, England. Gyroscopic apparatus. 2,978,734; Apr. 27.
Schleber, Louis E., New York, assignor to Fort Orange Paper Company, Castleton-on-Hudson, N. Y. Package. 2,078,735; Apr. 27.
Schleich, Edward, Jr., Bellerose, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of sandals. 2,078,346; Apr. 27.
Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Cellulose film and foil and making the same. 2,078,418; Apr. 27.
Schneider, Wilhelm, Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Source of light for photography. 2,078,689; Apr. 27.
Schnitzler, Alfred. (See Dorl, F. W. O., and Schnitzler.)
Scholl, William M., Chicago, Ill. Corn pad. 2,078,283; Apr. 27.
Schönemann, Karl. (See Lurz, K., and Schönemann.)
Schrader, Harold J., Haddon Heights, N. J., assignor to Radio Corporation of America. Modulation measuring system. 2,078,285; Apr. 27.
Schrader, Harold J., and R. F. Bov, Haddon Heights, N. J., assignors to Radio Corporation of America. Self-leveling mounting for piezo-electric elements. 2,078,284; Apr. 27.
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Combined television and audio broadcasting. 2,078,459; Apr. 27.
Schubert, Max. (See Zerweck, W., Korten, and Schubert.)
Schueler, Alfred E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding system. 2,078,690; Apr. 27.
Schulze, Ernst, Finkenkrug, near Spandau, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective system. 2,078,691; Apr. 27.
Schurink, Hendrik B. J., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Motor fuel. 2,078,736; Apr. 27.
Schweitzer, Otto. Frankfort-on-the-Main-Hochst, assignor to Metallgesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of halogenation products of rubber and like substances. 2,078,545; Apr. 27.
Schweizerische Lokomotiv-& Maschinenfabrik. (See Weber, Fritz Julius, assignor.)
Scofes, Peter G., et al. (See Davis, George C., assignor.)
Seagram, John, Alameda, assignor te Atlas Imperial Diesel Engine Company, Oakland, Calif. Fuel injection system for internal combustion engines. 2,078,286; Apr. 27.
Searle, Melville C., Baltimore, Md. Engine construction. 2,078,692; Apr. 27.
Sebek, Vladimir J., Cicero, Ill. Die casting machine. 2,078,611; Apr. 27.
Sebell, Harry, Boston, Mass., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Making can bodies. 2,078,546; Apr. 27.
Segar, Lee, Troy, Pa. Hinge. 2,078,815; Apr. 27.
Segar, Leonard H., Renton, Wash. Automatic coal stoking device. 2,078,640; Apr. 27.
Segovia, Crispin B., New York, N. Y. Automatic fruit juice extractor. 2,078,737; Apr. 27.
Seibold, Ernst. (See Hacker, O. H., and Seibold.)
Seibold, Ernst, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany. Variable speed transmission and two speed planetary gear. 2,078,287; Apr. 27.
Seibold, Ernst, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany. Hydraulic coupling or torque changer, filling, and emptying means. 2,078,738; Apr. 27.
Seiter, Otto, Forest Hills West, assignor to The Nestle-Lemur Company, New York, N. Y. Hair waving clamp. 2,078,460; Apr. 27.
Self-Locking Carton Company. (See Walsh, John E., assignor.)
Selvig, John N., Westfield, N. J. Apparatus for treating fibrous material. 2,078,419; Apr. 27.
Shanklin Manufacturing Co. (See Horsley, James H., assignor.)
Shaw, George R. (See Caldwell, G. A., and Shaw.)
Sheet Polarizer Company. (See Land, Edwin H., assignor.)
Sheldrick, Laurence S., assignor to Ford Motor Company, Dearborn, Mich. Motor vehicle. 2,078,420; Apr. 27.
Shell Development Company. (See Groll, H. P. A., and Hearne, assignors.)
Shell Development Company. (See Schurink, Hendrik B. J., assignor.)
Shell Development Company. (See Tulleners, Anton J., assignor.)
Shenitz, Herman M., New York, N. Y. Fishing lure. 2,078,816; Apr. 27.
Shepard, Francis H., executrix. (See Shepard, James A.)
Shepard, James A., deceased, by F. H. Shepard, executrix, Montour, assignor to Shepard Niles Crane & Hoist Corporation, Montour Falls, N. Y. Electrical resistor unit. 2,078,778; Apr. 27.
Shepard Niles Crane & Hoist Corporation. (See Shepard, James A., assignor.)
Shepherd, Milton S., and F. C. Wiley, assignors of one-third to L. A. Roser, Salt Lake City, Utah. Suction valve. 2,078,347; Apr. 27.
Sherman, William T., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Method and apparatus for heating and deaerating boiler feed water. 2,078,288; Apr. 27.
Sherman, William T., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Cleaning steam. 2,078,779; Apr. 27.
Shinn, Frank R., Sr., Stark City, Mo. Churn dasher and mixer. 2,078,912; Apr. 27.
Shisler, Charles F., Wooster, Ohio. Revolving display case. 2,078,612; Apr. 27.
Shuman, Royal L., Newark, N. J., assignor to Celluloid Corporation. Manufacture of alkyl and aryl phosphates. 2,078,421; Apr. 27.
Sieber, James, London, England. Portable device for holding wearing apparel when not in use. 2,078,613; Apr. 27.
Siegel, Joseph, New York, N. Y. Coat. 2,078,461; Apr. 27.
Silent Gliding Doors Limited. (See Rouse, Ernest E., assignor.)
Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Cam grinding machine. 2,078,462; Apr. 27.
Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Cam grinding machine. 2,078,463; Apr. 27.
Sim, James, Cathgart, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Multistage ejector. 2,078,614; Apr. 27.
Simon, Lucien, assignor to Societe d'Exploitation des Brevets Lucien Simon (Amortisseurs Sanchok) (Societe Anonyme), Paris, France. Device for adjusting pressure relief devices. 2,078,615; Apr. 27.
Simpson, Kenneth M., New York, N. Y. Furnace and its method of operation. 2,078,348; Apr. 27.
Simpson, Lillian A., Omaha, Nebr. Colostomy belt. 2,078,512; Apr. 27.
Simrall, Riley M., Wyoming, Ohio. Expansion, contraction, and construction joint for concrete pavements and the like. 2,078,693; Apr. 27.
Slaght, William W., Rocky River, assignor to Cleveland Steel Products Corporation, Cuyahoga County, Ohio. Universal joint. 2,078,739; Apr. 27.
Slater, Fred M., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device. 2,078,780; Apr. 27.
Slepian, Joseph, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Grid-controlled gas-filled tube. 2,078,883; Apr. 27.
Sloan, Francis P., Scarsdale, N. Y. Cement flooring construction method and apparatus. 2,078,289; Apr. 27.
Sloan, Francis P., Scarsdale, N. Y. Compacting apparatus. 2,078,290; Apr. 27.
Smedley, Carl R., Bay Village, assignor to The Glidden Company, Cleveland, Ohio. Composite novelty finish. 2,078,291; Apr. 27.
Smiley, Lloyd D. (See Altick, C. D., Smiley, and Turner.)
Smith, Bruce N., Seattle, Wash. Hose grip. 2,078,464; Apr. 27.
Smith, J. Hugo. (See Salzman, J. R., and Snyder, assignors.)
Smith, John F., Quincy, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Press defatting mechanism. 2,078,588; Apr. 27.
Smith, John T., Jr., and G. A. Turner, Tallahassee, Fla. Key tag. 2,078,293; Apr. 27.
Smith, John W., Chestnut Hill, assignor to Philadelphia Air Transport Company, Morristown, Pa. Machine for drying photographic films and the like. 2,078,292; Apr. 27.

Smith, Joseph A., assignor to The Cleveland Heater Company, Cleveland, Ohio. Joint for circulators. 2,078,465; Apr. 27.
Smith, Marshall A., Jr., South Bend, Ind., and F. L. Prescott, Dayton, Ohio. Remote measuring device. 2,078,616; Apr. 27.
Smith, Omar H., West Englewood, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Laminated insulation material. 2,078,422; Apr. 27.
Smith, S. Morgan, Company. (See Brisbane, Eugene C., assignor.)
Smith, William E., Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Automatic feeding mechanism. 2,078,694; Apr. 27.
Smyers, William H. (See Lieber, E., and Smyers.)
Snap-On Tools, Inc. (See Gagne, Gideon R., assignor.)
Snelling, Henry H. (See Vasey, Roland A., assignor.)
Snyder, Carl J. (See Salzman, J. R., and Snyder.)
Societe Anonyme des Matieres Colorantes & Produits Chimiques de Saint-Denis. (See Lantz, Robert, assignor.)
Société Anonyme: Société des Freins Hydrauliques S. de Lavaud. (See Brisson, Louis C., assignor.)
Societe Assurex le "Roi des Verres de Sécurité" Magnien, Monnier et Cie., et al. (See Monnier, Robert, assignor.)
Societe d'Exploitation des Brevets Lucien Simon (Amortisseurs Sanchok) (Societe Anonyme). (See Simon, Lucien, assignor.)
Socony-Vacuum Oil Company. (See Pummill, Evert T., assignor.)
Socony-Vacuum Oil Company. (See Risk, Thomas H., assignor.)
Socony-Vacuum Oil Company. (See Sherman, William T., assignor.)
Soden, Fred H., assignor to Continental Optical Company, Inc., Rochester, N. Y. Eyeglass construction. 2,078,589; Apr. 27.
South Park Hydrant & Pump Co. (See Storey, Leonidas P., assignor.)
Southern Kraft Corporation. (See Kondolf, Henry, assignor.)
Southworth Machine Company. (See Stilphen, George H., assignor.)
Spencer, Meade A. (See Rowley, C. B., and Spencer.)
Spencer, William F., assignor of one-half to J. W. Dunlap, Birmingham, Ala. Doughnut cooking machine. 2,078,641; Apr. 27.
Spero, Bernard, Chicago, Ill. Telescopic spectacles. 2,078,590; Apr. 27.
Sperry Gyroscope Company. (See Carlson, B. G., and Carter, assignors.)
Spinar, Louis. (See Johnson, C. W., and Spinar.)
Spokes, Ray E., Ann Arbor, Mich., assignor to American Brakeblok Corporation, New York, N. Y. Friction element and bond therefor. 2,078,617; Apr. 27.
Sprague, Chester E., Portland, Oreg. Rifle. 2,078,591; Apr. 27.
Sprenger, George W., Lynn, and F. W. Truesdell, Saugus, Mass., assignors to General Electric Company. Time switch. 2,078,781; Apr. 27.
Springer, Berthold, Berlin-Schoneberg, Germany. Direct-current transformer. 2,078,618; Apr. 27.
Stahl, Emil, Jersey City, N. J. Cleaning device for coil systems. 2,078,740; Apr. 27.
Standard Lime and Stone Company, The. (See Young, William J., assignor.)
Standard Oil Company. (See Miller, Clarke C., assignor.)
Standard Oil Company, (Ohio), The. (See Irven, William, assignor.)
Standard Oil Company, The. (See Harrison, John S., assignor.)
Standard Oil Development Company. (See Frolich, Per K., assignor.)
Standard Oil Development Company. (See Holmes, August, assignor.)
Standard Oil Development Company. (See Lieber, E., and Smyers, assignors.)
Standard Oil Development Company. (See Sydnor, Harold, assignor.)
Standard Oil Development Company. (See Wilde, Henry D., Jr., assignor.)
Standard Register Company, The. (See Metzner, Albert W., assignor.)
Stauf, Friedrich W. (See Henglein, F. A., and Stauf.)
Stauffer, Charles F., Oak Park, and S. Budlong, Chicago, Ill. Automatic speed change clutch and transmission. 2,078,466; Apr. 27.
Stearns Magnetic Manufacturing Company. (See Stearns, Roswell H., assignor.)
Stearns, Roswell H., assignor to Stearns Magnetic Manufacturing Company, Milwaukee, Wis. Magnetic separator and concentrator. 2,078,513; Apr. 27.
Steel Heddle Manufacturing Company. (See Kasper, Louis, assignor.)
Stein, Leonhard. (See Buckmuhl, M., and Stein.)
Stender, Hermann R. F., San Francisco, Calif. Clothespin. 2,078,423; Apr. 27.
Stenmark, Carl O., Brooklyn, N. Y. Holder. 2,078,741; Apr. 27.
Stenzel, Frank, Portland, Oreg. Water heater for fireplaces. 2,078,514; Apr. 27.
Sterling, Albert J., Brooklyn, N. Y. Siftproof bag. 2,078,467; Apr. 27.
Stiehl, Carl E., and W. Lehman, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Excavator. 2,078,294; Apr. 27.
Stiles, Charles S. (See Courtright, H. F., and Stiles.)
Stilphen, George H., assignor to Southworth Machine Company, Portland, Maine. Wheel aligning and steering angle test gauge. 2,078,349; Apr. 27.
Stimpson, Edwin B., Company. (See Gualtiere, Julius, assignor.)
Stimson, Arthur J., assignor, by mesne assignments, to R. Dopyera, Los Angeles, Calif. Electrophonic stringed instrument. 2,078,350; Apr. 27.
Stinchcomb, Loid M., Jackson, Mich. Conductor support. 2,078,424; Apr. 27.
Stockmeyer, Walter, Finkenkrug, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge device heater. 2,078,642; Apr. 27.
Stofen, Henry J. (See Schabacker, W., Hippe, and Stofen.)
Stokes, Rupert O., London Wall, London, England. Conveying mechanism, particularly applicable to classifiers. 2,078,547; Apr. 27.
Storey, Leonidas P., St. Paul, assignor to South Park Hydrant & Pump Co., South St. Paul, Minn. Hydrant. 2,078,782; Apr. 27.
Stratford, William M., assignor to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 2,078,468; Apr. 27.
Strawser, Greeley E., West Leisenring, assignor of one-half to J. Q. Adams, Uniontown, Pa. Electric heating system. 2,078,548; Apr. 27.
Streitwolf, Karl, Frankfort-on-the-Main, A. Fehrle, Bad Soden-on-the-Taunus, and W. Herrmann, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Asymmetric arseno compounds. 2,078,351; Apr. 27.
Strickhouser, Sherman I., Providence, and E. J. Joss, Cranston, R. I., assignors to United States Rubber Company, New York, N. Y. Making hollow rubber articles. 2,078,913; Apr. 27.
Stulen, Walter H., Pittsburgh, Pa. Structural unit. 2,078,425; Apr. 27.
Stuller, Earl A., assignor to Western Chain Products Co., Chicago, Ill. End fastener. 2,078,643; Apr. 27.
Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
Summers, Kenneth E., Old Fletton, Peterborough, England. Measuring instrument. 2,078,352; Apr. 27.
Superheater Company, The. (See Williams, A., and Henkel, assignors.)
Surface Combustion Corporation. (See Fearnside, Ralph S., assignor.)
Sutherland, Robert L., Winnipeg, Manitoba, Canada, assignor to Northern Coal Products Co., Minneapolis, Minn. Drying material. 2,078,515; Apr. 27.
Sutton Engineering Company. (See Wise, George A., assignor.)
Svenson, Ernest J., Rockford, Ill. Automatic lathe and fluid circuit. 2,078,695; Apr. 27.
Svenson, Ernest J., Rockford, Ill. Hydraulic material working apparatus. 2,078,696; Apr. 27.
Svenson, Ernest J., Rockford, Ill. Automatic lathe. 2,078,697; Apr. 27.
Svenson, Ernest J., Rockford, Ill. Material working apparatus and hydraulic system of control therefor. 2,078,698; Apr. 27.
Swedlund, Lloyd E., Montclair, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,078,644; Apr. 27.
Sweet, Cecil H., assignor of one-half to W. C. Erwin, Brea, Calif. Recovering casing from wells. 2,078,426; Apr. 27.
Swingle, Ralph H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,078,645; Apr. 27.
Sydnor, Harold, Westfield, N. J., assignor to Standard Oil Development Company. Cracking process. 2,078,899; Apr. 27.
Talshoff, Jerome. (See Llewellyn, John B., assignor.)
Taylor, Arthur K., assignor to The United States Printing and Lithograph Company, Baltimore, Md. Offset preventing mechanism. 2,078,742; Apr. 27.
Taylor, Reeves, New York, and C. A. Hull, Poughkeepsie, N. Y., said Taylor assignor to said Hull. Apparatus for cleansing receptacles. 2,078,699; Apr. 27.
Teaf, John H., Camden, N. J., assignor to Radio Corporation of America. Dual-ratio tuning mechanism. 2,078,427; Apr. 27.
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gründler, Wolfgang, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Knoll, Max, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kühlewind, Walter, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H. (See Schröter, Fritz, assignor.)
Tenney, Albert B. (See Laghetto, Louis, assignor.)

Texas Company, The. (See Clarke, Louis A., assignor.)
Texas Company, The. (See Remy, Theron P., assignor.)
Texas Company, The. (See Savage, Rufus L., Jr., assignor.)
Texas Company, The. (See Stratford, William M., assignor.)
Texas Company, The. (See Towne, Charles C., assignor.)
Thatcher, Charles J., New York, N. Y. Piped air-conditioning and heating system. 2,078,295; Apr. 27.
Thieme, Max. (See Dürst, Emanuel and O., and Thieme.)
Thomas, Adolph A., assignor to Radio Corporation of America, New York, N. Y. Loudspeaker. 2,078,469; Apr. 27.
Thomas, Arthur, Wallington, assignor to Powers Accounting Machines Limited, London, England. Machines for making records on statistical cards. 2,078,470; Apr. 27.
Thomas, Charles A., Dayton, Ohio, assignor, by mesne assignments, to Monsanto Chemical Company. Articles and method of molding. 2,078,353; Apr. 27.
Thompson, Lillian M. (See Conant, C. W., and Thompson.)
Thrasher, Elmer E., Cumberland, Md. Combination kitchen utensil. 2,078,817; Apr. 27.
Thurman, Benjamin H., Yonkers, N. Y., assignor to Refining, Inc., Reno, Nev. Obtaining phosphatides from soapstock. 2,078,428; Apr. 27.
Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
Tinnerman, Albert H., Cleveland, Ohio. Stove construction. 2,078,471; Apr. 27.
Tobin, Kenneth J., Chicago, Ill., assignor, by mesne assignments, to Evans Products Company, Detroit, Mich. Vehicle anchoring device. 2,078,700; Apr. 27.
Tobis, Tonbild-Syndikat A. G. (See Mayer, Josef, assignor.)
Toennies, Gerrit, Narberth, and T. F. Lavine, Ardmore, Pa. Oxidation products of cystine and related compounds and making the same. 2,078,592; Apr. 27.
Towne, Charles C., Poughkeepsie, assignor to The Texas Company, New York, N. Y. Lubricating oil. 2,078,472; Apr. 27.
Transit Research Corporation. (See Brown, Alexander H., Jr., assignor.)
Translode Joint Company, The. (See Robertson, Robert R., assignor.)
Transportation Systems, Inc. (See Main, D. W., and Nampa, assignors.)
Tramm, Aaron, Bronx, N. Y. Closure cap for containers. 2,078,743; Apr. 27.
Treinis, Leonard R., New York, N. Y. Knitting machine design guide. 2,078,646; Apr. 27.
Tretolite Company. (See De Groote, Melvin, assignor.)
Tretolite Company. (See De Groote, M., and Keiser, assignor.)
Tribune Company, The. (See Wolf, Otto R., assignor.)
Trimby, J. C. (See Atwood, Harry D., assignor.)
Troxell, Clarence W., Milwaukee, Wis. Device for reclaiming used crankcase oils. 2,078,818; Apr. 27.
Truemper, John C., Indianapolis, Ind. Bushing material. 2,078,473; Apr. 27.
Truesdell, Francis W. (See Sprenger, G. W., and Truesdell.)
Tulleners, Anton J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Treating acid liquors. 2,078,516; Apr. 27.
Turner, Edward T. (See Altick, C. D., Smiley, and Turner.)
Turner, George A. (See Smith, J. T., Jr., and Turner.)
Tursky, Charles M., Turtle Creek, Pa. Adjustable picture frame. 2,078,744; Apr. 27.
Tweedale, Ralph L., Washington, D. C., assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,078,429; Apr. 27.
Tytus, John B., and E. B. Hudson, assignors to The American Rolling Mill Company, Middletown, Ohio. Automatic device for maintaining and controlling tension. 2,078,701; Apr. 27.
Ulrich, Frederick, New York, N. Y., assignor, by mesne assignments, to Conmar Products Corporation, Bayonne, N. J. Slider for slide fasteners and making the same. 2,078,745; Apr. 27.
Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)
Unger, Helen, et al. (See Binger, Charles A., assignor.)
Union National Bank of Pittsburgh, The, executor. (See McCullough, Frederick S.)
United Engineering & Foundry Company. (See Biggert, F. C., Jr., and Buente, assignors.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Eastman, Fred C., assignor.)
United Shoe Machinery Corporation. (See Fagan, Joseph T., assignor.)
United Shoe Machinery Corporation. (See Fredericksen, James P., assignor.)
United Shoe Machinery Corporation. (See Lawson, Robert H., assignor.)
United Shoe Machinery Corporation. (See Merrick, Frank W., assignor.)
United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
United Shoe Machinery Corporation. (See Schleich, Edward, Jr., assignor.)
United States Printing and Lithograph Company, The. (See Taylor, Arthur K., assignor.)
United States Rubber Company. (See Malone, John G., assignor.)
United States Rubber Company. (See Smith, Omar H., assignor.)
United States Rubber Company. (See Strickhouser, S. I., and Joss, assignors.)
Universal Camera Corporation. (See Whitlock, Carl H., assignor.)
Urbaniak, Ignatz, Hindenburg, Germany. Device for coring, dividing, and condensing ingots of cruciform cross-section. 2,078,702; Apr. 27.
Vadner, Samuel, Crestwood, N. Y. Testing compression strength of materials. 2,078,296; Apr. 27.
Van Brummelen, Pieter D., Weehawken, N. J. Vehicle lifting apparatus. 2,078,819; Apr. 27.
Van Buren, John, Brooklyn, N. Y. Wrapping machine. 2,078,619; Apr. 27.
Vasey, Roland A., Tucson, Ariz., assignor to H. H. Snelling, Washington, D. C. Metal heating. 2,078,746; Apr. 27.
Venzie, Frederick M., Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y. Wall construction. 2,078,620; Apr. 27.
Venzie, Frederick M., Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y. Slab. 2,078,621; Apr. 27.
Vial, Frederick K., La Grange, assignor to Griffin Engineering Company, Chicago, Ill. Process of and apparatus for operating cupolas. 2,078,747; Apr. 27.
Viehweger, Albert, assignor to Komet Stahlhalter- und Werkzeugfabrik Robert Breuning, Berlin, Germany. Tool holder. 2,078,820; Apr. 27.
Vitachrome Film Corporation. (See Lugrin, Berne, assignor.)
Vitos, Marcus. (See Goulding, S. S., and McKale, assignor.)
Voith, J. M. (See Hacker, O. H., and Seibold, assignors.)
Voith, J. M. (See Seibold, Ernst, assignor.)
Vollmer, Earl C., Rock Island, Ill., assignor to Micro-Westco, Incorporated, Bettendorf, Iowa. Liquid fuel burner. 2,078,884; Apr. 27.
Von Kujawa, Gerhard. (See Hagedorn, M., and von Kujawa.)
Vorce, Lafayette D., Montclair, N. J., assignor, by mesne assignments, to Westvaco Chlorine Products Corporation, New York, N. Y. Electrolytic cell. 2,078,517; Apr. 27.
Waes, Henry K., assignor to John I. Paulding, Inc., New Bedford, Mass. Attachment plug receptacle. 2,078,885; Apr. 27.
Wahlberg, John, East Orange, N. J., assignor to N. Chayes, New Rochelle, N. Y. Removable denture. 2,078,647; Apr. 27.
Walker, Charles, Knoxville, Tenn. Variable control mechanism. 2,078,821; Apr. 27.
Walker, Charles, Knoxville, Tenn. Variable transmission mechanism. 2,078,822; Apr. 27.
Walsh, John E., assignor to Self-Locking Carton Company, Chicago, Ill. Egg carton. 2,078,430; Apr. 27.
Walton, Edward R., Jr. (See Fedor, John V., assignor.)
Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges. (See Panzner, Otto, assignor.)
Ward Leonard Electric Company. (See Logan, Frank G., assignor.)
Watson, Howard S., San Francisco, Calif. Transmission shifting mechanism. 2,078,474; Apr. 27.
Weaver, Charles E., Watertown, N. Y. Tandem helicopter. 2,078,823; Apr. 27.
Weber, Fritz J., assignor to Schweizerische Lokomotiv- & Maschinenfabrik, Winterthur, Switzerland. Spacing member for type line setting and printing machines. 2,078,722; Apr. 27.
Webster, Duane E., assignor to Norton Company, Worcester, Mass. Abrasive article. 2,078,354; Apr. 27.
Webster, Warren, & Company. (See Rohlin, Karl W., assignor.)
Weller, Kenneth. (See Domack, Lawrence C., assignor.)
Weinberg, Leon W., Philadelphia, Pa., assignor to Celanese Corporation of America. Mixed textile material and making same. 2,078,886; Apr. 27.
Weinbrenner, Jules, Thann (Haut-Rhin), France. Lap-forming apparatus. 2,078,355; Apr. 27.
Weir, G. & J., Limited. (See Sim, James, assignor.)
Weisswange, Ernst, West Reading, Pa. Tag. 2,078,431; Apr. 27.
Welch, Alfred F., Fort Wayne, Ind., assignor to General Electric Company. Bearing housing. 2,078,783; Apr. 27.
Wells, Joel C., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,078,297; Apr. 27.
Welter, Sebastian J., assignor to Armstrong Bros. Tool Co., Chicago, Ill. Tool holder. 2,078,475; Apr. 27.
Wenzel, Albert W., West Orange, N. J. Packing ring. 2,078,748; Apr. 27.
Western Chain Products Co. (See Stuller, Earl A., assignor.)
Western Electric Company. (See De Lorme, Alfred C., assignor.)
Western Union Telegraph Company, The. (See Demonet, Eugene A., assignor.)
Westinghouse Electric Elevator Company. (See Santini, Danilo, assignor.)

Westinghouse Electric & Manufacturing Company. (See Austin, B. O., and Willby, assignors.)
Westinghouse Electric & Manufacturing Company. (See Burr, G. A., and Arnold, assignors.)
Westinghouse Electric & Manufacturing Company. (See Caldwell, G. A., and Shaw, assignors.)
Westinghouse Electric & Manufacturing Company. (See Gamel, G. D., and Lingal, assignors.)
Westinghouse Electric & Manufacturing Company. (See Grover, Elliott E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hadley, D. L., and Lown, assignors.)
Westinghouse Electric & Manufacturing Company. (See Harder, Edwin L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ka Dell, Harold W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kado, Yorio, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kilgore, Lee A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Knowles, Dewey D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kovalsky, Joseph F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lee, P. R., and Jennings, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lockwood, Edwin H., II, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lockwood, Edwin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Long, Thomas H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Oman, Carl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Parr, B. F., and Greenawalt, assignors.)
Westinghouse Electric & Manufacturing Company. (See Riley, Lynn G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Riley, L. G., Willby, and Powers, assignors.)
Westinghouse Electric & Manufacturing Company. (See Rose, Herbert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Stockmeyer, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Swingle, Ralph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sauer, Louis E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schueler, Alfred E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schulze, Ernst, assignor.)
Westinghouse Electric & Manufacturing Company. (See Swedlund, Lloyd E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Willby, Norman H., assignor.)

Westrope, Fred J., and R. N. Miller, Detroit, Mich., assignors to The Murray Corporation of America. Securing vehicle roof covers. 2,078,622; Apr. 27.
Westvaco Chlorine Products Corporation. (See Vorce, Lafayette D., assignor.)
Wheeler, Harley T., Dallas, Tex. Making helical accordion packing rings. 2,078,549; Apr. 27.
White, Albert G., Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Blasting. 2,078,298; Apr 27.
Whitehead, Richard H., assignor to The New Haven Clock Company, New Haven, Conn. Timepiece construction. 2,078,476; Apr. 27.
Whiting, William A., Southgate, Calif., assignor to American Concrete and Steel Pipe Company. Making concrete structures in forms. 2,078,477; Apr. 27.
Whitlock, Carl H., Lockport, N. Y., assignor, by mesne assignments, to Universal Camera Corporation, New York, N. Y. Camera. 2,078,432; Apr. 27.
Whitney, Gilbert C., New York, N. Y. Automatic train stop system. 2,078,299; Apr. 27.
Wiesenfeld, Leo, Brooklyn, N. Y. Gaiter. 2,078,550; Apr. 27.
Wieters, Hermann. (See Dalmer, O., and Wieters.)
Wilde, Henry D., Jr., Houston, Tex., assignor to Standard Oil Development Company. Pressure recording device. 2,078,623; Apr. 27.
Wiley, Francis C. (See Shepherd, M. S., and Wiley.)
Wilke, Otto H., Lakewood, Ohio. Price tag holder. 2,078,518; Apr. 27.
Wilkening, Frederick W., Narberth, and W. Wuerfel, Philadelphia, assignors to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring for oil control and compression. 2,078,519; Apr. 27.
Wilkening Manufacturing Company. (See Wilkening, F. W., and Wuerfel, assignors.)
Willby, Norman H. (See Austin, B. O., and Willby.)
Willby, Norman H. (See Riley, L. G., Willby, and Powers.)
Willby, Norman H., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,078,648; Apr. 27.
Willby, Norman H., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,078,649; Apr. 27.
Willheim, Raoul, Berlin-Oberschoneweide, Germany, assignor to General Electric Company. Electric circuit breaker. 2,078,784; Apr. 27.
Williams, Arthur, Munster, Ind., and E. Henkel, Calumet City, Ill., assignors to The Superheater Company, New York, N. Y. Feed water heating system for boilers. 2,078,785; Apr. 27.
Williams, Harrison R., Glens Falls, N. Y. Catamenial pad. 2,078,300; Apr. 27.
Williams Oil-O-Matic Heating Corporation. (See Price, Orlo H., assignor.)
Williams, Villor P., assignor to E. W. Gomboror, Baltimore, Md. Heel and cushion connecter. 2,078,551; Apr. 27.
Willison, J. P., et al. (See Bliss, Edgar V., assignor.)
Wilson, Lee, Cleveland, Ohio. Annealing. 2,078,356; Apr. 27.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Exhaust control for a pump operating motor. 2,078,301; Apr. 27.
Wingfoot Corporation. (See Calvert, William C., assignor.)
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Merrill, James A., assignor.)
Winter, Arthur, Weehawken, N. J. Lead feeding pencil. 2,078,433; Apr. 27.
Winthrop Chemical Company. (See Bockhuhl, M., and Stein, assignors.)
Winthrop Chemical Company. (See Streitwolf K., Fehrle, and Herrmann, assignors.)
Wirth, Armin, assignor to A. Sauter, Präcisions-Waagen- & Gewichte-Fabrik, Ebingen, Wurtemberg, Germany. Fixing means for elements of prismatic contour. 2,078,824; Apr. 27.
Wise, George A., Pittsburgh, Pa., assignor to Sutton Engineering Company. Finishing rounds. 2,078,434; Apr. 27.
Wisniewski, William J., Bayonne, N. J. Vehicle brake. 2,078,703; Apr. 27.
Wisner, Josiah B., Camden, N. J. Connecter device. 2,078,825; Apr. 27.
Wiss, J. & Sons Co. (See Rauh, Frederic H., assignor.)
Wolf, Otto R., Oak Park, assignor to The Tribune Company, Chicago, Ill. Adjustment mechanism for inking apparatus. 2,078,520; Apr. 27.
Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Modulating system for short waves. 2,078,302; Apr. 27.
Wolff, Lise, née L. Saling, Berlin-Grunewald, Germany. Lady's handbag. 2,078,624; Apr. 27.
Wolman, Karl, Berlin-Grunewald, and H. Pflug, Berlin-Wilmersdorf, Germany, assignors, by mesne assignments, to American Lumber & Treating Company, Chicago, Ill. Wood preservative. 2,078,826; Apr. 27.
Wood, Abram H., White Hall, Md. Rotary internal combustion engine. 2,078,887; Apr. 27.
Wood, Glen M., Minneapolis, Minn. Applicator and control means therefor. 2,078,786; Apr. 27.
Wood, Wallace H., assignor to Norton Company, Worcester, Mass. Hydraulically operated grinding machine. 2,078,749; Apr. 27.
Woodmansee, Clay G. (See Woodmansee, G. C., and C. G.)
Woodmansee, George C., and C. G. Woodmansee, Los Angeles, Calif., assignors to American Talking Wire Company, Los Angeles, Calif. Telegraphone apparatus and circuit. 2,078,357; Apr. 27.
Wright, Jr., Ernest B., Montclair, and G. N. Jacob, Jr., Belleville, N. J. Brush and making the same. 2,078,358; Apr. 27.
Wuerfel, William. (See Wilkening, F. W., and Wuerfel.)
Young, George H., Oak Park, Ill. Refrigerator. 2,078,552; Apr. 27.
Young, Leonard A. (See Oldham, John M., assignor.)
Young, William J., Charles Town, W. Va., assignor to The Standard Lime and Stone Company, Baltimore, Md. Process and apparatus for coating particles. 2,078,359; Apr. 27.
Zeiss, Carl. (See Richter, Robert, assignor.)
Zerweck, Werner, E. Korten, and M. Schubert, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc. 5-hydroxy-hydrindene-ortho-carboxylic acid. 2,078,625; Apr. 27.
Zetmeir, Emil A., Topeka, Kans. Door hinge. 2,078,303; Apr. 27.
Ziegenbein, Wilhelm, assignor to Allgemiene Elektricitats Gesellschaft, Berlin, Germany. Cathode for electron discharge devices. 2,078,360; Apr. 27.
Zimmer, Paul H., assignor of one-half to A. A. Johnson, Bridgeport, Conn. Electric switch. 2,078,888; Apr. 27.
Zimmerman, Arthur C., assignor to The Duro Company, Dayton, Ohio. Water softener. 2,078,361; Apr. 27.
Zonolite Corporation of Michigan. (See Morgan, John W., assignor.)
Zworykin, Vladimir K., Philadelphia, Pa., and E. A. Massa, Jr., Haddon Heights, N. J., assignors to Radio Corporation of America. Electric discharge device. 2,078,304; Apr. 27.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cleaner for oil burners. D. H. Hill. 20,339; Apr. 27.
Humidifier. E. S. Lea. 20,341; Apr. 27.
Rail flaw detector mechanism. C. B. Roede. 20,343; Apr. 27.
Thermionic relay tube system. G. S. Schaberle. 20,345; Apr. 27.
Thresher and window pick-up, Combination. W. F. MacGregor. 20,342; Apr. 27.
Train indicator, Motor operated. J. Hutchinson. 20,340; Apr. 27.
Type card for printing machines. G. Van Dusen. 20,344; Apr. 27.

LIST OF DESIGN INVENTIONS

Airplane. A. Cernuda. 104,242; Apr. 27.
Airplane, Four-engine transport. F. R. Canney and L. A. Wood. 104,335; Apr. 27.
Antiskid device. E. Lafond. 104,270; Apr. 27.
Base and standard for electrical appliances, Combined. R. Heller. 104,260; Apr. 27.
Battery selector. D. B. Banta. 104,237; Apr. 27.
Blouse. J. Solomon. 104,328; Apr. 27.
Board, Game. F. C. H. Müller. 104,284; Apr. 27.
Bottle. W. A. Holtz. 104,264; Apr. 27.
Bridge for an ophthalmic mounting. S. F. Bouchard. 104,321; Apr. 27.
Bridge for an ophthalmic mounting. A. G. Mowson. 104,326; Apr. 27.
Buckle. C. M. Blankmann. 104,239; Apr. 29.
Burner, Oil. E. J. Lattner. 104,271; Apr. 27.
Burner, Oil. L. S. Wagle. 104,333; Apr. 27.
Cabinet, Amusement machine. C. E. Thready. 104,297–9; Apr. 27.
Cabinet or the like, Combined radio and phonograph. H. W. Gerard. 104,324; Apr. 27.
Cabinet, Refrigerator. D. Chapman. 104,322; Apr. 27.
Cap, Closure. A. B. Hewes. 104,262; Apr. 27.
Card for games, Play. F. C. H. Müller. 104,285; Apr. 27.
Case, Piano. W. Zaiser. 104,302; Apr. 27.
Casing, Oil burner. H. O. Grimmelsen. 104,253; Apr. 27.
Cigarette. S. E. Gurvitch. 104,255; Apr. 27.
Clock. J. A. Thoma and A. G. Cottet. 104,330; Apr. 27.
Constellation finder and flashlight holder, Combined. A. Y. Hayes. 104,257; Apr. 27.
Container. S. M. Wolfsheim. 104,300; Apr. 27.
Desk unit, Combination. R. M. Chenoweth, E. M. Irwin, and W. P. Huntley. 104,243; Apr. 27.
Dispenser, Liquid. J. M. De Lacy. 104,244; Apr. 27.
Dress. M. Mullen. 104,281–3; Apr. 27.
Dress. P. Wenett. 104,331; Apr. 27.
Dress. I. A. Winter. 104,332; Apr. 27.
Extractor, Fruit juice. J. M. Majewski, Jr. 104,274–6; Apr. 27.
Fabric or similar article, Textile. G. F. Erhard. 104,248; Apr. 27.
Fabric or similar article, Textile. A. C. Jaeger. 104,266; Apr. 27.
Fabric, Textile. J. H. Huelat. 104,265; Apr. 27.
Fabric, Textile. W. Rosenberg. 104,295; Apr. 27.
Fabric, Textile. C. H. Ross. 104,307; Apr. 27.
Fabric, Textile. M. Turpan. 104,309–10; Apr. 27.
Fabric, Textile. H. W. Wilde. 104,315–16; Apr. 27.
Fan or similar article, Electric. R. Heller. 104,259; Apr. 27.
Faucet attachment. C. E. Lehman. 104,272; Apr. 27.
Globe and panel for a lighting fixture, Combined. A. L. Arenberg. 104,230–3; Apr. 27.
Globe, Lighting fixture. A. L. Arenberg. 104,234; Apr. 27.
Goggles or similar article, Pair of. S. E. Bouchard. 104,320; Apr. 27.
Guard for a cycle, Chain. E. F. Pawsat. 104,291; Apr. 27.
Guard, Hose. T. N. Kuleff. 104,269; Apr. 27.
Guard or similar article, Bicycle mud. E. F. Pawsat. 104,292–3; Apr. 27.
Hair waving apparatus. F. O. Conill. 104,323; Apr. 27.
Handle or similar article, Casket. L. E. Ohls. 104,286; Apr. 27.
Hanger, Garment. M. J. Woods. 104,301; Apr. 27.
Heater, Automobile. J. E. Goerlich. 104,252; Apr. 27.
Holder or similar article, Flower. L. R. Gartland. 104,250; Apr. 27.
Lace. M. Solomon. 104,308; Apr. 27.
Lace. M. Solomon. 104,329; Apr. 27.
Lace. J. Waterfield. 104,311–14; Apr. 27.
Lamp, Radio. P. R. Lasseter. 104,325; Apr. 27.
Lure, Fishing. P. D. Paulson. 104,290; Apr. 27.
Mask, Eye. F. A. Rentchler. 104,294; Apr. 27.
Medal or similar article. F. Jaske and C. M. Johnson. 104,267; Apr. 27.
Mixer, Drink. F. J. Osius. 104,289; Apr. 27.
Motor unit and standard for electrical appliance, Combined. R. Heller. 104,261; Apr. 27.
Musical instrument. N. S. Olayvar. 104,287; Apr. 27.
Opener, can opener, and shoehorn, Combined bottle. T. A. Addison. 104,303; Apr. 27.
Oven front. I. Elliott. 104,247; Apr. 27.
Panel for a lighting fixture, Light-transmitting. A. L. Arenberg. 104,235; Apr. 27.
Pen, Fountain. G. C. Holt. 104,263; Apr. 27.
Rack, Display. J. M. Campbell. 104,334; Apr. 27.
Rack, Sewing. F. T. Olenick, Jr. 104,288; Apr. 27.
Range. H. H. Heldbreder. 104,258; Apr. 27.
Range, Cooking. J. R. Morgan. 104,277–80; Apr. 27.
Ring or similar article. F. Jaske and C. M. Johnson. 104,268; Apr. 27.
Scarf. P. Delich. 104,245; Apr. 27.
Seat. E. Hauser. 104,256; Apr. 27.
Shoe tree. J. Gershuno. 104,251; Apr. 27.
Sign. L. W. Long. 104,273; Apr. 27.
Sign unit or the like. E. N. Bacon. 104,236; Apr. 27.
Slip. J. L. Sarge. 104,327; Apr. 27.
Spray apparatus for preventing offset in printing. A. Della Chiesa and L. P. Froehlich. 104,246; Apr. 27.
Stand, Smoking. A. C. Grunwald. 104,254; Apr. 27.
Stove, Hanging. P. M. Forster. 104,249; Apr. 27.
Table, Console extension. C. H. Brandt. 104,240–1; Apr. 27.
Tablecloth, Lace. F. P. Otto. 104,305–6; Apr. 27.
Tablecloth, Lace. W. Wolf. 104,317–19; Apr. 27.
Tassel, Shoe lace. C. G. King. 104,304; Apr. 27.
Tire. J. Barg. 104,238; Apr. 27.
Tire, Pneumatic. S. P. Thacher. 104,296; Apr. 27.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF APRIL, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article. D. E. Webster. 2,078,354; Apr. 27.
Abrasive articles, Manufacture of. R. C. Benner, O. L. Mahlman, and W. D. Rossoy. 2,078,830; Apr. 27.
Abrasive material, Production of. R. C. Benner and R. L. Melton. 2,078,831; Apr. 27.
Abrasive wheel. H. O. Anderson. 2,078,437; Apr. 27.
Abrasive wheel and manufacture. H. O. Anderson. 2,078,436; Apr. 27.
Accordion packing rings, Making helical. H. T. Wheeler. 2,078,549; Apr. 27.
Acetals and producing same, Cyclic. H. P. A. Groll and G. Hearne. 2,078,534; Apr. 27.
Acid: *See*—
5-hydroxy-hydrindene-ortho-carboxylic acid.
Acid derivatives and making the same, C-amino-substituted barbituric. R. Gebauer. 2,078,323; Apr. 27.
Acid, Production of ascorbic. O. Dalmer and H. Wieters. 2,078,237; Apr. 27.
Acoustical treatment of walls. R. F. Norris. 2,078,731; Apr. 27.
Adjustable chair. J. M. Dorton. 2,078,373; Apr. 27.
Adjustable picture frame. C. M. Tursky. 2,078,744; Apr. 27.
Adjustment mechanism for inking apparatus. O. R. Wolf. 2,078,520; Apr. 27.
Air conditioner. W. Bonner. 2,078,833; Apr. 27.
Air-conditioning and heating system, Piped. C. J. Thatcher. 2,078,295; Apr. 27.
Air conditioning system. E. B. Miller. 2,078,540; Apr. 27.
Air control, Boundary layer. C. C. Jones. 2,078,854; Apr. 27.
Air inlet, Auxiliary. P. Chanavier. 2,078,481; Apr. 27.
Airplane. J. R. Salzman and C. J. Snyder. 2,078,544; Apr. 27.
Album. J. Pienzak. 2,078,542; Apr. 27.
Alcohols, Hydrogenating substituted aromatic. E. W. Bousquet and W. A. Lazier. 2,078,230; Apr. 27.
Amines by emulsion method, Production of. C. Barbieri. 2,078,555; Apr. 27.
Amines of unsaturated hydrocarbons, Cyclic process of producing. M. S. Nafash. 2,078,582; Apr. 27.
Amino compounds, Diazo. J. G. Kern. 2,078,387; Apr. 27.
Anchor, Rail. E. J. Henggi. 2,078,710; Apr. 27.
Angle test gauge, Wheel aligning and steering. G. H. Stilphen. 2,078,349; Apr. 27.
Animals and particularly poultry, Tagging. W. Ashton. 2,078,827; Apr. 27.
Annealing cover. E. N. Millan. 2,078,718; Apr. 27.
Annealing, Method of. L. Wilson. 2,078,356; Apr. 27.
Antenna tuned to an odd number of quarter waves, Variable. W. Buschbeck. 2,078,234; Apr. 27.
Antifriction bearing. T. C. Pew. 2,078,456; Apr. 27.
Antiseptic device and making the same. F. A. Hoyland. 2,078,877; Apr. 27.
Apparatus for supersaturating with carbon dioxide, liquids such as wines. P. Frolois. 2,078,843; Apr. 27.
Applicator and control means therefor. G. M. Wood. 2,078,786; Apr. 27.
Arch support and means for properly locating same. C. H. Marron. 2,078,502; Apr. 27.
Arseno compounds, Asymmetric. K. Streitwolf, A. Fehrle, and W. Herrmann. 2,078,351; Apr. 27.
Article of manufacture, Protective. R. A. Farnham. 2,078,488; Apr. 27.
Articles and method of molding. C. A. Thomas. 2,078,353; Apr. 27.
Assembling machine. R. H. Lawson. 2,078,330; Apr. 27.
Attachment plug receptacle. H. K. Wack. 2,078,885; Apr. 27.
Automatic control valve. H. Coltman. 2,078,315; Apr. 27.
Automatic device for maintaining and controlling tension. J. B. Tytus and E. B. Hudson. 2,078,701; Apr. 27.
Automatic plate valve. L. Ochtman, Jr. 2,078,806; Apr. 27.
Auxiliary seat. N. E. MacEwan. 2,078,396; Apr. 27.
Azodyestuffs, Manufacture of. R. Lantz. 2,078,861; Apr. 27.
Bag: *See*—
Detachably suspended bag. Siftproof bag.
Open mesh bag. Traveling bag.
Bag filling machine. H. F. Briggs. 2,078,313; Apr. 27.
Ball, Playing. C. H. Hanshaw. 2,078,382; Apr. 27.
Ballast water recovery for airships. W. O. L. Fischer. 2,078,532; Apr. 27.
Banding machine. W. F. Huck. 2,078,633; Apr. 27.
Bar and sign support, Combination push. C. Allen. 2,078,478; Apr. 27.
Bar construction, Sway. A. Boor. 2,078,367; Apr. 27.
Battery cable terminal protector. M. T. Kim. 2,078,855; Apr. 27.
Battery terminal clamp. S. S. Coulding and W. D. McKale. 2,078,846; Apr. 27.
Beam construction, Composite highway. A. W. Dunham. 2,078,485; Apr. 27.
Bearing: *See*—
Antifriction bearing. Segment railway bearing.
Segment bearing.
Bearing housing. A. F. Welch. 2,078,783; Apr. 27.
Belt, Colostomy. L. A. Simpson. 2,078,512; Apr. 27.
Blasting. A. G. White. 2,078,298; Apr. 27.
Blower. J. A. Martocello. 2,078,334; Apr. 27.
Boiler control. N. C. Price. 2,078,341; Apr. 27.
Book cover and book marker, Combination. D. V. Lee. 2,078,392; Apr. 27.
Book indexing machine. H. Erickson. 2,078,656; Apr. 27.
Bottle and like container. J. B. Llewellyn. 2,078,862; Apr. 27.
Box: *See*—
Call box.
Box blank, Self-sealing. A. M. Grigg. 2,078,446; Apr. 27.
Brake: *See*—
Vehicle brake.
Brake arrangement. W. C. Hedgcock. 2,078,916; Apr. 27.
Braun cathode-ray tube. M. Knoll. 2,078,449; Apr. 27.
Briquettes by compression, Process and a device for manufacturing. W. Bolk. 2,078,832; Apr. 27.
Broach. C. J. Halborg. 2,078,632; Apr. 27.
Broadcasting, Combined television and audio. F. Schröter. 2,078,459; Apr. 27.
Brush and making the same. E. B. Wright, Jr., and G. N. Jacob, Jr. 2,078,358; Apr. 27.
Buckle, Belt. J. A. Crocker, Jr. 2,078,651; Apr. 27.
Buffing compound, Presaponified. M. F. Hennessey. 2,078,876; Apr. 27.
Bulldozer. J. Kuchar. 2,078,636; Apr. 27.
Burner: *See*—
Fuel burner.
Burner control, Automatic oil. P. S. Arnold. 2,078,305; Apr. 27.
Bushing material. J. C. Truemper. 2,078,473; Apr. 27.
Button drilling machine, Automatic. F. A. Richards. 2,078,410; Apr. 27.
Cabinet, Display. I. P. Sarullo and J. Dawson. 2,078,813; Apr. 27.
Calendar, Perpetual. J. K. Z. Lampe. 2,078,450; Apr. 27.
Call box. E. A. Demonet. 2,078,902; Apr. 27.
Cam grinding machine. H. A. Silven. 2,078,462–3; Apr. 27.
Camera. C. H. Whitlock. 2,078,432; Apr. 27.
Can bodies, Making. H. Sebell. 2,078,546; Apr. 27.
Can transporting device. F. D. Chapman. 2,078,236; Apr. 27.
Cap, Bushing sealing. G. A. Burr and E. E. Arnold. 2,078,219; Apr. 27.
Cap for containers, Closure. A. Traum. 2,078,743; Apr. 27.
Cap, Jar. H. Ringheiser. 2,078,344; Apr. 27.
Cap, Milk can cooling. W. Schabacker, H. H. Hippe, and H. J. Stofen. 2,078,814; Apr. 27.
Car construction. J. D. Baker. 2,078,787; Apr. 27.
Carbon indicator for writing machines. W. A. Pringle and C. J. Manuel. 2,078,457; Apr. 27.
Carburetor and generator, Cold gas. G. P. Hurlburt. 2,078,250; Apr. 27.
Carburetor for internal combustion engines. R. M. Grosjean. 2,078,849; Apr. 27.
Carburetor, Self feeding. W. O. Chase. 2,078,901; Apr. 27.
Carburetor screen. R. A. Borell. 2,078,558; Apr. 27.
Carrier and heater, Portable food. M. L. Clark. 2,078,650; Apr. 27.
Carton. W. H. Peters. 2,078,455; Apr. 27.
Carton and blank for forming the same. H. Kondolf. 2,078,906–7; Apr. 27.
Carton, Egg. J. E. Walsh. 2,078,430; Apr. 27.
Case: *See*—
Cigarette case. Traveling case.
Revolving display case.
Casing cutter. N. T. McCann. 2,078,401; Apr. 27.
Casing from wells, Recovering. C. H. Sweet. 2,078,426; Apr. 27.
Casting. A. Cohen and A. Evans. 2,078,562; Apr. 27.
Catamenial pad. H. R. Williams. 2,078,300; Apr. 27.

Cathode for electron discharge devices. W. Ziegenbein. 2,078,360; Apr. 27.
Cement flooring construction method and apparatus. F. P. Sloan. 2,078,289; Apr. 27.
Centrifugal machine. J. S. Pecker. 2,078,273; Apr. 27.
Chair: *See*—
Adjustable chair.
Chart, Resistance color code. M. Fedor, Jr. 2,078,602; Apr. 27.
Check for golf club shafts, Rebound. A. E. Lard. 2,078,728; Apr. 27.
Check valve. F. G. Eldridge. 2,078,375; Apr. 27.
Chicle substitute. D. M. Jackman. 2,078,878; Apr. 27.
Choke, Releasable. J. M. McDonough and G. A. Humason. 2,078,402; Apr. 27.
Cigar and wrapper. H. Blum. 2,078,227; Apr. 27.
Cigarette and necktie holder. H. H. Gardian. 2,078,844; Apr. 27.
Cigarette case. J. H. Horsley. 2,078,665; Apr. 27.
Circuit, Automatic lathe and fluid. E. J. Svenson. 2,078,695; Apr. 27.
Circuit breaker, Electric. R. Willheim. 2,078,784; Apr. 27.
Circuit, Direction finding receiver. W. Kühlewind. 2,078,765; Apr. 27.
Circuit, Electric valve translating. H. Cypra. 2,078,791; Apr. 27.
Circuit interrupter, Automatic reclosing. G. D. Gamel and H. J. Lingal. 2,078,657; Apr. 27.
Circuits for electrical space discharge tubes, Starting. M. Bareiss. 2,078,363; Apr. 27.
Circuits, Inductive control. A. H. Brown, Jr. 2,078,232; Apr. 27.
Clamp: *See*—
Battery terminal clamp. Hair waving clamp.
Clamp. J. Greger. 2,078,848; Apr. 27.
Clamping means. J. Y. Blazek and R. J. Kuschel. 2,078,598; Apr. 27.
Cleaner: *See*—
Egg cleaner.
Cleaning device for coil systems. E. Stahl. 2,078,740; Apr. 27.
Clock, Universal time indicating. T. L. Robertson. 2,078,345; Apr. 27.
Closure. J. P. Friedman. 2,078,874; Apr. 27.
Closure for receptacles. W. Kowal. 2,078,891; Apr. 27.
Closure, Receptacle. C. J. Jesngi. 2,078,251; Apr. 27.
Cloth, Device for shrinking. L. J. Scanlon. 2,078,721; Apr. 27.
Cloth finishing. S. L. Cluett. 2,078,529; Apr. 27.
Cloth, Method and apparatus for joining wire. W. E. Buchanan. 2,078,369; Apr. 27.
Cloth shrinking. S. L. Cluett. 2,078,904; Apr. 27.
Clothespin. H. R. F. Stender. 2,078,423; Apr. 27.
Clutch. D. Collins. 2,078,600. Apr. 27.
Clutch. M. B. Price and H. M. Forestner. 2,078,893; Apr. 27.
Clutch and transmission, Automatic speed change. C. F. Stauffer and S. Budlong. 2,078,466; Apr. 27.
Clutch plate. H. V. Reed. 2,078,276; Apr. 27.
Coal cleaning apparatus. K. Prins. 2,078,275; Apr. 27.
Coal stoking device, Automatic. L. H. Segar. 2,078,640; Apr. 27.
Coat. J. Siegel. 2,078,461; Apr. 27.
Coating particles, Process and apparatus for. W. J. Young. 2,078,359; Apr. 27.
Collar support. A. P. Herrlinger. 2,078,761; Apr. 27.
Collator and carbon assembly, Automatic manifolding. A. W. Metzner. 2,078,263; Apr. 27.
Collector, Circular. G. L. Morehead. 2,078,266; Apr. 27.
Commode, Mobile. E. F. Salsbury. 2,078,415; Apr. 27.
Compacting apparatus. F. P. Sloan. 2,078,290; Apr. 27.
Compensating device for magnetic compasses. P. Kolisman. 2,078,574; Apr. 27.
Compositions of matter and use thereof. J. J. Jackson. 2,078,727; Apr. 27.
Concrete structures in forms, Making. W. A. Whiting. 2,078,477; Apr. 27.
Concrete conveyer. A. E. Lundbye. 2,078,863; Apr. 27.
Condenser: *See*—
Radio condenser. Variable condenser.
Conductor support. L. M. Stinchcomb. 2,078,424; Apr. 27.
Connecter: *See*—
Heel and cushion connecter. Hose connecter.
Connecter device. J. B. Wisnor. 2,078,825; Apr. 27.
Contactor, Countercurrent. C. C. Miller. 2,078,403; Apr. 27.
Container: *See*—
Bottle and like container.
Container. H. F. Courtright and C. S. Stiles. 2,078,530; Apr. 27.
Control device. A. C. De Lorme. 2,078,629; Apr. 27.
Control for a pump operating motor, Exhaust. W. H. Wineman. 2,078,301; Apr. 27.
Control for boilers, Water. J. E. Briggs. 2,078,479; Apr. 27.
Control mechanism, Variable. C. Walker. 2,078,821; Apr. 27.
Control system. G. A. Caldwell and G. R. Shaw. 2,078,220; Apr. 27.
Control system. E. H. Lockwood. 2,078,676; Apr. 27.
Control system for phase-advancing means, Automatic. Y. Kado. 2,078,667; Apr. 27.
Conveying mechanism, particularly applicable to classifiers. R. O. Stokes. 2,078,547; Apr. 27.
Cooling mechanism. M. W. McConkey. 2,078,804; Apr. 27.
Cooling system for internal combustion engines. F. Ljungström. 2,078,499; Apr. 27.
Copy printing mechanism. H. D. Atwood. 2,078,224; Apr. 27.
Cores, Method and apparatus for sheathing. S. E. Borgeson. 2,078,228; Apr. 27.
Corn pad. W. M. Scholl. 2,078,283; Apr. 27.
Corn popping machine. F. I. Roach. 2,078,719; Apr. 27.
Coupling for tractors and trailers. W. S. Gurton, J. Plint, and H. Nyberg. 2,078,492; Apr. 27.
Coupling or torque changer, filling, and emptying means, Hydraulic. E. Seibold. 2,078,738; Apr. 27.
Cover: *See*—
Annealing cover.
Cover for milk cans, Insulated sanitary. K. A. Maupin. 2,078,400; Apr. 27.
Covers, Securing vehicle roof. F. J. Westrope and R. N. Miller. 2,078,622; Apr. 27.
Cracking process. H. Sydnor. 2,078,899; Apr. 27.
Crane, Portable. R. G. Le Tourneau. 2,078,393; Apr. 27.
Crystal starter rectifier and phase control tube. D. D. Knowles. 2,078,671; Apr. 27.
Cupolas, Process of and apparatus for operating. F. K. Vial. 2,078,747; Apr. 27.
Current transformer, Direct. B. Springer. 2,078,618; Apr. 27.
Cutter: *See*—
Casing cutter.
Cutting device, Revolving. E. E. Long. 2,078,730; Apr. 27.
Cutting machine. J. P. Fredericksen. 2,078,320; Apr. 27.
Dairyman's air-relief tool. J. E. Landis. 2,078,860; Apr. 27.
Dasher and mixer, Churn. F. R. Shinn, Sr. 2,078,912; Apr. 27.
Deep well pump. A. W. Burks. 2,078,480; Apr. 27.
Dental bridge, Removable. C. W. Johnson and L. Spinar. 2,078,853; Apr. 27.
Dental fountain. F. E. Follett. 2,078,890; Apr. 27.
Dentifrice. E. Klarmann and L. W. Gates. 2,078,498; Apr. 27.
Denture, Removable. J. Wahlberg. 2,078,647; Apr. 27.
Detachably suspended bag. H. F. Baxter. 2,078,438; Apr. 27.
Detection device for sprocket holes of motion picture films. E. J. O'Neill. 2,078,867; Apr. 27.
Device for adjusting pressure relief devices. L. Simon. 2,078,615; Apr. 27.
Device for holding wearing apparel when not in use, Portable. J. Sieber. 2,078,613; Apr. 27.
Device for weighing of the balance type. J. H. Hotson. 2,078,249; Apr. 27.
Dicalcium phosphate, Manufacture of. L. Block and M. Metziger. 2,078,627; Apr. 27.
Die and blade for the same, Adjustable. M. E. Halstead. 2,078,569; Apr. 27.
Die casting machine. V. J. Sebek. 2,078,611; Apr. 27.
Differential pressure gauge. T. H. Risk. 2,078,277; Apr. 27.
Diffusion vacuum pump. F. E. Bancroft. 2,078,788; Apr. 27.
Direction signal. J. R. Haines. 2,078,894; Apr. 27.
Discharge apparatus, Electric. L. E. Swedlund. 2,078,644; Apr. 27.
Discharge apparatus, Electric. R. H. Swingle. 2,078,645; Apr. 27.
Discharge device, Electric. V. K. Zworykin and E. A. Massa, Jr. 2,078,304; Apr. 27.
Dishwashing machine. J. B. Kirby. 2,078,670; Apr. 27.
Distillation and deodorization, Apparatus for continuous. P. L. Fauth. 2,078,841; Apr. 27.
Distilling apparatus. B. O. Daubert. 2,078,914; Apr. 27.
Ditcher. J. Kinghorn. 2,078,327; Apr. 27.
"Doctor" solution, Reclaiming spent. E. T. Pummill. 2,078,773; Apr. 27.
Door controlling device. G. C. Christy. 2,078,838; Apr. 27.
Door hinge. E. A. Zetmeir. 2,078,303; Apr. 27.
Door linking means. C. Behle. 2,078,308; Apr. 27.
Dough rolling appliance. C. W. Conant and L. M. Thompson. 2,078,839; Apr. 27.
Doughnut cooking machine. W. F. Spencer. 2,078,641; Apr. 27.
Draft regulator. O. H. Price. 2,078,898; Apr. 27.
Drive mechanism, Positive. W. W. Sayers. 2,078,720; Apr. 27.
Dyeing process and composition. J. G. Kern. 2,078,388; Apr. 27.
Dynamo-electric machine, Low-loss. L. A. Kilgore. 2,078,668;: Apr. 27.

Egg cleaner. S. W. Dobson. 2,078,484; Apr. 27.
Electric circuit breaker. O. Mayr. 2,078,803; Apr. 27.
Electric controlling apparatus. F. G. Logan. 2,078,880; Apr. 27.
Electric discharge device heater. W. Stockmeyer. 2,078,642; Apr. 27.
Electric motor. J. A. Hanley. 2,078,896; Apr. 27.
Electric snap switch. A. W. Krieger. 2,078,253; Apr. 27.
Electric switch. P. H. Zimmer. 2,078,888; Apr. 27.
Electrical resistor unit. J. A. Shepard. 2,078,778; Apr. 27.
Electrical structure and switching mechanism, Combined multiband. G. Harrison. 2,078,908; Apr. 27.
Electrode, Condenser type. E. Last. 2,078,391; Apr. 27.
Electrolytic cell. L. D. Vorce. 2,078,517; Apr. 27.
Electrolytic condenser and making the same. A. T. Pitt. 2,078,772; Apr. 27.
Electron discharge device. H. Daene. 2,078,371; Apr. 27.
Electron tube. F. W. Hehlgans. 2,078,797; Apr. 27.
Electrophonic stringed instrument. A. J. Stimson. 2,078,350; Apr. 27.
Electroplating machine, Semiautomatic. A. H. Hannon. 2,078,381; Apr. 27.
Electroplating process. F. F. Oplinger. 2,078,868; Apr. 27.
Electroplating process. F. F. Oplinger. 2,078,869; Apr. 27.
Elements of prismatic contour, Fixing means for. A. Wirth. 2,078,824; Apr. 27.
Elevator control system. D. Santini. 2,078,687; Apr. 27.
End fastener. E. A. Stuller. 2,078,643; Apr. 27.
Energy of a current of fluid, Mechanism for utilizing the. W. A. Carter. 2,078,837; Apr. 27.
Engine: *See*—
Rotary internal combustion engine.
Engine construction. M. C. Searle. 2,078,692; Apr. 27.
Esters of cellulose, Colloidizing mixed. C. J. Malm. 2,078,261; Apr. 27.
Ether resins. C. Ellis. 2,078,239; Apr. 27.
Ethylene from its homologues, Separation of. R. R. Dreisbach. 2,078,238; Apr. 27.
Evaporating and distilling, Apparatus for. B. Fox and C. E. Ericson. 2,078,377; Apr. 27.
Excavator. C. E. Stiehl and W. Lehman. 2,078,294; Apr. 27.
Explosive. F. E. Miller and J. D. McLeod. 2,078,264; Apr. 27.
Explosives, Manufacture of safety. J. S. B. Fleming. 2,078,240; Apr. 27.
Extractor: *See*—
Fruit juice extractor.
Eyeglass construction. F. H. Soden. 2,078,589; Apr. 27.
Fabric making machine, Wire. A. E. Blashill. 2,078,226; Apr. 27.
Fabric take-up mechanism. M. C. Miller. 2,078,265; Apr. 27.
Fabric testing machine. J. V. Magash. 2,078,259; Apr. 27.
Fabrics, Treatment of. A. F. Guyler and W. H. Bealer. 2,078,380; Apr. 27.
Fastener: *See*—
End fastener. Slide fastener.
Fastening forming and delivering mechanism. F. C. Eastman. 2,078,317; Apr. 27.
Feeding device. F. M. Slater. 2,078,780; Apr. 27.
Feeding mechanism, Automatic. W. E. Smith. 2,078,694; Apr. 27.
Fender. R. Golphin. 2,078,679; Apr. 27.
Fender for automobiles, Coil spring cushion. M. Jelalian. 2,078,852; Apr. 27.
Fiber liberation, System of. C. D. Altick, L. D. Smiley, and E. T. Turner. 2,078,222; Apr. 27.
Fibrous material, Apparatus for treating. J. N. Selvig. 2,078,419; Apr. 27.
Fibrous material, Penetrating. R. M. Bruesewitz. 2,078,525; Apr. 27.
Fibrous structures, Apparatus for manufacturing saturated sheeted. I. J. Novak. 2,078,272; Apr. 27.
Film and foil and making the same, Cellulose. G. Schneider. 2,078,418; Apr. 27.
Films, Manufacturing rubber hydrochloride. W. C. Calvert. 2,078,526; Apr. 27.
Filter apparatus. P. E. Ashton, C. B. Perkins, and C. A. Lind. 2,078,524; Apr. 27.
Filter cloth holder. B. F. Parr and L. J. Greenaalt. 2,078,682; Apr. 27.
Finish, Composite novelty. C. R. Smedley. 2,078,291; Apr. 27.
Fishing lure. H. M. Shenitz. 2,078,816; Apr. 27.
Fishing lure, Fly casting. L. C. Hoefer. 2,078,798; Apr. 27.
Fittings for plumbing systems. E. W. Kaiser and J. E. Quinn. 2,078,879; Apr. 27.
5-droxy-hydrindene-ortho-carboxylic acid. W. Zerweck, E. Korten, and M. Schubert. 2,078,625; Apr. 27.
Flasher. E. H. Pendleton. 2,078,583; Apr. 27.
Food handling apparatus. H. L. Johnston. 2,078,497; Apr. 27.
Foot measuring instrument. C. F. Bannock. 2,078,368; Apr. 27.
Forms, Manufacture of relief printing. M. Hagedorn and G. von Kujawa. 2,078,535; Apr. 27.
Fountain: *See*—
Dental fountain.
4,5-atkyisubstituted 2-aminodiaryl-ketones and preparing them. G. Kränzlein and T. Meissner. 2,078,538; Apr. 27.
Frame: *See*—
Adjustable window frame. Heddle frame.
Handbag frame. Sheet metal frame.
Friction element and bond therefor. R. E. Spokes. 2,078,617; Apr. 27.
Fruit juice extractor, Automatic. C. B. Segovia. 2,078,737; Apr. 27.
Fuel burner, Liquid. E. C. Vollmer. 2,078,884; Apr. 27.
Fuel injection system for internal combustion engines. J. Seagram. 2,078,286; Apr. 27.
Fuel, Motor. H. B. J. Schurink. 2,078,736; Apr. 27.
Fuel to prevent dusting and product thereof, Coating. P. K. Frolich. 2,078,755; Apr. 27.
Furfural, Production of. E. I. Fulmer, L. M. Christensen, and R. M. Hixon. 2,078,241; Apr. 27.
Furnace: *See*—
Heat-treating furnace.
Furnace and its operation. K. M. Simpson. 2,078,348; Apr. 27.
Furnace kiln, dryer and the like, Rotary. F. Lloyd and H. Lindars. 2,078,333; Apr. 27.
Galter. L. Wiesenfeld. 2,078,550; Apr. 27.
Gauge: *See*—
Angle test gauge. Saw set and filing gauge.
Differential pressure gauge.
Generator: *See*—
High voltage generator.
Generator construction, Electric. H. Ford. 2,078,376; Apr. 27.
Glass cutting mechanism. M. B. Kendis. 2,078,386; Apr. 27.
Glass, Tempering. R. Monnier. 2,078,541; Apr. 27.
Glassware, Forming hollow. L. G. Bates. 2,078,919; Apr. 27.
Glaze. H. M. Michel. 2,078,504; Apr. 27.
Glider, Arrow. J. Drobniewsky. 2,078,374; Apr. 27.
Golf ball cores, centers, or the like, Filling. J. M. Oldham. 2,078,406; Apr. 27.
Governor. A. C. Hoof. 2,078,850; Apr. 27.
Grater. A. L. Pace. 2,078,507; Apr. 27.
Green-fodder, Preservation of. F. A. Henglein and F. W. Stauf. 2,078,537; Apr. 27.
Grid-controlled gas-filled tube. J. Slepian. 2,078,883; Apr. 27.
Grinding apparatus. L. J. Sauer. 2,078,410; Apr. 27.
Grinding machine, Hydraulically operated. W. H. Wood. 2,078,749; Apr. 27.
Grinding machine table reciprocating mechanism. C. G. Flygare. 2,078,757; Apr. 27.
Grip, Hose. B. N. Smith. 2,078,464; Apr. 27.
Guardrail construction, Highway. W. R. Baxter. 2,078,704; Apr. 27.
Guard, Road. W. R. Macatee. 2,78,864; Apr. 27.
Guide, Knitting machine design. L. R. Treinis. 2,078,646; Apr. 27.
Gyroscopic apparatus. P. Schilovsky. 2,078,734; Apr. 27.
Gyroscopic phenomena, Structural. J. E. Lemoine. 2,078,729; Apr. 27.
Hair waving clamp. O. Selter. 2,078,460; Apr. 27.
Hair waving heater. E. O. Frederics. 2,078,758; Apr. 27.
Handbag frame. W. C. Hiering. 2,078,495; Apr. 27.
Handbag, Lady's. L. Wolff, née L. Saling. 2,078,624; Apr. 27.
Head for fluid containers, Discharge. S. E. Allen and J. E. Rennert. 2,078,553; Apr. 27.
Headwear. K. L. Riebold. 2,078,511; Apr. 27.
Heat-treating furnace, Continuous. R. S. Fearnside. 2,078,905; Apr. 27.
Heater: *See*—
Unit heater.
Heater control system. E. H. Lockwood, II. 2,078,675; Apr. 27.
Heater for fireplaces, Water. F. Stenzel. 2,078,514; Apr. 27.
Heating control. W. O. Lum. 2,078,802; Apr. 27.
Heating system, Electric. G. E. Strawser. 2,078,548; Apr. 27.
Heating system for boilers, Feed water. A. Williams and E. Henkel. 2,078,785; Apr. 27.
Heating systems, Control of. K. W. Roblin. 2,078,775; Apr. 27.
Heddle frame. L. Kasper. 2,078,897; Apr. 27.
Heel and cushion connecter. V. P. Williams. 2,078,551; Apr. 27.
Heel, Cushion rubber. R. H. Boag. 2,078,311; Apr. 27.
Heel, Shoe. P. S. Bauer. 2,078,626; Apr. 27.
High voltage generator. C. W. Hansell. 2,078,760; Apr. 27.
Hinge: *See*—
Door hinge.
Hinge. L. Segar. 2,078,815; Apr. 27.
Hitch. S. D. Hovey. 2,078,851; Apr. 27.

Hitch, Tractor implement. A. Ronning. 2,078,413; Apr. 27.
Holder: *See*—
Cigarette and necktie holder. Pencil or pen holder.
Filter cloth holder. Price tag holder.
Key holder. Tool holder.
Holder. C. O. Stenmark. 2,078,741; Apr. 27.
Hole intermitter, Bottom. W. L. Clark. 2,078,482; Apr. 27.
Hood latch. N. A. Mears. 2,078,717; Apr. 27.
Horizon, Artificial. B. G. Carlson and L. F. Carter. 2,078,560; Apr. 27.
Hose connecter. M. H. Ryan. 2,078,733; Apr. 27.
House, Poultry. A. B. Allan and J. M. Howie. 2,078,593; Apr. 27.
Hydrant. L. P. Storey. 2,078,782; Apr. 27.
Hydraulic apparatus. F. D. Chapman. 2,078,235; Apr. 27.
Hydrocarbons, Converting. J. S. Harrison. 2,078,493; Apr. 27.
Hydrocarbons into lower-boiling hydrocarbons, Catalytic conversion of higher-boiling. E. J. Houdry. 2,078,247; Apr. 27.
Hydrocarbons, Treating. B. Ormont. 2,078,407; Apr. 27.
Illuminating microscopic objects, Device. R. Richter. 2,078,586; Apr. 27.
Indicating and control device. W. E. Newman. 2,078,270; Apr. 27.
Indicating and regulating system. F. H. Gulliksen. 2,078,661; Apr. 27.
Infusions, Apparatus for making. E. Cavalletti. 2,078,561; Apr. 27.
Ingots of cruciform cross-section, Device for coring, dividing, and condensing. I. Urbaniak. 2,078,702; Apr. 27.
Ink roller cleaning device. R. A. Krahmer. 2,078,635; Apr. 27.
Insert mechanism. R. B. Lewis. 2,078,801; Apr. 27.
Insoles, Article of manufacture, for example. F. W. Merrick. 2,078,337; Apr. 27.
Insulation for valved pipe installation, Terminal. J. M. Le Grand. 2,078,606; Apr. 27.
Insulation material, Laminated. O. H. Smith. 2,078,422; Apr. 27.
Insulation, Refractory heat. F. Christenson and H. N. Clark. 2,078,753; Apr. 27.
Inverter tube. D. D. Knowles. 2,078,672; Apr. 27.
Iron and method, Wrought. C. Hart. 2,078,494; Apr. 27.
Irrigation, Method and apparatus for overhead. W. H. Rabe. 2,078,510; Apr. 27.
Jig. I. B. Humphreys. 2,078,605; Apr. 27.
Joint: *See*—
Universal joint.
Joint for circulators. J. A. Smith. 2,078,465; Apr. 27.
Joint for concrete pavements and the like, Expansion, contraction, and construction. R. M. Simrall. 2,078,693; Apr. 27.
Joint with rubber sealing cap, Load transmission. R. R. Robertson. 2,078,280; Apr. 27.
Key holder. E. R. Hallock. 2,078,325; Apr. 27.
Knob, Hand. J. D. MacLaury. 2,078,865; Apr. 27.
Label applying mechanism. N. Kraft. 2,078,252; Apr. 27.
Labeling machine. C. H. Oslund. 2,078,870; Apr. 27.
Lap-forming apparatus. J. Weinbrenner. 2,078,355; Apr. 27.
Latch: *See*—
Hood latch.
Lathe, Automatic. E. J. Svenson. 2,078,697; Apr. 27.
Lead with phosphorus, Decopperizing. J. O. Betterton and Y. E. Lebedeff. 2,078,225; Apr. 27.
Leg, Artificial. L. H. Barghausen. 2,078,595; Apr. 27.
Lever, Brake. F. Schaefer. 2,078,417; Apr. 27.
Lever for aircraft or similar rocking lever devices in control mechanisms, Control. R. Hafner. 2,078,663; Apr. 27.
Light: *See*—
Taillight and stop light.
Light for photography, Source of. W. Schneider. 2,078,689; Apr. 27.
Light system, Blinking. G. C. Davis. 2,078,372; Apr. 27.
Lighter, Gas. L. Laghetto. 2,078,576; Apr. 27.
Lighting fixture. H. J. Flaherty. 2,078,793; Apr. 27.
Lighting control. T. H. Long. 2,078,677; Apr. 27.
Limb, Artificial. L. H. Barghausen. 2,078,594; Apr. 27.
Limit switch. O. F. Carlson. 2,078,441; Apr. 27.
Liquid projecting device. C. E. Howett. 2,078,326; Apr. 27.
Liquors, Treating acid. A. J. Tulleners. 2,078,516; Apr. 27.
Lock: *See*—
Sash lock.
Lock. J. Holtzman. 2,078,248; Apr. 27.
Locking device. C. W. Dupuis. 2,078,724; Apr. 27.
Locking device. G. R. Gagne. 2,078,631; Apr. 27.
Locomotive. J. A. McGrew. 2,078,262; Apr. 27.
Locomotive with boilers arranged in thermal cascade and with cycles equilibrated with thermal valves, Multiple unit steam. P. Crosti. 2,078,564; Apr. 27.
Loudspeaker. A. A. Thomas. 2,078,469; Apr. 27.
Lubricator construction, High pressure. J. C. Morrow. 2,078,267; Apr. 27.
Lumber, Artificial. J. V. Nevin. 2,078,269; Apr. 27.
Machine for covering heels. L. J. Bazzoni. 2,078,307; Apr. 27.
Machine for cutting sheet material. F. W. Merrick. 2,078,336; Apr. 27.
Machine for drying photographic films and the like. J. W. Smith. 2,078,292; Apr. 27.
Machine for forming and applying liquid spray. W. K. Andrew. 2,078,223; Apr. 27.
Machine for laying protective paper over plants. A. Pfeiffer. 2,078,872; Apr. 27.
Machine for making coils of wire. C. Eisler. 2,078,630; Apr. 27.
Machine for making paper bags. R. W. Jaite. 2,078,496; Apr. 27.
Machine for making records on statistical cards. A. Thomas. 2,078,470; Apr. 27.
Machine for marking hosiery or other articles. G. F. Jost. 2,078,448; Apr. 27.
Machine for scaling lumber. W. F. McCabe. 2,078,335; Apr. 27.
Machine tool. O. Panzner. 2,078,871; Apr. 27.
Magnet dynamo-electric machine, Permanent. F. W. Merrill. 2,078,805; Apr. 27.
Mailing device with reply member. C. A. Binger. 2,078,873; Apr. 27.
Manifold for tank vehicles, Delivery. J. A. Jefferson. 2,078,384; Apr. 27.
Maple flavoring material, Nonliquid. H. E. Allen. 2,078,215; Apr. 27.
Massage device. W. A. Hardman. 2,078,536; Apr. 27.
Match vending machine. J. Fritsche and J. C. Hadik. 2,078,490; Apr. 27.
Material, Method and means for drying. R. L. Sutherland. 2,078,515; Apr. 27.
Material working apparatus and hydraulic system of control therefor. E. J. Svenson. 2,078,698; Apr. 27.
Material working apparatus, Hydraulic. E. J. Svenson. 2,078,696; Apr. 27.
Materials, Testing compression strength of. S. Vadner. 2,078,296; Apr. 27.
Measuring device, Remote. M. A. Smith, Jr., and F. L. Prescott. 2,078,616; Apr. 27.
Measuring instrument. K. E. Summers. 2,078,352; Apr. 27.
Measuring system, Remote. C. Oman. 2,078,680; Apr. 27.
Melting, Method and apparatus for. S. A. Forter. 2,078,794; Apr. 27.
Melting, Method and apparatus for. S. A. Forter. 2,078,795; Apr. 27.
Member for paper stock treating machines, Intercepting. A. Le R. Bolton. 2,078,218; Apr. 27.
Member for type line setting and printing machines, Spacing. F. J. Weber. 2,078,722; Apr. 27.
Metal heating. R. A. Vasey. 2,078,746; Apr. 27.
Metals in aqueous systems, Preventing corrosion of. E. Lieber and W. H. Smyers. 2,078,256; Apr. 27.
Metallizing composition. J. V. Reardon and P. L. Goodale. 2,078,808; Apr. 27.
Metalware articles, Preparation of tubular sheet. W. Irven. 2,078,714; Apr. 27.
Meter: *See*—
Vibration meter.
Metronome. J. H. Morrison. 2,078,505; Apr. 27.
Mills, Supporting and driving tubular grinding. F. R. Barratt. 2,078,829; Apr. 27.
Mobile apparatus for icing refrigerator vehicles. E. C. Grayson and V. W. Benner. 2,078,379; Apr. 27.
Modulating system for short waves. I. Wolff. 2,078,302; Apr. 27.
Modulation and frequency stabilization. H. E. Hollmann. 2,078,245; Apr. 27.
Modulation measuring system. H. J. Schrader. 2,078,285; Apr. 27.
Mothproofing compositions of matter. T. P. Remy. 2,078,458; Apr. 27.
Motor: *See*—
Electric motor. Vibratory electric motor.
Synchronous motor.
Motor control system. B. O. Austin and N. H. Willby. 2,078,216; Apr. 27.
Motor control system. L. G. Riley. 2,078,684; Apr. 27.
Motor control system. L. G. Riley, N. H. Willby, and F. B. Powers. 2,078,683; Apr. 27.
Motor control system. N. H. Willby. 2,078,648-9; Apr. 27.
Motor control system, Alternating current. J. F. Kovalsky. 2,078,673; Apr. 27.
Mount, Drill. A. Park. 2,078,610; Apr. 27.
Mounting, Eyeglass. O. Y. Ladd. 2,078,575; Apr. 27.
Mounting for a high speed cutting tool. De F. A. Lapham. 2,078,859; Apr. 27.
Mounting for hose couplings. W. H. Miller. 2,078,453; Apr. 27.
Mounting for piezoelectric elements. S. A. Bokovoy and P. D. Gerber. 2,078,229; Apr. 27.
Mounting for piezo-electric elements, Self-leveling. H. J. Schrader and R. F. Boy. 2,078,284; Apr. 27.
Mounting, Loudspeaker. F. Freimann and J. L. Friesner. 2,078,321; Apr. 27.
Mounting, Ophthalmic. J. C. Wells. 2,078,297; Apr. 27.

Mounting, Pen-arm. W. N. Hubbard. 2,078,763; Apr. 27.
Muffling device. E. E. Grover. 2,078,242; Apr. 27.
Multistage ejector. J. C. Sim. 2,078,614; Apr. 27.
Non-skid device for vehicle wheels. G. Kielmansegg. 2,078,764; Apr. 27.
Nozzle. F. J. R. Karlström. 2,078,634; Apr. 27.
Nut blanks, Making. J. W. Gibney. 2,078,658; Apr. 27.
Nut, Clinch-on. F. G. Richardson. 2,078,411; Apr. 27.
Offset preventing mechanism. A. K. Taylor. 2,078,742; Apr. 27.
Offset process. E. H. Bucy. 2,078,790; Apr. 27.
Oil dispensing apparatus. I. L. Eastman. 2,078,486; Apr. 27.
Oil, Extracting liver. C. Nielsen. 2,078,404; Apr. 27.
Oil, Lubricating. C. C. Towne. 2,078,472; Apr. 27.
Oil, Preparation of fuel. R. L. Savage, Jr. 2,078,882; Apr. 27.
Oil, Solvent refining of mineral. L. A. Clarke. 2,078,442; Apr. 27.
Oil well pump. G. A. Gage. 2,078,322; Apr. 27.
Oil, Wood preservative. A. Holmes. 2,078,570; Apr. 27.
Oils, Device for reclaiming used crankcase. C. W. Troxell. 2,078,818; Apr. 27.
Oils, Treating hydrocarbon. W. M. Stratford. 2,078,468; Apr. 27.
Open mesh bag. W. E. Sackner and J. E. Millett. 2,078,414; Apr. 27.
Ore reducing machine. A. D. Hadsel. 2,078,708; Apr. 27.
Oscillating device for egg containers. B. H. Clem. 2,078,443; Apr. 27.
Oscillating mechanism for the oscillating wires or sieves of paper making and other machinery. K. Lurz and K. Schönemann. 2,078,715; Apr. 27.
Oven, Vaportight, exteriorly heated electric baking. F. W. O. Dorl and A. Schnitzler. 2,078,840; Apr. 27.
Oxidation products of cystine and related compounds and making the same. G. Toennies and T. F. Lavine. 2,078,592; Apr. 27.
Oxygen emergency apparatus. R. V. Foregger. 2,078,567; Apr. 27.
Package. L. E. Schleber. 2,078,735; Apr. 27.
Packing ring. A. W. Wenzel. 2,078,748; Apr. 27.
Pad: *See*—
Catamenial pad. Corn pad.
Pan unit, Baking. A. T. Macdonald. 2,078,716; Apr. 27.
Paper break detector. P. Juchter. 2,078,800; Apr. 27.
Partition construction, Demountable. T. R. Graham. 2,078,491; Apr. 27.
Pattern control mechanism, Knitting machine. H. H. Holmes. 2,078,571; Apr. 27.
Pedal attachment. W. P. Griffiths. 2,078,324; Apr. 27.
Pencil, Lead feeding. A. Winter. 2,078,433; Apr. 27.
Pencil or pen holder. U. G. Hale. 2,078,533; Apr. 27.
Permanent waving apparatus. M. Burton. 2,078,559; Apr. 27.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,078,652–3; Apr. 27.
Petroleum emulsions, Breaking. M. De Groote. 2,078,654–5; Apr. 27.
Phosphates, Manufacture of alkyl and aryl. R. L. Shuman. 2,078,421; Apr. 27.
Phosphaticles from soapstock, Obtaining. B. H. Thurman. 2,078,428; Apr. 27.
Photographic emulsion. L. G. S. Brooker. 2,078,233; Apr. 27.
Photographic material having aldehyde screening dyes. L. D. Mannes and L. Godowsky, Jr. 2,078,398; Apr. 27.
Photography, Color. B. Lugrin. 2,078,578; Apr. 27.
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Piston ring expander. F. A. Luthy. 2,078,395; Apr. 27.
Plug valve. S. J. Nordstrom. 2,078,271; Apr. 27.
Polarizing body, Refracting. E. H. Land. 2,078,254; Apr. 27.
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Press deflating mechanism. J. F. Smith. 2,078,588; Apr. 27.
Press mechanism, Punch. V. A. Boker. 2,078,706; Apr. 27.
Pressure recording device. H. D. Wilde, Jr. 2,078,623; Apr. 27.
Price tag holder. O. H. Wilke. 2,078,518; Apr. 27.
Printing couple, Apparatus for and method of cooling a. G. A. Friess. 2,078,378; Apr. 27.
Printing press. C. S. Crafts. 2,078,628; Apr. 27.
Printing press, Hand operated. C. E. Carlsen. 2,078,751; Apr. 27.
Protective system. E. Schulze. 2,078,691; Apr. 27.
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Protector for suede shoes. M. C. Palmer. 2,078,732; Apr. 27.
Pulley, Clothesline. F. L. Kohlhagen. 2,078,857; Apr. 27.
Pulpstone. T. Larsson. 2,078,451; Apr. 27.
Pulpstone and filler for the same. T. Larsson. 2,078,452; Apr. 27.
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Diffusion vacuum pump.
Pump. J. A. Armitage. 2,078,435; Apr. 27.
Pump construction. A. de Weal, F. K. Krag, and C. A. Anderson. 2,078,483; Apr. 27.
Radio condenser. A. Agronofsky. 2,078,522; Apr. 27.
Radiographic apparatus. F. T. Powers. 2,078,340; Apr. 27.
Radio tuning device. J. H. Naden. 2,078,637; Apr. 27.
Rail for rollers, wheels, and the like, Guide. E. E. Rouse. 2,078,811; Apr. 27.
Rays, Method of and apparatus for measuring the energy of. K. H. Meier. 2,078,768; Apr. 27.
Razor and vibratory motor therefor, Safety. R. Goldschmidt. 2,078,845; Apr. 27.
Reaction product of gallic acid and a soluble tungsten compound and making it. A. Pacz. 2,078,609; Apr. 27.
Receiver, Small. T. Kato. 2,078,385; Apr. 27.
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Rivet setting machine. J. Gualtiere. 2,078,660; Apr. 27.
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CLASSIFICATION OF PATENTS

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NOTE.—First number = class, second number = subclass, third number = patent number

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Notice

In accordance with the provisions of Rule 17 of the Rules of Practice in the United States Patent Office, an examination for the registration of attorneys to practice before the United States Patent Office will be held on May 19, 1937.

This examination may be taken in any of the large cities of the country and will be given under the direction of the Civil Service Commission. Applications to take the examination should be made to the Commissioner of Patents and such applications must be received in the Patent Office not later than May 4, 1937.

Application blanks may be obtained from the Chief Clerk of the Patent Office.

LESLIE FRAZER,
Chairman of the Committee on Enrollment and Disbarment.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Mar. 11, 1937.*
Clifford R. Carney, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the applications for patent of Clarence E. Journey, 5810 South Normandie Avenue, Los Angeles, California, Herbert G. Breitenstein, 4619 Ravenswood Avenue, Chicago, Illinois, and Clifford R. Carney, Post Office Box 1406, Miami, Florida. The attorneys who represented the party Carney, in withdrawing from the case, gave the present address of Carney as % Cliff Electric Co., 140 Seybold Arcade, Miami, Florida. A copy of an office action sent to said Carney at this last mentioned address, has been returned by the post office as undeliverable. Notice is hereby given that unless said Carney, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. N. Y.) Grace patent, No. 1,153,217, for condenser, claim 1 *Held* invalid or, if valid, not infringed. *Worthington Pump & Machinery Corporation* v. *Ingersoll-Rand Co.*, 87 F.(2d) 326.

(C. C. A. N. Y.) Marcus patent, No. 1,433,901, for artificial eyes for dolls, display figures, and the like, claims 1 and 2 *Held* not infringed. *Margon Corporation* v. *Goldberger*, 87 F.(2d) 335.

(C. C. A. N. Y.) Bancel patent, No. 1,550,332, for surface condenser, claims 1 and 2 *Held* invalid. *Ingersoll-Rand Co.* v. *Worthington Pump & Machinery Corporation*, 87 F.(2d) 326.

(C. C. A. N. Y.) Klein patent, No. 1,789,236, for tag-securing means, *Held* valid and infringed. *Klein* v. *American Casting & Manufacturing Corporation*, 87 F.(2d) 291.

(C. C. A. N. Y.) Wurster patent, No. 1,865,995, for cravat holder, claims 1, 3, 4, and 5 *Held* invalid. *Wreal Cravat Holder Co.* v. *Lordjs*, 87 F.(2d) 313.

(C. C. A. N. C.) Kullman patent, No. 1,904,316, for picker for fly shuttle looms, claim 1 *Held* valid and infringed. *McKee* v. *Graton & Knight Co.*, 87 F.(2d) 262.

(C. C. A. N. Y.) Rollins and Dobbs patent, No. 2,005,361, for cap, *Held* invalid. *Rollins* v. *Liggett Drug Co.*, 87 F.(2d) 290.

(D. C. N. Y.) Aufiero patent, No. 2,032,786, for heater, claim 8 *Held* invalid. *E. A. Laboratories* v. *Smith & Gregory of New York*, 17 F. Supp. 583.

(C. C. A. N. Y.) Tulchin reissue patent, No. 18,211, for turnstile, claims 24 to 27 *Held* valid and infringed. *Tulchin* v. *Percy Mfg. Co.*, 87 F.(2d) 302.

(C. C. A. N. Y.) Marcus reissue patent, No. 18,332, for doll eyes, claims 5, 8, 24, 25, 30 and 31 *Held* invalid. *Margon Corporation* v. *Goldberger*, 87 F.(2d) 335.

(C. C. A. Wis.) Woodford reissue patent, No. 19,148, for apparatus for supplying air under pressure, claims 1, 2, 3, 6, 7, 8, 9, and 10 *Held* valid but not infringed. *Romort Mfg. Co.* v. *Service Station Equipment Co.*, 87 F.(2d) 225.

Condition of Applications Under Examination at Close of Business March 20, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 37,197; Trade-Mark Division, 1,662. Oldest new case, Sept. 23, 1936; oldest amended, Sept. 11, 1936.)
(The dates given are 1936 except where † indicates 1937)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Nov. 17	Dec. 28	451
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Oct. 27	Oct. 29	765
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Dec. 28	Dec. 21	463
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Nov. 20	Nov. 23	595
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Dec. 14	Dec. 10	510
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Nov. 23	Nov. 21	712
5725	7. JARBOE, C. G., Optics; Photography	Dec. 22	Dec. 21	837
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Dec. 1	Dec. 2	498
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Dec. 30	Dec. 23	465
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Dec. 19	†Jan. 2	423
5067B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Dec. 22	Dec. 24	398
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Oct. 14	Nov. 4	678
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Dec. 29	Dec. 29	484
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Dec. 12	Dec. 12	602
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Dec. 16	Dec. 16	951
5612	16. SPENCER, C. J., Telegraphy; Telephony	Nov. 20	Nov. 20	619
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 21	Dec. 21	565
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 20	Nov. 20	496
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Dec. 2	Nov. 30	715
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking; Bread, Pastry, and Confection Making.	Dec. 15	Dec. 18	469
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 21	Dec. 22	621
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Dec. 22	Dec. 22	596
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Sept. 24	Sept. 11	228
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 23	†Jan. 6	551
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 18	Dec. 16	514
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	†Jan. 4	†Jan. 7	431
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Oct. 7	Oct. 8	790
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Dec. 23	Dec. 28	289
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Dec. 28	Dec. 28	441
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 20	Nov. 20	756
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Dec. 24	Dec. 28	444
4086	32. LESH, CARL (Act.), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating.	Dec. 23	Dec. 22	466
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Dec. 17	Dec. 31	614
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Dec. 31	†Jan. 14	289
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Oct. 21	Oct. 24	683
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	†Jan. 12	†Jan. 11	282
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Nov. 11	Nov. 12	727
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Dec. 22	Nov. 28	381
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 20	Nov. 27	454
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Nov. 13	Nov. 14	1170
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Oct. 24	Oct. 22	449
5882	42. CUTTING, H. O., Electric Signaling	Dec. 3	Dec. 18	390
4386B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Dec. 21	Dec. 21	597
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Nov. 25	Nov. 27	628
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling	Nov. 6	Nov. 13	647
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Dec. 7	Dec. 7	420
7600	47. BARKER, H., Clutches; Brakes	†Jan. 5	†Jan. 2	431
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 20	Dec. 20	523
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Dec. 14	†Jan. 8	427
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Dec. 20	Dec. 29	622
5628	51. BACKUS, C. D., Radiant Energy	Dec. 17	Dec. 17	714
7709	52. KNOTTS, M. E., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 31	Dec. 28	573
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Oct. 31	Oct. 28	1020
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	†Jan. 2	†Jan. 11	364
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 19	Oct. 9	845
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Nov. 27	Nov. 23	845
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Nov. 22	Nov. 16	557
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Dec. 31	Dec. 29	331
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	†Jan. 6	†Jan. 7	393
5806	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Nov. 2	Nov. 4	610
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Dec. 31	Dec. 23	317
3876	62. PUGH, E. C., Games; Geometrical Instruments	†Jan. 2	Dec. 30	450
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting and Fermentation	Dec. 11	Dec. 17	537
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Dec. 21	Dec. 21	834
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 20	Oct. 17	745
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	†Feb. 16	†Mar. 4	1426
	{Labels and Prints	†Feb. 20	†Mar. 5	236
2005	Designs, H. H. KALUPY	†Feb. 23	†Mar. 8	510

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE PADGETT

No. 3,718. Decided December 21, 1936

86 F.(2d) 754

PATENTABILITY—UNIVERSAL JOINT.

Claims for a universal joint *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Strauch & Hoffman and *Mr. James A. Hoffman* for Padgett.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the decision of an Examiner denying patentability, in view of prior art, of claims 29–35, inclusive, of an application for patent for universal joint.

Claim 31 is illustrative:

31. In a universal joint, the combination of a plurality of relatively movable members including a member having a pair of substantially aligned openings therein and a second member having a pair of trunnions extending outwardly into said openings, bearing cups disposed in said openings around said trunnions and closing said openings outwardly of the trunnions therein, abutment means on said second member just inwardly of each trunnion, a shell containing a packing surrounding each trunnion and positioned by said abutment means, each shell providing a groove surrounding the trunnion and opening toward the adjacent bearing cup, said cups having end portions projecting inwardly from the openings in which said cups are disposed and extending into said grooves into contact with said packings, thrust elements between said cups and the ends of said trunnions, and retaining means in said openings providing abutments located outwardly of said cups and contacting the cups to retain the same in said openings to position said thrust elements and to maintain the inwardly projecting end portions of the cups against the packings in said grooves and within said shells.

The references are: McCoy, 824,194, June 26, 1906; Swenson, 1,380,270, May 31, 1921; Anderson, 1,450,706, April 3, 1923; Smith, 1,594,476, Aug. 3, 1926; Cutting, 1,693,593, Dec. 4, 1928.

The Examiner rejected claims 29, 30, 31, 33, 34 and 35 upon Cutting, and claim 32 upon Cutting in view of McCoy. The Board made reference to both Cutting and McCoy, and added the other references, stating that they had been used as references against claims such as 29, 34 and 35 when those claims were proposed in certain interference proceedings where they were denied for want of patentability. The Board's rejection like that of the Examiner was based principally upon Cutting, the other references being cited as to certain designated features.

In his brief before us, appellant has included charts, in one of which he shows the elements of his own claims separated, and also the elements of the Cutting patent similarly separated.

The elements as listed in the chart of appellant's device, in their order from the top thereof, are (a) retaining means or snap ring; (b) bearing cup; (c) thrust elements or ball; (d) bearing means centering trunnion in cup, and (e) member having a pair of alined openings, which member contains (1) groove for reception of snap ring; (2) annular packing; (3) shell forming groove surrounding trunnion; (4) trunnion; (5) abutment means inwardly of trunnion, and (6) member having a pair of trunnions.

Elements corresponding roughly, but in some instances different in type, to most of the elements listed by appellant are found in the chart of the Cutting patent, the arrangement of certain of them, however, being in a different order from appellant's arrangement. In addition, Cutting shows some elements, or parts thereof, not shown by appellant.

McCoy seems to have been cited solely with reference to appellant's thrust ball.

The Smith patent seems to have been cited to show the use of split spring rings to hold caps in place.

The Anderson patent apparently was cited as showing a universal joint having trunnion-connector bearing units with packing interposed therebetween.

Swenson shows a universal joint not unlike that of Anderson. It discloses bearing bushings which have a press-fit with the cap sockets, the cap being held in operative position by a lock nut. It shows the use of packing and the relation in which such packing is placed.

Appellant has pointed out certain limitations in his claims which, it is argued, are neither met by Cutting alone, nor by Cutting in view of any of the other references.

The gist of these limitations is contained in that portion of claim 31, supra, reading:

> • • • retaining means in said openings providing abutments located outwardly of said cups and contacting the cups to retain the same in said openings to position said thrust elements and to maintain the inwardly projecting end portions of the cups against the packings in said grooves and within said shells.

Of the foregoing, appellant's brief says:

> It will be observed that a triple function is thus attributed in this claim to the retaining means, namely, the retention of the cups in the openings, the positioning of the thrust bearing, and the maintenance of the inwardly projecting end portions of the cups against the packings in said grooves and within the shells.
>
> While it is true that the Cutting patent includes the thrust element, broadly, it is not a fact that said patent includes any retaining means located outwardly of the cups and contacting with the cups that is effective to accomplish the three results just referred to.

So, it is practically conceded that Cutting does disclose a thrust element. This element seems to us to perform the same function as appellant's thrust ball. Cutting shows it in the form of a steel washer, but McCoy shows a ball, and we think there was no error in the holding to the effect that there would be no invention in substituting McCoy's thrust means for the thrust means of Cutting.

Respecting the contention that Cutting does not show any retaining means located outwardly of the cups, and contacting with the cups, that is effective

to accomplish the three results accomplished by the combination of the elements mentioned in the excerpt quoted from claim 31, supra, it may be said that, even conceding Cutting does not show means which would effect these results in the manner which appellant's device effects them, Smith does disclose a split ring as a retaining means and both Anderson and Swenson disclose structural features which seemingly perform functions quite similar to the functions of appellant's corresponding features.

The limitations pointed out in the brief as residing in other of the claims, and urged as material, do not impress us as amounting to more than statements, in different language, of the elements appearing in claim 31, already commented upon. It is insisted that neither Anderson nor Swenson suggests the securing of a bearing cup in the member having substantially alined openings (or the yoke members as Cutting calls them) by any means providing abutments located outwardly of the opening. Conceding this to be true, it is not felt that invention was involved in modifying the features and arrangement which are shown by the prior art to produce appellant's combination.

All the claims before us are related to structure; not method. We have to measure structure by structure, so far as the appealed claims are concerned. Appellant may be entitled to method claims, for which, the record shows, he has another application pending, but here we must consider structure only. To produce appellant's device, he, necessarily, had to modify some of the structural features of the prior art devices, but we are not convinced that such modification and the combination in slightly different arrangement of the elements so modified, in the manner expressed in the appealed claims, required use of more than mechanical skill.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1937]

1,213,150, H. C. Bullis, Method of producing magnetic sound-records for talking-motion-picture films, filed Feb. 18, 1937, D. C., S. D. Calif., C. Div., Doc. E 1118–S, *Sound Picture Patent Co.* v. *Metro-Goldwyn-Mayer Corp.*

1,251,030, H. B. Hoffman, Combination garment, D. C., S. D. N. Y., Doc. E 79/212, *H. B. Hoffman* v. *H. Erlich (Erlich Undergarment Co.)*. Consent order of discontinuance (notice Mar. 2, 1937).

1,294,106, G. A. Humason, Drill bit, D. C., S. D. Calif., C. Div., Doc. E 614–H, *Hughes Tool Co. et al.* v. *Crum-Brainard Co., Ltd.* Dismissed Feb. 2, 1937.

1,314,867, C. B. Gray, Power transmitting mechanism, D. C. Pa. (Philadelphia), Doc. 8621, *C. B. Gray* v. *Eastman Kodak Stores, Inc., et al.* Consent decree dismissing bill with prejudice Jan. 25, 1937.

1,335,651, H. C. Bullis, Talking-picture apparatus, filed Feb. 18, 1937, D. C., S. D. Calif. (Los Angeles), Doc. E 1119–Y, *Sound Picture Patent Co.* v. *Metro-Goldwyn-Mayer Corp.*

1,379,855, J. Donner, Cream depilatory, D. C., S. D. N. Y., Doc. E 77/13, *J. Donner* v. *W. S. Carter (Carter Co.)*. Decree for plaintiff (notice Mar. 3, 1937).

1,430,072, F. Gierse, Well drilling bit, D. C., S. D. Calif., C. Div., Doc. O–102–S, *F. D. Allen* v. *Specialty Oil Tool Co.* Dismissed for lack of prosecution Feb. 2, 1937.

1,436,459, J. Reece, Seat cover, D. C. N. Y., Doc. E 79/353, *Evr-Klean Seat Pad Co.* v. *T. Amsterdam (City Auto Supply)*. Dismissed for lack of prosecution (notice Feb. 1, 1937).

1,438,463, A. E. Saner, Signaling mechanism, filed Feb. 19, 1937, D. C. Montana (Butte), Doc. 1436, *A. E. Saner* v. *The Montana Power Co.* Same, filed Mar. 1, 1937, D. C. Mont. (Butte), Doc. 1437, *A. E. Saner* v. *Montana Power Gas Co.*

1,439,678, J. Beck, Refrigerator, D. C., S. D. Calif. (Los Angeles), Doc. E 418–H, *J. Beck et al.* v. *Ward Refrigerator & Mfg. Co.* Dismissed Feb. 5, 1937.

1,449,586, C. W. Carter, Mop, D. C., N. D. Ohio, W. Div., Doc. E 1314, *The Du-All Mfg. Co.* v. *The La Salle & Koch Co.* Consent order dismissing case without prejudice Jan. 16, 1937. Same, filed Jan. 28, 1937, D. C., N. D. Ohio, W. Div., Doc. E 1583, *The Du-All Mfg. Co.* v. *Montgomery Ward & Co., Inc.*

1,467,831, W. S. Barnickel, Process for treating petroleum emulsions, filed Jan. 15, 1937, D. C., W. D. Tex. (San Antonio), Doc. E 619, *The Tretolite Co.* v. *United North & South Development Co.*

1,467,930, J. W. Fretwell, Locked razor, D. C., S. D. N. Y., Doc. E 77/242, *J. W. Fretwell* v. *L. K. Liggett Co. et al.* Dismissed for lack of prosecution Feb. 1, 1937.

1,469,143, C. B. Gray, Power transmitting mechanism, D. S., E. D. Pa., Doc. 5887, *C. B. Gray* v. *Eastman Kodak Stores, Inc.* Consent decree dismissing bill with prejudice Jan. 25, 1937.

1,477,648, J. T. Huston, Peanut shelling machine, D. C., N. D. Fla. (Pensacola), Doc. E 20, *C. R. Medley (Medley Mfg. Co.)* v. *R. O. Collins et al.* Patent held valid and infringed, injunction Jan. 27, 1937.

1,513,637, M. Schwartz, Bushing; 1,644,154, C. F. Schriner, Bushing for metal receptacles, C. C. A., 6th Cir., Doc. 7242, *The Byrne Mfg. Co.* v. *American Flange & Mfg. Co., Inc.* Claims 1, 3, 4, 5, and 6 of 1,513,637 held valid and infringed; 1,644,154 held invalid Jan. 12, 1937.

1,521,575, H. Wittemeier, Filter for purifying air, filed Jan. 23, 1937, D. C., N. D. Ohio, E. Div., Doc. E 5560, *American Air Filter Co., Inc.*, v. *Air-Maze Corp.*

1,526,982, E. W. Hill, Stencil sheet, filed Jan. 18, 1937, D. C., S. D. Ind. (Indianapolis), Doc. E 1906, *A. B. Dick Co.* v. *Enterprise Supplies, Inc., et al.* Consent decree holding patent valid, injunction issued against J. G. Flaherty, Jr., and Enterprises Supplies, Inc. Dismissed as to P. E. Morris Feb. 13, 1937.

1,536,044, J. W. Swan, Method and means to facilitate the distribution of fuel in internal combustion engines; 1,636,721, same, Manifold, C. C. A., 6th Cir., Doc. 6933, *General Motors Corp.* v. *The Swan Carburetor Co.* Doc. 7102, *The Reeke-Nash Motors Co.* v. *The Swan Carburetor Co.* Doc. 7108, *General Motors Corp.* v. *The Swan Carburetor Co.* Claims 13 and 20 of 1,536,044, and claims 5 and 7 of 1,636,721 held valid and infringed Jan. 12, 1937.

1,544,172, A. Perkins, Sorting and classifying of flat sheets, tallies, cards, etc., filed Feb. 18, 1937, D. C., N. D. Calif. (San Francisco), Doc. E 4143, *The McBee Co.* v. *A. A. Rembold.*

1,547,680, V. D. Porter, Duplex cooking attachment for stoves, filed Feb. 8, 1937, D. C., N. D. Ala. (Birmingham), Doc. 915, *V. D. Porter et al.* v. *Sears, Roebuck & Co.*

1,554,160, Howlett & Heaston, Manganese rotary bit, filed Feb. 6, 1937, D. C., S. D. Calif. (Los Angeles), Doc. E 1106–H, *J. W. Heaston et al.* v. *E. G. Myers et al.*

1,565,267, D. F. Fowler, Upholstery pad, filed Jan. 11, 1937, D. C., E. D. Pa., Doc. 9645, *D. F. Fowler et al.* v. *Kay Mfg. Corp. et al.*

1,567,863, Sarget & De Reamer, House wiring structure, appeal filed Feb. 27, 1937, C. C. A., 2d Cir., Doc. 15283, *General Electric Co.* v. *Leviton Mfg. Co.*

1,568,532, B. Riesner, Hood for cooking range, D. C. N. J., Doc. E 5548, *B. Riesner* v. *Campbell Foundry Co* Dismissed Jan. 18, 1937.

1,581,188, C. G. Fink, Process of electrodepositing chromium and of preparing baths therefor, D. C., S. D. N. Y., Doc. E 45/375, *United Chromium, Inc.*, v. *L. Weisberg et al.* Decree making final interlocutory decree entered Mar. 25, 1933 (notice Jan. 25, 1937).

1,599,979, L. Tibbetts, Necktie and method of lining same, D. C., N. D. Calif. (San Francisco), Doc. E 3725–K, *L. Tibbetts (Tibbetts Tie Co.)* v. *H. M. Heineman Sons, Ltd.* Dismissed without prejudice Jan. 13, 1937.

1,611,099, F. O. Boyer, Brake-testing device, filed Jan. 15, 1937, D. C., S. D. Ill., N. Div., Doc. E 1359, *Weaver Mfg. Co. et al.* v. *Bear Mfg. Co.*

1,611,767, E. D. Misner, Drive mechanism for washing machines, D. C., E. D. Mich. (Detroit), Doc. 7642, *Universal Devices, Inc.*, v. *General Electric Co.* Dismissed on stipulation Feb. 10, 1937.

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1,630,495, N. Marcalus, Box for paper rolls, appeal filed Dec. 21, 1936, C. C. A., 3d Cir., Doc. 6311, *Automatic Paper Machinery Co., Inc.*, v. *Marcalus Mfg. Co. et al.*

1,635,829, O. A. Frederickson, Protecting coating for covered conductors and method of applying same, filed Nov. 30, 1936, D. C. N. J., Doc. E 5640, *National Electric Products Corp.* v. *Hatfield Wire & Cable Co.*

1,636,721. (See 1,536,044.)

1,639,248, J. G. Zolleis, Bath room fixture, filed Mar. 3, 1937, D. C., E. D. N. Y., Doc. E 8256, *J. G. Zolleis* v. *Savoy Brass Mfg. Co., Inc., et al.*

1,641,871, S. Solomon, Brief case, filed Jan. 18, 1937, D. C., S. D. N. Y., Doc. E 84/252, *S. Solomon* v. *Standard Brief Case Co., Inc.*

1,643,522, E. B. Ropp, Automatic base ball game, D. C., S. D. N. Y., Doc. E 75/374, *Automatic Baseball Corp. of N. Y. et al.* v. *Pickrum-Weaver Corp. et al.* Dismissed for lack of prosecution (notice Feb. 1, 1937).

1,644,154. (See 1,513,637.)

1,652,956, G. S. Purtyman, Process and apparatus for treating gases, fumes, etc., D. C. Ariz. (Phoenix), Doc. E 302, *G. S. Purtyman* v. *Security Improvement Co.* Dismissed with prejudice Feb. 26, 1937.

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1,669,633, Talbott & Ledbetter, Pressing machine, D. C., S. D. N. Y., Doc. E 79/60, *U. S. Hoffman Machinery Corp.* v. *Singer Pressing Machine Corp. et al.* Consent decree for plaintiff (notice Jan. 13, 1937). Same, D. C., E. D. N. Y., Doc. E 8246, *U. S. Hoffman Machinery Corp.* v. *Vitz Foundry, Inc., et al.* Consent decree for plaintiff (notice Jan. 29, 1937).

1,687,353, V. J. Swanson, Cylinder head and cooling system, D. C., S. D. Ohio, W. Div., Doc. E 379, *The A. L. Powell Power Co., Inc.*, v. *International Harvester Co.* Dismissed Jan. 28, 1936.

1,709,086, N. B. Miller, Packing, filed Jan. 22, 1937, D. C., S. D. N. Y., Doc. E 84/260, *Harold Case (The Marlo Co.)* v. *N. B. Miller, Jr. (The Keystone Co.)*.

1,713,628, R. E. Schletter, Attachment for flat-knitting machines, C. C. A., 2d Cir., Doc. —, *Textile Machine Works* v. *L. Hirsch Textile Machines, Inc.* Decree reversed (notice Feb. 1, 1937).

1,734,077, A. J. Cline, Driving mechanism for printing presses, D. C., S. D. N. Y., Doc. E 63/374, *A. J. Cline et al.* v. *The N. Y. Times Co. et al.* Consent decree for plaintiff. Dismissed as to The N. Y. Times Co.

1,748,007, R. C. Baker, Guiding, floating and cementing device for well casings, D. C., S. D. Calif. (Los Angeles), Doc. E 1004 C, *Baker Oil Tools, Inc.*, v. *Halliburton Oil Well Cementing Co.* Dismissed Jan. 30, 1937.

1,748,335, Farley & Landon, Method of treating coal and product thereof, C. C. A., 3d Cir., Doc. 6102, *Philadelphia & Reading Coal & Iron Co.* v. *Delaware, Lackawanna & Western Coal Co.* Decree affirmed Feb. 17, 1937. Same, D. C. M. D. Pa. (Scranton), Doc. 1172, *Delaware, Lackawanna & Western Coal Co.* v. *Meadowside Coal Co.* Consent decree granting injunction Mar. 4, 1937.

1,752,331, F. C. Fantz, Return bend, D. C., E. D. Ill. (E. St. Louis), Doc. 4596, *Stockham Pipe & Fittings Co. et al.* v. *J. P. Devine Mfg. Co., Inc.* Dismissed with prejudice Feb. 19, 1937.

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1,763,768, A. H. Fager, Vehicle running gear, D. C., S. D. Calif. (Los Angeles), Doc. U–67–J (M), *Fager Hydraulic Hoist & Body Co.* v. *E. R. Clayton (New Comer Trailer Mfg. Co.)*. Doc. E U–68–M, *Fager Hydraulic Hoist & Body Co.* v. *Utility Trailer Mfg. Co. et al.* Doc. U–69–H (M), *Fager Hydraulic Hoist & Body Co.* v. *Six Wheels, Inc.* Dismissed with prejudice Feb. 15, 1937, in each of above cases.

1,778,606. (See 1,757,813.)

1,980,816, R. D. McDill, Controlling apparatus, D. C. N. J., Doc. E 5182, *R. D. McDill* v. *Canister Co.* Dismissed Jan. 7, 1937.

Changes in Classification

Order No. 3,386, March 18, 1937, directs:

In *class 229, Paper Receptacles* (Division 40), establish the following subclass and definition:

Wrappers

87.2 Coin type.

87.2. Wrappers peculiarly adapted for wrapping stacked cylindrical articles such as coins, checks, tokens, lozenges, etc.

Note.—For coin packages, see class 133, COIN HANDLING, subclass 9.

The patents contained in this subclass have been taken for the most part from class 133, Coin Handling, subclass 10, abolished in this order.

In *class 133, Coin Handling* (Division 41), abolish the following subclass with its definition:

Packages

10 Wrappers.

The patents formerly contained in this subclass have been placed in class 229, Paper Receptacles, subclass 87.2, established in this order, and in class 133, subclass 9.

In *class 133, Coin Handling* (Division 41), abolish the present main class definition and notes and establish the following in lieu thereof:

This class includes machines and appliances employed for the purpose of handling coins (or checks or tokens similar in shape to coins and used as substitutes therefor), for facilitating the making of change or for transferring change from the clerk or cashier to the customer.

(1) Note.—This class does not include means for transmitting money between a clerk and a cashier at a distance for which see classes 186, STORE SERVICE, and 243, PNEUMATIC DESPATCH.

(2) Note.—For devices for testing coins, see class 73, MEASURING AND TESTING, subclass 11; class 194, CHECK-CONTROLLED APPARATUS, subclass 97, and indented subclasses; class 209, CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS; and class 265, FORCE-MEASURING, subclass 50.

(3) Note.—For coin wrapping machines, see class 93, PAPER MANUFACTURES, subclasses 2–7.

(4) Note.—For machines for filling packages with coins with or without closing means, see class 226, FILLING AND CLOSING PORTABLE RECEPTACLES, particularly subclass 14.

(5) Note.—For token or check dispensing means not limited to facilitating transfer or making of change, see class 312, SUPPORTS, CABINET STRUCTURES, particularly subclasses 45 and 72, and indented subclasses. Class 312 includes devices for dispensing articles, such as coins, checks, or tokens, as rewards or prizes in game devices wherein no game device structure is included. For such combinations with game devices, see class 273, AMUSEMENT DEVICES, GAMES.

(6) Note.—For coin handling tied up with accounting mechanism, see class 235, REGISTERS;

in subclass 3 add to the definition the following notes:

(1) Note.—See also class 209, CLASSIFYING, SEPARATING AND ASSORTING SOLIDS, particularly subclass 82, and indented subclasses.

(2) Note.—For devices for testing and incidentally separating fraudulent from genuine coins, see class 194, CHECK-CONTROLLED APPARATUS, subclasses 97–103;

in subclass 8, add to the definition the following note:

Note.—See also class 234, RECORDERS, subclasses 3, 4, 5, 9, and 9.5, and class 235, REGISTERS, subclass 33, and indented subclasses, and subclass 100;

in subclass 9, add to the definition the following notes:

(1) Note.—For bale and package ties, see class 24, BUCKLES, BUTTONS, CLASPS, ETC., subclass 16, and indented subclasses.

(2) Note.—For coin wrappers, see class 229, PAPER RECEPTACLES, subclass 87.2.

(3) Note.—For devices for receiving coins and analogous articles for transmission through the mails and preventing them from moving in the package in transit, see class 229, PAPER RECEPTACLES, subclass 92.9;

in subclass 11, add to the definition the following notes:

(1) Note.—For check racks, see class 40, CARD, PICTURE, AND SIGN EXHIBITING, subclass 19.5.

(2) Note.—For cash drawers or tills not limited to use in coin handling, see class 45, FURNITURE, subclass 7, and indented subclasses.

(3) Note.—For pocket book and purse constructions providing coin receiving, delivering, or containing features, see class 150, CLOTH, LEATHER AND RUBBER RECEPTACLES, subclass 37.

(4) Note.—For special pocket receptacles useful in coin handling, but not limited thereto, see class 206, SPECIAL RECEPTACLES AND PACKAGES, subclass 37.

(5) Note.—For racks with trays or receptacles not limited to coin handling, see class 211, SUPPORTS, RACKS, subclass 126, and indented subclasses.

(6) Note.—For savings boxes, see class 232, DEPOSIT AND COLLECTION RECEPTACLES, subclass 4, and indented subclasses; and, where essentially a toy, see class 46, AMUSEMENT DEVICES, TOYS, subclass 2, and indented subclasses;

and in subclass 12, add to the definition the following note:

Note.—For special receptacles such as trays useful in holding coins but not limited thereto, see class 206, SPECIAL RECEPTACLES AND PACKAGES, subclass 72, and indented subclasses.

In *class 194, Check-Controlled Apparatus* (Division 49), subclasses 99 and 102, add to the definitions the following note:

Note.—For machines for automatically or mechanically assorting coins according to their size, see class 133, COIN HANDLING, subclass 3.

In *class 206, Special Receptacles and Packages* (Division 40), add to the main class definition the following note:

Note.—For coin packages and receptacles limited to use in coin handling, see class 133, COIN HANDLING, subclasses 9 and 12, respectively, and indented subclasses.

In *class 209, Classifying, Separating and Assorting Solids* (Division 25), subclass 82, add to the definition the following note:

Note.—For machines for automatically or mechanically assorting coins according to their size, see class 133, COIN HANDLING, subclass 3.

In *class 312, Supports, Cabinet Structures* (Division 8), subclasses 45 and 72, add to the definitions the following note:

Note.—For coin ejectors in appliances and machines limited to use in facilitating or transferring change, see class 133, COIN HANDLING.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,920,179, Constant Battegay, Time distribution system, decided March 8, 1937, claim 3.

Design Pat. 99,101, C. H. Will, Design for automobile heater, decided March 12, 1937, the claim as shown.

Disclaimers

1,866,779.—*Howard F. Snyder*, Newton, Iowa. WASHING MACHINE. Patent dated July 12, 1932. Disclaimer filed February 23, 1937, by the assignee, *The Maytag Company*.

Hereby enters its disclaimer of claims 1 and 38 of said Letters Patent.

1,909,164.—*Claude A. Bulkeley*, Buffalo, N. Y. VENTILATING APPARATUS. Patent dated May 16, 1933. Disclaimer filed February 23, 1937, by the assignee, *Niagara Blower Company*; the patentee approving and joining.

Hereby enters this disclaimer to claims 1, 2, 5, 7, 8, 9, and 11 in said Letters Patent.

1,932,977.—*James W. Long* and *Thomas G. Collings*, Plainfield, N. J. DISPLAY APPARATUS FOR BULLETIN PRINTERS. Patent dated October 31, 1933. Disclaimer filed March 5, 1937, by the assignee, *The Western Union Telegraph Company*.

Hereby enters this disclaimer to the subject matter constituting claims 1, 5, 6, 7, and 8 of the patent.

1,966,887.—*Edgar F. Dival*, Western Springs, Ill. CAN WITH POURING SPOUT. Patent dated July 17, 1934. Disclaimer filed March 6, 1937, by the assignee, *International Patents Development Company*.

Hereby enters this disclaimer to claim 6 of the specification.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 6, 1937

[VOL. 477. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 368,398. CELLULOID CORPORATION, Newark, N. J. Filed Aug. 17, 1935.

CHARMOUR

For Material in the Form of Sheets, Films or Foils Suitable for Use in the Manufacture of Ornamental and Decorative Articles or Surfaces.

Claims use since July 3, 1935.

Ser. No. 385,680. SOUTHERN COAL COMPANY, INC., Memphis, Tenn. Filed Nov. 18, 1936.



The words "Coal" and "Red Ash" are disclaimed apart from the mark.

For Coal.

Claims use since Oct. 1, 1936.

Ser. No. 387,522. SOUTHERN STATES COOPERATIVE, INCORPORATED, Richmond, Va. Filed Jan. 6, 1937.



The word "Quality" is disclaimed apart from the mark.

For Flower, Field, and Garden Seeds.

Claims use since Aug. 22, 1933.

Ser. No. 387,803. THE STAMFORD RUBBER SUPPLY COMPANY, Stamford, Conn. Filed Jan. 14, 1937.

NEOPHAX

For Vulcanized Vegetable Oils, Vulcanized Fish Oils, and Vulcanized Animal Oils.

Claims use since Dec. 22, 1936.

Ser. No. 388,943. KATZ DRUG COMPANY, Kansas City, Mo. Filed Feb. 15, 1937.



For Grass Seed.

Claims use since Dec. 15, 1936.

CLASS 2

Receptacles

Ser. No. 385,765. R. C. WHITTINGHILL, New York, N. Y. Filed Nov. 19, 1936.

TEN-N-ONE

For an Empty Kit for Toilet Articles.

Claims use since Nov. 12, 1936.

Ser. No. 385,897. THE NATIONAL STEEL BARREL COMPANY, Cleveland, Ohio. Filed Nov. 23, 1936.

Quik-Lox PARTIAL OPENING
THE NATIONAL STEEL BARREL CO. CLEVELAND O.

The words "Quik-Lox Partial Opening" and "Cleveland, Ohio" are disclaimed apart from the mark shown.
For Metal Shipping and Storing Pails, Drums, and Barrels of the Removable Head Type.
Claims use since Nov. 12, 1936.

Ser. No. 387,605. WEST COAST GOULEY BURCHAM CO. LTD., Los Angeles, Calif. Filed Jan. 8, 1937.

SILVER CIRCLE

For Paper Bags, Paper Plates, and Paper Cups.
Claims use since Dec. 29, 1936.

Ser. No. 387,917. THE NATIONAL STEEL BARREL COMPANY, Cleveland, Ohio. Filed Jan. 18, 1937.

THE NATIONAL STEEL BARREL CO.
Quik-Lox
PAIL CLOSURE
CLEVELAND, OHIO.

The words "Quik-Lox Pail Closure" and "Cleveland, Ohio" in the present mark are disclaimed apart from the mark shown.
For Metal Shipping and Storing Pails of the Removable Head Type.
Claims use since Dec. 9, 1936.

Ser. No. 388,199. JOSEPH H. MEYER BROTHERS, Brooklyn, N. Y. Filed Jan. 26, 1937.

Slidor Hat Box

The words "Hat Box" are disclaimed apart from the mark as shown.
For Hat Boxes of Cellulose Acetate and Resinol Derivatives and Paper.
Claims use since Oct. 1, 1936.

Ser. No. 388,200. JOSEPH H. MEYER BROTHERS, Brooklyn, N. Y. Filed Jan. 26, 1937.

Win-Dor Hat Box

The words "Hat Box" are disclaimed apart from the mark as shown.
For Hat Boxes of Cellulose Acetate and Resinol Derivatives and Paper.
Claims use since Oct. 1, 1936.

Ser. No. 388,238. ODORA COMPANY, INC., New York, N. Y. Filed Jan. 27, 1937.

ODORA-MATIC

For Paperboard or Corrugated Paperboard Storage Receptacles.
Claims use since Dec. 9, 1936.

Ser. No. 388,352. M. FRIEDMAN & SON, New York, N. Y. Filed Jan. 30, 1937.

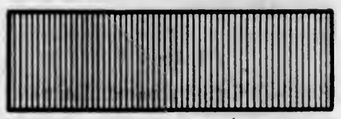
REVEAL-ALL

For Garment Bags, Laundry Bags, and Shoe Bags.
Claims use since January, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 388,734. U. S. HAME COMPANY, Buffalo, N. Y. Filed Feb. 10, 1937.

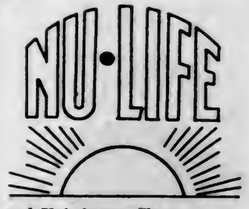


The trade-mark comprises a band or stripe of red.
For Hames.
Claims use since June 9, 1924.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 375,643. ALBERT ISSERSON, doing business as Nu-Life Rug Cleaning Company, Cleveland, Ohio. Filed Mar. 6, 1936.



For Rug and Upholstery Cleaner.
Claims use since Feb. 1, 1935.

Ser. No. 388,006. ARTHUR E. KELLER, doing business as E. Keller & Sons, Allentown, Pa. Filed Jan. 21, 1937.



The word "Silver" is disclaimed apart from the mark.
For Silver Polish.
Claims use since Jan. 7, 1937.

Ser. No. 388,056. GILBERT AND DIMITRE, Eau Claire, Wis. Filed Jan. 22, 1937.

MASTER

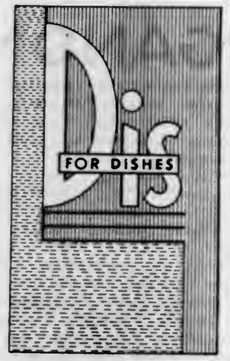
For Cleaning Soap.
Claims use since May 15, 1936.

Ser. No. 388,122. THE COWLES DETERGENT COMPANY, Cleveland, Ohio. Filed Jan. 25, 1937.

ESCOUR

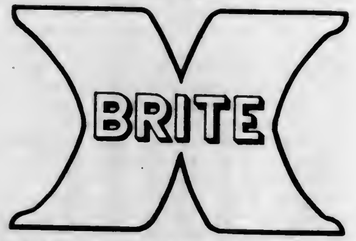
For Detergent Composition for Scouring Textiles.
Claims use since Jan. 10, 1937.

Ser. No. 388,158. V. C. PRODUCTS COMPANY, INC., Philadelphia, Pa. Filed Jan. 25, 1937.



The drawing is lined for red and grey. The words "For Dishes" are disclaimed apart from the mark.
For Soluble Cleansing Compound the Purpose of which is to Emulsify and Saponify Grease.
Claims use since June 1, 1936.

Ser. No. 388,240. VICTOR R. NOER, doing business as The Brite X Co., Colfax, Wis. Filed Jan. 27, 1937.



The word "Brite" is disclaimed apart from the mark shown.
For Chemical Compound for Cleaning Glass, in Liquid Form.
Claims use since Jan. 15, 1937.

Ser. No. 388,390. DERRIS, INC., New York, N. Y. Filed Feb. 1, 1937.

DARIS

For Flushing Powder for Bath Room Fixtures and the Like—Namely, a Toilet Bowl Cleaner.
Claims use since Jan. 5, 1937.

Ser. No. 388,579. LOUANGEL CORPORATION, New York, N. Y. Filed Feb. 5, 1937.

ANGELWHITE

For Shoe Cleaner.
Claims use since Dec. 28, 1936.

Ser. No. 388,791. FERD. MÜLHENS, INC., New York, N. Y. Filed Feb. 11, 1937.

FRISCO

For Shaving Soap, Toilet Soap, Glycerine Soap, Bath Soap, Cream Soap, Liquid Glycerine Soap, Silver Cleaning Soap, Shaving Stick.
Claims use since Jan. 26, 1937.

Ser. No. 388,950. MCCOY, JONES & WESTLAKE, INC., Chicago, Ill. Filed Feb. 15, 1937.

Suds-Buds

For Soap.
Claims use since Jan. 2, 1937.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 379,864. UNITED STATES DRUG & CHEMICAL CORPORATION, Malden, Mass. Filed June 22, 1936.

KURALGIA
FOR RELIEF OF PAIN

The words "For Relief of Pain" are disclaimed apart from the mark as shown.
For Medicinal Preparation for the Relief of Pain.
Claims use since July 1, 1929.

Ser. No. 380,913. C. EDWIN HOLMES, Onawa, Iowa. Filed July 11, 1936.

HYODINE

For Poultry Medicines.
Claims use since Mar. 1, 1931.

Ser. No. 380,914. C. EDWIN HOLMES, Onawa, Iowa. Filed July 11, 1936.

Muco Spray

The word "Spray" is disclaimed apart from the mark.
For Poultry Medicines.
Claims use since Mar. 1, 1931.

Ser. No. 381,130. MERCK & Co. INC., Rahway, N. J. Filed July 17, 1936.

BEVIONE

For Therapeutically Active Compound Comprising Crystalline Vitamin B.
Claims use since July 3, 1936.

Ser. No. 381,867. EMIL W. A. FEHRING, Manitowoc, Wis. Filed Aug. 6, 1936.

GOOD FOOT

For Bath Powder.
Claims use since July 15, 1936.

Ser. No. 381,994. N. V. ORGANON, Oss, Netherlands. Filed Aug. 10, 1936.

AMBINON

For Preparations having the Following Uses in the Treatment of Abortus; Habitual Abortion; Achylia Gastrica; Acrodynia; Acromegalia; Adipositas; Agranulocytosis; Alcoholism; Alopecia; All Kinds of Anaemia; Anaphylactia; Adnexitis; Angina Pectoris; Aphthae; Appetite; Arteritis; Arthritis; Asthenia; Asthma; Azoöspermia; Azotemia; Bang's Disease; Basophilic Adenoma; Beri-Beri; Irregularities of Blood-Pressure; Diseases of the Brains; Bullous Exanthema; Buerger's Disease; All Kinds of Cancer; Results of Castration; Cataract; Cholecystitis; Cholelithiasis; Chorea Minor; Chorionepithelioma; Intermittent Claudication; Climacteric; Collapse; Common Cold; Creatinism; Cryptorchidism; Cushing's Disease; Delirium Tremens; Dementia Praecox; Dermatosis and All Kinds of Skin Diseases and Disorders; All Kinds of Diabetes; Diphtheria; All Kinds of Dystrophia; Edema; Emaciation; Embolia; Endometritis; Epilepsy; Erysipelas; Eunuchoidism; Exophthalmus; Exudative Diathesis; Fatigue; Febris Undulans; Feminization; Foetus Mortuus; Frigidity; Frohlich's Disease; Furunculosis; Gangrene; Goitre; Gigantism; Glaucoma; Granulocytopenia; Grave's Disease; Irregularities of Growth; Gynecological Disorders; Irregularities of Hair Growth; Hematoporphyria; Irregularities of Hemoglobine-Quantity in Blood and Urine; Hemophilia; Hemorrhagic Diathesis; All Kinds of Heart Diseases and Disorders; Henbner's Disease; Hirsutism; Hay Fever; Hyperemesis Gravidarum; Hyperinsulinism; Hypertension; Hyperthyroidism; Hypertrichosis; Hypoglycemia; Hypothyroidism; Hypophyseal Cachexia; Hypotension; Hypotonia; Icterus; Ileus; Impetigo Herpetiformis; Infantilism; Infections; Inflammations; Diseases and Disorders of the Intestines; Intoxication by All Types of Poisons; Ischemia; Diseases of the Joints; Keratomalacia; Diseases of the Kidneys; Kraurosis of the Vulva; Irregularities of Lactation; Diseases of the Liver; Lung Diseases; Diseases of the Lymphatic System; Diseases of the Mammae; Marasmus; Melancholia; Menopause; Disturbances and Irregularities of Rate of Various Kinds of Metabolism; Metrorrhagia; Menstruation Disorders and Diseases; Metritis; Migraine; Hydatiform Mole; Morphinism; Myxedema; Nanosomia, Nanism; Nephritis; Nervous Diseases and Disorders; Neuralgia; Obesity; Obstetrical Disorders; Oophoritis; Irregularities of Ossification; Osteophorosis; Otitis; Irregular Ovulation; Paget's Disease; Parametritis; Paratyphus; Parkinson's Disease; Pellagra; Pemphigus Vulgaris; Peritonitis; Phlebitis; Pituitary Headache; Diseases of the Placenta; All Kinds of Pneumonia; Polyglobulia; Porphyria; Disturbances in Pregnancy; Hypertrophy of the Prostate; Pruritis Vulvae; All Diseases and Disorders of Puberty; All Diseases and Disorders of Puerperium; Rickets; Raynaud's Disease; Recklinghausen's Disease; Retinitis Pigmentosa; All Rheumatic Diseases; Schizophrenia; Scleroderma; all Kinds of Sclerosis; Senium; Sexual Diseases and Disorders; Shock; Simmond's Disease; Spasmophilia; Spermatogenisis; Diseases of the Spinal Cord; Spondylarthritis; Staphylococcal Infections; Steatorrhoea; Diseases of the Stomach; Streptococcal Infections; Tabes Tetany; Thromboangiitis Obliterans; Thrombosis; All Kinds of Tuberculosis; Tumors; Typhoid Fever; All Kinds of Ulcers; Ulcus Cruris; All Kinds of Urinary Diseases and Disorders; Urticaria; Haemorrhages of the Uterus; Vascular Spasms and Other Vascular Diseases; Vaginitis; Varices; Virilism; Vitiligo; Vulvovaginitis; Xerophthalmia; X-Ray Damages.
Claims use since Apr. 22, 1933.

Ser. No. 381,995. N. V. ORGANON, Oss, Holland. Filed Aug. 10, 1936.

ORGANON

For Preparations Having the Following Uses in the Treatment of Abortus; Habitual Abortion; Achylia Gastrica; Acrodynia; Acromegalia; Adipositas; Agranulocytosis; Alcoholism; Alopecia; All Kinds of Anaemia; Anaphylactia; Adnexitis; Angina Pectoris; Aphthae; Appetite; Arteritis; Arthritis; Asthenia; Asthma; Azoöspermia; Azotemia; Bang's Disease; Basophilic Adenoma; Beri-Beri; Irregularities of Blood-Pressure; Diseases of the Brains; Bullous Exanthema; Buerger's Disease; All Kinds of Cancer; Results of Castration; Cataract; Cholecystitis; Cholelithiasis; Chorea Minor; Chorionepithelioma; Intermittent Claudication; Climacteric; Collapse; Common Cold; Creatinism; Cryptorchidism; Cushing's Disease; Delirium Tremens; Dementia Praecox; Dermatosis and All Kinds of Skin Diseases and Disorders; All Kinds of Diabetes; Diphtheria; All Kinds of Dystrophia; Edema; Emaciation; Embolia; Endometritis; Epilepsy; Erysipelas; Eunuchoidism; Exophthalmus; Exudative Diathesis; Fatigue; Febris Undulans; Feminization; Foetus Mortuus; Frigidity; Frolich's Disease; Furunculosis; Gangrene; Goitre; Gigantism; Glaucoma; Granulocytopenia; Grave's Disease; Irregularities of Growth; Gynecological Disorders; Irregularities of Hair Growth; Hematoporphyria; Irregularities of Hemoglobine-Quantity in Blood and Urine; Hemophilia; Hemorrhagic Diathesis; All Kinds of Heart Diseases and Disorders; Heubner's Disease; Hirsutism; Hay Fever; Hyperemesis Gravidarum; Hyperinsulinism; Hypertension; Hyperthyroidism; Hypertrichosis; Hypoglycemia; Hypothyroidism; Hypophyseal Cachexia; Hypotension; Hypotonia; Icterus; Ileus; Impetigo Herpetiformis; Infantilism; Infections; Inflammations; Diseases and Disorders of the Intestines; Intoxication by All Types of Poisons; Ischemia; Diseases of the Joints; Keratomalacia; Diseases of the Kidneys; Kraurosis of the Vulva; Irregularities of Lactation; Diseases of the Liver; Lung Diseases; Diseases of the Lymphatic System; Diseases of the Mammae; Marasmus; Melancholia; Menopause; Disturbances and Irregularities of Rate of Various Kinds of Metabolism; Metrorrhagia; Menstruation Disorders and Diseases; Metritis; Migraine; Hydatiform Mole; Morphinism; Myxedema; Nanosomia; Nanism; Nephritis; Nervous Diseases and Disorders; Neuralgia; Obesity; Obstetrical Disorders; Oophoritis; Irregularities of Ossification; Osteophorosis; Otitis; Irregular Ovulation; Paget's Disease; Parametritis; Paratyphus; Parkinson's Disease; Pellagra; Pemphigus Vulgaris; Peritonitis; Phlebitis; Pituitary Headache; Diseases of the Placenta; All Kinds of Pneumonia; Polyglobulia; Porphyria; Disturbances in Pregnancy; Hypertorphy of the Prostate; Pruritis Vulvae; All Diseases and Disorders of Puberty; All Diseases and Disorders of Puerperium; Rickets; Raynaud's Disease; Recklinghausen's Disease; Retinitis Pigmentosa; All Rheumatic Diseases; Schizophrenia; Scleroderma; All Kinds of Sclerosis; Senium; Sexual Diseases and Disorders; Shock; Simmond's Disease; Spasmophilia; Spermatogenisis; Diseases of the Spinal Cord; Spondylarthritis; Staphylococcal Infections; Steatorrhoea; Diseases of the Stomach; Streptococcal Infections; Tabes; Tetany; Thromboangiitis Obliterans; Thrombosis; All Kinds of Tuberculosis; Tumors; Typhoid Fever; All Kinds of Ulcers; Ulcus Cruris; All Kinds of Urinary Diseases and Disorders; Urticaria; Haemorrhages of the Uterus; Vascular Spasms and Other Vascular Diseases; Vaginitis; Varices; Virilism; Vitiligo; Vulvovaginitis; Xerophthalmia; X-ray Damages.
Claims use since Jan. 1, 1924.

Ser. No. 383,198. A. O. LEONARD, INCORPORATED, New York, N. Y. Filed Sept. 12, 1936.

A O Leonard-Inc.

Trade-mark is a facsimile of the handwriting of A. O. Leonard.
For Medicine for the Treatment of Ear Ailments.
Claims use since 1907.

Ser. No. 384,005. THE MELLEN COMPANY INC., Los Angeles, Calif. Filed Oct. 5, 1936.

BOMA

For Preparation for the Treatment of Hemorrhoids, Rectal Disorders, and the Like.
Claims use since June 27, 1936.

Ser. No. 384,148. REUBEN H. ISRAELSON, doing business as Carroll Distributing Company, Baltimore, Md. Filed Oct. 8, 1936.

CUREX

For Medicated Cream Valuable in the Relief of Mild Skin Irritations, Chafing, Wind Burn, Sun Burn, Insect Bites, and Chapped Skin.
Claims use since May 15, 1935.

Ser. No. 384,776. THE OLD FASHIONED HERB COMPANY, Alhambra, Calif. Filed Oct. 26, 1936.

SUMMUM BONUM HERBS

Herbs for Health



The word "Herbs" and "Herbs for Health" are disclaimed apart from the mark.
For Vegetable Laxative Preparation Which Acts on the Stomach, Kidneys, and Bowels.
Claims use since Mar. 15, 1935.

Ser. No. 385,441. LAT RESEARCH PRODUCTS, Chicago, Ill. Filed Nov. 12, 1936.

Lat

For Food and Health Drink Which Includes Fruit Juice and Vegetable Juice and Beef Liver.
Claims use since Sept. 5, 1936.

Ser. No. 385,446. SARAH MONKARSH, doing business as Sun Myte Wash Products, Chicago, Ill. Filed Nov. 12, 1936.

SUN MYTE

For Bleach, Deodorant, and Disinfectant.
Claims use since April, 1932.

Ser. No. 385,598. HARRY D. NAUM, doing business as Medicated Kerchief Co., Brooklyn, N. Y. Filed Nov. 16, 1936.

COLDKERCHIEF

For Medicated Handkerchiefs and Other Cloths, Made of Fabric or Paper, for the Relief of Colds, Headaches, and the Like.
Claims use since Oct. 7, 1932.

Ser. No. 385,693. CHARLES M. KEMPER, New York, N. Y. Filed Nov. 18, 1936.

MOORSAN

For Injection Fluid Particularly Adapted for Treating Arthritis.
Claims use since Nov. 1, 1934.

Ser. No. 385,703. SOUTHERN DYESTUFF CORPORATION, Charlotte, N. C. Filed Nov. 18, 1936.

SODYECO

For Dyestuffs.
Claims use since Oct. 13, 1936.

Ser. No. 385,755. SPOREX LABORATORIES, INCORPORATED, Macomb, Ill. Filed Nov. 19, 1936.

SPOREX

For Preparation for the Treatment of Athlete's Foot.
Claims use since Sept. 15, 1936.

Ser. No. 386,185. JACQUES WOLF & Co., Clifton, N. J. Filed Dec. 1, 1936.

SYNEKTAN

For Chemical Preparation for Tanning Leathers.
Claims use since Apr. 6, 1936.

Ser. No. 386,232. HAWTHORN DRUG COMPANY, INCORPORATED, St. Louis, Mo. Filed Nov. 27, 1936.

Embrocon

For First Aid Antiseptic and Liniment for External Use.
Claims use since Sept. 1, 1936.

Ser. No. 386,423. THE FINIS CO., Seattle, Wash. Filed Dec. 7, 1936.

FINIS

For Medicinal Preparation for Use in the Treatment of Athlete's Foot, Ring Worm, and Other Skin Affections.
Claims use since Oct. 1, 1936.

Ser. No. 386,588. KEENE DRUG COMPANY, Indianapolis, Ind. Filed Dec. 10, 1936.

WINTREX

For Pharmaceutical Preparations for Use in the Treatment of Rheumatism, Headache, and Neuralgia, and Liniment for External Use for the Relief of Aches and Pains.
Claims use since June 1, 1935.

Ser. No. 386,840. AMERICAN CHLOROPHYLL, INC., Alexandria, Va. Filed Dec. 17, 1936.

A C

For Color Pigments and Material for Coloring Foods, Drinks, and Transparent and Translucent Substances for Absorbing Light of Selected Wave Lengths, Including Carotene, Chlorophyll, and Xanthophyll.
Claims use since Nov. 21, 1936.

Ser. No. 387,097. H. KIRK WHITE & Co., Oconomowoc, Wis. Filed Dec. 23, 1936.

TRI-SAL

For Alkaline Effervescent Salts for Preserving the Alkalinity of the System.
Claims use since Sept. 19, 1936.

Ser. No. 387,121. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Dec. 24, 1936.

POTENTOX

For Insecticides and Preparations for Control of Plant Pests.
Claims use since Oct. 7, 1936.

Ser. No. 387,312. CHICAGO PHARMACAL CO., Chicago, Ill. Filed Dec. 31, 1936.

Methylatol

For Counter-Irritant and Local Application for the Treatment of Sprains, Rheumatism, Neuralgia, Sore Muscles from Over-Exertion, and Tender Feet.
Claims use since Aug. 6, 1936.

Ser. No. 387,350. REEFER-GALLER INC., New York, N. Y. Filed Dec. 31, 1936.

FOUR STRONG

For Insecticides, Insect Exterminators, Repellents, Deterrents, and Preventives.
Claims use since Feb. 15, 1935.

Ser. No. 387,361. ALROSE CHEMICAL COMPANY, Providence, R. I. Filed Jan. 2, 1937.

JETAL

For Salts for the Treatment of Ferrous Metal Surfaces in Connection With Oxydizing With or Without Electrical Current.
Claims use since Jan. 8, 1935.

Ser. No. 387,362. ALROSE CHEMICAL COMPANY, Providence, R. I. Filed Jan. 2, 1937.

Alrose WITE BRASS

The words "Wite Brass" are disclaimed apart from the mark.
For Salts for Use in Connection With Plating Metals.
Claims use since Nov. 17, 1936.

Ser. No. 387,380. KEENE DRUG COMPANY, Indianapolis, Ind. Filed Jan. 2, 1937.

BILZIN

For Pharmaceutical Preparations for Use in the Treatment of Rectal Disorders.
Claims use since April, 1934.

Ser. No. 387,422. ERNEST L. SMITH, San Francisco, Calif. Filed Jan. 2, 1937.

CELOVISION

For Permanent Waving Supplies—Namely, Lotions and Hair Waving Solutions.
Claims use since January, 1936.

Ser. No. 387,561. SAMUEL ROBINSON, doing business as The Pirel Co., Columbus, Ohio. Filed Jan. 7, 1937.

PIREL

The prescription symbol is disclaimed apart from the mark as shown.
For Medicinal Preparation in the Form of an Ointment and Adapted for Use in the Treatment of Piles, Hemorrhoids, and Rectal Disorders.
Claims use since Jan. 2, 1937.

Ser. No. 387,652. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Jan. 11, 1937.

ESSENCE OF LIFE

For Lipstick, Rouge, Face Powder, Eyelash and Eyebrow Mascara, Creams for the Hands and Face, Preparations for Skin, Hair, and Finger Nails, and Perfumes.
Claims use since Apr. 15, 1933.

Ser. No. 387,689. WELTER & WELTER, Sand Springs, Iowa. Filed Jan. 11, 1937.

JUETT

For Medicine Recommended for Hogs and Especially for the Treatment of Necrotic Enteritis.
Claims use since Sept. 31, 1936.

Ser. No. 387,751. DOMENIC M. MARTOCCI, Hartford, Conn. Filed Jan. 13, 1937.



For Salve or Ointment Used in the Treatment of Eczema, Piles, Old Sores, Burns, Scalds, Sunburn, and the Like.
Claims use since Dec. 19, 1936.

Ser. No. 387,762. H. KIRK WHITE & Co., Oconomowoc, Wis. Filed Jan. 13, 1937.

FIZZ-O

For Effervescent Salts Used as a Saline Laxative.
Claims use since June 5, 1935.

Ser. No. 387,797. THE PHARMA-CRAFT CORPORATION, Louisville, Ky. Filed Jan. 14, 1937.

tinq

For Fungicide and Germicide for the Treatment of Athlete's Foot, Ring Worm, and Dermatophytosis.
Claims use since Jan. 6, 1937.

Ser. No. 387,806. VEGOLA SPECIALTY COMPANY, INC., Buffalo, N. Y. Filed Jan. 14, 1937.

ZAK

For Medicine for Gonorrhea and Gleet, Cough Syrup, Throat Tonic, Laxative Herbs and Pills, Lotion for Antiseptic, Astringent, and Prophylactic Purposes, Urinary Antiseptic Tablets, and Liniment for Body Pains, Muscle Strains, Sore Throat, Bronchial Affections, Etc.
The trade-mark has been continuously used and applied to the medicine for gonorrhea and gleet in applicant's business and that of its predecessors since about Oct. 11, 1911, and to the remaining goods above-listed since about Nov. 1, 1936.

Ser. No. 388,043. THE ARLINGTON CHEMICAL COMPANY, Yonkers, N. Y. Filed Jan. 22, 1937.

SURDOL

For Refined Mineral Oil Jelly for Use as a Laxative.
Claims use since Dec. 31, 1936.

Ser. No. 388,378. UNITED DRUG COMPANY, Boston, Mass. Filed Jan. 30, 1937.

Rex-seltzer

The word "Seltzer" is disclaimed.
For Effervescent Analgesic Alkalizer Tablet.
Claims use since Dec. 4, 1936.

Ser. No. 388,505. LOUIS P. MARTIN, Saugus, Mass. Filed Feb. 3, 1937.

MAR-SAUG

For Liniment for Neuralgia, Arthritis, Rheumatism, and Pleurisy.
Claims use since Jan. 1, 1937.

Ser. No. 388,527. BONNE BELL, INC., Cleveland (Lakewood), Ohio. Filed Feb. 4, 1937.

Bonne Bell
RX 1006

Applicant disclaims the letters RX apart from the mark.
For Skin Lotions and Scalp Lotions.
Claims use since June 15, 1936.

Ser. No. 388,588. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Feb. 5, 1937.

SANTOVAR

For Chemical Adjuvants for Animal and Vegetable Oils, Particularly for Improving the Stabilization Characteristics of Paints, Varnishes, Lacquers, Linoleums, Oiled Cloth, Food, and Foodstuffs.
Claims use since Jan. 6, 1937.

Ser. No. 388,696. WALDNER-HELLER DRUG COMPANY, Berwick, Pa. Filed Feb. 9, 1937.

SHU-THE-FLU
STF
COLD TABLETS

No claim is made to the words "The-Flu" or "Cold Tablets" apart from the mark.
For Medicinal Preparation for Use in the Treatment of Colds, La Grippe, Influenza, and Neuralgia.
Claims use since Mar. 14, 1935.

Ser. No. 388,890. AQUA-SEC CORPORATION, New York, N. Y. Filed Feb. 15, 1937.

SMITE

For Mothproofing Compound, Insecticide, Fly Spray, Vermicide, Vermin-Proofing Compound, to be Applied as a Spray.
Claims use since September, 1936.

CLASS 10

Fertilizers

Ser. No. 387,520. SOUTHERN STATES COOPERATIVE, INCORPORATED, Richmond, Va. Filed Jan. 6, 1937.

SOUTHERN STATES
COOPERATIVE
Quality

The word "Quality" is disclaimed apart from the mark.
For Fertilizers.
Claims use since Aug. 22, 1933.

CLASS 12

Construction Materials

Ser. No. 382,395. SCHECTER BROTHERS COMPANY, Philadelphia, Pa. Filed Aug. 20, 1936.

PYRAMID

For Roof Coating Consisting Principally of Asphalt and Asbestos Fibre, Roof Cement, and Roofing Papers.
Claims use since Mar. 31, 1932.

Ser. No. 388,002. ALBERT HENDERSON, Pittsburgh, Pa. Filed Jan. 21, 1937.

HANDI-ANGLE

The word "Angle" is disclaimed apart from the mark.
For Metal Structural Members.
Claims use since Jan. 20, 1937.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 375,736. TECHNICAL PORCELAIN AND TILE COMPANY, El Cerrito, Calif. Filed Mar. 7, 1936.

Balbo Briano

No claim is made for the representation of the label or for the wording other than "Balbo".
For Vitreous Porcelain Bathroom and Kitchen Wall Fixtures.
Claims use since Jan. 15, 1936.

Ser. No. 387,462. ARTHUR L. ELLIS & CO., INC., Boston, Mass. Filed Jan. 5, 1937.

Grip-a-Tip

For Shower Curtain with a Vacuum Cup Attachment for the Purpose of Holding the Curtain in Place.
Claims use since Dec. 31, 1936.

Ser. No. 388,114. AUTO CITY PLATING CO., INC., Detroit, Mich. Filed Jan. 25, 1937.

Absopure

For Cast Iron Cooking Hollow Ware.
Claims use since Dec. 28, 1936.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 389,167. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Filed Feb. 20, 1937.

MIDAS

For Non-Ferrous Sheet Metal.
Claims use since Oct. 9, 1936.

CLASS 15

Oils and Greases

Ser. No. 388,420. THE STANDARD OIL COMPANY, Cleveland, Ohio. Filed Feb. 1, 1937.

SOHIPOID

For Lubricating Oils and Greases.
Claims use since Dec. 16, 1936.

Ser. No. 388,468. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 2, 1937.

PETROSENE

For Wax Derived from Petroleum.
Claims use since May 5, 1932.

Ser. No. 388,863. THE CONEWANGO REFINING COMPANY, Warren, Pa. Filed Feb. 13, 1937.

CERCON

For Mineral Wax.
Claims use since Jan. 20, 1937.

Ser. No. 389,027. ARTHUR N. HENRIKSEN, doing business as The Russian Oil Company, Chicago, Ill. Filed Feb. 17, 1937.

PEN-GUIN



For Lubricating Oils and Greases.
Claims use since Jan. 28, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 388,160. VESTAL CHEMICAL COMPANY, St. Louis, Mo. Filed Jan. 25, 1937.

Pyra-Seal

The word "Seal" is disclaimed apart from the mark.
For Floor Sealing, Finishing, and Preserving Preparation in the Nature of a Varnish.
Claims use since May 20, 1930.

CLASS 17

Tobacco Products

Ser. No. 385,732. HAROLD L. HUDSON, Westfield, Mass. Filed Nov. 19, 1936.

Front Page

For Cigars.
Claims use since Oct. 1, 1935.

Ser. No. 386,470. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 8, 1936.

POMPON

For Cigarettes.
Claims use since Nov. 23, 1936.

Ser. No. 386,515. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 9, 1936.

AB-ELN

For Cigarettes.
Claims use since Nov. 16, 1936.

Ser. No. 388,825. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Feb. 12, 1937.

BIG TIME

For Cigarettes.
Claims use since Jan. 21, 1937.

Ser. No. 388,861. WEST VIRGINIA TOBACCO CORP., Beckley, W. Va. Filed Feb. 12, 1937.

BLUE CROWN

For Cigarettes.
Claims use since Nov. 6, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 369,539. LETERSTONE SALES COMPANY, Chicago, Ill. Filed Sept. 20, 1935.

Powerflo

For Generator Output Controls, the Generator Output Controls Being Devices for Advancing, Retarding, or Regulating the Production of Electric Current by a Generator.
Claims use since Oct. 1, 1933.

Ser. No. 375,292. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Feb. 27, 1936.





Trade-mark consists of longitudinal ridges and grooves formed on the two opposite flat sides of an oval cable. The representation of a section of cable is disclaimed.
For Electric Cable.
Claims use since Dec. 29, 1934.

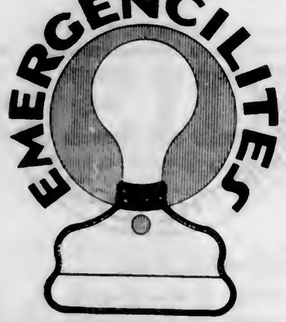
Ser. No. 380,809. TRIANGLE ELECTRIC CO., Chicago, Ill. Filed July 8, 1936.

ROADMASTER

For Radio Receiving Sets, More Particularly for Use in Automotive Vehicles.
Claims use since Jan. 1, 1936.

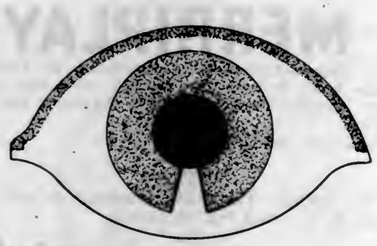
Ser. No. 385,396. GENERAL EMERGENCY LIGHTING CORPORATION, Philadelphia, Pa. Filed Nov. 11, 1936.

EMERGENCILITES



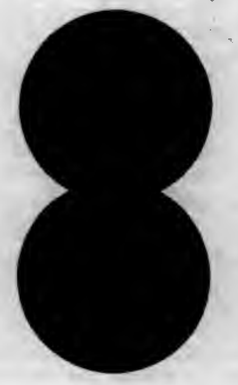
No claim is made to the electric light bulb or the word "Emergencilites" apart from the mark shown.
For Machine for Producing a Substitute Supply of Electric Current Upon the Interruption of the Usual or Regular Source of Electric Current Supply.
Claims use since Oct. 21, 1936.

Ser. No. 386,777. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed Dec. 15, 1936.



For Radio Receiving Sets of the Type Equipped with Cathode Ray Tubes for Resonance Indication, and Accessories and Parts Thereof Consisting of Electron Tubes of the Cathode Ray Type, and Resonance Indicators of the Cathode Ray Tube Type.
Claims use since Aug. 7, 1936.

Ser. No. 388,720. MARS SIGNAL LIGHT COMPANY, Chicago, Ill. Filed Feb. 10, 1937.



For Electric Headlight and Signal Lamps.
Claims use since Jan. 19, 1936.

Ser. No. 388,796. PRICE BATTERY CORPORATION, Philadelphia, Pa. Filed Feb. 11, 1937.

COLEDOX

For Storage Batteries.
Claims use since Dec. 10, 1936.

Ser. No. 388,810. UNITED STATES ELECTRIC MFG. CORPORATION, New York, N. Y. Filed Feb. 11, 1937.

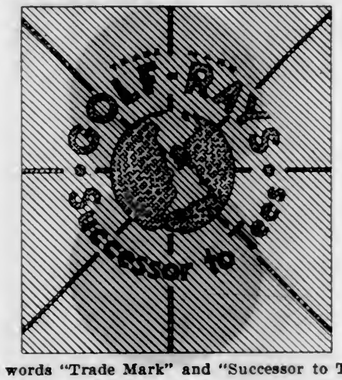
ZEP-O-LITE

For Flash Lights.
Claims use since Jan. 29, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 381,889. RAY BELMONT WHITMAN, New York, N. Y. Filed Aug. 6, 1936.



The words "Trade Mark" and "Successor to Tees" are disclaimed apart from the mark.
For Golf Ball Supports or Tees.
Claims use since June 15, 1936.

Ser. No. 386,140. ABERCROMBIE & FITCH COMPANY, New York, N. Y. Filed Dec. 1, 1936.



For Golf Bags, Fishing-Rod Cases, Tennis Racket Cases, Baseball-Bat Bags, Skate-Sails, Ax-Sheaths, Knife-Sheaths, Fishing Rods, Reels, Spinners, Fish Lures, Spoons, Leader-Boxes, Fly Books, Fly-Boxes, Tackle-Boxes, Fish Baskets, Fishing Lines, Fishing Harness, Shell Boxes, Shell and Game Bags, Fishing Tackle Boxes, Bait Boxes, and Pails, Golf-Clubs, Tennis-Rackets, Tennis Nets, Squash-Rackets, Tennis Balls, Baseballs, Baseball Bats, Baseball Gloves, Masks, Body-Protectors, Sliding Pads, Bat Bags, Rugby-Balls, Footballs, Athletic Body Protectors, Basket-Balls, Basket Ball Baskets, Ping Pong Balls, Polo Mallets and Balls, Snow-Shoes, Toboggans, Skis, Ski Poles, Ski-Bindings, Boxing-Gloves, Striking Bags, Badminton Bats, Ping Pong Bats, Badminton Shuttlecocks, Fencing Foils, Fencing Masks, Toy Paddles with Attached Elastic Cord and Ball, Croquet, Lawn Bowls, Bows, Arrows and Quivers, Poker Chips, Playing Cards, Backgammon, Chess, Checkers, Parchesi, Horse Racing Games Played with Miniature Horses, Chuck-A-Luck Games, Roulette Games, Bagatelle Games, Dolls, Marionettes, Children's Playground Equipment—Namely, Bars, Slides, Swings, and Flying Rings; Beach Toys—Namely, Beach Balls, Surf Boards, Aquaplanes, and Pneumatic Floats; Stuffed Animal Toys, Toy Bicycles, Toy Velocipedes, Toy Automobiles, Toy Railroads, Scooters, Model Boats, Roller and Ice Skates, and Magic Sets.
Claims use since January, 1900.

Ser. No. 387,701. FICKS REED CO., Cincinnati, Ohio. Filed Jan. 12, 1937.

HOBO HAMMOCK

The word "Hammock" is disclaimed apart from the mark as shown.
For Hammocks.
Claims use since Dec. 28, 1936.

Ser. No. 388,602. LESTER H. WHITE, Fairfield, Conn. Filed Feb. 5, 1937.

SPOTLIGHT

For Game Apparatus Comprising a Captive Golf Ball and the Representation of a Golf Course Together with Means Whereby When the Ball is Struck with a Club its Probable Movement on the Course Represented is Shown on said Representation.
Claims use since Dec. 6, 1936.

Ser. No. 388,641. E. J. HERTE, Milwaukee, Wis. Filed Feb. 8, 1937.



For Dolls.
Claims use since Feb. 2, 1937.

Ser. No. 388,772. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Feb. 11, 1937.

SKIDNO

For Hook Holders and Rod Caps for Cane Poles and Casting Rods.
Claims use since Feb. 1, 1937.

Ser. No. 388,866. THE GOSHEN MANUFACTURING COMPANY, Goshen, Ind. Filed Feb. 13, 1937.

MERRIPLAY

For Play and Amusement Apparatus, the Particular Things Being Swings, Teeterboards, Sandboxes, Slides, Stilts, Jumping Standards, and Toy Ladders and Gymnasiums.
Claims use since Feb. 1, 1936.

Ser. No. 388,917. CORTLAND LINE COMPANY, INC., Cortland, N. Y. Filed Feb. 15, 1937.

FLY BABY

For Fish Lines.
Claims use since September, 1936.

Ser. No. 389,087. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Filed Feb. 18, 1937.

Alchester

For Playing Cards.
Claims use since Nov. 25, 1933.

Ser. No. 389,089. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Filed Feb. 18, 1937.

CHEVRON

For Playing Cards.
Claims use since July 8, 1933.

Ser. No. 389,129. IDEAL NOVELTY & TOY COMPANY, Long Island City, N. Y. Filed Feb. 19, 1937.

HEIDI

For Dolls, Costumes for Dolls, Parts of Costumes for Dolls, and Dolls' Wigs.
Claims use since Feb. 13, 1937.

Ser. No. 389,263. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Feb. 23, 1937.

MOVIE STICKS

For Game Consisting of a Container and Jackstraw Sticks.
Claims use since Feb. 10, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 359,882. WISCONSIN MACHINERY & MANUFACTURING CO., West Allis, Wis. Filed Jan. 3, 1935.



The word "Sleeve" and the representation of the goods are disclaimed apart from the mark.
For Engine Cylinder Sleeves.
Claims use since Dec. 14, 1934.

Ser. No. 374,659. THE GALION METALLIC VAULT COMPANY, doing business as Hercules Steel Products Company, Galion, Ohio. Filed Feb. 10, 1936.

HERCULES

For Split Drive Power Take Off for Operating Portable Equipment on Motor Vehicles.
Claims use since Jan. 15, 1927.

Ser. No. 377,229. E. PAILLARD & CIE, SOCIÉTÉ ANONYME, Yverdon, Switzerland. Filed Apr. 15, 1936.

HERMÈS

For Typewriting Machines and Parts of the Same.
Claims use since Sept. 21, 1921.

Ser. No. 382,136. THE OHIO CRANKSHAFT COMPANY, Cleveland, Ohio. Filed Aug. 13, 1936.

TOCCO

For Crankshafts for Engines.
Claims use since August, 1934.

Ser. No. 387,096. GEORGE H. WERFELMAN, doing business as The Geo. H. Werfelman Co., Los Angeles, Calif. Filed Dec. 23, 1936.

Werfco

For Mechanical Sewer Sweep.
Claims use since Dec. 18, 1936.

Ser. No. 387,717. VAN NORMAN MACHINE TOOL COMPANY, Springfield, Mass. Filed Jan. 12, 1937. Under section 5b of the act of 1905, as amended in 1920.

VAN NORMAN

For Internal and External Cylindrical Grinding Machines, Radius Grinding Machines (Oscillating Grinders), Piston Turning and Grinding Machines, Piston Truing Machines, Valve Seat Cutters, Valve Refacing Grinders, Valve Seat Grinders, Portable Surface Polishing Machines, Boring Machine Cutting Tools, Reaming Machines, Cylinder Boring Machines and Attachments, Bolt Extractors, Drilling Attachments for Milling Machines, and Valve Seat Boring Machines.
Claims use since 1914 on radius grinding machines (oscillating grinders); since 1921 on piston turning and grinding machines; since 1922 on piston truing machines; since 1923 on valve seat cutters and valve refacing grinders; since 1925 on valve seat grinders; since 1928 on

portable surface polishing machines; since 1929 on boring machine cutting tools, reaming machines, and cylinder boring machines and attachments; since 1932 on bolt extractors and drilling attachments for milling machines; and since 1934 on valve seat boring machines.

Applicant claims ownership of U. S. trade-mark registration ct. #342,114 effected January 5, 1937 under the 10-year proviso clause of Sec. 5b, of the act of Feb. 20, 1905.

Ser. No. 387,826. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Jan. 15, 1937.



The portrait and signature are those of King C. Gillette, deceased. The representation of the wrapper is disclaimed.

For Safety Razor Blades.
Claims use since 1908.

Ser. No. 388,133. JOHN FOWLER & Co. (LEEDS) LTD., Leeds, England. Filed Jan. 25, 1937.



For Internal Combustion Engines and Parts Thereof, but not Including Magnetos or Other Ignition Devices for Internal Combustion Engines.
Claims use since May 5, 1936.

Ser. No. 388,147. THE SPENCER TURBINE COMPANY, Hartford, Conn. Filed Jan. 25, 1937.

DRILL-VAC

The word "Drill" is disclaimed apart from the mark.
For Rock Drilling Apparatus.
Claims use since May 17, 1934.

CLASS 24

Laundry Appliances and Machines

Ser. No. 389,174. ELECTRIC HOUSEHOLD UTILITIES CORPORATION, Chicago, Ill. Filed Feb. 20, 1937.

Stow-a-way

For Ironing Machines.
Claims use since Dec. 18, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 371,296. BUILDERS IRON FOUNDRY, Providence, R. I. Filed Nov. 7, 1935.

CHRONOTROL

For Apparatus for Automatically Controlling an Operation in Response to Telemetric Impulses Corresponding to Changes in One or More Variable Conditions.
Claims use since June 3, 1935.

Ser. No. 387,850. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Jan. 16, 1937.



The words "True Vision" are disclaimed apart from the mark.
For Opthalmic Lenses and Blanks for Opthalmic Lenses.
Claims use since May 15, 1936.

Ser. No. 388,039. GERRIT C. ZWART, doing business as Visual Sciences, Suffern, N. Y. Filed Jan. 21, 1937.



For Peep Devices for Producing an Inverted Retinal Image.
Claims use since Jan. 6, 1937.

CLASS 27

Horological Instruments

Ser. No. 389,067. HARRY A. JEFFREY, New York, N. Y. Filed Feb. 18, 1937.



For Watches, Watch Cases, Watch Parts, Watch Movements, Watch Bracelets Sold as a Unit with the Watch.
Claims use since Feb. 1, 1936.

Ser. No. 389,357. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Feb. 25, 1937.

GUILDITE

For Watch Cases, Watches, and Watch Movements.
Claims use since Apr. 29, 1933.

CLASS 31

Filters and Refrigerators

Ser. No. 386,879. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Dec. 17, 1936.



For Refrigerators for the Preservation of Foodstuffs.
Claims use since Sept. 17, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 384,371. GEORGE B. COLLIS, doing business as Armor Bronze Company, Taunton, Mass. Filed Oct. 15, 1936.



The word "Bronze" is disclaimed apart from the mark as shown.
For Book Ends.
Claims use since Oct. 8, 1936.

Ser. No. 386,576. EDWARD ARONS, Cleveland, Ohio. Filed Dec. 10, 1936.



The word "Springs" is disclaimed apart from the mark as shown.

For Wire Springs and Spring Constructions for Seats, Davenports, Chairs, Railway Passenger Car Chairs, and Automobile, Truck, and Bus Chairs and Seats.
Claims use since Nov. 30, 1936.

Ser. No. 387,414. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y. Filed Jan. 2, 1937.

SERGEANT

For File Cabinets, Drawers, and Parts Thereof.
Claims use since Nov. 25, 1936.

Ser. No. 387,896. FINE ARTS ASSOCIATION, Chicago, Ill. Filed Jan. 18, 1937.

Heritage

For Frames for Framing Portraits, Paintings, and Pictures, Mountings and Cases, Miniature Frames and Cases.
Claims use since Dec. 10, 1936.

Ser. No. 388,694. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y. Filed Feb. 9, 1937.

FIRE MASTER

For File Cabinets, Drawers, and Parts Thereof.
Claims use since Dec. 23, 1936.

Ser. No. 388,695. THE VICTOR SAFE & EQUIPMENT COMPANY, INC., North Tonawanda, N. Y. Filed Feb. 9, 1937.

FIRE MASTER JR.

For File Cabinets, Drawers, and Parts Thereof.
Claims use since Dec. 17, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 380,338. J. J. BLEITZ, Seattle, Wash. Filed June 27, 1936.

BLEITZ EVAPORATOR

For Cremation Furnaces for Cremating Human Bodies.
Claims use since Mar. 1, 1935.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 387,775. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Jan. 14, 1937.

ATLAS TIRE
Grip-Safe
SILENT TREAD
FIRST LINE-FIRST QUALITY
NATION-WIDE GUARANTY
MADE IN U.S.A.
4-Ply
5.50-17

No claim is made to the words "Tire," "Grip-Safe," "Silent Tread," "First Line—First Quality," "Nation-Wide Guaranty" apart from the mark shown and no claim is made to the words "Made in U. S. A. 4-Ply—5.50—17."
For Rubber Tires.
Claims use since Mar. 19, 1929.

Ser. No. 387,972. THE BALDWIN BELTING AND LEATHER COMPANY, INC., New York, N. Y. Filed Jan. 21, 1937.

Baldwin FRICTIONIZED Belting

The word "Belting" is disclaimed apart from the mark.
For Leather Belting.
Claims use since June 1, 1936.

CLASS 36

Musical Instruments and Supplies

Ser. No. 384,377. THE FRED. GRETSCH MANUFACTURING CO., Brooklyn, N. Y. Filed Oct. 15, 1936.

GRETSCH BROADKASTER

For Drums, Banjos, and Guitars.
Claims use since Mar. 24, 1928.

Ser. No. 388,556. WESTERN STATES WHOLESALE MUSIC CORP., Seattle, Wash. Filed Feb. 4, 1937.

"MIRATONE"

For Brass, Reed, and Stringed Musical Instruments—Namely, Cornets, Trumpets, Trombones, Saxophones, Bass Horns, Violins, Clarinets, and Guitars.
Claims use since Dec. 19, 1936.

CLASS 37

Paper and Stationery

Ser. No. 385,567. DETROIT SULPHITE PULP & PAPER CO., Detroit, Mich. Filed Nov. 16, 1936.

Wonder Wrap

The word "Wrap" is disclaimed apart from the mark shown.
For Wrapping Paper.
Claims use since Aug. 5, 1936.

Ser. No. 387,820. A. W. FABER, INC., Newark, N. J. Filed Jan. 15, 1937.

A.W. FABER Radiant

For Lead Pencils, Crayon Pencils, Ink Pencils, Rubber Erasers, Rubber Bands, and Lead for Mechanical Pencils.
Claims use since July 15, 1935.

Ser. No. 388,119. THE CERTI-PAY SYSTEMS, St. Louis, Mo. Filed Jan. 25, 1937.

CERTI-PAY

For Bank Checks, Bank Depositors' Identification Certificates, and Bank Service Forms All Sold to Banks as Blank Forms.
Claims use since Jan. 18, 1937.

Ser. No. 388,507. THE MUTUAL BENEFIT LIFE INSURANCE COMPANY, Newark, N. J. Filed Feb. 3, 1937.

ANALAGRAPH

For Charts and Questionnaires for Laying Out Graphs Representing Insurance Protection.
Claims use since Jan. 13, 1937.

CLASS 38

Prints and Publications

Ser. No. 384,106. R. D. S. PHOTO PRINT SERVICE, INC., New York, N. Y. Filed Oct. 1, 1936.

RDS PERMASTAT PRINT

The word "Print" is disclaimed as part of the mark.
For Photo Prints.
Claims use since Feb. 1, 1934.

Ser. No. 386,712. THE ALPERT PRESS, Brooklyn, N. Y. Filed Dec. 14, 1936.

Law ITEMS OF INTEREST

For Monthly Publication Containing Legal Decisions or Digests Thereof, Assignment of Justices, Calendar for Appeals, and Other Subject Matter of General Interest to Lawyers.
Claims use since June 29, 1936.

Ser. No. 386,717. AMERICAN HEALTH PUBLISHERS, INC., New York, N. Y. Filed Dec. 14, 1936.

"There's a cure for every ill"



HOME HEALTH LIBRARY

For Section of a Monthly Periodical.
Claims use since November, 1935.

Ser. No. 387,544. THE CROWELL PUBLISHING COMPANY, New York, N. Y. Filed Jan. 7, 1937.

Agri

For Magazine Feature.
Claims use since Dec. 25, 1936.

Ser. No. 387,949. THE NORTH AMERICAN VETERINARIAN, INC., Evanston, Ill. Filed Jan. 19, 1937.

DOGS

For Quarterly Periodical.
Claims use since August, 1931.

Ser. No. 388,242. QUIGLEY PUBLISHING COMPANY, INC., New York, N. Y. Filed Jan. 27, 1937.

FAME

For Book or Magazine Published Annually Giving a Complete Review and Check-Up of the Motion Picture Industry.
Claims use since Jan. 1, 1937.

Ser. No. 388,288. JAMES M. THACKER, New York, N. Y. Filed Jan. 28, 1937.

MAILSTIK

For Mailing Lists in Booklet Form Containing Detachable Gummed Labels with Predetermined Names and Addresses Printed Thereon.
Claims use since Jan. 4, 1937.

Ser. No. 388,409. PICTORIAL PAPER PACKAGE CORPORATION, Aurora, Ill. Filed Feb. 1, 1937.

TinyBonds

For Trading Stamps.
Claims use since May 1, 1936.

Ser. No. 388,439. ALFRED D. FERGUSON, doing business as James A. Douglas and Al Jad, New York, N. Y. Filed Feb. 2, 1937.

WORLD ASTROLOGY MAGAZINE

For Periodical.
Claims use since Oct. 15, 1936.

Ser. No. 388,508. NEA SERVICE, INC., Cleveland, Ohio. Filed Feb. 3, 1937.

Myra North



Comprises the portrait of Myra North, a fanciful fictitious character.
For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since July 12, 1936.

Ser. No. 388,536. SAM LEVY, Douglas, Ariz. Filed Feb. 4, 1937.

Alsam Fortune Hour

For Magazines Dealing with Sales Promotion Topics Issued from Time to Time.
Claims use since Jan. 14, 1937.

Ser. No. 388,562. BRUNS PUBLICATIONS, INC., New York, N. Y. Filed Feb. 5, 1937.

WORLD ASTROLOGY MAGAZINE

The word "Magazines" is disclaimed apart from the mark.
For Magazines Published Monthly.
Claims use since Feb. 2, 1937.

Ser. No. 388,590. NEA SERVICE, INC., Cleveland, Ohio. Filed Feb. 5, 1937.

THIS CURIOUS WORLD

For Informative Topics of Interest and Illustrations Thereof Appearing in Newspapers and/or Periodicals.
Claims use since May 11, 1931.

Ser. No. 388,859. THOMAS PUBLISHING COMPANY, New York, N. Y. Filed Feb. 12, 1937.

BUILDING PRODUCT NEWS

For Periodical.
Claims use since Feb. 10, 1937.

Ser. No. 388,894. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

SWEENEY & SON

For Series of Cartoons.
Claims use since Oct. 1, 1933.

Ser. No. 388,895. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

STREAKY

For Series of Cartoons.
Claims use since Oct. 1, 1933.

Ser. No. 388,897. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

The Correct Thing

For Newspaper Column.
Claims use since Oct. 1, 1933.

Ser. No. 388,898. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

TERRY and the Pirates

For Series of Cartoons.
Claims use since Oct. 1, 1933.

Ser. No. 388,899. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

SPOOKY

For Series of Cartoons.
Claims use since May 12, 1935.

Ser. No. 388,902. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

Maw Green

For Series of Cartoons.
Claims use since Jan. 11, 1933.

Ser. No. 388,904. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

JOSIE

For Series of Cartoons.
Claims use since Aug. 11, 1935.

Ser. No. 388,905. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

CORKY

For Series of Cartoons.
Claims use since Aug. 18, 1935.

Ser. No. 388,906. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

SMILIN' JACK

For Series of Cartoons.
Claims use since Oct. 1, 1933.

Ser. No. 388,907. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

DOPEY DILDOCK

For Series of Cartoons.
Claims use since Mar. 31, 1935.

Ser. No. 388,908. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

DILL AND DAFFY

For Series of Cartoons.
Claims use since Mar. 24, 1935.

Ser. No. 388,909. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

SMOKEY STOVER

For Series of Cartoons.
Claims use since Mar. 10, 1935.

Ser. No. 388,910. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937.

HERBY

For Series of Cartoons.
Claims use since Oct. 1, 1933.

CLASS 39

Clothing

Ser. No. 373,994. BONWIT TELLER, INC., New York, N. Y. Filed Jan. 23, 1936.

"PLATOE"

For Shoes Made of Leather and Fabric or Combinations Thereof.
Claims use since Jan. 22, 1936.

Ser. No. 374,320. CHESTER BARRIE, INC., New York, N. Y. Filed Jan. 31, 1936.

PASHMEEN

For Men's Suits.
Claims use since Jan. 14, 1936.

Ser. No. 382,773. SCHLOSS BROS. & CO., INC., Baltimore, Md. Filed Aug. 31, 1936. Under 10-year proviso.

Schloss Bros. & Co.

For Men's, Young Men's, Boys', and Children's Wearing Apparel—Namely, Suits, Coats, Vests, Trousers, Knickers, Full Dress Suits, Tuxedos, Coats, Vests and Trousers Classed as Sports Wear, Slacks, Raincoats, Overcoats, Top Coats, Wind Breakers, Leather Jackets, Sweaters; Men's and Boys' Dress, Negligee and Work Shirts; Boys' Wash Suits and Blouses; Underwear; Hats and Caps; Hosiery; Neckties, Scarfs and Mufflers; Gloves Made of Leather, Rubber, and Fabric and Combinations Thereof; Bath Robes and Lounging Robes.
Claims use since 1880.

Ser. No. 382,828. GORDON CLOTHING CO., Chicago, Ill. Filed Sept. 2, 1936.

Dudley Wood

For Men's and Boys' Suits, Coats, Trousers, and Overcoats.
Claims use since July 6, 1936.

Ser. No. 385,984. KRAMER BROS., New York, N. Y. Filed Nov. 25, 1936.

Blue Fawn

The word "Blue" apart from the word "Fawn" and the word "Fawn" apart from the word "Blue" are disclaimed.
For Hosiery.
Claims use since Aug. 1, 1931.

Ser. No. 387,467. HAUSMAN, NEWMAN & MILLER, INC., New York, N. Y. Filed Jan. 5, 1937.

KINGCRAFT

For Men's Clothing—Such as Men's and Boys' Suits and Coats.
Claims use since Aug. 1, 1935.

Ser. No. 387,884. THE LAMPL SPORTSWEAR MANUFACTURING COMPANY, Cleveland, Ohio. Filed Jan. 16, 1937.

SEMESTER KNITS BY Lampl

The word "Knits" is disclaimed apart from the mark.
For One, Two, and Three Piece Dresses for Women and Girls, and Sweaters for Men, Women, and Children, Made of Silk, Wool, Cotton, Rayon, and of a Mixture of Any and All Such Materials, of Woven and Knitted Fabrics.
Claims use since June 1, 1936.

Ser. No. 387,908. LIDO SPORTSWEAR, INC., New York, N. Y. Filed Jan. 18, 1937.

日光日光 HONG KONG CLOTH

BRIGHT AS THE RISING SUN

The Chinese characters mean "Chinese Beauty". The words "Hong Kong Cloth" and the Chinese characters are disclaimed apart from the mark.
For Women's and Misses' Dresses and Blouses.
Claims use since Feb. 4, 1935.

Ser. No. 387,912. WILLIAM M. MARROW, doing business as Marrow Modes Co., New York, N. Y. Filed Jan. 18, 1937.

ORIGINAL Valerie FASHIONS

The words "Original Fashions" are disclaimed apart from the mark.
For Women's and Misses' Dresses.
Claims use since October, 1935.

Ser. No. 388,127. ELDER MANUFACTURING COMPANY, St. Louis, Mo. Filed Jan. 25, 1937.

TUFFEROY

For Wearing Apparel for Young Men and Boys—Namely, Jackets, Jumperalls, Knickers, Shorts, Slacks, Coats, and Outer Shirts.
Claims use since Dec. 1, 1936.

Ser. No. 388,167. WEIL CLOTHING COMPANY, St. Louis, Mo. Filed Jan. 25, 1937.

In the MODERN MANOR

For Men's, Young Men's, and Boys' Wearing Apparel—Namely, Suits, Coats, Pants, Vests, Trousers, Topcoats, Overcoats, Hats, Caps, Dress and Negligee Shirts, Underdrawers, Undershirts, Union Suits, Neckties, Scarfs, Mufflers, Pajamas, Sweaters, and Lumber Jackets.
Claims use since Jan. 1, 1937.

Ser. No. 388,218. ATLAS AGO CHEMISCHE FABRIK AKTIENGESELLSCHAFT, Molkau, near Leipzig, Germany. Filed Jan. 27, 1937.

Ago

For Nitrocellulose Impregnated Paper Collars.
Claims use since January, 1936.

Ser. No. 388,220. ATLAS AGO CHEMISCHE FABRIK AKTIENGESELLSCHAFT, Molkau, near Leipzig, Germany. Filed Jan. 27, 1937.

Elastra

For Orthopedic Shoes.
Claims use since June, 1934.

Ser. No. 388,246. SLOTE & KLEIN, INC., New York, N. Y. Filed Jan. 27, 1937.

Criterion

For Ladies' Belts Made of Leather or Similar Materials.
Claims use since Feb. 1, 1931.

Ser. No. 388,315. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Jan. 29, 1937.

STRIDE

For Men's and Boys' Dress, Negligee, Work, and Sport Shirts, and Collars.
Claims use since Jan. 18, 1937.

Ser. No. 388,477. THE MAYER-NOCK CO., Philadelphia, Pa. Filed Feb. 3, 1937.

ONE-2-TEEN

For Girls' Frocks, Boys' Suits, and Children's Dresses.
Claims use since Dec. 20, 1936.

Ser. No. 388,606. FOWNES BROS. & CO., INC., New York, N. Y. Filed Feb. 6, 1937.

SHARTEX

For Ladies', Men's, and Children's Gloves of Leather, Fabric, and Combinations Thereof.
Claims use since Sept. 9, 1935.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 387,756. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn. Filed Jan. 13, 1937.

GRIPPERS

For Snap Fasteners.
Claims use since Jan. 7, 1937.

Ser. No. 388,182. BRUCE E. CEDEROTH, Chicago, Ill. Filed Jan. 26, 1937.



The representation of a shoe lace is disclaimed apart from the mark as shown.
For Shoe Laces.
Claims use since Mar. 6, 1935.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 358,934. THE KENDALL COMPANY, Walpole, Mass. Filed Dec. 5, 1934.

K

For Gauze in the Piece and in Packaged Form.
Claims use since Nov. 21, 1934.

Ser. No. 383,704. PIERRE ROUSSILLON, Villeurbanne, France. Filed Sept. 28, 1936.

TRADE MARK TULHEVEA

The words "Trade Mark" and "Made in France" are disclaimed apart from the mark.
For Lace and Tulle of Natural Silk, Rayon, Cotton, or Other Textiles in the Piece.
Claims use since Aug. 3, 1935.

Ser. No. 384,174. MARTIN WEINER, doing business as Martin Weiner Co., New York, N. Y. Filed Oct. 9, 1936.

PRINT OF THE MONTH

The word "Print" is disclaimed apart from the mark.
For Textile Fabrics—Namely, Silk, Rayon, and Acetate Piece Goods, Both Printed and Plain.
Claims use since Apr. 15, 1935.

Ser. No. 386,937. ETABLISSEMENTS TRIPETTE & RÉNAUD FILS, SOCIÉTÉ ANONYME, Paris, France. Filed Dec. 19, 1936.

SHUTTLE BRAND

The word "Brand" is disclaimed apart from the mark.
For Bolting Cloth.
Claims use since Sept. 2, 1931.

Ser. No. 387,368. H. BATES CO., INC., New York, N. Y. Filed Jan. 2, 1937.

STEELNET

For Non-Metallic Rayon and Cotton Nets in the Piece.
Claims use since July 19, 1935.

Ser. No. 387,848. WULLSCHLEGER & CO., New York, N. Y. Filed Jan. 15, 1937.

SEA KOOL

The word "Kool" is disclaimed apart from the mark.
For Silk Goods in the Piece.
Claims use since Dec. 28, 1936.

Ser. No. 387,973. BELL TEXTILE COMPANY, New York, N. Y. Filed Jan. 21, 1937.



The word "Spun" is disclaimed apart from the mark.
For Blankets.
Claims use since Oct. 20, 1936.

Ser. No. 388,591. PACIFIC MILLS, Lawrence and Boston, Mass. Filed Feb. 5, 1937.

"LAUNTEX"

For Mixed Cotton and Woolen Piece Goods.
Claims use since June, 1936.

Ser. No. 388,755. BOTANY WORSTED MILLS, Passaic, N. J. Filed Feb. 11, 1937.

Dustytone

For Woolen Piece Goods.
Claims use since Oct. 13, 1936.

Ser. No. 388,756. BOTANY WORSTED MILLS, Passaic, N. J. Filed Feb. 11, 1937.

Turkestana

For Woolen Piece Goods.
Claims use since Dec. 1, 1936.

Ser. No. 388,758. BOTANY WORSTED MILLS, Passaic, N. J. Filed Feb. 11, 1937.

Marchan

For Woolen Piece Goods.
Claims use since 1925.

Ser. No. 388,759. BOTANY WORSTED MILLS, Passaic, N. J. Filed Feb. 11, 1937.

Indotwill

For Woolen Piece Goods.
Claims use since Oct. 2, 1933.

Ser. No. 388,784. LIPPITT WOOLEN COMPANY, Woonsocket, R. I., and New York, N. Y. Filed Feb. 11, 1937.

USEPPA

For Textile Fabrics in the Piece of Cotton, Wool, Silk, Rayon, Mohair, and/or Combinations Thereof.
Claims use since Dec. 23, 1936.

Ser. No. 388,829. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 12, 1937.

ODD - AND - EVEN

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Feb. 10, 1937.

Ser. No. 388,977. FOLKARD & LAWRENCE, INC., New York, N. Y. Filed Feb. 16, 1937.

FOLA FABRICS

The word "Fabrics" is disclaimed apart from the word "Fola."
For Piece Goods Made of Wool, Cotton, Silk, Rayon, Artificial Silk, Artificial Fibers, and/or Combinations of the Same, and Steamer and Pram Rugs of Textile Fabrics.
Claims use since May, 1932.

CLASS 43

Thread and Yarn

Ser. No. 388,652. MERKEL & KIENLIN G. m. b. H., Esslingen-Neckar, Germany. Filed Feb. 8, 1937.



For Yarns, Specially Woolen Yarns.
Claims use since Jan. 22, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 380,735. HARRY L. AIN, New York, N. Y. Filed July 8, 1936.

AMAZONS

For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since March, 1932.

Ser. No. 381,805. FRANZ HESSE, doing business as R. Froeschke & Co., Berlin-Neukolln, Germany. Filed Aug. 4, 1936.



For Rolls and Pellets of Cotton Wool for Dental Use, Hardening and Soldering Materials for Dental Purposes, Moulding Material for Dental Purposes, Material for Filling Teeth, Enamel Goods for Dental Purposes, Medical, Hygienic Apparatus, Instruments, and Fittings, Bandages, Artificial Teeth.
Claims use since Mar. 11, 1908.

Ser. No. 381,861. BONAT & BONAT, INC., New York, N. Y. Filed Aug. 6, 1936.

NEW ERA "Croquignole"

The word "Croquignole" is disclaimed apart from the mark.
For Permanent Hair Wave Pads, Spacers, Curling Rods, Heaters, and Machines.
Claims use since Feb. 1, 1936.

Ser. No. 383,106. SKIN CHARM MASSAGER, INC., Memphis, Tenn. Filed Sept. 10, 1936.

Skin Charm

For Skin Massager.
Claims use since Nov. 1, 1935.

Ser. No. 386,001. WASHINGTON DENTAL COMPANY, Washington, D. C. Filed Nov. 25, 1936.

VITALITE

For Dental Restorations.
Claims use since June 15, 1935.

Ser. No. 386,087. WASHINGTON DENTAL COMPANY, Washington, D. C. Filed Nov. 28, 1936.

ORA-KROME

The word "Krome" is disclaimed apart from the mark shown.
For Dental Restorations.
Claims use since June 15, 1935.

Ser. No. 386,327. GEORGE J. YORE, doing business as George J. Yore and Company, Chicago, Ill. Filed Dec. 4, 1936.

BAG O HEAT

The words "Bag" and "Heat" are disclaimed apart from the mark shown.
For Heating Pads.
Claims use since Nov. 7, 1913.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 388,356. LEWIS-MARTIN COMPANY, New York, N. Y. Filed Jan. 30, 1937.



The words "Syrup Flavor" are disclaimed apart from the mark.
For Flavoring Used in the Preparation of Soft Drinks.
Claims use since Jan. 20, 1937.

Ser. No. 388,436. THE DISTILLATA COMPANY, Cleveland, Ohio. Filed Feb. 2, 1937.

Distillata
★THREE★STAR★

For Ginger Ale.
Claims use since Dec. 10, 1936.

Ser. No. 388,465. SNOW CREST BEVERAGES, INC., Salem, Mass. Filed Feb. 2, 1937.

BIG EIGHT

For Nonalcoholic Syrups or Extracts to be Mixed with Other Ingredients for Making Beverages.
Claims use since Dec. 5, 1936.

Ser. No. 388,548. SILVER SPRINGS WATER COMPANY, Detroit, Mich. Filed Feb. 4, 1937.

STUBBY

For Nonalcoholic Beverages and Soft Drinks Including Syrups and Extracts for Making the Same.
Claims use since January, 1937.

Ser. No. 388,563. CITRUS PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 5, 1937.

Plus 4

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Syrups and Concentrates From Which Such Soft Drinks are Made.
Claims use since Jan. 21, 1937.

Ser. No. 388,604. WORLD BOTTLING COMPANY, LTD., New Orleans, La. Filed Feb. 5, 1937.

TWIN 'L'

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Dec. 1, 1936.

Ser. No. 388,840. HARRY SACHS, New York, N. Y. Filed Feb. 12, 1937.

STEP UP

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since December, 1936.

Ser. No. 388,932. GENERAL BEVERAGE CORP., Springfield, Mass. Filed Feb. 15, 1937.

MINRIZE

For Nonalcoholic Beverages.
Claims use since May 14, 1936.

Ser. No. 388,958. R. E. POWELL, San Marino, Calif. Filed Feb. 15, 1937.

blix

For Nonalcoholic Beverages Sold as Soft Drinks.
Claims use since Jan. 2, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 363,386. CUBA INDUSTRIAL Y COMERCIAL, S. A., Habana, Cuba. Filed Apr. 4, 1935.

LA ESTRELLA

Applicant is the owner of trade-mark registration No. 293,744.
For Chocolate.
Claims use since August, 1922.

Ser. No. 372,471. FRUIT PRODUCTS CORPORATION, Belleville, N. J. Filed Dec. 10, 1935.



The word "Astoria" is disclaimed apart from the mark.
For Cherries in Glass Containers.
Claims use since 1919.

Ser. No. 381,096. ROBINSON-MCCAW MILLS, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw. Filed July 13, 1936.



The drawing is lined for yellow and purple.
For Wheat Flour.
Claims use since July 2, 1936.

Ser. No. 381,096. ROBINSON-MCCAW MILLS, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw. Filed July 13, 1936.



The drawing is lined for yellow, purple, and green.
For Wheat Flour.
Claims use since July 2, 1936.

Ser. No. 382,277. ROBINSON-MCCAW MILLS, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw. Filed Aug. 17, 1936.



The drawing is lined for dark blue and light blue.
For Wheat Flour.
Claims use since July 2, 1936.

Ser. No. 382,278. ROBINSON-MCCAW MILLS, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw. Filed Aug. 17, 1936.



The drawing is lined for red and green.
For Wheat Flour.
Claims use since July 2, 1936.

Ser. No. 382,279. ROBINSON-MCCAW MILLS, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw. Filed Aug. 17, 1936.



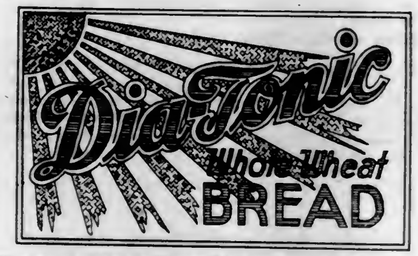
The drawing is lined for black, orange and red.
For Wheat Flour.
Claims use since July 2, 1936.

Ser. No. 382,280. ROBINSON-MCCAW MILLS, a firm composed of Harry L. Robinson and Henry L. McCaw, Kansas City, Mo.; said Robinson assignor to said McCaw. Filed Aug. 17, 1936.



The drawing is lined for pink and purple.
For Wheat Flour.
Claims use since July 2, 1936.

Ser. No. 382,866. DIA-TONIC CO., Union City, N. J. Filed Sept. 3, 1936.



The words "Whole Wheat Bread" are disclaimed.
For Bread Composed of Vegetable Extract Flour and General 100% Whole Wheat Flour.
Claims use since Aug. 1, 1936.

Ser. No. 383,267. A/S EINAR HAUSVIK & CO., Bergen, Norway. Filed Sept. 15, 1936.

KING
OLAF

For Canned Fish, and Particularly Sardines.
Claims use since February, 1929.

Ser. No. 383,498. WURM BROTHERS COMPANY, Chicago, Ill. Filed Sept. 21, 1936.

Appealing

For Canned Fruits, Canned Vegetables, Canned Fish and Shellfish, and Catsup.
Claims use since Aug. 1, 1918.

Ser. No. 383,715. H. C. BOHACK CO., INC., New York, N. Y. Filed Sept. 28, 1936.



The words "Sausage" and "Pure Pork Product" are disclaimed apart from the mark.
For Sausages.
Claims use since Aug. 1, 1936.

Ser. No. 385,009. GANGJEE SAJUN & CO., Calcutta, India. Filed Oct. 31, 1936.

G S

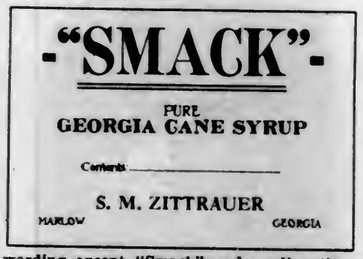
For Rice.
Claims use since January, 1931.

Ser. No. 385,620. ALBERS BROS. MILLING CO., Portland, Oreg., San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Calif., and Seattle, Tacoma, and Spokane, Wash. Filed Nov. 17, 1936.

Mil-King

For Stock Feeds.
Claims use since Oct. 22, 1936.

Ser. No. 385,920. STEPHEN MERSHON ZITTRAUER, Marlow, Ga. Filed Nov. 23, 1936.



All wording except "Smack" and applicant's name is disclaimed apart from the mark as shown.
For Canned Georgia Cane Syrup.
Claims use since 1926.

Ser. No. 386,391. A/S EINAR HAUSVIK & CO., Bergen, Norway. Filed Dec. 7, 1936.

SILVER DRAGON
BRAND

The word "Brand" is disclaimed apart from the mark.
For Canned Fish, and Particularly Smoked Sardines.
Claims use since June 20, 1929.

Ser. No. 387,708. MARINE PRODUCTS CO., San Diego, Calif. Filed Jan. 12, 1937.



For Canned Tuna.
Claims use since Aug. 31, 1936.

Ser. No. 387,752. MAWER-GULDEN-ANNIS, INC., Brooklyn, N. Y. Filed Jan. 13, 1937.

KING

Applicant is the owner of registration No. 53,099, registered May 29, 1906.
For Bottled Olives and Cherries.
Claims use since Jan. 16, 1905 on olives; since Dec. 8, 1936 on cherries.

Ser. No. 387,938. FIORLAT DAIRY PRODUCTS CORP., New York, N. Y. Filed Jan. 19, 1937.

FIORLAT
FLOWER OF MILK

For Cream Cheese.
Claims use since Nov. 1, 1936.

Ser. No. 388,042. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Jan. 22, 1937.



For Chewing Gum.
Claims use since Aug. 1, 1936.

Ser. No. 388,232. E. GREENFIELD'S SONS, INC., New York, N. Y. Filed Jan. 27, 1937.

CHOCOLATE SPONGE

Applicant is the owner of trade-mark registration No. 103,428, dated April 6, 1915.
The word "Chocolate" is disclaimed apart from the mark.
For Candies.
Claims use since 1901.

Ser. No. 388,285. SOUTHERN RICE SALES CO., INC., New York, N. Y. Filed Jan. 28, 1937.

NEEDLE

For Rice.
Claims use since March, 1935.

Ser. No. 388,334. RANCHO SESPE, Fillmore, Calif. Filed Jan. 29, 1937.

Silver Stripe

For Fresh Citrus Fruits.
Claims use since January, 1933.

Ser. No. 388,541. MOUNT OLIVE PICKLE CO., INC., Mount Olive, N. C. Filed Feb. 4, 1937.

LITTLE REBEL

For Pickles and Pickle Relishes.
Claims use since Jan. 19, 1937.

Ser. No. 388,660. RED STAR YEAST AND PRODUCTS CO., Milwaukee, Wis. Filed Feb. 8, 1937.

KITCHEN-PAK

For Compressed Yeast.
Claims use since Dec. 15, 1936.

Ser. No. 388,729. THE RENKEN & YATES SMITH CORPORATION, New York, N. Y. Filed Feb. 10, 1937.

Rensmith

For Biscuits.
Claims use since Jan. 25, 1937.

Ser. No. 388,735. UNITED PACKING CORPORATION, Oakland, Calif. Filed Feb. 10, 1937.

Unipack

For Canned Fruits.
Claims use since Aug. 14, 1936.

Ser. No. 388,760. E. J. BRACH & SONS, Chicago, Ill. Filed Feb. 11, 1937.

Fame and Fortune

For Candies.
Claims use since Mar. 9, 1934.

Ser. No. 388,790. MIDDLESEX WHOLESALE GROCERY CO., New Brunswick, N. J. Filed Feb. 11, 1937.

MIDDALE

For Canned Vegetables.
Claims use since Dec. 3, 1936.

CLASS 47

Wines

Ser. No. 384,236. BISCEGLIA BROS., San Jose, Calif. Filed Oct. 12, 1936.

BISCEGLIAS

CALIFORNIA SAWTELL WINE

The word "Wine" is disclaimed apart from the mark.
For Wine.
Claims use since Aug. 17, 1936.

Ser. No. 387,668. GREAT NORTHERN WINE COMPANY INC., New York, N. Y. Filed Jan. 11, 1937.

Dutch Boy

For Wines.
Claims use since Jan. 4, 1937.

CLASS 48

Malt Beverages and Liquors

Ser. No. 388,046. BREWERS SCIENTIFIC LABORATORIES, INC., Rahway, N. J. Filed Jan. 22, 1937.

NUJELL FININGS

The word "Finings" is disclaimed apart from the mark.
For Chemical Substance of Vegetable Orgin Used Exclusively in the Clarification of Beer and Ales.
Claims use since Dec. 1, 1934.

Ser. No. 388,349. EBLING BREWING COMPANY, INC., Brooklyn, N. Y. Filed Jan. 30, 1937.



The word "Ale" is disclaimed apart from the mark.
For Beer, Stout, Ale, and Porter.
Claims use since September, 1936.

Ser. No. 388,609. ATLAS BREWING COMPANY, Chicago, Ill. Filed Feb. 6, 1937.



For Beer.
Claims use since Nov. 24, 1933.

Ser. No. 388,988. LAFAYETTE BREWERY INC., La Fayette, Ind. Filed Feb. 16, 1937.

Tippecanoe

For Beer.
Claims use since Jan. 26, 1937.

CLASS 49

Distilled Alcoholic Liquors.

Ser. No. 384,430. NEW ORLEANS ALCOHOL AND DISTILLING CORPORATION, New Orleans, La. Filed Oct. 16, 1936.



Applicant disclaims the words "Crystal Alcohol" and "New Orleans, Louisiana, U. S. A."
For Ethyl Alcohol to be used for Distilled Alcoholic Liquors.
Claims use since Sept. 5, 1936.

Ser. No. 386,359. THE BUCKINGHAM CORPORATION, New York, N. Y. Filed Dec. 5, 1936.

A "Special Occasion" Scotch

The word "Scotch" is disclaimed apart from the mark.
For Whisky.
Claims use since Nov. 20, 1936.

Ser. No. 386,929. THE BUCKINGHAM CORPORATION, New York, N. Y. Filed Dec. 19, 1936.



The words "Blended Scots Whisky" are disclaimed apart from the mark.
For Whisky.
Claims use since December, 1933.

Ser. No. 386,933. THE BUCKINGHAM CORPORATION, New York, N. Y. Filed Dec. 19, 1936.



The drawing is lined for red. No claim is made to the representation of the label.
For Imported Gin.
Claims use since December, 1933.

Ser. No. 387,431. BRAUER LIQUOR CO., Jersey City, N. J. Filed Jan. 4, 1937.



For Whiskey.
Claims use since Aug. 1, 1935.

Ser. No. 387,661. CRESCENT BEVERAGE CO. INC., Newark, N. J. Filed Jan. 11, 1937.



For Whiskey.
Claims use since Sept. 22, 1936.

Ser. No. 387,663. DISTILLERS EXCHANGE, INC., New York, N. Y. Filed Jan. 11, 1937.



All wording except "Pedro's", "Rum Company Ltd.", and "Distillers Exchange, Inc." is disclaimed apart from the mark shown.

For Rum.

Claims use since Oct. 23, 1936.

Ser. No. 387,836. PICKER-LINZ IMPORTERS, INC., New York, N. Y. Filed Jan. 15, 1937.



The words "Cognac Fine Champagne", "St. Meme-Cognac", and "France" are disclaimed apart from the mark.

For Cognac Brandy.

Claims use since Sept. 15, 1936.

Ser. No. 387,837. PICKER-LINZ IMPORTERS, INC., New York, N. Y. Filed Jan. 15, 1937.



The words "Cognac Grande Champagne" and "Extra" are disclaimed apart from the mark.

For Cognac Brandy.

Claims use since Sept. 15, 1936.

Ser. No. 388,037. TOM WALKER, INC., Pittsburgh and Glenfield, Pa. Filed Jan. 21, 1937.

Old Gold

For Whiskey.

Claims use since Nov. 1, 1891.

Ser. No. 388,106. CHARLES L. RICHARDSON & CO., INC., Boston, Mass. Filed Jan. 23, 1937.

Ducal

For Whiskey.

Claims use since Dec. 23, 1936.

Ser. No. 388,341. ABRAM SMITH BOWMAN, doing business as A. Smith Bowman Distillery, Sunset Hills, Va. Filed Jan. 30, 1937.

VIRGINIA GENTLEMAN

For Whiskey.

Claims use since Jan. 14, 1937.

Ser. No. 388,960. SCHENLEY PRODUCTS COMPANY, New York, N. Y. Filed Feb. 15, 1937.



Applicant is the owner of certificate of registration No. 315,434.

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.

Claims use since Aug. 18, 1936.

Ser. No. 388,961. SCHENLEY PRODUCTS COMPANY, New York, N. Y. Filed Feb. 15, 1937.



For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.

Claims use since Aug. 18, 1936.

Ser. No. 389,003. WOODFORD COUNTY DISTILLERY CO., Midway, Ky. Filed Feb. 16, 1937.



The words "Old Versailles" are disclaimed apart from the mark.

For Whiskey.

Claims use since Jan. 7, 1937.

Ser. No. 389,280. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Feb. 23, 1937.

MOUNT CLARE

For Whiskey.

Claims use since Nov. 11, 1936.

Ser. No. 389,281. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Feb. 23, 1937.

MOUNT ETNA

For Whiskey.

Claims use since Nov. 11, 1936.

Ser. No. 389,282. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Feb. 23, 1937.

VALLEY PARK

For Whiskey.

Claims use since Jan. 4, 1937.

Ser. No. 389,283. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Feb. 23, 1937.

FERNDALE

For Whiskey.

Claims use since Jan. 4, 1937.

Ser. No. 389,284. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Feb. 23, 1937.

SMITH MILL

For Whiskey.

Claims use since Jan. 4, 1937.

Ser. No. 389,285. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Feb. 23, 1937.

BALLOT

For Whiskey.

Claims use since Feb. 5, 1937.

Ser. No. 389,454. CAPITOL WINE & SPIRIT CORPORATION, New York, N. Y. Filed Feb. 27, 1937.



For Whiskey.

Claims use since Jan. 29, 1937.

Ser. No. 389,457. CONNECTICUT DISTILLERIES, INCORPORATED, Westport, Conn. Filed Feb. 27, 1937.

Millwheel

For Whiskey.

Claims use since Feb. 20, 1936.

Ser. No. 389,471. POPPER-MORSON CO., INC., Jersey City, N. J. Filed Feb. 27, 1937.

..BURNT..
WOOD

For Whiskey.

Claims use since Jan. 16, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 386,925. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y. Filed Dec. 19, 1936.

Denali

For High Count, Light Weight Cotton Fabrics Dyed and Waterproofed for Sport and Outdoor Clothing Purposes, in the Piece.

Claims use since Nov. 9, 1936.

Ser. No. 387,006. PARA-FLEX PLATE CORPORATION, New York, N. Y. Filed Dec. 21, 1936.

PARA-FLEX

For Printing Plates, Engraving Plates, Rubber Composition Printing Plates, Rubber Composition Engraving Plates, Steel Printing Plates, Steel Engraving Plates, Wood Cuts, and Dies.

Claims use since Nov. 10, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 6, 1937

344,711. MUCILAGE AND LIBRARY PASTE. THE AULT & WIBORG COMPANY, now by judicial change of name Ault & Wiborg Carbon & Ribbon Co., Inc., New York, N. Y.
Filed March 27, 1933. Serial No. 336,106. PUBLISHED JANUARY 26, 1937. Class 5.

344,712. WINES. CITRUS JUICE & FLAVOR CO. LTD., Orange, Calif.
Filed August 21, 1933. Serial No. 340,864. PUBLISHED OCTOBER 31, 1933. Class 47.

344,713. GIN AND RUM. B., M. & J. STRAUSS, LTD., London, England.
Filed September 26, 1933. Serial No. 341,904. PUBLISHED JANUARY 26, 1937. Class 49.

344,714. WINES. JOHANNES A. PETERSEN & CO., Hamburg, Germany, assignors to Gimbel Brothers, Inc., New York, N. Y.
Filed February 3, 1934. Serial No. 346,923. PUBLISHED JANUARY 26, 1937. Class 47.

344,715. SHERRY AND PORT. SCHENLEY WINE & SPIRIT IMPORT CORPORATION, New York, N. Y., now by change of name Schenley Import Corporation.
Filed May 4, 1934. Serial No. 350,910. PUBLISHED JULY 8, 1934. Class 47.

344,716. MEN'S AND BOYS' PAJAMAS, ROBES, DRESS AND NEGLIGEE SHIRTS, AND UNDERWEAR. KAYLON INCORPORATED, New York, N. Y.
Filed January 7, 1935. Serial No. 359,994. PUBLISHED OCTOBER 8, 1935. Class 39.

344,717. WHISKY. HENRY KELLY & SONS, INC., New York, N. Y.
Filed April 27, 1935. Serial No. 364,294. PUBLISHED JUNE 11, 1935. Class 49.

344,718. CRACKERS, BISCUITS, AND WAFERS. RALPH RAULLI, doing business as Sunland Biscuit Co., Los Angeles, Calif.
Filed September 10, 1935. Serial No. 369,168. PUBLISHED OCTOBER 29, 1935. Class 46.

344,719. CANNED MEAT COMPOUND COMPOSED OF DEVILED HAM, DEVILED TONGUE, BUTTER, AND SPICES. REID, MURDOCH & CO., Chicago, Ill.
Filed October 14, 1935. Serial No. 370,361. PUBLISHED JANUARY 5, 1937. Class 46.

344,720. FABRICS MADE FROM COTTON, WOOL, MOHAIR, RAYON, AND COMBINATIONS THEREOF. L. BACHMANN & CO. INC., New York, N. Y.
Filed October 24, 1935. Serial No. 370,856. PUBLISHED DECEMBER 31, 1935. Class 42.

344,721. MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS, AND TROUSERS, MADE OF EITHER WOVEN OR KNITTED MATERIAL OR WOOL FABRICS AND WORSTED FABRICS. L. BACHMANN & Co. INC., New York, N. Y.
Filed October 24, 1935. Serial No. 370,857. PUBLISHED DECEMBER 31, 1935. Class 39.

344,722. PREPARATION FOR REMOVING OXIDE AND RUST PARTICULARLY FROM THE INSIDE OF BOILERS AND RADIATORS. HENEX, S. A., Mexico, D. F., Mexico.
Filed October 31, 1935. Serial No. 371,031. PUBLISHED JANUARY 26, 1937. Class 6.

344,723. AUTOMATIC GAS MIXER CONTROLS, AUTOMATIC ELECTRICAL FREQUENCY CONTROLS, ETC. SMOOT ENGINEERING CORPORATION, Chicago, Ill.
Filed November 7, 1935. Serial No. 371,321. PUBLISHED JANUARY 26, 1937. Class 26.

344,724. WOMEN'S, GIRLS', AND MISSES' UNDERGARMENTS AND CLOTHING—NAMELY, DRESSES, TAILORED SUITS, RIDING SUITS, KNICKER SUITS, ETC. WOODWARD & LOTHROP, Washington, D. C.
Filed November 8, 1935. Serial No. 371,377. PUBLISHED JANUARY 19, 1937. Class 39.

344,725. WHISKEY, GIN, AND RUM. NATHAN N. WALLACK, doing business as Star Liquor Co., Washington, D. C.
Filed December 7, 1935. Serial No. 372,383. PUBLISHED JANUARY 26, 1937. Class 49.

344,726. FOOD FLAVORING COMPOUND. TIEN CHU VE-TSIN MANUFACTURING CO., Shanghai, China.
Filed December 11, 1935. Serial No. 372,533. PUBLISHED JANUARY 19, 1937. Class 46.

344,727. PICKLES AND RELISHES—NAMELY, SWEET DILL PICKLES, SWEET MIXED PICKLES, SWEET MUSTARD PICKLES, SOUTHERN HOTS, MEXICAN HOT, CHILI ENCURTIDOS, PICKLED ONIONS, CHOW CHOW, AND SWEET RELISH. HARBOR PICKLE CO., Long Beach, Calif.
Filed December 20, 1935. Serial No. 372,875. PUBLISHED JANUARY 19, 1937. Class 46.

344,728. COTTON SHEETS, SHEETINGS, PILLOW CASES, AND COTTON PIECE GOODS. UTICA AND MOHAWK COTTON MILLS, INC., Utica, N. Y.
Filed January 2, 1936. Serial No. 373,274. PUBLISHED MARCH 24, 1936. Class 42.

344,729. PAJAMAS AND MEN'S AND BOYS' UNDERWEAR. EXCELSIOR UNDERWEAR COMPANY, INC., Baltimore, Md.
Filed January 25, 1936. Serial No. 374,078. PUBLISHED MARCH 17, 1936. Class 39.

344,730. ZINC OXIDE FOR USE AS PAINT PIGMENT. AMERICAN ZINC SALES COMPANY, St. Louis, Mo.
Filed February 7, 1936. Serial No. 374,548. PUBLISHED JANUARY 26, 1937. Class 16.

344,731. PAJAMAS. LUBIN-WEEKER CO., INC., New York, N. Y., assignor to Excelsior Underwear Company, Inc., (also known as Excelsior Underwear Co., Inc.), Baltimore, Md., a corporation of Maryland.
Filed February 17, 1936. Serial No. 374,932. PUBLISHED MARCH 31, 1936. Class 39.

344,732. RUM. COMPAÑIA COMERCIAL Y DE INVERSIONES, Habana, Cuba.
Filed February 18, 1936. Serial No. 374,964. PUBLISHED APRIL 21, 1936. Class 49.

344,733. VEGETABLE EXTRACT TO BE USED FOR TENDERIZING MEATS. THE PERFECT MNFG. CO., doing business as Tendra Kitchens, Cincinnati, Ohio.
Filed March 16, 1936. Serial No. 376,065. PUBLISHED JANUARY 19, 1937. Class 46.

344,734. ANIMAL FOOD—NAMELY, DOG FOODS. HEGER PRODUCTS COMPANY, St. Paul, Minn.
Filed March 18, 1936. Serial No. 376,123. PUBLISHED MAY 12, 1936. Class 46.

344,735. NETTINGS, PIECE GOODS MADE WHOLLY OR IN PART OF COTTON, LINEN, SILK, SYNTHETIC SILK, WOOL, OR COMBINATIONS THEREOF. JOHN HEATHCOAT & CO., INC., New York, N. Y.
Filed March 20, 1936. Serial No. 376,206. PUBLISHED JANUARY 26, 1937. Class 42.

344,736. PREPARATION FOR USE IN PROTECTING PAINTED SURFACES OF AUTOMOBILES, AIRCRAFT, AND THE LIKE, WHICH FORMS A DURABLE TRANSPARENT COATING WHEN APPLIED TO THE PAINTED SURFACE FOR PROTECTING THE SAME. RADIAN MANUFACTURING COMPANY, Detroit, Mich.
Filed March 20, 1936. Serial No. 376,225. PUBLISHED JULY 14, 1936. Class 16.

344,737. GLASS TABLEWARE, CONDIMENT JARS, COFFEE JARS, MIXING BOWLS, AND OTHER FOOD-PREPARING VESSELS, FOOD-PACKING CONTAINERS, AND CUSPIDORS. THE HOCKING GLASS COMPANY, Lancaster, Ohio.
Filed March 23, 1936. Serial No. 376,278. PUBLISHED JANUARY 26, 1937. Class 33.

344,738. [WITHDRAWN.]

344,739. WINES. CELLIERS DE LA COMMUNAUTE MARCOPOULOU, Marcopoulo, Greece, assignor to Societe Hellenique de Vins et Spiritueux, S. A., Athens, Greece.
Filed May 12, 1936. Serial No. 378,358. PUBLISHED OCTOBER 27, 1936. Class 47.

344,740. WOMEN'S DRESSES, COATS, SUITS. GOLDRING MERCHANDISING CORPORATION, New York, N. Y.
Filed May 22, 1936. Serial No. 378,748. PUBLISHED JANUARY 19, 1937. Class 39.

344,741. BUS BODIES. PACIFIC CAR AND FOUNDRY COMPANY, Seattle and Renton, Wash.
Filed May 26, 1936. Serial No. 378,901. PUBLISHED JANUARY 26, 1937. Class 19.

344,742. INSECTICIDE. MASAO KAWAHARA, doing business as Kawahara Co., Los Angeles, Calif.
Filed June 10, 1936. Serial No. 379,524. PUBLISHED JANUARY 26, 1937. Class 6.

344,743. TOILET PAPER. GEORGE W. SCHILDGE, doing business as George W. Schildge Paper Co., Chicago, Ill.
Filed June 10, 1936. Serial No. 379,534. PUBLISHED JANUARY 26, 1937. Class 37.

344,744. HOSIERY FOR LADIES, MEN, AND CHILDREN. KELLY & DOHERTY, New York, N. Y.
Filed June 16, 1936. Serial No. 379,801. PUBLISHED AUGUST 4, 1936. Class 39.

344,745. SANDWICH RELISH, MAYONNAISE, SALAD DRESSING, 1000 ISLAND DRESSING, AND FRENCH DRESSING. C. THOMAS STORES SALES SYSTEM, INC., Minneapolis, Minn.
Filed June 18, 1936. Serial No. 379,910. PUBLISHED JANUARY 19, 1937. Class 46.

344,746. CREAM SHAMPOO. JOSEPH B. BENDER, doing business as Benco Products, New York, N. Y.
Filed June 16, 1936. Serial No. 379,921. PUBLISHED JANUARY 26, 1937. Class 6.

344,747. DEPILATORY CREAM. JOSEPH B. BENDER, doing business as Benco Products, New York, N. Y.
Filed June 16, 1936. Serial No. 379,923. PUBLISHED JANUARY 26, 1937. Class 6.

344,748. MUSTARD. THE R. T. FRENCH COMPANY, Rochester, N. Y.
Filed June 19, 1936. Serial No. 379,956. PUBLISHED JANUARY 26, 1937. Class 46.

344,749. SPRING ASSEMBLY FOR UPHOLSTERY PURPOSES. THE AULSBROOK COMPANY, Detroit, Mich.
Filed June 22, 1936. Serial No. 380,030. PUBLISHED JANUARY 26, 1937. Class 32.

344,750. CLOAKS AND SUITS FOR WOMEN AND MISSES. LOBREE & LENNEY, INC., San Francisco, Calif.
Filed June 26, 1936. Serial No. 380,288. PUBLISHED SEPTEMBER 1, 1936. Class 39.

344,751. PAINT ENAMELS, VARNISHES, AND VARNISH STAINS. CON-FERRO PAINT & VARNISH COMPANY, St. Louis, Mo.
Filed June 27, 1936. Serial No. 380,345. PUBLISHED JANUARY 26, 1937. Class 16.

344,752. PAINTS—NAMELY, READY-MIXED PAINTS; ANTI-FOULING COMPOSITIONS—NAMELY, COMPOSITIONS IN THE NATURE OF PAINT TO PREVENT RUST OR FOULING; AND ANTI-CORROSIVES—NAMELY, PREPARATIONS IN THE NATURE OF PAINTS FOR THE PREVENTION OF CORROSION. THE WALPAMUR COMPANY, LIMITED, London, England.
Filed June 27, 1936. Serial No. 380,371. PUBLISHED OCTOBER 27, 1936. Class 16.

344,753. MEN'S, WOMEN'S, AND CHILDREN'S HATS. MARSHALL STEEL COMPANY, Oakland, Calif.
Filed July 7, 1936. Serial No. 380,712. PUBLISHED JANUARY 19, 1937. Class 39.

344,754. ELECTRICAL APPLIANCES—NAMELY, IRONS, TOASTERS, PERCOLATORS, WAFFLE IRONS, ELECTRICALLY HEATED VACUUM TYPE COFFEE MAKERS, FANS, ROASTERS, FOOD MIXERS, VACUUM CLEANERS, RADIO RECEIVING SETS, RADIO TUBES, TELEVISION RECEIVING SETS, DRY CELL AND STORAGE BATTERIES. TRIANOLE ELECTRIC CO., Chicago, Ill.
Filed July 8, 1936. Serial No. 380,805. PUBLISHED JANUARY 26, 1937. Class 21.

344,755. GOLF CLUBS. ALLIED GOLF CORPORATION, Chicago, Ill.
Filed July 10, 1936. Serial No. 380,856. PUBLISHED JANUARY 26, 1937. Class 22.

344,756. PATTERNS FOR GARMENTS. RALPH E. BERMAN, doing business as Fine Art Patterns, New York, N. Y.
Filed July 16, 1936. Serial No. 381,062. PUBLISHED JANUARY 26, 1937. Class 26.

344,757. TWIN STUDIO COUCHES. SLEEPER, INC., Chicago, Ill.
Filed July 20, 1936. Serial No. 381,226. PUBLISHED JANUARY 26, 1937. Class 32.

344,758. TWIN STUDIO COUCHES. SLEEPER, INC., Chicago, Ill.
Filed July 20, 1936. Serial No. 381,227. PUBLISHED JANUARY 26, 1937. Class 32.

344,759. POLISHES FOR WOOD, FURNITURE, AND VARNISHED AND LACQUERED SURFACES, SCRATCH REMOVER AND POLISH, ETC. MIDWAY CHEMICAL CO., Chicago, Ill.
Filed July 20, 1936. Serial No. 381,229. PUBLISHED JANUARY 12, 1937. Class 16.

344,760. WOMEN'S HATS. THE ETON CORPORATION, New York, N. Y.
Filed August 15, 1936. Serial No. 382,208. PUBLISHED JANUARY 12, 1937. Class 39.

344,761. BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS OF THESE MATERIALS. CLARK SHOE COMPANY, INC., New York, N. Y.
Filed August 17, 1936. Serial No. 382,262. PUBLISHED JANUARY 12, 1937. Class 39.

344,762. METAL POLISH, SILVER POLISH, AND GLASS CLEANER AND POLISH. THE SLICK-SHINE CO. INC., Newark, N. J.
Filed August 20, 1936. Serial No. 382,397. PUBLISHED JANUARY 26, 1937. Class 4.

344,763. CLOCKS, WATCHES, AND WATCHCASES. PONTIAC COMPANY, Newark, N. J.
Filed August 21, 1936. Serial No. 382,545. PUBLISHED NOVEMBER 24, 1936. Class 27.

344,764. BANK BOOKS, PASS BOOKS, CHECK BOOKS, DEPOSIT SLIPS, ACCOUNT CARDS, STATEMENT SHEETS, AND LEDGER SHEETS. MILTON C. JOHNSON COMPANY, INC., New York, N. Y.
Filed August 27, 1936. Serial No. 382,630. PUBLISHED JANUARY 26, 1937. Class 37.

344,765. NON-ELECTRICAL HAIR CURLERS, HAIR WAVERS, WAVE PRESSERS, HAIR STRAPS, HAIR PINS, HAIR BARRETTES, HAIR CLASPS, BOBBY PINS; AND NON-ELECTRICAL CURL PRESSERS, RINGLET CURLERS, RINGLET PRESSERS, RINGLET SETTERS, AND HAIR WINDERS. HAIR NET PACKERS, INC., New York, N. Y.
Filed August 28, 1936. Serial No. 382,665. PUBLISHED JANUARY 12, 1937. Class 40.

344,766. READY-MIXED, PASTE, AND POWDER PAINTS, VARNISHES, PAINT ENAMELS, PAINT COLORS, PAINT STAINS, AND PAINT SIZINGS. THE ALABASTINE COMPANY, Grand Rapids, Mich.
Filed September 8, 1936. Serial No. 383,192. PUBLISHED JANUARY 26, 1937. Class 16.

344,767. SOLUTION OF IODINE IN COLLOIDAL FORM COMPRISING A POWERFUL FUNGICIDE FOR USE IN ACUTE AND CHRONIC AFFECTIONS OF THE EYE, EAR, NOSE, AND THROAT, ETC. MULFORD COLLOID LABORATORIES, Philadelphia, Pa.
Filed September 18, 1936. Serial No. 383,398. PUBLISHED JANUARY 26, 1937. Class 6.

344,768. CHAMOIS SKIN. H. SAKANOVSKY & SONS, INC., Chicago, Ill.
Filed September 21, 1936. Serial No. 383,485. PUBLISHED JANUARY 26, 1937. Class 1.

344,769. MEN'S, WOMEN'S, AND CHILDREN'S SHOES, SLIPPERS, AND SANDALS MADE OF LEATHER, IMITATION LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF SAID MATERIALS. LESTER PINCUS SHOE CORPORATION, New York, N. Y.
Filed September 22, 1936. Serial No. 383,508. PUBLISHED JANUARY 12, 1937. Class 39.

344,770. SWEATERS, BATHING SUITS, KNITTED SKIRTS, KNITTED CAPS, KNITTED COATS. SHEPHERD KNIT-WEAR CO. INC., New York, N. Y.
Filed September 22, 1936. Serial No. 383,510. PUBLISHED JANUARY 26, 1937. Class 39.

344,771. HOSIERY. LE ROI HOSIERY CO. INC., New York, N. Y.
Filed September 23, 1936. Serial No. 383,535. PUBLISHED JANUARY 19, 1937. Class 39.

344,772. RYE BREAD FLAVOR FOR RYE BREAD. LEWIS-MARTIN AND COMPANY, Newark, N. J.
Filed September 24, 1936. Serial No. 383,582. PUBLISHED JANUARY 26, 1937. Class 46.

344,773. FRESH PEARS. OREGON-WASHINGTON PEAR BUREAU, Seattle, Wash.
Filed September 28, 1936. Serial No. 383,747. PUBLISHED JANUARY 19, 1937. Class 46.

344,774. JAWS FOR TONGS AND PIPE VISES. J. H. WILLIAMS & CO., Buffalo, N. Y.
Filed September 29, 1936. Serial No. 383,794. PUBLISHED JANUARY 26, 1937. Class 23.

344,775. TONGS AND PIPE VISES. J. H. WILLIAMS & CO., Buffalo, N. Y.
Filed September 29, 1936. Serial No. 383,795. PUBLISHED JANUARY 26, 1937. Class 23.

344,776. CIGARS. FERNANDEZ, PALICIO Y COMPANIA, S. EN C., Habana, Cuba.
Filed October 3, 1936. Serial No. 383,922. PUBLISHED JANUARY 26, 1937. Class 17.

344,777. SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, FOR MEN, WOMEN, GIRLS, BOYS, AND CHILDREN. RICHARD B. MCCARTHY, Swampscott, Mass.
Filed October 3, 1936. Serial No. 383,932. PUBLISHED JANUARY 19, 1937. Class 39.

344,778. MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS, AND TROUSERS. COHEN, GOLDMAN & CO. INC., New York, N. Y.
Filed October 10, 1936. Serial No. 384,194. PUBLISHED JANUARY 26, 1937. Class 39.

344,779. LEATHER AND FABRIC GLOVES. M. MERLIER, INC., New York, N. Y.
Filed October 10, 1936. Serial No. 384,216. PUBLISHED JANUARY 19, 1937. Class 39.

344,780. SHOES AND SLIPPERS FOR MEN, WOMEN, AND CHILDREN, MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. LION SHOE CO., INC., New York, N. Y.
Filed October 15, 1936. Serial No. 384,381. PUBLISHED JANUARY 19, 1937. Class 39.

344,781. HAIR TONIC. EDWARD G. BUSH, Los Angeles, Calif.
Filed October 16, 1936. Serial No. 384,405. PUBLISHED JANUARY 26, 1937. Class 6.

344,782. LEATHER SHOES. CANNON SHOE COMPANY, Baltimore, Md.
Filed October 19, 1936. Serial No. 384,504. PUBLISHED JANUARY 26, 1937. Class 39.

344,783. DRY CLEANING SOAP. DAVID B. LESSER, doing business as The Benzofoam Products Co., Chicago, Ill.
Filed October 19, 1936. Serial No. 384,539. PUBLISHED JANUARY 26, 1937. Class 4.

344,784. CIGARS. MAZER-CRESSMAN CIGAR CO., Detroit, Mich.
Filed October 19, 1936. Serial No. 384,544. PUBLISHED JANUARY 26, 1937. Class 17.

344,785. CIGARS. MAZER-CRESSMAN CIGAR CO., Detroit, Mich.
Filed October 19, 1936. Serial No. 384,545. PUBLISHED JANUARY 26, 1937. Class 17.

344,786. CANNED VEGETABLES. THE MOHICAN COMPANY, New York, N. Y.
Filed October 19, 1936. Serial No. 384,547. PUBLISHED JANUARY 19, 1937. Class 46.

344,787. FERTILIZERS. BEN FERN SONS, Terrace Park, Ohio.
Filed October 20, 1936. Serial No. 384,584. PUBLISHED JANUARY 26, 1937. Class 10.

344,788. AUTOMOBILE HEATERS OF THE INTERNAL COMBUSTION TYPE. STEWART-WARNER CORPORATION, Chicago, Ill.
Filed October 21, 1936. Serial No. 384,632. PUBLISHED JANUARY 26, 1937. Class 34.

344,789. CAKES. WESCO FOODS COMPANY, Cincinnati, Ohio.
Filed October 21, 1936. Serial No. 384,637. PUBLISHED JANUARY 26, 1937. Class 46.

344,790. POWDERED BANANA PRODUCT TO BE USED EITHER IN FOODS OR MIXED WITH WATER OR MILK AS A DRINK. BANANA PRODUCTS COMPANY, INC., New York, N. Y.
Filed October 22, 1936. Serial No. 384,643. PUBLISHED JANUARY 26, 1937. Class 46.

344,791. BRAID OR LACING. DRITZ-TRAUM COMPANY, INC., New York, N. Y.
Filed October 22, 1936. Serial No. 384,650. PUBLISHED JANUARY 19, 1937. Class 40.

344,792. CRIB SHEETS. NEOTEX MANUFACTURING CO., INC., New York, N. Y.
Filed October 22, 1936. Serial No. 384,666. PUBLISHED JANUARY 26, 1937. Class 42.

344,793. THERMIONIC TUBES AND ELECTRON DISCHARGE DEVICES. FARNSWORTH TELEVISION INCORPORATED, San Francisco, Calif.
Filed October 24, 1936. Serial No. 384,738. PUBLISHED JANUARY 26, 1937. Class 21.

344,794. THERMIONIC TUBES AND ELECTRON DISCHARGE DEVICES. FARNSWORTH TELEVISION INCORPORATED, San Francisco, Calif.
Filed October 24, 1936. Serial No. 384,739. PUBLISHED JANUARY 26, 1937. Class 21.

344,795. THERMIONIC TUBES AND ELECTRON DISCHARGE DEVICES. FARNSWORTH TELEVISION INCORPORATED, San Francisco, Calif.
Filed October 24, 1936. Serial No. 384,740. PUBLISHED JANUARY 26, 1937. Class 21.

344,796. HORTICULTURAL SPRAYS AND CHEMICALS THEREFOR DESTRUCTIVE OF PLANT PARASITES. THE LATIMER-GOODWIN CHEMICAL COMPANY, Grand Junction, Colo.
Filed October 24, 1936. Serial No. 384,752. PUBLISHED JANUARY 26, 1937. Class 6.

344,797. CONFECTION—NAMELY, CANDY. LIBERTY ORCHARDS COMPANY, Cashmere, Wash.
Filed October 24, 1936. Serial No. 384,753. PUBLISHED JANUARY 26, 1937. Class 46.

344,798. WEARING APPAREL FOR BOYS AND GIRLS—NAMELY, OUTER WAISTS, PANTS, NIGHTGOWNS, PAJAMAS, BLOOMERS, UNDERWEAR, HATS, DRESSES, SUITS, AND JACKETS. RUTH STUART WHEELER, doing business as The Children's House, Boston, Mass.
Filed October 24, 1936. Serial No. 384,771. PUBLISHED JANUARY 19, 1937. Class 39.

344,799. MOTION PICTURES. COLUMBIA PICTURES CORPORATION, New York, N. Y.
Filed October 26, 1936. Serial No. 384,786. PUBLISHED JANUARY 26, 1937. Class 26.

344,800. CANNED PEACHES, PEARS, APRICOTS, AND PINEAPPLE, AND BREAKFAST CEREALS. DURAND-MCNEIL-HORNER COMPANY, Chicago, Ill.
Filed October 26, 1936. Serial No. 384,790. PUBLISHED JANUARY 26, 1937. Class 46.

344,801. PORTABLE HAND FIRE EXTINGUISHERS. RED CAP FIRE EXTINGUISHER CO., INC., New York, N. Y., assignor to the firm of Ruth Miller and Rose Cordes, New York, N. Y.
Filed October 26, 1936. Serial No. 384,816. PUBLISHED JANUARY 12, 1937. Class 23.

344,802. GLOVES MADE WHOLLY OR IN PART FROM LEATHER, SKINS, OR FABRIC. TIPPERARY GLOVE FACTORY LIMITED, Tipperary, Irish Free State.
Filed October 27, 1936. Serial No. 384,872. PUBLISHED JANUARY 26, 1937. Class 39.

344,803. COTTON PIECE GOODS, INCLUDING AWNING FABRICS. THE ASTRUP COMPANY, Cleveland, Ohio.
Filed October 28, 1936. Serial No. 384,876. PUBLISHED JANUARY 26, 1937. Class 42.

344,804. ABRADING AND GRINDING MACHINES SUCH AS AUTOMATIC CAM GRINDING MACHINES. NORTON COMPANY, Worcester, Mass.
Filed October 28, 1936. Serial No. 384,905. PUBLISHED JANUARY 26, 1937. Class 23.

344,805. CLEANING COMPOUND CHARACTERIZED BY THE POSSESSION OF WATER SOFTENING PROPERTIES. THE J. B. FORD COMPANY, Wyandotte, Mich.
Filed October 29, 1936. Serial No. 384,925. PUBLISHED JANUARY 26, 1937. Class 4.

344,806. FERTILIZERS. WUICHET PRODUCTS, INC., Dayton, Ohio.
Filed October 29, 1936. Serial No. 384,942. PUBLISHED JANUARY 26, 1937. Class 10.

344,807. COTTON PIECE GOODS, AND PARTICULARLY FOR DUCK, TWILL, SUEDE, JEAN, SATEEN, DRILL, GABARDINE, COTTON BUNTING, DENIM, WHIPCORD, AND SUITING. WELLINGTON SEARS COMPANY, Boston, Mass.
Filed October 30, 1936. Serial No. 384,987. PUBLISHED JANUARY 26, 1937. Class 42.

344,808. BRAKE LEVER EXTENSIONS, STEERING WHEEL KNOBS, AND GEAR SHIFT BALLS. CASCO PRODUCTS CORPORATION, Bridgeport, Conn.
Filed October 31, 1936. Serial No. 384,992. PUBLISHED JANUARY 26, 1937. Class 19.

344,809. SHOES MADE OF LEATHER OR FABRIC OR COMBINATIONS THEREOF. HANAN & SON, INC., New York, N. Y.
Filed October 31, 1936. Serial No. 384,998. PUBLISHED JANUARY 12, 1937. Class 39.

344,810. MEDICINAL PREPARATION FOR THE TREATMENT OF RHEUMATISM, CONSTIPATION, BILIOUSNESS, BLOOD, NERVES, KIDNEY, LIVER, INDIGESTION, STOMACH TROUBLE, HEADACHE, GOUT, LA GRIPPE, GENERAL WEAKNESS, RUNDOWN SYSTEM, AND OTHER INTERIOR DISORDERS. JAMIL AKHTAR, doing business as Taj Perfume Co. and East & West Herbs Laboratory, Detroit, Mich.
Filed November 2, 1936. Serial No. 385,023. PUBLISHED JANUARY 26, 1937. Class 6.

344,811. CANNED VEGETABLES, CANNED VEGETABLE JUICES FOR FOOD PURPOSES. LA JUNTA CANNERS, INC., La Junta, Colo.
Filed November 2, 1936. Serial No. 385,046. PUBLISHED JANUARY 26, 1937. Class 46.

344,812. NON-ELECTRICAL HAIR CURLER. ROSS MCCRAY MCFADDEN, doing business as Hollywood Rapid Dry Curler, Los Angeles, Calif.
Filed November 2, 1936. Serial No. 385,053. PUBLISHED JANUARY 19, 1937. Class 40.

344,813. GASKET MATERIAL, PARTICULARLY MANHOLE CUSHIONS. TROHN'S SUPPLIES, INC., Mamaroneck, N. Y.
Filed November 2, 1936. Serial No. 385,076. PUBLISHED JANUARY 26, 1937. Class 35.

344,814. READY MIXED, PASTE, AND POWDER FORM PAINTS, VARNISHES, AND PAINT ENAMELS. IRONHARD PAINT & COLOR WORKS, LTD., Los Angeles, Calif.
Filed October 30, 1936. Serial No. 385,081. PUBLISHED JANUARY 26, 1937. Class 16.

344,815. MEN'S BELTS AND SUSPENDERS. BROWN & LESTER, INC., New York, N. Y.
Filed November 3, 1936. Serial No. 385,086. PUBLISHED JANUARY 5, 1937. Class 39.

344,816. SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAM, SHAVING STICKS, SHAVING POWDER, ETC. MOE D. HOROWITZ, Atlanta, Ga.
Filed November 3, 1936. Serial No. 385,097. PUBLISHED JANUARY 26, 1937. Class 4.

344,817. WOMEN'S OUTER APPAREL—NAMELY, SUITS, DRESSES, FROCKS, SKIRTS, COATS, BLOUSES, JACKETS, SWEATERS, AND HATS. DORIS HAYES CAVANAUGH, doing business as Doris Hayes, Boston, Mass.
Filed November 5, 1936. Serial No. 385,174. PUBLISHED JANUARY 26, 1937. Class 39.

344,818. WOMEN'S OUTER APPAREL—NAMELY, SUITS, DRESSES, FROCKS, SKIRTS, COATS, BLOUSES, JACKETS, SWEATERS, AND HATS. DORIS HAYES CAVANAUGH, doing business as Doris Hayes, Boston, Mass.
Filed November 5, 1936. Serial No. 385,175. PUBLISHED JANUARY 19, 1937. Class 39.

344,819. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed November 5, 1936. Serial No. 385,176. PUBLISHED JANUARY 26, 1937. Class 42.

344,820. PURIFIED GUM, THUS, ROSIN, AND LIMED ROSIN. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed November 5, 1936. Serial No. 385,184. PUBLISHED JANUARY 26, 1937. Class 1.

344,821. PREPARATION FOR USE IN WAVING HAIR—NAMELY, A PERMANENT WAVING SOLUTION. THE NESTLE-LEMUR COMPANY, New York, N. Y.
Filed November 5, 1936. Serial No. 385,195. PUBLISHED JANUARY 26, 1937. Class 6.

344,822. MILK. STANDARD DAIRIES, INC., Philadelphia, Pa.
Filed November 5, 1936. Serial No. 385,202. PUBLISHED JANUARY 26, 1937. Class 46.

344,823. EYEGLASS MOUNTINGS AND SPECTACLE FRAMES. ARTHUR F. WILLIAMS, St. Paul, Minn.
Filed November 7, 1936. Serial No. 385,272. PUBLISHED JANUARY 26, 1937. Class 26.

344,824. COMBINATION OF DRY STARCHES USED AS ON ADHESIVE IN PASTE FORM. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed November 9, 1936. Serial No. 385,280. PUBLISHED JANUARY 26, 1937. Class 5.

344,825. FABRIC GLOVES. JULIUS KAYSER & CO., New York, N. Y.
Filed November 9, 1936. Serial No. 385,293. PUBLISHED JANUARY 26, 1937. Class 39.

344,826. RAZOR BLADES. JOSEPH LESS, doing business as Department Sales Company, New York, N. Y.
Filed November 9, 1936. Serial No. 385,296. PUBLISHED JANUARY 26, 1937. Class 23.

344,827. CABINETS—NAMELY, TOWEL CABINETS. SIMPLEX CABINET CORPORATION, Detroit, Mich.
Filed November 9, 1936. Serial No. 385,309. PUBLISHED JANUARY 26, 1937. Class 32.

344,828. CURED MINK PELTS. UNITED MINK PRODUCERS ASSOCIATION, Fort Atkinson, Wis.
Filed November 9, 1936. Serial No. 385,316. PUBLISHED JANUARY 26, 1937. Class 1.

344,829. LEATHER SLIPPERS AND/OR SHOES. CANNON SHOE COMPANY, Baltimore, Md.
Filed November 10, 1936. Serial No. 385,332. PUBLISHED JANUARY 12, 1937. Class 39.

344,830. READY MIXED HOUSE PAINT IN PASTE FORM, VARNISH, PAINT ENAMEL, PAINT MIXING OILS, AND A LIQUID MIXING COMPOUND FOR THINNING PASTE PAINTS. THE MAHONING PAINT & OIL COMPANY, Youngstown, Ohio.
Filed November 10, 1936. Serial No. 385,360. PUBLISHED JANUARY 26, 1937. Class 16.

344,831. SOLUTION FOR REMOVING RUST AND SCALE FROM RADIATORS, STERILIZERS, AND THE LIKE. ADHESIVES, INC., Cleveland, Ohio.
Filed November 11, 1936. Serial No. 385,382. PUBLISHED JANUARY 26, 1937. Class 6.

344,832. WOMEN'S AND MISSES' DRESSES, OUTER SKIRTS, BLOUSES, COATS, HATS, AND SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. BONWIT TELLER, INC., New York, N. Y.
Filed November 11, 1936. Serial No. 385,390. PUBLISHED JANUARY 26, 1937. Class 39.

344,833. WHISKEY. GLENMORE DISTILLERIES COMPANY, Louisville, Ky.
Filed November 11, 1936. Serial No. 385,397. PUBLISHED JANUARY 26, 1937. Class 49.

344,834. HOUSEHOLD CLEANER. LULA HOWARD, McAndrews, Ky.
Filed November 12, 1936. Serial No. 385,440. PUBLISHED JANUARY 26, 1937. Class 4.

344,835. ASPIRIN TABLETS, COLD TABLETS, MILK OF MAGNESIA TABLETS. MAGIC-LAX CORP., Newark, N. J.
Filed November 12, 1936. Serial No. 385,444. PUBLISHED JANUARY 26, 1937. Class 6.

344,836. YEAST. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed November 12, 1936. Serial No. 385,454. PUBLISHED JANUARY 26, 1937. Class 46.

344,837. PURE RYE WHISKEY. LIBERTY DISTRIBUTORS, INC., Dundalk, Md.
Filed November 16, 1936. Serial No. 385,465. PUBLISHED JANUARY 26, 1937. Class 49.

344,838. PURE RYE WHISKEY. C. M. TRITSCH, Hagerstown, Md.
Filed November 16, 1936. Serial No. 385,466. PUBLISHED JANUARY 26, 1937. Class 49.

344,839. MEN'S AND WOMEN'S POLO AND SPORT SHIRTS, AND WOMEN'S BLOUSES COMPOSED OF RAYON OR COTTON, OR COMBINATIONS THEREOF. MAYER-STERN, INCORPORATED, Allentown, Pa.
Filed November 13, 1936. Serial No. 385,485. PUBLISHED JANUARY 19, 1937. Class 39.

344,840. WINES. H. NAGELE'S MARKET, Manhasset, Long Island, N. Y.
Filed November 13, 1936. Serial No. 385,488. PUBLISHED JANUARY 26, 1937. Class 47.

344,841. WOMEN'S, MISSES', AND CHILDREN'S WEARING APPAREL—NAMELY, DRESSES, SKIRTS, BLOUSES, SUITS, AND COATS OF SILK, WOOL, RAYON, LINEN, AND COTTON. SPORTS GUILD, INC., New York, N. Y.
Filed November 13, 1936. Serial No. 385,497. PUBLISHED JANUARY 26, 1937. Class 39.

344,842. READY-MIXED PAINTS. VALENTINE & COMPANY, New York, N. Y.
Filed November 13, 1936. Serial No. 385,499. PUBLISHED JANUARY 26, 1937. Class 16.

344,843. WOMEN'S UNDERCLOTHING OF KNITTED OR TEXTILE FABRIC—NAMELY, CORSETS, BRASSIÈRES, COMBINATIONS OF CORSETS AND BRASSIÈRES, GIRDLES, AND STEP-INS. THE WARNER BROTHERS COMPANY, Bridgeport, Conn.
Filed November 13, 1936. Serial No. 385,500. PUBLISHED JANUARY 12, 1937. Class 39.

344,844. SUSPENDERS. CONDOR PRODUCTS, INC., Buffalo, N. Y.
Filed November 14, 1936. Serial No. 385,509. PUBLISHED JANUARY 12, 1937. Class 39.

344,845. BRASSIÈRES, BANDEAUX, CORSETS, CORSELETS, PANTIES, PANTIE-GIRDLES, GIRDLES, AND GARTER-BELTS. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y.
Filed November 14, 1936. Serial No. 385,524. PUBLISHED JANUARY 12, 1937. Class 39.

344,846. GOLD ALLOY FOR WROUGHT GOLD DENTAL ARTICLES. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa.
Filed November 14, 1936. Serial No. 385,546. PUBLISHED JANUARY 26, 1937. Class 44.

344,847. ALE AND BEER. THE GLOBE BREWING COMPANY, Baltimore, Md.
Filed November 16, 1936. Serial No. 385,578. PUBLISHED JANUARY 26, 1937. Class 48.

344,848. ALE. THE GLOBE BREWING COMPANY, Baltimore, Md.
Filed November 16, 1936. Serial No. 385,579. PUBLISHED JANUARY 26, 1937. Class 48.

344,849. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. PARFUMERIE ST. DENIS, New York, N. Y.
Filed November 16, 1936. Serial No. 385,602. PUBLISHED JANUARY 26, 1937. Class 6.

344,850. DOMESTIC AND INDUSTRIAL REFRIGERATION MACHINES AND PARTS THEREOF. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill.
Filed November 16, 1936. Serial No. 385,616. PUBLISHED JANUARY 12, 1937. Class 31.

344,851. LAUNDRY APPLIANCES—NAMELY, DOMESTIC ELECTRIC WASHING MACHINES AND PARTS THEREOF. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill.
Filed November 16, 1936. Serial No. 385,618. PUBLISHED JANUARY 12, 1937. Class 24.

344,852. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed November 17, 1936. Serial No. 385,624. PUBLISHED JANUARY 5, 1937. Class 42.

344,853. RICE. NORMAN WEBB HUTCHINGS, doing business as Rice Sales Company, Mobile, Ala.
Filed November 17, 1936. Serial No. 385,630. PUBLISHED JANUARY 19, 1937. Class 46.

344,854. MOLDED PULP PACKING DEVICES—NAMELY, EGG FLATS AND PACKING SHEETS FOR FRAGILE ARTICLES. KEYES FIBRE COMPANY, Waterville, Maine.
Filed November 17, 1936. Serial No. 385,633. PUBLISHED JANUARY 26, 1937. Class 2.

344,855. MOLDED PULP PACKING DEVICES—NAMELY, EGG FLATS AND PACKING SHEETS FOR FRAGILE ARTICLES. KEYES FIBRE COMPANY, Waterville, Maine.
Filed November 17, 1936. Serial No. 385,634. PUBLISHED JANUARY 26, 1937. Class 2.

344,856. WRAPPING PAPER. ORCHARD PAPER CO., St. Louis, Mo.
Filed November 18, 1936. Serial No. 385,676. PUBLISHED JANUARY 26, 1937. Class 37.

344,857. WRITING PENS, AND DESK SETS COMPRISING INKSTANDS AND WRITING PENS. SENGBUSCH SELF-CLOSING INKSTAND COMPANY, Milwaukee, Wis.
Filed November 18, 1936. Serial No. 385,702. PUBLISHED JANUARY 26, 1937. Class 37.

344,858. YEAST. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed November 18, 1936. Serial No. 385,706. PUBLISHED JANUARY 26, 1937. Class 46.

344,859. CORSETS, CORSELETS, GIRDLES, BRASSIÈRES, AND CORSET STEP-INS. UNIVERSAL BRASSIERE & JUSTRITE CORSET CO. INC., New York, N. Y.
Filed November 18, 1936. Serial No. 385,709. PUBLISHED JANUARY 12, 1937. Class 39.

344,860. MEN'S HATS. DALTON HAT COMPANY, Yonkers, N. Y.
Filed November 19, 1936. Serial No. 385,726. PUBLISHED JANUARY 12, 1937. Class 39.

344,861. WHEAT FLOUR. UNITED BUYERS CORPORATION, Chicago, Ill.
Filed November 19, 1936. Serial No. 385,759. PUBLISHED JANUARY 19, 1937. Class 46.

344,862. CANNED FISH, PARTICULARY CANNED SARDINES. EZEKIEL M. BATTAT, doing business as Battat Import-Export Company, San Francisco, Calif.
Filed November 20, 1936. Serial No. 385,774. PUBLISHED JANUARY 26, 1937. Class 46.

344,863. APPARATUS FOR MEASURING AND RECORDING THE CALORIFIC VALUE OF GASES. CUTLER-HAMMER, INC., Milwaukee, Wis.
Filed November 20, 1936. Serial No. 385,780. PUBLISHED JANUARY 26, 1937. Class 26.

344,864. FRESH VEGETABLES. T. ICHIKAWA, doing business as Salinas Packing Company, Salinas, Calif.
Filed November 20, 1936. Serial No. 385,791. PUBLISHED JANUARY 26, 1937. Class 46.

344,865. WOMEN'S WEARING APPAREL—NAMELY, COATS AND SUITS. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio.
Filed November 20, 1936. Serial No. 385,800. PUBLISHED JANUARY 19, 1937. Class 39.

344,866. MEN'S AND BOYS' UNDERWEAR. SCHINDLER & COMPANY, New York, N. Y.
Filed November 20, 1936. Serial No. 385,807. PUBLISHED JANUARY 19, 1937. Class 39.

344,867. MEN'S SUITS, COATS, JACKETS, AND PANTS. LIBERTY OVERALL CO., doing business as Liberty Trouser Company, Birmingham, Ala.
Filed November 21, 1936. Serial No. 385,849. PUBLISHED JANUARY 26, 1937. Class 39.

344,868. WOMEN'S SLIPPERS OF LEATHER. R. H. MACY & CO., INC., New York, N. Y.
Filed November 21, 1936. Serial No. 385,851. PUBLISHED JANUARY 26, 1937. Class 39.

344,869. VAGINAL DOUCHE POWDER, INTENDED TO BE DISSOLVED IN WATER BEFORE USE. THE NATIONAL DRUG COMPANY, Philadelphia, Pa.
Filed November 21, 1936. Serial No. 385,856. PUBLISHED JANUARY 26, 1937. Class 6.

344,870. LADIES' COLLARS, COLLAR SETS, AND SCARFS. TAUSICK CORPORATION, New York, N. Y.
Filed November 23, 1936. Serial No. 385,913. PUBLISHED JANUARY 12, 1937. Class 39.

344,871. CONTAINERS FOR BABY CHICKS. WESTERN CONTAINERS, INC., Seattle, Wash.
Filed November 23, 1936. Serial No. 385,918. PUBLISHED JANUARY 26, 1937. Class 2.

344,872. SUITS, COATS, VESTS, PANTS, OVERCOATS, AND TOPCOATS FOR MEN. S. MAKRANSKY & SONS, Philadelphia, Pa.
Filed November 24, 1936. Serial No. 385,931. PUBLISHED JANUARY 26, 1937. Class 39.

344,873. GRITS, WHITE AND YELLOW CORNMEAL, READY-MIX BUCKWHEAT, CORN AND WHEAT FLOUR, AND READY-MIX PANCAKE FLOUR. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed November 24, 1936. Serial No. 385,940. PUBLISHED JANUARY 26, 1937. Class 46.

344,874. DOOR HOLDERS. WILLIAM JENNINGS BUTTS, New York, N. Y.
Filed November 25, 1936. Serial No. 385,968. PUBLISHED JANUARY 26, 1937. Class 13.

344,875. FEEDS FOR LIVE STOCK. A. A. NIXON & COMPANY, Omaha, Nebr.
Filed November 25, 1936. Serial No. 385,988. PUBLISHED JANUARY 26, 1937. Class 46.

344,876. MEN'S, WOMEN'S, AND BOYS' NECKTIES. ARTHUR SIEGMAN, INC., New York, N. Y.
Filed November 25, 1936. Serial No. 385,994. PUBLISHED JANUARY 26, 1937. Class 39.

344,877. TEA. GERMANIA TEA COMPANY, Minneapolis, Minn.
Filed November 27, 1936. Serial No. 386,023. PUBLISHED JANUARY 26, 1937. Class 46.

344,878. SKIN CREAM. HIRESTRA LABORATORIES, INC., New York, N. Y.
Filed November 27, 1936. Serial No. 386,029. PUBLISHED JANUARY 26, 1937. Class 6.

344,879. TRAILERS. CLARENCE M. LUTES, doing business as The Kozy Coach Co., Kalamazoo, Mich.
Filed November 27, 1936. Serial No. 386,039. PUBLISHED JANUARY 26, 1937. Class 19.

344,880. MOPS. MIDWAY CHEMICAL COMPANY, Chicago, Ill.
Filed November 24, 1936. Serial No. 386,062. PUBLISHED JANUARY 26, 1937. Class 29.

344,881. STYPTIC CREAM. GENERAL COSMETICS CORPORATION, New York, N. Y.
Filed November 28, 1936. Serial No. 386,076. PUBLISHED JANUARY 26, 1937. Class 6.

344,882. HAIR AND SCALP PREPARATION. ROBERT RICHMAN, New York, N. Y.
Filed November 28, 1936. Serial No. 386,084. PUBLISHED JANUARY 26, 1937. Class 6.

344,883. RAYON PIECE GOODS. ARTHUR BEIR & CO., INC., New York, N. Y.
Filed November 30, 1936. Serial No. 386,094. PUBLISHED JANUARY 26, 1937. Class 42.

344,884. ALE. FOREST CITY BREWERY, INC., Cleveland, Ohio.
Filed December 1, 1936. Serial No. 386,157. PUBLISHED JANUARY 26, 1937. Class 48.

344,885. CHILDREN'S, MISSES', AND WOMEN'S OUTER GARMENTS—NAMELY, DRESSES, COATS, AND SUITS. MORRIS SOBELMAN, doing business as Perfect Garment Company, Baltimore, Md.
Filed December 1, 1936. Serial No. 386,177. PUBLISHED JANUARY 26, 1937. Class 39.

344,886. BISCUITS. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va.
Filed December 1, 1936. Serial No. 386,178. PUBLISHED JANUARY 26, 1937. Class 46.

344,887. WATCHES AND ATTACHED BRACELETS SOLD AS A UNIT. BENRUS WATCH COMPANY, New York, N. Y.
Filed December 2, 1936. Serial No. 386,187. PUBLISHED JANUARY 26, 1937. Class 27.

344,888. WATCHES AND ATTACHED BRACELETS SOLD AS A UNIT. BENRUS WATCH COMPANY, New York, N. Y.
Filed December 2, 1936. Serial No. 386,188. PUBLISHED JANUARY 26, 1937. Class 27.

344,889. WATCHES AND ATTACHED BRACELETS SOLD AS A UNIT. BENRUS WATCH COMPANY, New York, N. Y.
Filed December 2, 1936. Serial No. 386,189. PUBLISHED JANUARY 26, 1937. Class 27.

344,890. WATCHES AND ATTACHED BRACELETS SOLD AS A UNIT. BENRUS WATCH COMPANY, New York, N. Y.
Filed December 2, 1936. Serial No. 386,190. PUBLISHED JANUARY 26, 1937. Class 27.

344,891. WATCHES AND ATTACHED BRACELETS SOLD AS A UNIT. BENRUS WATCH COMPANY, New York, N. Y.
Filed December 2, 1936. Serial No. 386,191. PUBLISHED JANUARY 26, 1937. Class 27.

344,892. WATCHES AND ATTACHED BRACELETS SOLD AS A UNIT. BENRUS WATCH COMPANY, New York, N. Y.
Filed December 2, 1936. Serial No. 386,193. PUBLISHED JANUARY 26, 1937. Class 27.

344,893. WATCHES AND ATTACHED BRACELETS SOLD AS A UNIT. BENRUS WATCH COMPANY, New York, N. Y.
Filed December 2, 1936. Serial No. 386,194. PUBLISHED JANUARY 26, 1937. Class 27.

344,894. WATCHES AND ATTACHED BRACELETS SOLD AS A UNIT. BENRUS WATCH COMPANY, New York, N. Y.
Filed December 2, 1936. Serial No. 386,196. PUBLISHED JANUARY 26, 1937. Class 27.

344,895. ICE CREAM MIX. THE BORDEN COMPANY, New York, N. Y.
Filed December 2, 1936. Serial No. 386,199. PUBLISHED JANUARY 26, 1937. Class 46.

344,896. DISTILLED WHISKEY. ILLINOIS HOTELS FOUNDATION, INC., Chicago, Ill.
Filed December 2, 1936. Serial No. 386,211. PUBLISHED JANUARY 26, 1937. Class 49.

344,897. EYE LOTION. THE LUCIDIN COMPANY, INC., New York, N. Y.
Filed December 2, 1936. Serial No. 386,215. PUBLISHED JANUARY 26, 1937. Class 6.

344,898. TYPEWRITER AND OTHER INKED RIBBONS. HENRY S. BLUMENTHAL, Jackson Heights, N. Y.
Filed December 3, 1936. Serial No. 386,242. PUBLISHED JANUARY 26, 1937. Class 11.

344,899. HAND BAGS AND POUCHES. COLUMBIA PLUSH & PUFF CO., INC., Brooklyn, N. Y.
Filed December 3, 1936. Serial No. 386,245. PUBLISHED JANUARY 26, 1937. Class 3.

344,900. GAME PLAYED WITH CARDS, DICE, AND PAWNS. HARLEY J. MCALLISTER, St. Paul, Minn.
Filed December 3, 1936. Serial No. 386,264. PUBLISHED JANUARY 26, 1937. Class 22.

344,901. COTTON PIECE GOODS. OTIS COMPANY, Three Rivers, Mass.
Filed December 3, 1936. Serial No. 386,267. PUBLISHED JANUARY 26, 1937. Class 42.

344,902. BILLIARD CUES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,343. PUBLISHED JANUARY 26, 1937. Class 22.

344,903. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed December 5, 1936. Serial No. 386,361. PUBLISHED JANUARY 26, 1937. Class 42.

344,904. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed December 5, 1936. Serial No. 386,362. PUBLISHED JANUARY 26, 1937. Class 42.

344,905. WOOLEN, WORSTED, CAMEL'S HAIR, WOVEN AND KNITTED PIECE GOODS. JOHN L. WALTHER, New York, N. Y.
Filed December 5, 1936. Serial No. 386,386. PUBLISHED JANUARY 26, 1937. Class 42.

344,906. COTTON PIECE GOODS, PILLOW CASES, AND SHEETS. WAMSUTTA MILLS, New Bedford, Mass.
Filed December 7, 1936. Serial No. 386,464. PUBLISHED JANUARY 26, 1937. Class 42.

344,907. ROLLER SKATES. HARRY N. DRUCKER, Cincinnati, Ohio.
Filed December 12, 1936. Serial No. 386,678. PUBLISHED JANUARY 26, 1937. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

344,908. (CLASS 39. CLOTHING.) STAR DRY GOODS CO., INC., Worcester, Mass. Filed Oct. 18, 1935. Serial No. 370,533.

Lancaster

KNITGOODS

For Knit Goods—Namely, Sweaters, Gloves, Mittens, and Bathing Suits.
Claims use since May, 1934.

344,909. (CLASS 39. CLOTHING.) STRAUS, ROYER & STRASS, INC., Baltimore, Md. Filed Jan. 27, 1936. Serial No. 374,169.

plafrock

For Women's, Misses', and Children's Dresses, Shirts, Shorts, Blouses, Gym Bloomers, Skirts, Suits, Middy Blouses, Jackets, Blazers, Pajamas, Slacks, Vests, Vestees, Knickers, Tuxedo and Running Pants, Playsuits, Sunsuits, and Rompers.
Claims use since Jan. 11, 1936.

344,910. (CLASS 39. CLOTHING.) TRI-L UNDERWEAR CORPORATION, New York, N. Y. Filed Jan. 30, 1936. Serial No. 374,305.

Tareless

For Women's Underwear—Namely, Slips, Chemises, Panties, Brassières, Nightgowns, and Pajamas.
Claims use since Jan. 23, 1936.

344,911. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) NEW ART STUDIOS, New York, N. Y. Filed Jan. 31, 1936. Serial No. 374,340.

"LOOP IT"

For Packet Containing Materials and Forms for the Making of Chenille Ornaments, and for Handmade Chenille Ornaments for Use on Garments and Other Decorative Purposes.
Claims use since Jan. 27, 1936.

344,912. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Feb. 4, 1936. Serial No. 374,453.

KinKifreez

For Mohair Pile Fabrics in the Piece.
Claims use since Jan. 23, 1936.

344,913. (CLASS 39. CLOTHING.) PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed Feb. 7, 1936. Serial No. 374,600.

CORDWEAR

For Hosiery.
Claims use since Jan. 21, 1936.

344,914. (CLASS 39. CLOTHING.) MANHATTAN UNDERGARMENT CO., INC., New York, N. Y. Filed Feb. 17, 1936. Serial No. 374,933.



For Ladies' Slips, Brassières, and Underwear.
Claims use since Jan. 2, 1935.

344,915. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ONONDAGA SILK COMPANY, INC., New York, N. Y. Filed Feb. 18, 1936. Serial No. 374,980.

Babar

For Silk Piece Goods.
Claims use since Feb. 7, 1936.

344,916. (CLASS 39. CLOTHING.) INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind. Filed Feb. 27, 1936. Serial No. 375,297.

A1

For Work Gloves and Work Mittens of Fabric, Leather, and Combinations Thereof.
Claims use since Feb. 17, 1936.

344,917. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) MAY OIL BURNER CORPORATION, Baltimore, Md. Filed Mar. 23, 1936. Serial No. 376,293.

HEAT-AN-AIRE

For Air Conditioning Units and Parts Thereof.
Claims use since Feb. 11, 1936.

344,918. (CLASS 39. CLOTHING.) JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Apr. 13, 1936. Serial No. 377,174.

Kensington

For Women's and Children's Felt, Straw, Cloth, Fur, Linen, Plush, and Suede Hats and Caps.
Claims use since Feb. 12, 1936.

344,919. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BOURJOIS, INC., New York, N. Y. Filed Apr. 15, 1936. Serial No. 377,210.

MANSFIELD

For Shaving Cream and Brushless Shaving Cream.
Claims use since Feb. 14, 1936.

344,920. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. R. GRACE & CO., New York, N. Y. Filed May 1, 1936. Serial No. 377,896.

GRACE FINE

For Coffee.
Claims use since Jan. 1, 1927.

344,921. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. R. GRACE & CO., New York, N. Y. Filed May 1, 1936. Serial No. 377,898.

GRACE FANTASIA

For Coffee.
Claims use since Jan. 1, 1927.

344,922. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SOUTH BEND BAIT COMPANY, South Bend, Ind. Filed July 29, 1936. Serial No. 381,586.

The Balanced Reel

For Fishing Reels.
Claims use since May 25, 1935.

344,923. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELDERWOOD CITRUS ASSOCIATION, Elderwood, Calif. Filed Aug. 18, 1936. Serial No. 382,306.

GENUINE

For Fresh Citrus Fruits.
Claims use since Nov. 27, 1923.

344,924. (CLASS 39. CLOTHING.) A. I. NAMM & SON, doing business as The Namm Store, Brooklyn, N. Y. Filed Sept. 12, 1936. Serial No. 383,174.

Sturd-i-form

For Shoes, Slippers, and Boots of Leather, Rubber, Fabric, Leather and Rubber, Leather and Fabric, or Rubber and Fabric; Overshoes and Shoe Findings—Namely, Heels, Inner and Outer Soles, Uppers, Tongues and Toe Caps, for Men, Women, and Children.
Claims use since Sept. 1, 1935.

344,925. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EDWARD N. BUTZ, doing business as Minute Man Products Co., Hartford, Conn. Filed Sept. 10, 1936. Serial No. 383,195.

ACQUERWAX



For Automobile Polish.
Claims use since Jan. 1, 1934.

344,926. (CLASS 10. FERTILIZERS.) H. WEIL & BROS., doing business as Weil's Fertilizer Works, Goldsboro, N. C. Filed Oct. 1, 1936. Serial No. 383,857.

RIPENS RIGHT

For Fertilizer.
Claims use since Mar. 1, 1936.

344,927. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KENTUCKY PARFAY CO., INCORPORATED, Louisville, Ky. Filed Oct. 12, 1936. Serial No. 384,258.

Just Kentucky

For Whiskey.
Claims use since June, 1935.

344,928. (CLASS 39. CLOTHING.) NORMANDIN BROS. Co., Los Angeles, Calif. Filed Nov. 28, 1936. Serial No. 386,082.

Hollywood-Robe

For Robes for Men, Women, and Children, and Beach and Sports Wear—Namely, Slacks, Playsuits, and Shorts.
Claims use since Jan. 2, 1933.

344,929. (CLASS 39. CLOTHING.) CHILD-FORME SHOE CO. INC., Brooklyn, N. Y. Filed Dec. 2, 1936. Serial No. 386,204.

CHILD-FORME

For Shoes of Leather, Rubber, or Fabric, or of Combinations of Those Materials, for Children, Misses, and Young Men.
Claims use since Oct. 28, 1935.

344,930. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOWARD STOLZENBACH, Baltimore, Md. Filed Dec. 7, 1936. Serial No. 386,568.

EVERSHARP
CHEESE
H. STOLZENBACH

For Cheese.
Claims use since Sept. 25, 1934.

344,931. (CLASS 39. CLOTHING.) LOUIS MEYERS & SON, INC., New York, N. Y. Filed Dec. 15, 1936. Serial No. 386,769.

Parisuede

For Ladies', Men's, and Children's Leather Gloves.
Claims use since Aug. 10, 1935.

344,932. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Dec. 21, 1936. Serial No. 386,992.

Shubcord

For Piece Goods of Cotton, Rayon, Silk, Wool, and/or Combinations Thereof.
Claims use since Oct. 1, 1933.

344,933. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BENJAMIN K. ALLEN, doing business as Allen Manufacturing Co., Memphis, Tenn. Filed Jan. 7, 1937. Serial No. 387,530.

BIG COLA

For Nonalcoholic Beverages and a Syrup for Making the Same.
Claims use since Dec. 15, 1934.

344,934. (CLASS 39. CLOTHING.) POIRETTE CORSETS INC., New York, N. Y. Filed Jan. 7, 1937. Serial No. 387,556.

Detaché

For Foundation Garments, Corsets, Brassières, and Combinations of the Same.
Claims use since July, 1927.

344,935. (CLASS 39. CLOTHING.) POIRETTE CORSETS, INC., New York, N. Y. Filed Jan. 7, 1937. Serial No. 387,557.

Dual Stretch

For Foundation Garments, Corsets, Brassières, and Combinations of the Same.
Claims use since Feb. 15, 1932.

344,936. (CLASS 39. CLOTHING.) BROOKS BROTHERS, New York, N. Y. Filed Jan. 12, 1937. Serial No. 387,698.

Rosebery

For Collars.
Claims use since February, 1913.

344,937. (CLASS 39. CLOTHING.) MILTON UNDERGARMENT CO., INC., Brooklyn, N. Y. Filed Jan. 18, 1937. Serial No. 387,915.

STRAIN PRUFE

For Ladies' and Misses' Chemises, Negligees, Slips, Panties, Shorts, Vests, Brassières, Bloomers, Nightgowns, and Pajamas, Made of Knitted, Netted, or Woven Textile Fabrics of Cotton, Linen, Silk, Artificial Silk, and All Mixtures or Combinations of Said Materials.
Claims use since Dec. 2, 1935.

344,938. (CLASS 2. RECEPTACLES.) PACIFIC CAN Co., Reno, Nev. Filed Feb. 10, 1937. Serial No. 389,004.

Kan-Kegs

For Tin Cans.
Claims use since Dec. 4, 1935.

344,939. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. A. ROBE, doing business as Tungsten Spark Plug Manufacturing Company, Chicago, Ill. Filed June 3, 1936. Serial No. 379,459.

TUNGSTEN

For Spark Plugs.
Claims use since June 20, 1935.

344,940. (CLASS 37. PAPER AND STATIONERY.) SCHORSCH & CO., INC., New York, N. Y. Filed Feb. 25, 1936. Serial No. 375,226.

RITZ

For Wrapping Papers.
Claims use since Feb. 7, 1936.

344,941. (CLASS 2. RECEPTACLES.) SCHORSCH & CO., INC., New York, N. Y. Filed Feb. 21, 1936. Serial No. 375,098.

RITZ

For Paper Bags and Merchandise Envelopes.
Claims use since Feb. 14, 1936.

TRADE-MARK REGISTRATIONS RENEWED

14,187. PERFUMERY. Registered March 22, 1887. EMILE MEYER, Paris, France. Re-renewed March 22, 1937, to Pinaud Incorporated, New York, N. Y., a corporation of New York, successor.

14,209. PERFUMERY IN ESSENCES, EXTRACTS, DILUTIONS, AND POWDERS AND COMBINATIONS THEREOF IN SOAPS, OILS, COSMETICS, AND TOILET POWDERS. Registered March 29, 1887. EMILE MEYER, Paris, France, and New York, N. Y. Renewed March 29, 1937, to Pinaud Incorporated, New York, N. Y., a corporation of New York, successor.

14,210. A LIQUID DRESSING FOR THE HAIR. Registered March 29, 1887. EMILE MEYER, Paris, France, and New York, N. Y. Re-renewed March 29, 1937, to Pinaud Incorporated, New York, N. Y., a corporation of New York, successor.

14,211. PERFUMERY IN ESSENCES, EXTRACTS, DILUTIONS, AND POWDERS AND COMBINATIONS THEREOF IN SOAPS, OILS, COSMETICS, AND TOILET POWDERS. Registered March 29, 1887. EMILE MEYER, Paris, France, and New York, N. Y. Renewed March 29, 1937, to Pinaud Incorporated, New York, N. Y., a corporation of New York, successor.

14,212. PERFUMERY IN ESSENCES, EXTRACTS, DILUTIONS, AND POWDERS AND COMBINATIONS THEREOF IN SOAPS, OILS, COSMETICS, AND TOILET POWDERS. Registered March 29, 1887. EMILE MEYER, Paris, France, and New York, N. Y. Renewed March 29, 1937, to Pinaud Incorporated, New York, N. Y., a corporation of New York, successor.

14,213. PERFUMERY IN ESSENCES, EXTRACTS, DILUTIONS, AND POWDERS AND COMBINATIONS THEREOF IN SOAPS, OILS, AND COSMETICS. Registered March 29, 1887. EMILE MEYER, Paris, France, and New York, N. Y. Re-renewed March 29, 1937, to Pinaud Incorporated, New York, N. Y., a corporation of New York, successor.

113,837. FURNACES FOR HEATING BUILDINGS. Registered October 31, 1916. UTICA HEATER CO., Utica, N. Y. Renewed October 31, 1936, to Richardson & Boynton Company, New York, N. Y., a corporation of New York, assignee.

113,920. MATTRESSES. Registered November 7, 1916. SOUTHERN BEDDING MANUFACTURING CO. Renewed November 7, 1936, to James E. Griffith, doing business as Southern Bedding Mfg. Co., Austin, Tex., successor.

115,368. CANDY. Registered February 6, 1917. MILLER-ELMER MANUFACTURING CO., LTD. Renewed February 6, 1937, to Sun-Maid Chocolate Covered Raisins, Inc., New Orleans, La., a corporation of Delaware, assignee by mesne assignments.

115,539. TANKS, AND TANKS FOR HOT WATER, COMMONLY KNOWN AS STAND OR RANGE BOILERS. Registered February 20, 1917. RIVERSIDE BOILER WORKS, INC., Cambridgeport, Mass. Renewed February 20, 1937, to Riverside Boiler Works, Inc., Cambridge, Mass., a corporation of Massachusetts.

115,574. CERTAIN NAMED CUTLERY, MACHINERY, AND TOOLS. Registered February 27, 1917. ARMSTRONG BROS. TOOL CO., Chicago, Ill., a corporation of Illinois. Renewed February 27, 1937.

115,658. BOOTS AND SHOES OF LEATHER, RUBBER, FELT, OR OTHER FABRIC CONSTRUCTION. Registered February 27, 1917. THOMAS G. PLANT COMPANY. Renewed February 27, 1937, to Thomas G. Plant Corporation, Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

115,686. CANNED FISH, CANNED VEGETABLES, CANNED FRUITS, AND PRESERVED FRUITS. Registered February 27, 1917. STROHMEYER & ARPE COMPANY, New York, N. Y., a corporation of New York. Renewed February 27, 1937.

115,703. HOSIERY. Registered February 27, 1917. A. V. VICTORIUS & Co. Renewed February 27, 1937, to M. L. Victorius & Co. Inc., New York, N. Y., a corporation of New York, successor.

115,816. CORNMEAL, CREAM-MEAL, AND GRITS. Registered March 6, 1917. SOUTH TEXAS GRAIN COMPANY. Renewed March 6, 1937, to South Texas Feed Company, Houston, Tex., a corporation of Texas, assignee.

115,909. PICTURE-CORD, WIRE ROPES AND CABLES. Registered March 20, 1917. WRIGHT WIRE COMPANY, Worcester, Mass. Renewed March 20, 1937, to Edward C. Bowers and Charles L. Feldman, trustees of Wickwire Spencer Steel Company, New York, N. Y., a corporation of Delaware, successor.

116,009. DYES. Registered March 27, 1917. SUNSET SOAP DYE COMPANY, New Rochelle, N. Y. Renewed March 27, 1937, to North American Dye Corporation, Mount Vernon, N. Y., a corporation of New York, assignee.

116,030. CAMBRICS, NAINSOOKS, AND MUSLINS IN THE PIECE. Registered April 3, 1917. BALTIMORE BARGAIN HOUSE, Baltimore, Md. Renewed April 3, 1937, to Butler Brothers, Chicago, Ill., a corporation of Illinois, successor.

116,117. WEIGHING-SCALES. Registered April 10, 1917. JOHN CHATILLON & SONS, New York, N. Y., a corporation of New York. Renewed April 10, 1937.

116,250. DYES. Registered April 17, 1917. SUNSET SOAP DYE COMPANY, New Rochelle, N. Y. Renewed April 17, 1937, to North American Dye Corporation, Mount Vernon, N. Y., a corporation of New York, assignee.

116,363. WHEAT FEED. Registered April 24, 1917. RUSSELL-MILLER MILLING CO. Renewed April 24, 1937, to Russell-Miller Milling Co., Minneapolis, Minn., a corporation of Delaware, assignee.

116,364. WHEAT-FLOUR. Registered April 24, 1917. RUSSELL-MILLER MILLING CO. Renewed April 24, 1937, to Russell-Miller Milling Co., Minneapolis, Minn., a corporation of Delaware, assignee.

116,365. WHEAT-FLOUR. Registered April 24, 1917. RUSSELL-MILLER MILLING CO. Renewed April 24, 1937, to Russell-Miller Milling Co., Minneapolis, Minn., a corporation of Delaware, assignee.

116,401. WEIGHING-SCALES. Registered May 1, 1917. JOHN CHATILLON & SONS, New York, N. Y., a corporation of New York. Renewed May 1, 1937.

116,588. ABDOMINAL BELTS OR SUPPORTS. Registered May 15, 1917. SAMUEL H. CAMP. Renewed May 15, 1937, to S. H. Camp & Company, Jackson, Mich., a corporation of Michigan, assignee.

116,592. WEIGHING-SCALES. Registered May 15, 1917. JOHN CHATILLON & SONS, New York, N. Y., a corporation of New York. Renewed May 15, 1937.

116,593. WEIGHING-SCALES. Registered May 15, 1917. JOHN CHATILLON & SONS, New York, N. Y., a corporation of New York. Renewed May 15, 1937.

116,596. GARBAGE-PAILS, GARBAGE-CANS, AND CANS USED IN MAKING ARTIFICIAL ICE. Registered May 15, 1917. THE CINCINNATI GALVANIZING COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed May 15, 1937.

116,616. CERTAIN NAMED ARTICLES MADE OF PRECIOUS MATERIALS—NAMELY, GOLD, ROLLED-GOLD PLATE, OR SILVER. Registered May 15, 1917. ELGIN AMERICAN MANUFACTURING CO. Renewed May 15, 1937, to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois, assignee.

116,621. A PEANUT-BUTTER AND HONEY FOOD COMPOUND. Registered May 15, 1917. DILMAN C. GILHAM, Schuylkill Haven, Pa. Renewed May 15, 1937.

116,671. HEMMED DIAPERS. Registered May 15, 1917. THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of New Jersey. Renewed May 15, 1937.

116,883. WEIGHING-SCALES. Registered June 5, 1917. JOHN CHATILLON & SONS, New York, N. Y., a corporation of New York. Renewed June 5, 1937.

116,912. PERFUMES, TOILET WATERS, ROUGE, FACE-CREAMS, FACE AND SACHET POWDERS, AND DENTAL CREAM. Registered June 5, 1917. MARICATTE ET CIE. Renewed June 5, 1937, to Kiefer-Stewart Company, Indianapolis, Ind., a corporation of Indiana, assignee.

116,981. DRIERS FOR DRIVING OFF FREE MOISTURE FROM VARIOUS MATERIALS. Registered June 5, 1917. RUGGLES-COLES ENGINEERING CO., New York, N. Y., Chicago, Ill., and York, Pa. Renewed June 5, 1937, to Hardinge Company, Incorporated, York, Pa., a corporation of New York, assignee.

116,984. RAWHIDE AND LACE LEATHER. Registered June 5, 1917. CHAS. A. SCHIEREN COMPANY, New York, N. Y., a corporation of New York. Renewed June 5, 1937.

117,034. CERTAIN NAMED FOODS. Registered June 12, 1917. GENANT & FLACHSLAND. Renewed June 12, 1937, to Bentley, Settle & Co. Inc., Syracuse, N. Y., a corporation of New York, assignee by mesne assignments.

117,179. WHEAT-FLOUR. Registered June 19, 1917. MAUSER MILL COMPANY, Laurys Station, Pa. Renewed June 19, 1937, to Mauser Mill Company, Treichlers, Pa., a corporation of Pennsylvania.

117,180. WHEAT-FLOUR. Registered June 19, 1917. MAUSER MILL COMPANY, Laurys Station, Pa. Renewed June 19, 1937, to Mauser Mill Company, Treichlers, Pa., a corporation of Pennsylvania.

117,181. WHEAT-FLOUR. Registered June 19, 1917. MAUSER MILL COMPANY, Laurys Station, Pa. Renewed June 19, 1937, to Mauser Mill Company, Treichlers, Pa., a corporation of Pennsylvania.

117,227. DRIED FISH AND PARTICULARLY COD-FISH. Registered June 19, 1917. UNION FISH COMPANY, San Francisco, Calif., a corporation of California. Renewed June 19, 1937.

117,327. STENCIL-CUTTING MACHINES. Registered July 3, 1917. IDEAL STENCIL MACHINE COMPANY, Belleville, Ill., a corporation of Illinois. Renewed July 3, 1937.

117,441. SILK PIECE GOODS. Registered July 10, 1917. M. HEMINWAY & SONS SILK CO., Watertown, Conn. Renewed July 10, 1937, to Belding Heminway Company, New York, N. Y., a corporation of Connecticut.

117,907. CERTAIN NAMED FOODS. Registered August 7, 1917. M. O'CONNOR & COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed August 7, 1937.

117,957. BLENDED WHEAT AND RYE FLOUR. Registered August 7, 1917. WASHBURN CROSBY COMPANY. Renewed August 7, 1937, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

117,976. CERTAIN NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered August 14, 1917. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y., a corporation of New York. Renewed August 14, 1937.

118,009. READY-MIXED AND PASTE PAINT. Registered August 14, 1917. THE DUQUESNE PAINT COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed August 14, 1937.

118,037. PAINTS, READY-MIXED. Registered August 14, 1917. JAMES HERMISTON MANUFACTURING COMPANY. Renewed August 14, 1937, to Walles Dove-Hermiston Corporation, New York, N. Y., a corporation of New York, assignee.

118,107. CERTAIN NAMED CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF. Registered August 14, 1917. THOMSON MACHINE COMPANY, Belleville, N. J., a corporation of New Jersey. Renewed August 14, 1937.

118,159. A SAFETY-FUSE. Registered August 21, 1917. COAST MANUFACTURING & SUPPLY CO., Livermore, Calif., a corporation of Delaware. Renewed August 21, 1937.

LABELS

REGISTERED APRIL 6, 1937

49,148.—*Title:* PERFECT. For Full Range Recordings. AMERICAN RECORD CORPORATION, New York, N. Y. Published September 14, 1936.

49,149.—*Title:* BONDED & INSURED SAFETY TREADS. For Safety Treads for Stairs and the Like. BEAUCRAFT CORPORATION, Garfield, N. J. Published January 1, 1936.

49,150.—*Title:* OLD MR. BOSTON. For Grapefruit Fruit Flavored Gin. BEN-BURK, INC., Boston, Mass. Published February 2, 1937.

49,151.—*Title:* OLD MR. BOSTON. For Lime Flavored Gin. BEN-BURK, INC., Boston, Mass. Published February 2, 1937.

49,152.—*Title:* OLD MR. BOSTON. For Loganberry Flavored Gin. BEN-BURK, INC., Boston, Mass. Published February 2, 1937.

49,153.—*Title:* OLD MR. BOSTON. For Mint Flavored Gin. BEN-BURK, INC., Boston, Mass. Published February 2, 1937.

49,154.—*Title:* OLD MR. BOSTON. For Pineapple Flavored Gin. BEN-BURK, INC., Boston, Mass. Published February 2, 1937.

49,155.—*Title:* OLD MR. BOSTON. For Raspberry Flavored Gin. BEN-BURK, INC., Boston, Mass. Published February 2, 1937.

49,156.—*Title:* OLD MR. BOSTON. For Strawberry Flavored Gin. BEN-BURK, INC., Boston, Mass. Published February 2, 1937.

49,157.—*Title:* OLD MR. BOSTON. For Wild Cherry Flavored Gin. BEN-BURK, INC., Boston, Mass. Published February 2, 1937.

49,158.—*Title:* PINTO. For Smoking Tobacco. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Published February 16, 1937.

49,159.—*Title:* AUTOMATIC CIGAR LIGHTER. For Electric Cigar Lighters. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Published February 8, 1937.

49,160.—*Title:* AUTOMATIC CIGAR LIGHTER. For Electric Cigar Lighters. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Published February 8, 1937.

49,161.—*Title:* OLD GERMAN. For Beer. THE CLASS & NACHOD BREWING CO., Philadelphia, Pa. Published January 7, 1937.

49,162.—*Title:* BERKSHIRE. For Fertilizer. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md. Published February 27, 1937.

49,163.—*Title:* ESSLINGER'S. For Brown Stout. ESSLINGER'S INC., Philadelphia, Pa. Published February 16, 1937.

49,164.—*Title:* ESSLINGER'S. For Porter. ESSLINGER'S INC., Philadelphia, Pa. Published February 16, 1937.

49,165.—*Title:* THE OYSTER WITH THAT HEALTHY WHOLESOME FRINGE. For Fresh Oysters. GENERAL BY-PRODUCTS CO., doing business as Glacier Bay Oyster Co., South Bend and Seattle, Wash. Published December 28, 1936.

49,166.—*Title:* SKY PILOT SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 4, 1936.

49,167.—*Title:* VI-TAL-IKS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 16, 1936.

49,168.—*Title:* RITZY GIRL. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 1, 1936.

49,169.—*Title:* POISE MODELLE. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 15, 1936.

49,170.—*Title:* HUB-ETTES SMART SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 30, 1936.

49,171.—*Title:* WEBB'S SCIENTIFIC TRED. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 19, 1936.

49,172.—*Title:* BLUE BEAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 5, 1936.

49,173.—*Title:* CYNO-TABS. For Medicinal Tablets. MATTHEWS DRUG CO. INC., Albany, N. Y. Published January 5, 1937.

49,174.—*Title:* SHREDDED WHEAT. For Whole Wheat Biscuits. NATIONAL BISCUIT COMPANY, New York, N. Y. Published January 1, 1937.

49,175.—*Title:* CREAM OF NUTS. For Homogenized Nut Food Products. NUNUT FOODS, INC., Plainwell, Mich. Published December 3, 1936.

49,176.—*Title:* WHITE LABEL. For California Tokay Wine. PACKARD-BAMBERGER & CO., INC., Hackensack, N. J. Published January 4, 1936.

49,177.—*Title:* BURNEZE EASES BURNS. For Specific for Burns. RELIABLE LABORATORIES, INC. Albuquerque, N. Mex. Published December 11, 1936.

49,178.—*Title:* BARCLAY BRAND, OLD COUNTRY STYLE. For Fruit Preserves. RONNA MAY COMPANY, South Boston, Mass. Published May 20, 1936.

49,179.—*Title:* GLORIETTA. For Canned Tomato Juice. SANTA CLARA PACKING COMPANY, San Jose, Calif. Published July 9, 1936.

49,180.—*Title:* OLD NICK. For Candy Bars. SCHUTTER CANDY COMPANY, Chicago, Ill. Published March 1, 1937.

49,181.—*Title:* SCHRAFFT'S GOLD CHEST. For Chocolates. FRANK G. SHATTUCK COMPANY, New York, N. Y. Published February 16, 1937.

49,182.—*Title:* A. E. F. For a Blended Whiskey. ALBERT M. SIMONS, Hartford, Conn. Published February 1, 1937.

49,183.—*Title:* BUDDY. For a Blended Whiskey. ALBERT M. SIMONS, Hartford, Conn. Published February 1, 1937.

49,184.—*Title:* PAQUET. For Personal Stationery Kits. SLEEPY HOLLOW SHOPS, Springbrook, N. Y. Published November 18, 1936.

49,185.—*Title:* BIG JOE. For Candy Bars. SPERRY CANDY CO., Milwaukee, Wis. Published January 27, 1937.

49,186.—*Title:* ECONOMY—A NEW DR. WEST'S PRODUCT. For Tooth Brushes. WECO PRODUCTS COMPANY, Chicago, Ill. Published February 17, 1937.

PRINTS

REGISTERED APRIL 6, 1937

16,143.—*Title:* SIMPLICITY AND COLOR. For Carpets and Rugs. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published February 10, 1937.

16,144.—*Title:* WORTH CROWING ABOUT. For Tea. EPPENS, SMITH COMPANY, INC., New York, N. Y. Published January 14, 1937.

16,145.—*Title:* MEET THE MISSUS. For Soap Flakes. FITZPATRICK BROTHERS, Chicago, Ill. Published January 23, 1937.

16,146.—*Title:* WHEN CHILDREN DECLARE A "CEREAL STRIKE" END IT WITH A "BREAKFAST OF CHAMPIONS". For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published February 15, 1937.

16,147.—*Title:* MAXWELL BROTHERS WILDE HONEE' FOOD PRODUCTS. For Honey Food Products. MAXWELL BROTHERS, INC., Lynchburg, Va. Published October 1, 1936.

16,148.—*Title:* SO MUCH MORE FLAVOR WHEN YOU SAY—PABST AD. NO. 736. For Beer. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published February 5, 1937.

REISSUES

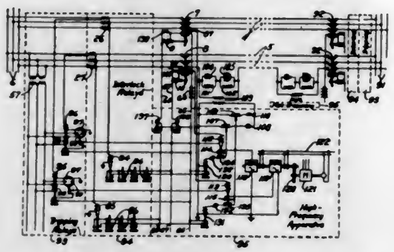
APRIL 6, 1937

20,319
SIMULTANEOUSLY TRIPPING RELAYING SYSTEM

Royal C. Bergvall, Lower Merion Township, Montgomery County, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Original No. 1,967,110, dated July 17, 1934, Serial No. 462,534, June 19, 1930. Application for reissue July 6, 1936, Serial No. 89,138

27 Claims. (Cl. 175—294)



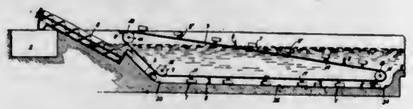
1. The combination with an electric power line having two circuit breakers therein at spaced stations, each circuit breaker having a tripping circuit, of relaying equipment at each station, comprising fault-distance-responsive tripping-relay elements for energizing the tripping circuit of the adjacent circuit breaker in response to faults up to predetermined distances, said predetermined distances being less than the distance between the two spaced stations, means at each station for sending a tripping-controlling current to the other station in accordance with the condition of energization of the tripping circuit at the sending station, and means at each station for receiving said tripping-controlling current and applying it to the control of the tripping of its circuit breaker.

20,320
SETTLING SYSTEM FOR SEPARATING SOLIDS FROM FLUIDS

Marcus B. Tark, Philadelphia, Pa., assignor to Link-Belt Company, Philadelphia, Pa.

Original No. 1,864,778, dated June 28, 1932, Serial No. 371,876, June 18, 1929. Application for reissue April 23, 1934, Serial No. 722,040

22 Claims. (Cl. 210—3)



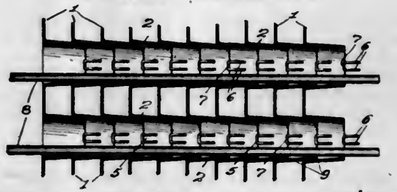
1. A settling tank having at one end a discharge port for settled solids narrower than the width of the tank itself, and a collecting mechanism having means for moving settled solids toward the discharge port end of said tank, said means being adapted to impart lateral motion to solids not in line with said discharge port to bring them into line therewith.

20,321
METHOD OF MAKING HEAT RADIATORS

John Karmazin, Huntington, Ind., assignor to Karmazin Engineering Company, Detroit, Mich., a corporation of Michigan

Original No. 1,997,563, dated April 9, 1935, Serial No. 367,308, May 31, 1929. Application for reissue August 24, 1936, Serial No. 97,660

5 Claims. (Cl. 113—118)



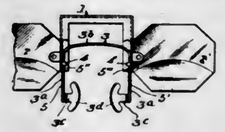
5. The method of manufacturing tubing which comprises aligning loops of metallic material so as to form a tube having internal ridges, inserting a wire of bonding material through substantially all of the loops to be joined in said tube and passing said tube through a heating zone.

20,322
TYPE OF EYEGLASS AND SPECTACLE MOUNTING OR BRIDGE

Louis John Page, Brooklyn, N. Y., assignor to George P. Kimmel, Brookeville, Md.

Original No. 1,946,233, dated February 6, 1934, Serial No. 547,037, June 26, 1931. Application for reissue February 5, 1936, Serial No. 62,552

14 Claims. (Cl. 88—49)



1. In a nose-piece structure for spectacles, eye-glasses, and the like, a bridge having substantially vertical members, said vertical members being provided with grooves and being fitted with two prongs on either side of the said vertical members, an auxiliary nose piece provided with several sets of holes placed to engage the prongs in said bridge and arranged to slide within the grooves of said bridge, maintaining contact therewith by virtue of the resilient properties of the auxiliary nose-piece structure.

20,323
METHOD OF MAKING TOOTH BRUSHES

Morris Rudof, Los Angeles, Calif.

Original No. 1,967,783, dated July 24, 1934, Serial No. 690,042, September 19, 1933. Application for reissue July 23, 1936, Serial No. 92,263

3 Claims. (Cl. 300—21)

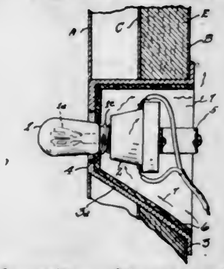
1. The method of forming a tooth brush consisting in mounting three groups of tufts of bristles on a flat backing strip to project from one side thereof with the bristles in the intermediate group of shorter length than the bristles of the end groups and arranged in rows off-set relative

to the rows of bristles in the end groups, and bending said backing strip into U-shape form with the bends extending between the intermedi-



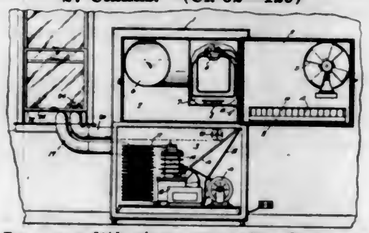
ate group of bristles and the end groups of bristles, said bends being made in a direction to position the bristles to project inwardly toward each other.

20,324
OVEN LIGHT
George Herbster, Cleveland, Ohio, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio, a corporation of Ohio
Original No. 1,992,209, dated February 26, 1935, Serial No. 712,602, February 23, 1934. Application for reissue May 2, 1935, Serial No. 19,480
7 Claims. (Cl. 240—5)



1. In a domestic cooking range having an oven, an electric light bulb protruding within the interior limits of the oven through a wall thereof for illuminating the interior from a point within and being directly exposed to the heat in the oven, an electric socket carried by the range for supporting said bulb and for conducting electrical power thereto, said socket while supporting the bulb in its operating position being disposed outside of the oven and directly exposed to the cooler outside atmosphere whereby the socket and parts of the bulb received thereby are undamaged by heat from the oven.

20,325
AIR COOLING APPARATUS
John Q. Sherman, Dayton, Ohio
Original No. 1,890,626, dated March 6, 1932, Serial No. 143,992, October 25, 1926. Application for reissue March 6, 1933, Serial No. 659,877
27 Claims. (Cl. 62—129)



20. In a conditioning apparatus for room air, means for circulating air to be conditioned, a closed refrigerant circulating system including an evaporator in the path of the circulated air and normally tending to collect moisture thereon, said system also including a condenser, a cooling fluid medium flowing in heat exchange relationship with a heat rejecting portion of said system, means for receiving water dripping from said evaporator, and means communicating with and extending into the path of cooled air to be discharged into the room, said last named means being rendered effective by passage of circulated air therethrough for continuously removing water from the water receiving means and present it in the path of the air to be discharged.

PLANT PATENTS

GRANTED APRIL 6, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

241
ROSE
Edward Richard Asmus, Sr., Closter, N. J.
Application November 4, 1936, Serial No. 109,185
1 Claim. (Cl. 47—61)

A new variety of rose plant substantially as shown and described, characterized particularly by flowers of non-fading Rose to Tyrian Rose color as shown and described, its almost completely thornless peduncle and stems, and greater disease resistance as compared with Premier Supreme.

242
POINSETTIA
Paul Ecke, Encinitas, Calif.
Application June 2, 1936, Serial No. 83,115
1 Claim. (Cl. 47—60)

A new and distinct variety of Poinsettia, substantially as shown and described, characterized especially by the brightness and beauty of colors, its earliness in maturing and persistency in retaining its beauty for a long period after maturity; the changing, after maturity, of some of the leaves from their normally green color to a bright red color; its ability to mature and bloom in a cool temperature; the large size of the plant and its various parts; and the attractive appearance of the entire whole.

PATENTS

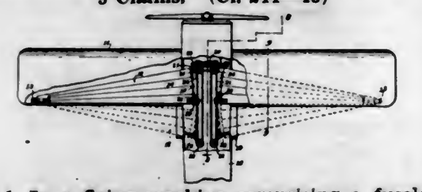
GRANTED APRIL 6, 1937

2,075,787
TILTABLE WING
Herbert Luther Adams, Washington, D. C.
Application November 22, 1932, Serial No. 644,557
3 Claims. (Cl. 244—44)



1. In an airplane, a pair of superposed planes, a plurality of forward struts connecting said planes, preferably adjacent the forward edges, a plurality of intermediate struts, diagonal brace means between forward and intermediate struts, said intermediate struts connecting said planes intermediate their forward and rear edges, a plurality of levers respectively pivoted intermediate their ends to one of the said intermediate struts adjacent the upper and lower ends respectively of the latter, means for connecting the rear end only of the levers with said planes respectively adjacent the rear edges of the planes, a rod connecting the forward ends of the levers together, control lines secured to the forward ends of the levers.

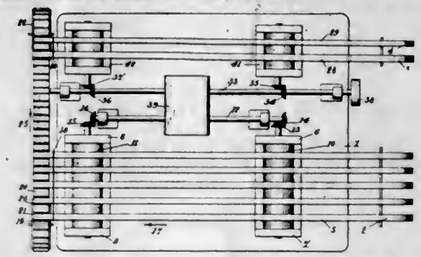
2,075,788
WING BROADENING EXTENSION
Herbert Luther Adams, Washington, D. C.
Application November 22, 1932, Serial No. 644,558
5 Claims. (Cl. 244—43)



1. In a flying machine comprising a fuselage and a laterally extending wing, a segmental shaped flexible extension telescopically received in said wing and pivoted at its apex near the outer and rear edges of the wing, said fuselage having its side formed with a slot having a length substantially twice the maximum width of said extension and extending substantially equal distances forwardly and rearwardly of the rear edge of the wing, said extension having an inner end portion extending through said slot, and means disposed within said fuselage and operatively connected with the inner end of said extension for sliding the latter lengthwise of said slot.

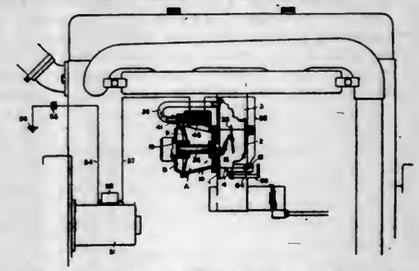
2,075,789
MANUFACTURE OF BLOCKS WITH PREDETERMINED NUMBER OF SHEETS
Henri Chambon, Paris, France, assignor to Societe Anonyme des Anciens Etablissements L. Chambon, Paris, France, a society of France
Application March 20, 1936, Serial No. 69,984
In France March 25, 1935
5 Claims. (Cl. 270—58)

1. An apparatus for the manufacture of blocks with a predetermined number of sheets such as blocks of cigarette paper sheets comprising a plurality of sheet feeding means, containers for said sheets, means for successively bringing said containers into position for receiving said sheets from each of said feeding means, means where-



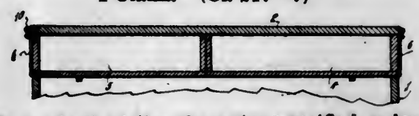
by between each forward motion of said containers a number of said feeding means supply only one sheet while the other feeding means supply a plurality of sheets and a change speed gear provided between said feeding means supplying one sheet and the other feeding means.

2,075,790
DEGASSER FOR INTERNAL COMBUSTION MOTORS
Clarence A. Christensen, San Francisco, Calif., assignor to Lathan Company, Inc., San Francisco, Calif., a corporation of California
Application January 27, 1931, Serial No. 511,512
13 Claims. (Cl. 123—97)



1. In combination with an internal combustion motor having a throttle valve in the intake, an auxiliary valve in said intake, means for closing said auxiliary valve when said throttle valve is closed, and means operated by said auxiliary valve closing means for admitting atmosphere into the intake subsequent to the closing of said auxiliary valve.

2,075,791
CHEST
Shirley E. Coy, Huntington, Ind.
Application July 29, 1935, Serial No. 33,755
1 Claim. (Cl. 217—7)



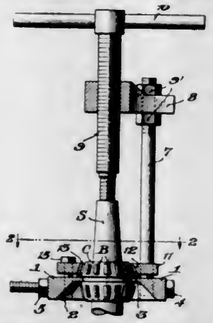
In a chest of the character specified, a lower compartment, an upper stationary removable tray extending the full length and occupying approxi-

mately one-third the width of the chest, a pair of right and left front trays hinged at their outer rear corners to the stationary tray and adapted to open or swing outwardly in a horizontal plane, to permit access to the lower compartment, said last mentioned trays being each one-half the length of the chest and occupying approximately two-thirds of the width thereof, a latch member carried by one of the hinged trays and adapted to engage a corresponding co-incident recess in the front face and body of the chest and prevent raising of the trays when closed and a rim or moulding carried by the edge of the lid and adapted to overlap or extend below the upper edges of the hinged trays when the lid is closed, to prevent the former from swinging outwardly.

2,075,792
MEANS FOR SEPARATING ELEMENTS FROM SHAFTS

William H. Curtiss, East Orange, N. J.

Application April 9, 1935, Serial No. 15,466
6 Claims. (Cl. 29—85)

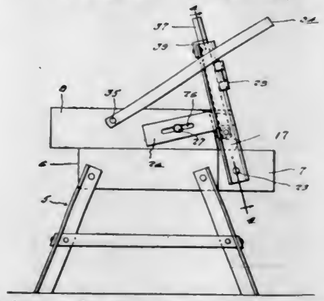


3. In a device for removing elements from shafts having a space between the elements, a puller member, means whereby said member may be placed about the shaft, means carried by the member to engage in said space and against the adjacent end of one of the elements, locking means formed to engage about one of the elements, means to rigidly connect the locking means to the member, and means independent of the locking means and connected to the puller member to effect axial movement of the shaft, thereby to disengage said one element therefrom by pressure exerted against the said end of one of the elements.

2,075,793
HORSESHOEING DEVICE

Hubert Deal, Marshall, N. C.

Application December 20, 1935, Serial No. 55,467
4 Claims. (Cl. 168—48)



1. A horse-shoeing stand of the character described comprising a hoof support, a clamp frame pivoted on a horizontal axis relative to said support and adapted to assume a vertical operative position, a hoof clamp vertically slidable on said frame, said hoof clamp comprising spring-pressed sections for engaging opposite sides of the hoof.

2,075,794
ELECTRICAL CONNECTION

Earl P. Allabach, Upper Darby, Pa.

Application April 14, 1934, Serial No. 720,545
3 Claims. (Cl. 173—343)

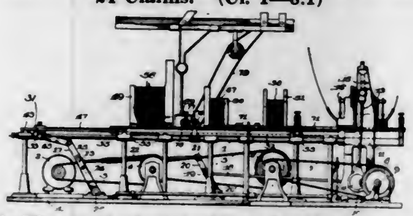


1. An electrical connection comprising a socket member having a contact spaced from the axis of the socket, a contact pin axially arranged within the socket, a plug member having a sleeve adapted to be inserted into the socket with an annular furrow surrounding the sleeve producing a surrounding annular rib abutting and coinciding with the socket member and with an axial aperture for receiving the pin, a contact member within the sleeve, a second contact member external of the sleeve for making engagement with the first mentioned contact at the side of the socket, and conductor connections within the furrow connected to said contact members.

2,075,795
METHOD AND APPARATUS FOR MAKING WALLS OF SHIPPING CONTAINERS

Oliver M. Babcock, Evanston, Ill.

Application May 15, 1931, Serial No. 537,648
24 Claims. (Cl. 1—8.1)



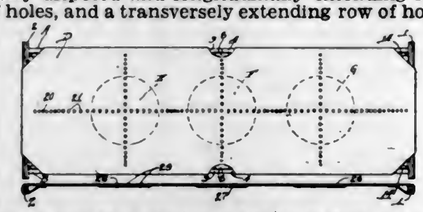
1. The method of making shipping container walls which consists in providing two laterally spaced longitudinal stacks of strips, cleats, or the like, two longitudinally spaced transverse stacks of strips, cleats, or the like, each of the latter strips, cleats, or the like, having a recess at each end, moving one of said latter strips, cleats, or the like, laterally to push two of the longitudinal pieces forward to push one of the other of said transverse pieces from under its stack, moving each of the two longitudinal pieces inwardly to force each of their ends into the respective adjacent recess of the transverse pieces, applying adhesive to said four assembled pieces, and applying sheet material thereover firmly held against said adhesive.

2,075,796
COLLAPSIBLE BED

Ralph B. Baker, Park Ridge, Ill.

Application March 9, 1935, Serial No. 10,168
3 Claims. (Cl. 5—186)

1. A one-piece bed bottom for a cot, said bed bottom consisting of an elongated and substantially continuous and imperforate sheet of elastic rubber, or the like material, provided with a centrally disposed and longitudinally extending row of holes, and a transversely extending row of holes

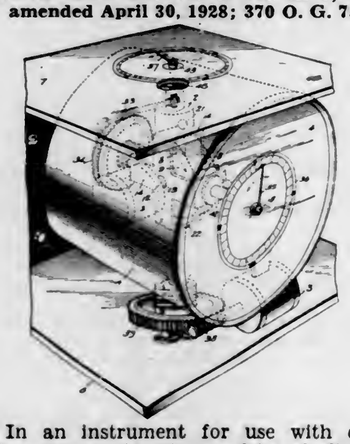


intersecting said longitudinally extending row and positioned in the zone usually occupied by the hips of a person lying prone on the cot.

2,075,797
GYROSCOPIC INDICATING AND CONTROL DEVICE

William R. Blair, Fort Monmouth, Oceanport, N. J.

Application April 28, 1934, Serial No. 722,942
15 Claims. (Cl. 33—204)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



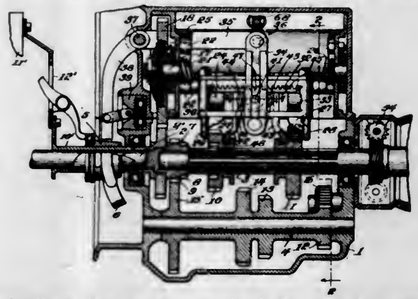
1. In an instrument for use with dirigible craft, a gyroscopic rotor; a drive shaft for said rotor, the rotor and shaft being coupled by a universal joint whereby the axes of rotor and shaft may move angularly with respect to each other; means for spinning the shaft; a main frame structure fixed to the craft to move therewith; means carried by said frame structure for mounting the drive shaft for universal movement with respect thereto; means responsive to angular movement of the mounting means from predetermined position with respect to the rotor for moving said means to restore said predetermined position; and index means controlled by angular movements of said mounting means with respect to the main frame to indicate angular movements of the craft.

2,075,798
COMBINED HAND AND AUTOMATICALLY CONTROLLED TRANSMISSION

George L. Brown, Clearwater, Fla.

Application April 23, 1935, Serial No. 17,864
18 Claims. (Cl. 74—336.5)

1. In a transmission mechanism including speed change gearing providing variable forward speeds and reverse to the transmission mechanism and a clutch for connecting and disconnecting the transmission mechanism to a power source, a power driven selecting means connected to said transmission mechanism, clutch operating means connected to said clutch and to said selecting means for actuating the clutch during each operation of the transmission mechanism, a dash pot connected to said clutch operating means

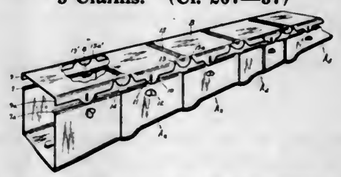


controlling the engagement of the clutch, means connecting said selecting means to the speed change gearing, a manual control for operating said selecting means, and a governor mechanism driven by said transmission mechanism and connected to said selecting means for automatically actuating the latter to obtain certain of the variable forward speeds.

2,075,799
SPRING COVER

George W. Crabtree, Cleveland Heights, Ohio

Application March 2, 1935, Serial No. 9,099
5 Claims. (Cl. 267—37)



1. A cover for leaf springs comprising a plurality of substantially U-shaped body sections adapted to be inserted over three sides of a spring, said sections being arranged in partly telescoped relation and connected to one another to provide a series of hinge joints, and a cap for said sections; said cap being formed with side flanges having slotted lugs at spaced points along the cap, locking ears punched from the side walls of the sections and adapted to engage in said slots whereby the cap may be detachably locked to the sections, the cap between said lugs and adjacent the joints of the sections having the flanges thereof cut away to facilitate flexing of the cap.

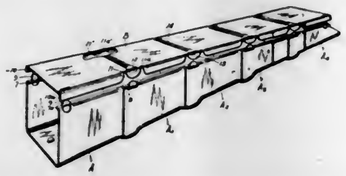
2,075,800
SPRING COVER

George W. Crabtree, Cleveland Heights, Ohio

Application March 2, 1935, Serial No. 9,100
7 Claims. (Cl. 267—37)

1. A cover for leaf springs comprising a plurality of substantially U-shaped body sections adapted to be inserted over three sides of a spring, said sections being arranged in partly telescoped relation, a cap member adapted to fit over said sections and having a series of slots formed therein, said sections at the point where they telescope into one another being provided with a plurality of arcuately pressed bearing joints and a hinge joint in opposed relation to said bearing joint, said hinge joint being formed

by punching a series of locking tongues out of one section and extending the said tongues through slots formed in the coacting sections

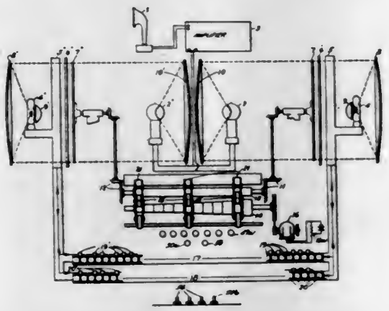


and cap member, whereby a combined hinge joint and securing means is provided for holding the sections in telescoped relation and also for securing the cap member on the sections.

2,075,801
METHOD OF NITRIFYING SUPERPHOSPHATE
Harry A. Curtis, Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala., a corporation of United States
No Drawing. Application August 23, 1935, Serial No. 37,533
4 Claims. (Cl. 71—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

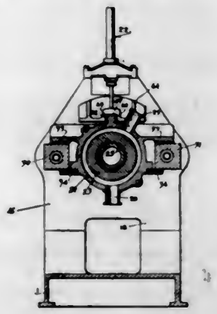
4. Process of nitrifying a superphosphate fertilizer, which comprises, treating the superphosphate with a nitrifying agent comprising, free ammonia, and a guanidine salt.

2,075,802
PRODUCTION OF COMPLEX SOUNDS
Merlin Davis, Milton, Pa.
Application January 26, 1933, Serial No. 653,684
88 Claims. (Cl. 84—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an apparatus for the production of complex electrical fluctuations, means for generating electrical impulses corresponding to fundamental frequencies and their harmonics, means for selectively controlling the intensity of any fundamental fluctuations and harmonic frequencies of like degree of any fundamental either independently or collectively in varying amounts and independent means for switching on and off the frequencies of electric fluctuations of any fundamental and their respective harmonics, and a suitable responsive instrument receiving the output of said generating means.

2,075,803
HORIZONTAL EXTRUSION PRESS
Richard W. Dinzl, Narberth, and John C. Graf, Philadelphia, Pa., assignors to Baldwin-Southwark Corporation, a corporation of Delaware
Application September 6, 1935, Serial No. 39,438
12 Claims. (Cl. 207—3)



1. A horizontal extrusion press comprising, in combination, a horizontal die and die plunger, power means for effecting relative movement between said die and its plunger, means for laterally maintaining said die in an axial position during lateral expansion thereof, a vertical pedestal, and means supported by said pedestal for vertically supporting said die and plunger in axial alignment while at the same time permitting said lateral die expansion and allowing the axis of the plunger and die to have a varying elevation upon occurrence of expansion of said pedestal.

2,075,804
WHITE SYNTHETIC RESINS AND PROCESS OF MAKING SAME
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application January 28, 1924, Serial No. 689,165
23 Claims. (Cl. 260—3)

1. A shaped article containing the reaction products of urea, an acid and formaldehyde.

2,075,805
MOLDING UREA CONDENSATION PLASTIC
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application September 19, 1930, Serial No. 483,135
19 Claims. (Cl. 18—55)

1. The process which comprises heating to a temperature below the boiling point in the proportion of approximately 1 kilo of urea and approximately aqueous formaldehyde of pH 7 containing actual formaldehyde adequate to form approximately the equivalent of 1 mol. each mono- and dimethylol urea, in the presence of magnesium carbonate; whereby a solution of urea-formaldehyde-condensate is obtained, adding an additional amount of magnesium carbonate, impregnating approximately $\frac{1}{10}$ kilo of wood flour with said solution, drying at a temperature below 100° C., grinding and incorporating pigment, adding to the dry mix about 1 per cent of a heavy fluxing solvent including glycerol dichlorhydrin and hot pressing at a platen temperature between approximately 120–150° C. to form receptacle shaped articles of a hot-water resistant character.

2,075,806
RETARDATION OF RANCIDITY
Albert K. Epstein and Benjamin R. Harris, Chicago, Ill.
No Drawing. Application June 3, 1935, Serial No. 24,711
16 Claims. (Cl. 87—12)

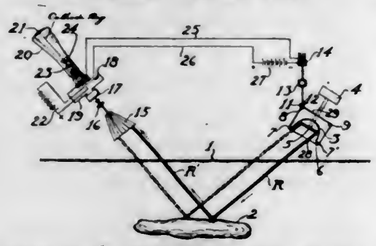
1. The method of retarding oxidation of organic materials having an oleaginous constituent normally subject to oxidation, which comprises incorporating into such materials an unneutralized or partially neutralized phosphoric acid ester of a polyhydroxy substance of the class consisting of glycols, polyglycols and polyglycerols, wherein at least one hydroxy group of the polyhydroxy substance is replaced by a relatively high molecular weight aliphatic lipophile radical.

2,075,807
OLEAGINOUS STABILIZATION BY THE ESTER OF GLYCERIN WITH PHOSPHORIC AND HIGHER FATTY ACID
Albert K. Epstein and Benjamin R. Harris, Chicago, Ill.
No Drawing. Application June 3, 1935, Serial No. 24,712
18 Claims. (Cl. 87—12)

1. The method of retarding the oxidation of organic materials having an oleaginous constituent normally subject to oxidation, which comprises incorporating in said materials a non-neutralized or partially neutralized phosphoric acid ester of glycerol, wherein the hydrogen of at least one hydroxy group of the glycerol is replaced by a relatively long chain non-nitrogenous aliphatic lipophile radical.

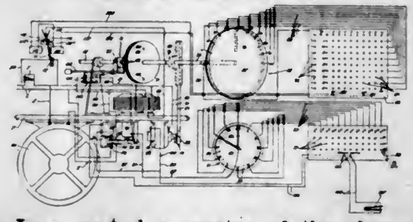
4. The method of retarding oxidation of oils and fats in the presence of oxidation catalysts such as heavy metals, which comprises introducing into said materials a proportion of a non-neutralized or partially neutralized ester in the form of a non-nitrogenous reaction product of a relatively high molecular weight glyceride having an unesterified glycerol hydroxy group and a derivative of phosphorus capable of forming an ester of phosphoric acid.

2,075,808
METHOD AND APPARATUS FOR OBSERVING BODIES THROUGH OPAQUE SUBSTANCES
Robert A. Fliess, New York, N. Y.
Application November 21, 1930, Serial No. 497,129
6 Claims. (Cl. 175—182)



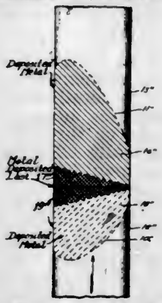
1. Method of charting bodies obscured from sight by opaque substances comprising directing a beam of electromagnetic waves toward the body receiving the reflected portion of the waves, causing the same to produce an integrated visual indication and synchronizing the integrated indication with the interruption of the passage of the electromagnetic waves from the transmitting source.

2,075,809
CONTROL APPARATUS FOR RADIO RECEIVING SETS
Robert B. Foster, Los Angeles, Calif., assignor to John B. Smiley, Los Angeles, Calif.
Application August 28, 1933, Serial No. 687,217
8 Claims. (Cl. 250—20)



1. In a control apparatus of the class described, a tuning element, an electric motor for operating the same, an electric circuit for the motor, an electrically operated switch in the circuit, a selective time control switch means having spaced contacts, a selective tuning control switch means, comprising a pair of concentric discs, one being stationary and having circumferentially spaced contacts corresponding to graduations on said tuning element and positioned in engagement with the other disc, and the latter disc being operatively connected to said tuning element and having an insulating strip adapted to engage in sequence each of the contacts on the first disc, certain of the contacts on the time control switch being adapted to be selectively connected with certain of the contacts on the first disc, and both of said switch means being connected in series with the first switch, said insulating strip being adapted to engage one at a time the contacts on said disc for breaking the circuit formed by the latter contact with said switch.

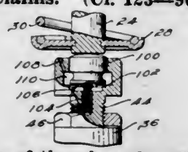
2,075,810
BUILT-UP RAIL AND METHOD OF BUILDING UP THE SAME
Harry S. George, Massapequa, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application September 6, 1933, Serial No. 688,333
24 Claims. (Cl. 29—169)



5. A method of increasing the wearing characteristics of the tread surface areas at the ends of substantially unworn rails, which comprises removing a surface layer of original rail metal at such a tread surface area, the length of such layer longitudinally of the rail being less than about three inches, and subsequently depositing thereon before the rail is subjected to service a metal capable of acquiring a hardness of at least 60 Scleroscope after cold rolling, the shape of the area formed by the metal deposited

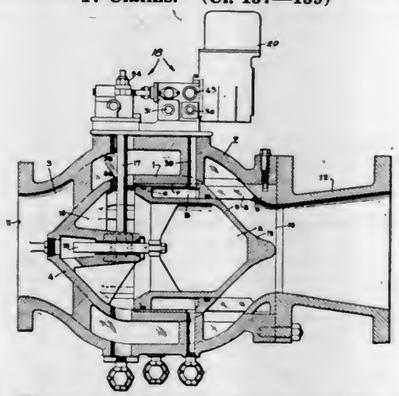
being such that it extends back from the end of the rail a greater distance at one edge than the other edge of the rail head.

2,075,811
VALVE
Harry A. Kaufmann, Detroit, Mich.
Application February 15, 1934, Serial No. 711,417
8 Claims. (Cl. 123—90)



1. In a device of the class described, the combination of an adjusting bolt with a valve stem, a liquid filled bore provided in said bolt, a plunger cooperable with the wall of said bore movable into and out of engagement therewith, and means biasing said plunger into engagement with said valve stem.

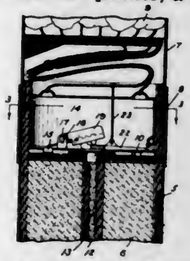
2,075,812
VALVE AND CONTROL THEREFOR
Samuel Logan Kerr, Philadelphia, and Andrew Greig, Upper Darby, Pa., assignors to Baldwin-Southwark Corporation, a corporation of Delaware
Application July 20, 1934, Serial No. 736,242
17 Claims. (Cl. 137—139)



1. The combination comprising a conduit having a movable valve element disposed therein for controlling fluid flow therethrough, means whereby said valve element is adapted to be disposed in a partially closed or throttling position, and means for automatically effecting complete closure of said valve element from said position upon occurrence of a predetermined condition; said latter means including a solenoid which is energized and deenergized in accordance with said condition, means providing opening and closing fluid chambers for said valve element, and control valve mechanism actuated by said solenoid for directly controlling the fluid for each of said chambers.

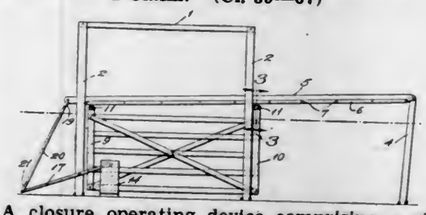
2,075,813
FIRING MECHANISM
John M. King, Dover, N. J.
Application September 30, 1935, Serial No. 42,865
1 Claim. (Cl. 102—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a projectile, a case, a disc in the case and spaced from the upper end thereof, a primer carried by the disc, a container secured in the upper end of the case above the disc and having an opening in its floor to expose the primer, a pivotally mounted hammer within the container and arranged to strike the primer, a spring for actu-



ating the hammer, a pivotally mounted sear within the container and normally resting on the floor of the container between the primer and hammer and covering the primer, and means for rotating the sear to cock and then release the hammer.

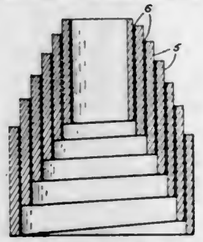
2,075,814
CLOSURE OPERATING DEVICE
Martin S. Kirkpatrick, San Antonio, Tex.
Application February 25, 1935, Serial No. 8,151
1 Claim. (Cl. 39—67)



A closure operating device comprising a closure receiving frame and a support, tiltable means having one end pivoted to the support and guided by the frame, a closure slidably mounted on the tiltable means for movement by gravity, vehicle receiving platforms extending at right angles to the frame upon opposite sides thereof, anchored hinge means for the outer ends of the platforms, brackets secured to the underside of the inner ends and including spaced ears, a straight arm for each bracket and pivoted intermediate their ends to the frame, and having slotted ends pivoted to the brackets between the ears thereof, a lever having bifurcated ends with one bifurcated end disposed between the opposite ends of the arms and pivoted thereto, and the other bifurcated end being pivoted to the tiltable means, said arms and lever disposed at an angle to each other and normally holding the tiltable means inclined in one direction for allowing the closure to slide to and normally remain in closed position, and to move the tiltable means in an opposite direction upon the application of a vehicle to either platform to allow the closure to slide to open position.

2,075,815
METHOD OF FORMING A VOLUTE SPRING
Harry A. Knox, Davenport, Iowa
Application September 29, 1934, Serial No. 746,100
4 Claims. (Cl. 29—173)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of forming a volute spring which consists in placing a thin sheet of low melting material on the inside of a plate, rolling the plate into a spiral coil, melting the thin sheet to cause its removal and leave a space between



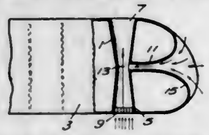
the convolutions of the coil, and then tempering the coil.

2,075,816
AUTOMATIC SPRINKLER
Albert J. Loepsinger, Providence, and Herbert E. Rose, Warwick, R. I., assignors to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware
Application February 11, 1933, Serial No. 656,266
23 Claims. (Cl. 169—39)



16. An automatic sprinkler having opposed formed surfaces joined together by a film of solder holding the sprinkler closed; said film having an exposed edge defining a plane and the said surfaces being so disposed that any plane passed through them, perpendicular to the plane defined by the exposed edge, cuts the solder film along a continuous line whose length is greater than the line between the points on said edge at the intersection of said planes.

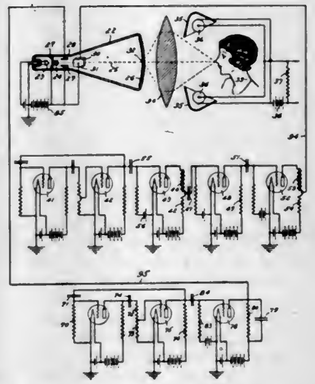
2,075,817
WING VORTEX REDUCER
Arthur W. Loerke, Dayton, Ohio
Application August 17, 1934, Serial No. 740,280
13 Claims. (Cl. 244—130)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. A wing vortex reducer comprising, in an aircraft, a wing having a fore-and-aft passage for the flow of air through the wing from the leading to the trailing edges thereof and a lateral passage for the flow of air into the wing from the tip end thereof, said lateral passage communicating with the fore-and-aft passage.

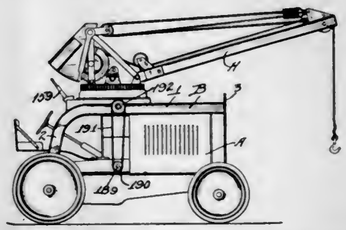
2,075,818
TELEVISION APPARATUS
Harry R. Lubcke, Los Angeles, Calif.
Application March 30, 1931, Serial No. 526,282
5 Claims. (Cl. 178—6)

1. In television apparatus; a source of electrical energy of substantially rectangular wave shape; a triode connected to said source having an inductance and resistance in series in its plate circuit, said inductance being so proportioned as to saturate during the period of the peaks of the current that passes therethrough; a second triode connected to said inductance and adapted



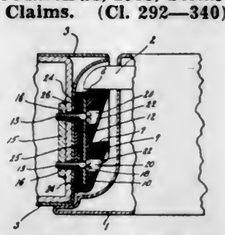
to act as a linear amplifier of said current; and a third triode connected to said second triode and having an inductance and resistance in series in its plate circuit, said second inductance being so proportioned as to saturate during the period of the peaks of the current that passes therethrough.

2,075,819
FULL-SWING CRANE
Fred G. Manly, Chicago, Ill.
Application July 10, 1935, Serial No. 30,644
9 Claims. (Cl. 212—38)



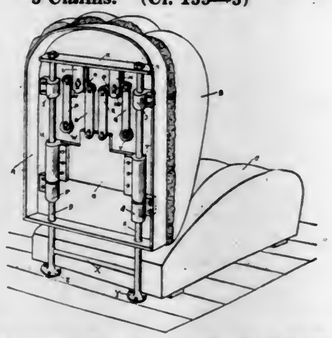
1. A combined tractor and swinging crane construction, including a gasoline driven tractor having a seat for a driver; a crane structure on said tractor having a turntable adapted for swinging movement about a vertical axis; a boom pivoted to said table; a boom cable; winch and cable mechanisms on said table for raising and lowering the boom; winch mechanism on said table for actuating the boom cable; brake means on said table for braking said winch mechanisms; drive means on said table for driving said winch mechanisms; said driving means including clutch means; means supported on said table for operating said clutch means and brake means; manually operable manipulating means disposed adjacent the driver's seat; and connections between said manually operable means and said operating means on said table, passing through the axis of rotation of said table to enable complete operation of the tractor, turntable, boom and winches by the tractor driver.

2,075,820
STRIKER PLATE FOR DOOR LATCH BOLTS
Carlos J. McKinney, Detroit, Mich., assignor of one-half to James S. Reid, Shaker Heights, Ohio
Application March 23, 1935, Serial No. 12,535
2 Claims. (Cl. 292—340)



1. A striker plate for door latch bolts, comprising a yieldable body member, a metallic face plate therefor having its end portions bent inwardly beneath said member, means for connecting said member and hence said face plate to a door frame, an abutment member for said connecting means embedded in said yieldable member, and yieldable means interposed between said door frame and the inwardly bent end portions of said face plate.

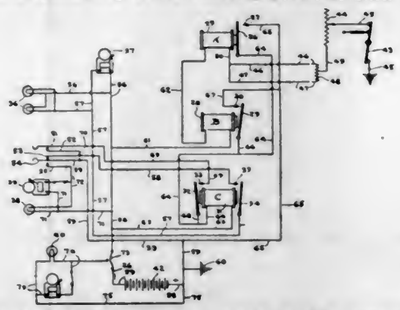
2,075,821
SEAT
David C. Meyers, Ithan, Pa.
Application June 12, 1935, Serial No. 26,276
3 Claims. (Cl. 155—5)



1. A seat comprising a bottom, rods extending substantially vertically in relation to the bottom, a back member slidably carried by the rods, a weight slidably carried by the rods, and lever mechanism supported on the rods, one end of the lever mechanism being connected to the back member and the other end being connected to the weight.

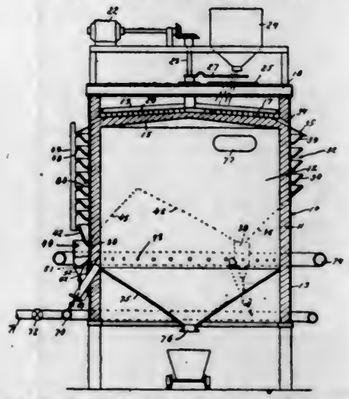
2,075,822
ALARM SYSTEM
Harold B. Miller, Minneapolis, Minn.
Application June 22, 1931, Serial No. 545,881
7 Claims. (Cl. 177—311)

1. An alarm system comprising an alarm designating unit including a plurality of electric circuits, a signal included in an electric circuit of said alarm designating unit, said electric circuits additionally including a holding electric circuit for said signal circuit and independent of said signal, and a normally energized electric circuit, means at remote distance from said alarm designating unit grounding said normally energized circuit, said normally energized circuit including a line wire extending from said alarm designating unit and a resistance adjacent the grounding means affording a connection between said line



wire and said grounding means, and a magnetically regulated electric switch in said signal circuit and controlled by said normally energized and said holding circuits.

2,075,823
PRODUCTION OF SULPHUR DIOXIDE
Edwin J. Mullen, New Rochelle, N. Y., and Charles A. Gallagher, California, Pa., assignors to General Chemical Company, New York, N. Y., a corporation of New York
Application April 26, 1933, Serial No. 667,950
6 Claims. (Cl. 266—28)



1. Apparatus for treating material comprising a shell forming a reaction chamber having a substantially flat top, means for passing material to be treated over the top, means for subsequently passing said material over at least a substantial portion of the walls of the reaction chamber including means for intermittently exposing a large portion of the said material to the atmosphere while passing over the walls, and means for feeding said material after passage over said walls into the reaction chamber.

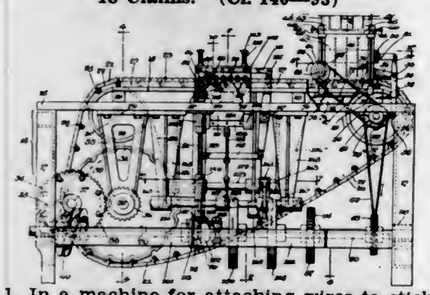
2,075,824
ORGANIC MATERIALS STABILIZED BY ANTIOXIDANT FROM GRAINS AND CEREALS
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application February 26, 1935, Serial No. 8,411
6 Claims. (Cl. 87—12)

1. A composition containing an organic substance subject to oxidative change in contact with a volatile liquid hydrocarbon soluble extract of vegetative material selected from the group consisting of cereals and grains, said extract containing a complex mixture of substances including antioxidants derived from said vegetative material, the vegetative material from which the hydrocarbon soluble extract is produced being different from the organic substance subject to oxidative change.

2,075,825
CYCLIC PROCESS OF PRODUCING AMINES OF SATURATED HYDROCARBONS
Morris S. Nafash, Union City, N. J., assignor to Cesare Barbieri, New York, N. Y.
No Drawing. Application November 1, 1933, Serial No. 696,151
9 Claims. (Cl. 260—127)

1. The cyclic process of producing amines which comprises reacting an alkyl bromide with ammonia to form a solid primary alkyl amine hydrobromide, removing solid primary alkyl amine hydrobromide, treating said solid amine hydrobromide with caustic soda in solution to free the amine and to form bromide of sodium, distilling amine from the solution containing bromide of sodium, bringing said solution into reaction contact with an alkyl alcohol containing the same alkyl radicle as in the alkyl bromide used in the first step thereof and a non-oxidizing mineral acid to form an alkyl bromide, and recovering and recycling said alkyl halide to the first step for re-use in the formation of further amounts of solid amine hydro bromide.

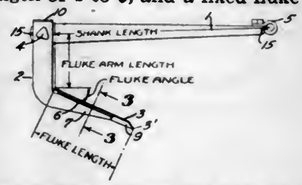
2,075,826
MACHINE FOR ATTACHING WIRES TO FLORAL STICKS OR THE LIKE
John R. Nolan, Larchmont, N. Y.
Application March 16, 1935, Serial No. 11,394
18 Claims. (Cl. 140—93)



1. In a machine for attaching wires to sticks, means for supporting a stick, a rotary winding member mounted adjacent one end of the stick and having a guide through which one end of a wire is adapted to project longitudinally of the adjacent end of the stick, means for periodically rotating said member, a presser member movable upon and from the projecting end of the wire at the stick, and means for operating said presser member in timed relation to the rotary member.

2,075,827
ANCHOR
John K. Northrop, Los Angeles, and Harry M. Gesner, Inglewood, Calif.
Application November 20, 1933, Serial No. 698,776
6 Claims. (Cl. 114—207)

1. An anchor comprising a fluke attached to a shank by a fluke arm, said anchor having a ratio of fluke length to shank length of approximately 1 to 2½, a ratio of fluke arm length to shank length of 1 to 3, and a fixed fluke angle of



approximately 21°, whereby the holding power in penetrable bottom is substantially independent of weight.

2,075,828
PEN
Archie D. Robinson, Westfield, Mass.
Application September 12, 1935, Serial No. 40,300
4 Claims. (Cl. 120—101)

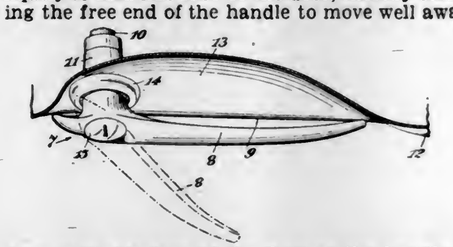


1. A pen comprising in combination, a holder having a bore, a feeder reciprocable therein between writing and non-writing positions and having a forward feeding end projecting from the forward end of the holder, an extension at the rear end of the holder rotatable relative thereto, means associated with the extension and feeder whereby the latter is reciprocated by relative rotation of said holder and extension, a pen point, and engaging means associated with the feeder and pen point including a projection in the feeder and an aperture in the pen point disposed so as to be located in the holder when the feeder is in writing position, all adapted and arranged whereby the pen-point may be held in writing position by the holder and feeder when the feeder is in writing position and released when the said feeder is in non-writing position, the said holder having a longitudinal spline in its bore and the said pen-point having a projecting part receivable in said spline for holding the pen point against sideways shifting movements when in writing position.

2,075,829
HANDLE AND LATCH MECHANISM
Leon Ottinger, New York, N. Y.
Application December 19, 1935, Serial No. 55,237
20 Claims. (Cl. 292—169)

1. In a latch mechanism for a door, a latch member, a rotary actuating shaft therefor terminating at a side face of the door, an operating handle normally lying close to and substantially parallel with said side face of the door, one end of the handle being connected with said actuating shaft, the said shaft being disposed ob-

liquely to said side face of the door, thereby causing the free end of the handle to move well away



from said side face of the door as the handle is turned to actuate the latch mechanism.

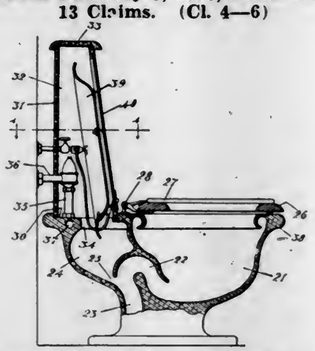
2,075,830

COMBINATION WATER CLOSET AND BIDET

Ippolito Salvoni, New York, N. Y., assignor of forty-four per cent to Riccardo Salmona and twelve per cent to Edward Q. Jackson, both of New York, N. Y.

Application February 5, 1936, Serial No. 62,385

13 Claims. (Cl. 4—6)



1. A water closet-bidet combination, comprising a water closet bowl having an open top rear extension, a housing upwardly extending above the said rear extension, and a bidet pivotally mounted with respect to said bowl and housing, adapted to be enclosed within said housing when said bidet is raised from its operative position on top of said bowl, to its inoperative upwardly extending position, said bidet being arranged to discharge its contents into said rear extension during the upward tilting movement thereof.

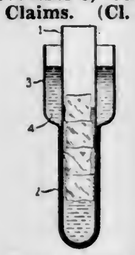
2,075,831

DEVICE FOR COOLING OR WARMING A LIQUID

Peter Schlumbohm, New York, N. Y.

Application November 8, 1935, Serial No. 48,901

18 Claims. (Cl. 62—1)



1. A mixing device comprising a liquid container member having a section of reduced cross section, a plunger member adapted to fit relatively closely in said section and to be moved in and out through said section to pump liquid in the container through the reduced section in a thin layer between the container and plunger.

2,075,832

WEATHER STRIPPING

David A. Seligman, New York, N. Y.

Application May 15, 1935, Serial No. 21,490

7 Claims. (Cl. 20—69)



1. A weather stripping for connection to the edges of sashes to be placed in window frame constructions, said weather stripping being formed of sheet metal stampings, in the form of elongated strips, the sides of which are angularly bent in respect to each other, and the ends of which strips are provided with slots, whereby said strips may be automatically adjustably fitted upon the window sash constructions.

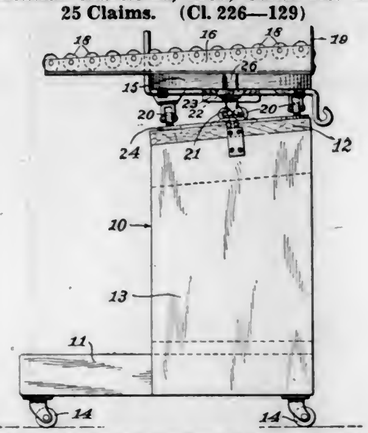
2,075,833

PORTABLE PACKING BENCH

Bessie Linn Smith, Avon Park, Fla.

Application March 15, 1935, Serial No. 11,323

25 Claims. (Cl. 226—129)



7. A portable packing bench comprising a body portion and a trackway movably carried thereby, said body having an inclined upper surface and said trackway having spacing means carried thereby for supporting the trackway above the body, the lowermost part of said spacing means defining a plane which is inclined to the plane of the trackway above the body.

2,075,834

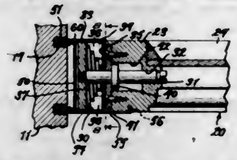
WINDOW

Arthur Solomon, Buffalo, and William J. Bancroft, Williamsville, N. Y.

Application May 27, 1935, Serial No. 23,532

4 Claims. (Cl. 20—49)

1. A window of the character described, comprising a frame, a sash, carriers interposed between the stiles of said sash and the jambs of said frame and guided for vertical movement along said jambs, said stiles being provided with horizontal alining openings extending therethrough, spring means carried by each of said carriers in line with said openings, a pin in each of said openings and accessible from the inner



side of the stiles, each pin having a head engaging a shoulder on the corresponding stile and a detachable connection between each pin and the corresponding spring means whereby upon connecting said pins and spring means, said spring means are stressed to press the carriers against said stiles.

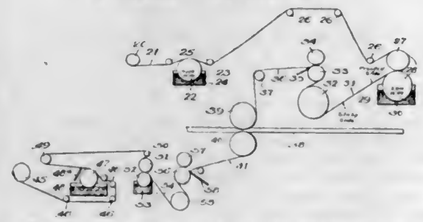
2,075,835

COATED PAPER OR SHEET

Allen L. Spafford, Cloquet, Minn., assignor, by direct and mesne assignments, of one-half to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware, and one-half to The Paper Service Company, Cincinnati, Ohio, a corporation of Ohio

Application August 17, 1931, Serial No. 557,564

8 Claims. (Cl. 154—28)



1. The method of making a water-proof insulation material consisting of a fibrous elastic core and a covering sheet which comprises coating one side of a flexible sheet material with a waterproofing substance which produces a flexible coated sheet, applying a heat-responsive adhesive to the other surface of the sheet, passing the sheet over a roll with the adhesively coated side in contact with the roll to cause it to adhere thereto, stripping the sheet from said roll whereby the paper is creped, and then uniting the creped sheet to a fibrous elastic core by means of the adhesive previously applied thereto for creping, the waterproof coating material being non-tacky or non-adhesive under the conditions of uniting the adhesive side of the sheet to the insulating core.

2,075,836

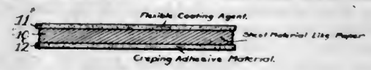
MANUFACTURE OF COATED SHEET

Allen L. Spafford, Cloquet, Minn., assignor, by mesne assignments, to The Paper Service Company, Cincinnati, Ohio, a corporation of Ohio

Original application August 17, 1931, Serial No. 557,564. Divided and this application April 5, 1933, Serial No. 664,506

12 Claims. (Cl. 154—33)

1. The method of making creped sheets which comprises coating one side of flexible sheet material with a heat-resistant coating which is flexible with the sheet and non-adhesive at the below-mentioned creping heat, coating the other side of the sheet with a heat-plastic adhesive, passing the sheet over a heated roll with the ad-



hesive side in contact with the roll to cause it to adhere thereto, and stripping the sheet from the roll whereby the sheet is creped.

2,075,837

BLANK AMMUNITION FIRING ATTACHMENT FOR AUTOMATIC GUNS

René R. Studler, Washington, D. C.

Application June 3, 1936, Serial No. 83,311

1 Claim. (Cl. 42—1)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The combination with a gun having a reciprocating barrel and a barrel support surrounding the barrel at the breech end thereof, of a barrel jacket surrounding the barrel, a quick detachable connection between the support and jacket, a muzzle attachment in the forward end of the jacket provided with a bore into the rear end of which the muzzle of the barrel projects, a spiral groove in the wall of the bore surrounding the muzzle of the barrel, the forward end of the groove terminating in an annular groove provided with spaced ports, an annular groove in advance of the aforesaid annular groove said groove being provided with ports, and a plug in the forward end of the attachment provided with an axial bore of a diameter to disintegrate a wad.

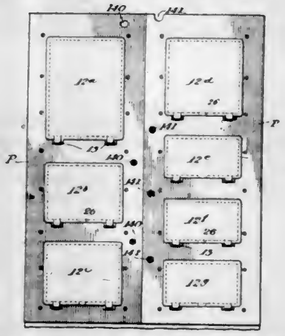
2,075,838

MECHANICAL REFRIGERATOR APPARATUS

Lucien L. Torrey, Los Angeles, Calif.

Application December 3, 1932, Serial No. 645,602

8 Claims. (Cl. 62—116)

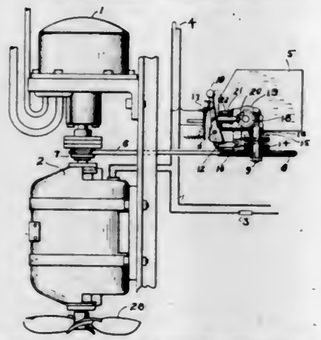


1. In a refrigerating apparatus, a heat insulating casing, a framework mounted in said casing and including uprights and a plurality of supporting members extending between said uprights and secured thereto, said supporting members being arranged in groups to provide guide means, independent refrigerating chambers slidably mounted on said guide means, and refrigerating means carried by said guide means for cooling said chambers.

2,075,839
VARNISH COMPOSITIONS
Victor H. Turkington, Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 22, 1934, Serial No. 731,973
10 Claims. (Cl. 134—26)

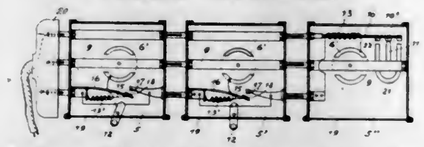
1. Process of making varnish compositions which comprises heating together a drying oil, an oil-soluble synthetic resin, and a neutral phenol ester of a dibasic carboxylic acid.

2,075,840
COMBINED REFRIGERATING AND POWER ACTUATED DEVICE
Harry R. Van Deventer, New York, and Samuel C. McKeown, Mount Vernon, N. Y., assignors, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application August 7, 1929, Serial No. 384,014
Renewed November 22, 1934
13 Claims. (Cl. 62—4)



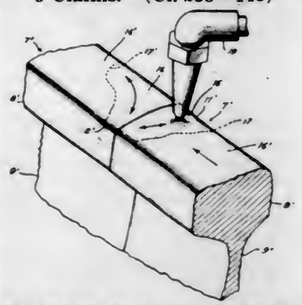
1. A refrigerating machine including a compressor, condenser and evaporator in circuit relation, a source of power for said compressor and control means therefor, a mechanism separate from said compressor adapted to be operated from said power source, means for manually connecting said mechanism to said power source and means for rendering said control means inoperative during the period said mechanism is connected to the power source.

2,075,841
ELECTRIC ADVERTISING DEVICE
Adolf Wertheimer, Dusseldorf, Germany
Application March 8, 1935, Serial No. 10,085
In Germany July 26, 1934
7 Claims. (Cl. 177—346)



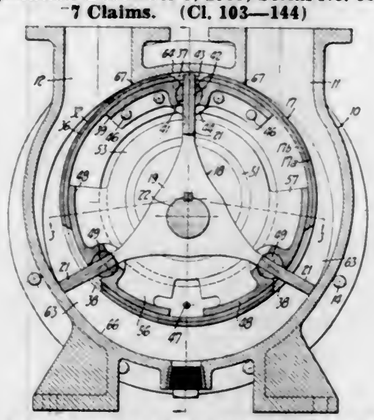
1. In a display lighting system for two or more lamps each having the usual terminals; a common wire connection between one terminal of each lamp; a normally closed thermostatic switch for the last lamp interposed in said connection toward the end thereof which is adapted to be continued to one pole of a current source; a normally opened thermostatic switch for each of the other lamps, and one of whose contacts is connected to the common conductor while the other contact is connected to the other terminal of the succeeding lamp, except the first lamp whose other terminal is adapted to be connected to the other pole of the current source; and means to operate each of the last mentioned thermostatic switches a predetermined time after energization of the corresponding lamp.

2,075,842
HEAT TREATED RAIL AND METHOD OF HEAT TREATING THE SAME
Harry S. George, Massapequa, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application September 6, 1933, Serial No. 688,334
5 Claims. (Cl. 238—148)



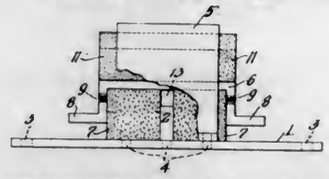
1. A rail having at an end thereof tread surface area hardened by heat treatment, said area being of such shape that at least a sufficient portion of the boundary back from the end of the rail between said area and the untreated portion of the rail tread surface adjacent thereto extends approximately diagonally across the rail tread surface to provide a run-off which will prevent rolling stock from passing abruptly from a hardened tread surface area to an untreated area or vice versa.

2,075,843
FLUID PUMP
Henry J. Gerdau, San Francisco, Calif.
Application December 9, 1935, Serial No. 53,480
7 Claims. (Cl. 103—144)



1. In a device of the character described, a hollow housing having fluid inlet and outlet openings, a drum disposed within the housing and rotatable about a fixed axis, an impeller disposed within the drum and rotatable about an axis eccentric with respect to the axis of rotation of the drum, the impeller including radially extending vanes having fixed angular relationship with respect to each other, said drum having cylindrically shaped peripheral wall portions which are fixed with respect to each other and which are interrupted by spaced slots to accommodate said vanes, one of said vanes having a positive drive connection to the drum, segmental shaped members associated with the remainder of the vanes and with said peripheral wall portions of the drum, said members serving as closures for said slots, and mounting means for said members enabling oscillating movement of the same through arcs of a circle concentric with respect to the axis of the drum.

2,075,844
CUSHIONING MEANS FOR SUPPORTING A BODY UPON A VEHICLE FRAME
Lester M. Goldsmith, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 12, 1934, Serial No. 720,298
4 Claims. (Cl. 248—358)



1. A cushion supporting device, which comprises a horizontal base, a web affixed to and extending upwardly from said base, cushioning means resting upon said base and engaging opposite sides of said web, a saddle member adapted for connection to a member to be supported, resting upon and partly confining said cushioning means, and held thereby out of contact with said web and base, a second web affixed to and extending from said saddle member, said second web being disposed above and at an angle to and out of contact with the web first mentioned, cushioning means resting upon said saddle member and engaging opposite sides of said second web, and a housing member extending from said base around and partly confining said first and second mentioned cushioning means.

2,075,845
METHOD OF STERILIZING
Paul M. Gross and Lawrence F. Dixon, Durham, N. C., assignors to Liggett & Myers Tobacco Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 5, 1933, Serial No. 669,620
8 Claims. (Cl. 167—39)

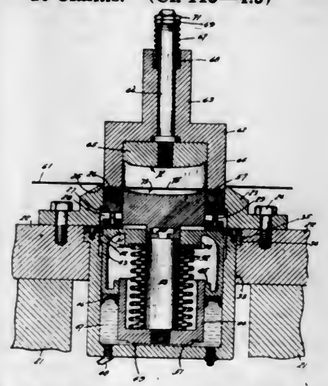
1. The method of sterilizing bacterial or microorganism contamination, which consists in adding moisture to and in enclosing contaminated objects, substances, or materials within an enclosure, reducing the pressure therein and then introducing ethylene oxide gas into the enclosure and permitting the objects, substances or materials to remain in the enclosure and in the presence of the gas and a predetermined amount of moisture for a pre-determined length of time, the amount of added moisture being sufficient to react with the gas to produce ethylene glycol.

2,075,846
LAXATIVE AUXILIARY FOOD FLAKES AND PROCESS OF MAKING SAME
Thomas W. Halliday, Los Angeles, Calif.
No Drawing. Application August 19, 1932, Serial No. 629,491
14 Claims. (Cl. 167—56)

1. A method of preparing gelatinous forming seeds for physiological consumption, including the steps of tempering the seeds to a predetermined moisture content and subjecting the seeds to the action of crushing rolls to produce flakes, and then drying the flakes at a temperature below that at which the gelatinous forming property of the seeds is impaired.

10. A process of preparing gelatinous forming seeds for physiological consumption, including the steps of tempering the seeds to a predetermined moisture content, adding flavoring matter to the seeds, subjecting the seeds to the action of crushing rolls to produce flakes, and then drying the flakes at a temperature below that at which the gelatinous forming property of the seeds is impaired.

2,075,847
ART OF DRAWING
John M. Hothersall, Brooklin, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 16, 1930, Serial No. 452,852
10 Claims. (Cl. 113—4.5)

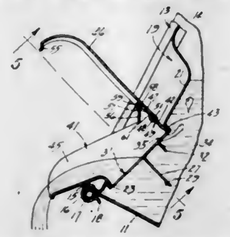


1. In a sheet metal drawing apparatus the combination, with cutting dies, a draw ring and an anvil, of a fluid-container, a movable member having a contact with the fluid and arranged to be pressed downward by the draw ring, another movable member connected with the anvil and arranged so as to be in contact with and to be pressed upward by the same fluid, and means for pressing said movable members away from each other to restore them to initial position.

2,075,848
POURING SPOUT CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 25, 1934, Serial No. 745,471
4 Claims. (Cl. 221—19)

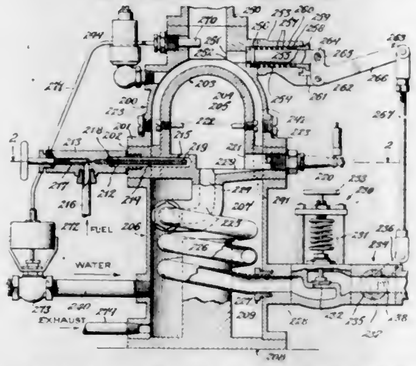
1. A container comprising a wall having a depression surrounded by a projecting rim, a portion of the wall within the depression having weakened sections adapted to be perforated to form a discharge opening and a vent opening for

the container, a pouring spout comprising a pouring lip and an annular open ended spout body rotatably disposed in said depression with the open end of the spout body surrounding said weakened sections and retained below the said projecting rim, said spout being movable into a pouring



position with its lip extending over said rim and adjacent said discharge opening, a hinged cover for said spout hingedly secured to said spout body and adapted to extend over and close said spout lip, and means for holding said cover in open position during discharge of the container contents over said spout lip.

2,075,849
PRESSURE GENERATOR
Marsden C. Hutto, Detroit, Mich., assignor, by direct and mesne assignments, to Pressure Generators, Inc., a corporation of Michigan
Application December 23, 1932, Serial No. 648,716
15 Claims. (Cl. 122—448)

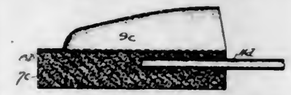


1. A heat generator of the character described, comprising a casing having a central portion, a shell projecting outwardly from one side of said central portion and forming a combustion chamber, a dome attached to said central portion and forming a jacket around said combustion chamber, means forming a boiler chamber at the opposite side of said central portion from said combustion chamber, said boiler chamber being in communication with the space between said shell and dome and said space having an outlet, means for exhausting the combustion chamber through a conduit extending through said central portion and boiler, means for admitting fuel and oxygen through said central portion to said combustion chamber and means for igniting said admitted fuel.

5. A heat generator of the character described, comprising means forming a combustion chamber having an exhaust, means for admitting fuel and oxygen in a continuous stream to said combustion chamber, means for igniting the continuously admitted fuel, means for controlling the admission of fuel and oxygen comprising a valve adjustably regulating the continuous escape of said exhaust and maintaining the desired continuing operating pressure within the combustion chamber, means providing a restricted bleeder for said combustion chamber thereby to insure continued operation of the generator when said valve is completely closed and means for absorbing the heat of the products of combustion.

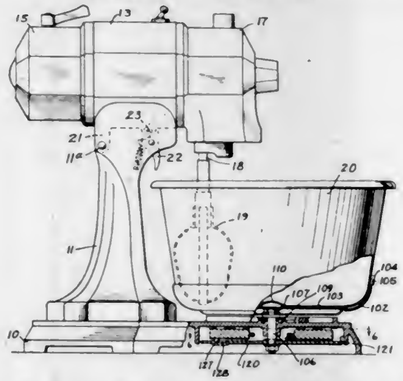
12. A heat generator of the character described, comprising means forming a combustion chamber having an exhaust line, means for admitting fuel and oxygen under pressure in a continuous stream to said combustion chamber, means for igniting the continuously admitted fuel, means for controlling the admission of fuel and oxygen comprising a positive valve in said exhaust line having an orifice, a head for adjusting the size of said orifice and means for positively moving said head to adjust the size of said orifice and means for heating a fluid from the heat of the products of combustion.

2,075,850
WASHING DEVICE
Axel A. Johnson, Holly, Mich.
Application May 13, 1935, Serial No. 21,154
1 Claim. (Cl. 15—130)



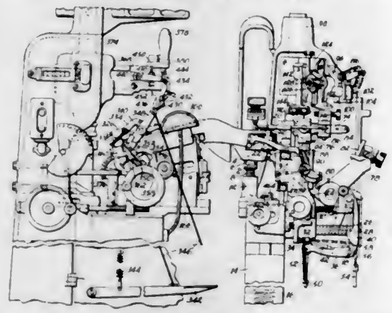
A car washing device comprising a flexible flat cellular pad, a flexible hollow hand receiving element formed of a moisture-proof material and secured to and covering the top side of said pad, said element having an open hand receiving end, and a flexible tube extending into said pad to a point substantially central thereof and horizontally inward of the side of the same beneath and in close proximity to the open end of said element.

2,075,851
FOOD HANDLING APPARATUS
Herbert L. Johnston, Troy, Ohio, assignor to The KitchenAid Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application April 7, 1934, Serial No. 719,491
12 Claims. (Cl. 259—85)



1. Food handling apparatus of the character described comprising a driving motor, a bowl, means for supporting said bowl providing for free rotation thereof, a beater operating in said bowl, and driving connections from said motor to said beater including a planetary transmission gearing, means in said gearing for rotating said beater on its axis, and means for rotating the beater axis about an axis positioned eccentrically of said bowl.

2,075,852
LASTING MACHINE
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 17, 1935, Serial No. 22,053
60 Claims. (Cl. 12—12)



1. In a lasting machine, a device for wiping an upper heightwise of a last about the toe end of the last, a work support yieldingly movable in a direction heightwise of the last, means for moving the last with said work support relatively to said wiping device by pressure on the bottom of the last to cause said device to wipe the upper heightwise of the last, said device being movable to adjust itself to the lateral swing of the forepart of a right or a left last in response to pressure of the work thereon, wipers for wiping the margin of the toe end of the upper inwardly over the bottom of the last, and means controlled by said wiping device for adjusting the wipers also in accordance with the lateral swing of the forepart of the last.

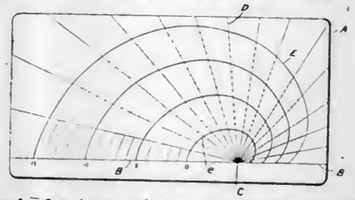
2,075,853
PROJECTION OF PICTURES FOR VIEWING IN STEREOSCOPIC RELIEF
Clarence W. Kanolt, New York, N. Y.
Application August 8, 1930, Serial No. 473,984
40 Claims. (Cl. 88—16.6)



1. The combination with a screen having a large number of small curved reflecting elements, of a single projector having a film carrying a composite picture for projection, said picture being divided into elements representing different aspects of the objects shown in the picture, the projected images of said elements being in registry with the reflecting elements of the screen.

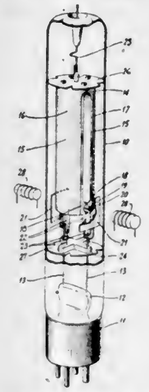
2,075,854
PREDICTING DEVICE
James C. Karnes, Buffalo, N. Y.
Application February 13, 1935, Serial No. 6,355
3 Claims. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A predicting device comprising a plate having an origin point, radial lines leading from said point, an origin curve plotted from the origin point and crossing the radial lines, said curve establishing different units of measure from the origin point and representing different distances



of travel of a target for a stated interval of time and a plurality of curves establishing multiples of the units of measure established by the origin curve and marked in units of time from the origin curve outward.

2,075,855
MAGNETRON
George R. Kilgore, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 29, 1936, Serial No. 66,379
5 Claims. (Cl. 250—27.5)

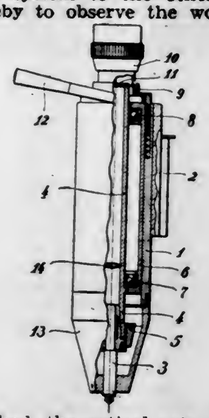


1. A magnetron having an envelope containing an elongated U-shaped member, the legs of which have a comparatively large transverse cross section and are of comparatively large mass, the inner facing surfaces of said legs being closely spaced, flat and parallel, a pair of anode segments at the free ends of said legs on the inside surfaces thereof and having oppositely disposed semi-cylindrical surfaces providing a cylindrical chamber the axis of which is parallel to the flat surfaces of the legs of said U-shaped member, a straight thermionic cathode positioned axially of said cylindrical chamber and means for inducing a magnetic field longitudinally of said cathode.

2,075,856
OPTICAL DRILLING TOOL
Ernst Leitz, Jr., Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application December 14, 1935, Serial No. 54,383
In Germany January 2, 1935
3 Claims. (Cl. 77—5)

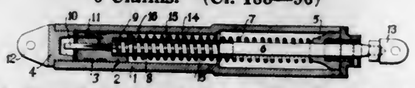
1. In a working tool including a hollow operating shaft, an optical system in said shaft, means for detachably connecting a tool to one end of said shaft being driven thereby and means for detachably connecting the ocular of

said optical system to the other end of said shaft whereby to observe the work when said



tool is detached, the optical axis of said optical system being coincidental with the operable axis of the said shaft and tool.

2,075,857
HYDRAULIC BRAKE, ESPECIALLY FOR LIFTING TRUCKS
Jakob Loef, Moosburg, Germany
Application September 3, 1931, Serial No. 561,033
Renewed April 4, 1935
6 Claims. (Cl. 188—96)



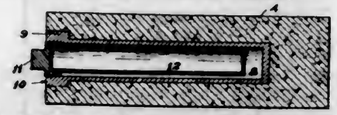
1. In a lifting truck having a carrying frame and a lifting frame movable upon said carrying frame, a hydraulic brake for checking the lowering movement of the lifting frame, comprising a fluid cylinder having one end connected to one of said frames, a piston rod received in said cylinder through the free end thereof and connected at its outer end portion to the other of said frames, a piston carried by the piston rod and reciprocating with the latter in the cylinder, a passageway formed in said piston and establishing communication between the cylinder spaces in front and in back of the piston, a valve slidably mounted in said piston and interposed in the passageway, means on said valve to vary the cross sectional area of said passageway with the sliding movement of the valve, spring means acting upon the valve and normally urging the latter to a position corresponding to the maximum effective cross sectional area of said passageway, and other spring means encompassing said first-named spring means and acting upon the piston.

2,075,858
METHOD FOR MAKING GASKET STRIPS
John James MacKay, Willowdale, Nova Scotia, Canada
Application March 30, 1934, Serial No. 718,224
2 Claims. (Cl. 91—68)



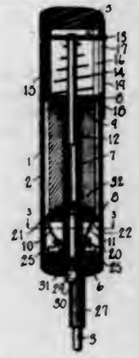
1. The method of oil-proofing a fabric gasket, the same comprising the saturation of the fabric with a fluent mixture of the solutions of gum arabic, starch and glycerin in equal proportions.

2,075,859
GRAVE MARKER
James Martin, Maple, Ontario, Canada
Application September 16, 1936, Serial No. 101,035
5 Claims. (Cl. 40—124.5)



5. A grave marker comprising an elongated block of mouldable material, a cylinder mouldably embedded therein with an open end flush with an end of the block, a plug having a screw-threaded connection with the open end of the cylinder, and a container lodged in the bore of the cylinder with an open end threadedly connected to the plug.

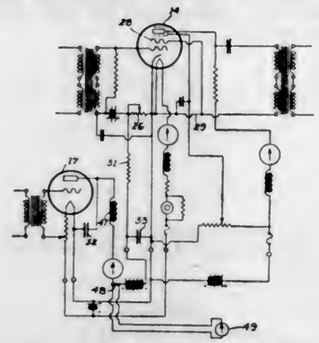
2,075,860
VOLTAGE TESTER
Hugh F. Mehaffie, Kalamazoo, Mich., assignor to The Wigginton Company, Kalamazoo, Mich.
Application December 13, 1935, Serial No. 55,185
12 Claims. (Cl. 171—95)



12. In a voltage tester, the combination with a tubular casing of insulating material and an end member of insulating material, of a coil provided with a supporting spool of insulating material disposed in said casing in spaced relation to said end member, a tubular spacing member between said spool and the end member, and an anchoring pin pressed into said end member and spool.

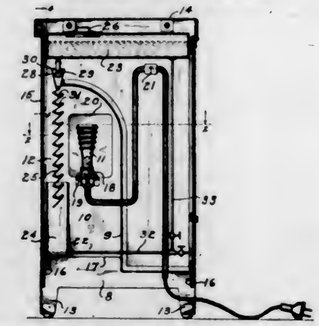
2,075,861
MEANS FOR REGULATING BALANCE BETWEEN CURRENTS IN ASSOCIATED CIRCUITS
William A. Mueller, Hollywood, Calif., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application August 11, 1933, Serial No. 684,669
2 Claims. (Cl. 179—100.3)

1. A sound recording circuit comprising the combination of a plurality of audio frequency circuits, a common output circuit therefor, an amplifier in one of said audio frequency circuits, a rectifier connected to said amplifier and also connected to supply rectified current to another of said audio frequency circuits for controlling the volume of audio frequency currents in said other circuit, and means included in the circuit interconnecting said rectifier and said last mentioned audio frequency circuit, said means comprising a circuit having a series inductance of approximately 232 henries, a condenser shunting said circuit on one side of said inductance of approximately 2 m. f. and a condenser shunting said circuit on the other side of said inductance



of approximately 2 m. f., said inductance and condensers providing a definite amount of delay in the controlling action of the rectified currents from said rectifier.

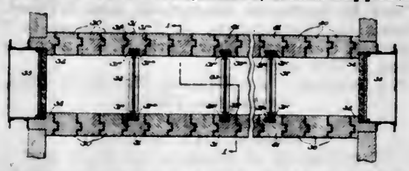
2,075,862
HUMIDIFIER
James E. Myers, Whitefish Bay, Wis.
Application February 19, 1934, Serial No. 711,888
Renewed September 8, 1936
10 Claims. (Cl. 261—15)



1. In combination, means forming a gas passage, a series of porous troughs extending across said passage, a liquid header having a series of openings disposed above an upper one of said troughs, wicks in said openings for conducting liquid thru said openings to said upper trough, and means for conducting excess liquid from the upper trough to the troughs below.

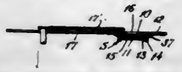
2,075,863
HEAT TRANSFER APPARATUS AND REFRACTORY WALL STRUCTURE THEREFOR
Arthur E. Nash, Philadelphia, Pa., assignor to Alcorn Combustion Company, Philadelphia, Pa., a corporation of Delaware
Application December 19, 1934, Serial No. 758,851
21 Claims. (Cl. 122—356)

1. In a heat transfer apparatus, a refractory wall comprising a plurality of loosely stacked refractory blocks having complementary interengaging tongues and grooves extending longitudinally of said wall, a group of said blocks having also locking recesses extending normal to said wall and in vertical alignment, and a supporting



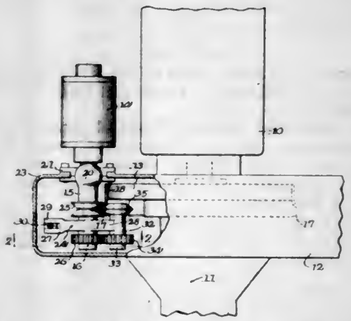
and locking member engaging said vertically aligned recesses.

2,075,864
SELF-LUMINOUS INSTRUMENT
John E. Paul, Newark, N. J., assignor to United States Radium Corporation, New York, N. Y., a corporation of Delaware
Application March 23, 1935, Serial No. 12,746
12 Claims. (Cl. 40—134)



1. In a self-luminous instrument, in combination, a dial plate, a self-luminous screen comprising a flat container filled with self-luminous material and having a transparent wall disposed adjacent the under surface of said dial plate, said dial plate including contrasting opaque and transparent means over and aligned with said transparent wall of said screen and shaped to define dial indicia against the luminous background of said screen, indicating means, and means for permitting relative movement between said indicating means and said indicia defining means.

2,075,865
MOTOR STARTER
Elwood C. Phillips, Evanston, Ill.
Application March 2, 1936, Serial No. 66,660
8 Claims. (Cl. 74—8)

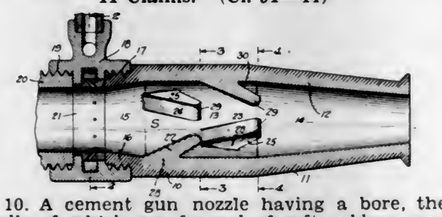


1. In an engine starting mechanism, the combination with an engine having a flywheel provided with a rim; of a lever member pivoted for swinging movement, said lever member having the pivot thereof disposed eccentrically to the axis of rotation of said flywheel; rotary friction drive members mounted on said lever member and arranged on the inner and outer sides of said rim; means for rotating said friction drive members; and means for rocking said lever member on its pivot to bring said drive members into clamping frictional engagement with the inner and outer sides of said rim.

2,075,866
TREATMENT OF TAR
Arthur H. Radasch, Bloomfield, and Wilfred M. Bywater, Weehawken, N. J., assignors to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 21, 1934, Serial No. 716,698
In Canada July 15, 1933
24 Claims. (Cl. 260—154)

1. The method of treating tar-acid- and neutral-oil-containing liquid hydrocarbon material which comprises heating the hydrocarbon material above its initial boiling point and flashing the heated material to vaporize tar acids therefrom, separately collecting the vapors and heated residue, passing vapors thus collected in contact with an alkaline reagent to absorb the tar acid vapors, vaporizing tar acids from the residue in a current of inert gases and bringing the gases containing tar acid vapors from said residue into contact with an alkaline reagent separate from the aforesaid alkaline reagent whereby tar acid vapors are extracted.

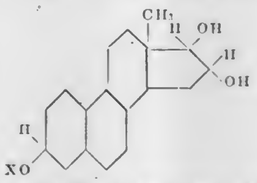
2,075,867
CEMENT GUN NOZZLE
Henri Sampel, Burbank, Calif.
Application January 16, 1935, Serial No. 2,130
11 Claims. (Cl. 91—44)



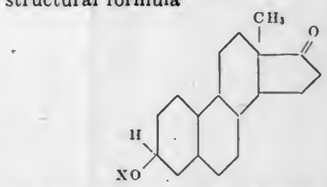
10. A cement gun nozzle having a bore, the walls of which are formed of soft rubber; and an annular series of ribs formed integrally with said walls and disposed at a forward angle and having free ends disposed and adapted to be set in pulsatory motion by contact of cement aggregate therewith during movement of a stream of said aggregate through the bore toward the discharge end of the nozzle.

2,075,868
GERMINAL GLAND HORMONE DERIVATIVES OF THE FORMULA $C_{18}H_{28}O_2$ AND METHOD OF MAKING SAME
Walter Schoeller, Berlin-Westend, and Friedrich Hildebrandt, Hohen Neuendorf, near Berlin, Germany, and Erwin Schwenk, New York, N. Y., assignors to Schering-Kahlbaum A. G., Berlin, Germany
No Drawing. Application October 24, 1933, Serial No. 694,998. In Germany, October 27, 1932
4 Claims. (Cl. 260—131)

1. A method of producing keto alcohols of the formula $C_{18}H_{28}O_2$ and their acyl derivatives which comprises subjecting reduction products of follicle hormones having the following structural formula

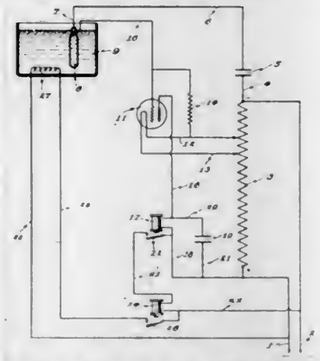


wherein the substituent groups on each of the end rings are most likely in the positions shown wherein X represents a group taken from the class consisting of hydrogen and acyl, to a treatment with a dehydrating agent adapted to split off water between the two neighboring hydroxyl groups, whereby compounds of the following structural formula



wherein the substituent groups on each of the end rings are most likely in the positions shown are obtained.

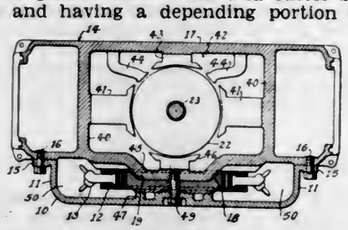
2,075,869
POWER CIRCUIT
Paul Sherrick and Charles H. Miller, Chicago, Ill., assignors to E. H. Sargent & Co., Chicago, Ill., a corporation of Illinois
Application May 6, 1935, Serial No. 20,058
5 Claims. (Cl. 219—20)



5. Apparatus of the class described, comprising a thermostatic circuit closer, an electronic tube, a grid circuit having a condenser in series with said circuit closer, a plate circuit including a relay, a potential divider having a pair of taps connected to the filament of said tube and arranged to give through a grid leak zero grid bias on an open circuit and excessive grid bias on a closed grid circuit, whereby said circuit closer controls said relay and makes substantially a potential contact rather than a current contact, electrical heating means positioned to influence said circuit closer, and a power circuit for said heating means controlled by said relay.

2,075,870
MINING MACHINE
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 30, 1934, Serial No. 737,533
Renewed June 27, 1936
17 Claims. (Cl. 262—30)

1. In a room and pillar mining machine, a horizontal cutter bar having a cutter chain movable thereabout in a closed orbital path, and drive means for said cutter chain including a horizontal motor having a motor casing with a major portion disposed above said cutter bar and cutter chain of greater width than said cutter bar and chain and having a depending portion of less

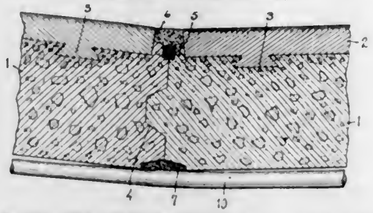


horizontal area than said major portion which lies within the orbit of said cutter chain.

2,075,871
PROCESS OF TREATING PETROLEUM PRODUCTS
Frank L. Smith, Olean, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 7, 1935, Serial No. 9,807
2 Claims. (Cl. 196—41)

1. The process of treating a petroleum product of the class consisting of petrolatum, neutral oils, waxes, and mineral seal oils for the removal therefrom of "distillate" odors and tastes, which comprises adding thereto a reagent consisting of an alkaline solution to which has been added a demulsifying soap which is the product obtained by treating neutralized acid sludge "liver" from petroleum refining with "white water" from petroleum refining, agitating the mixture while heating to a temperature not in excess of 180° F., and subsequently separating the reagent from the oil.

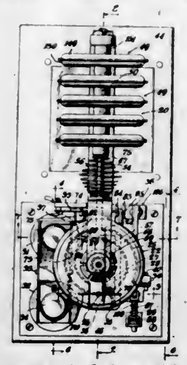
2,075,872
STAVE SILO
Warren H. Smith, Lake Orion, Mich.
Application September 12, 1935, Serial No. 40,243
5 Claims. (Cl. 72—6)



1. A silo, the walls of which are constructed of staves having a body portion of concrete with tongue and groove joints at their vertical edges with rabbeted grooves at their inner face edges filled with a cement joint material, and recesses at their outer face edges to form grooves, a vitrified liner plate for each stave connected thereto by a suitable dovetail and bonded to the inner surface of said stave, such stave body portion projecting beyond the same to form a dovetail recess between the said liner plates, a packing of asphaltic plastic material between the said liner plates, and a hoop for retaining the staves in place.

2,075,873
THERMOSTAT
August A. Strand, Malden, Mass., assignor to G and N Engineering Company, Boston, Mass., a corporation of Massachusetts
Application October 20, 1931, Serial No. 569,916
15 Claims. (Cl. 175—375)

1. In a thermostat, a base, a temperature responsive bellows secured rigidly to said base at one end and having a rod at its other end, a shaft rotatably mounted on said base, a contact on said shaft, a flexible member wrapped around



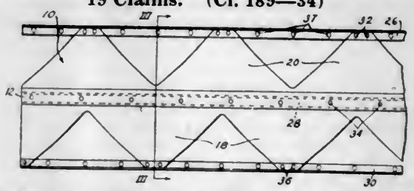
said shaft and connected to said rod whereby longitudinal movement of said bellows imparts rotation to said shaft, and a contact adapted to be engaged by said first contact.

2,075,874
FRAMELESS BUILDING
Walter H. Stulen, Pittsburgh, Pa.
Application March 30, 1935, Serial No. 13,868
14 Claims. (Cl. 189—34)



7. A metal building unit capable of being fabricated into walls, floors, columns and similar building structures, said unit including a strip of metal having a flat base portion with similarly but opposite-inclined edge portions, and longitudinally-extending strengthening means secured to the flat base and to the extreme lateral edges of the strip.

2,075,875
FRAMELESS BUILDING UNIT
Walter H. Stulen, Pittsburgh, Pa.
Application June 20, 1936, Serial No. 86,367
19 Claims. (Cl. 189—34)

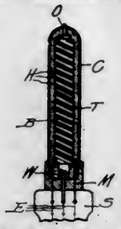


9. A structural unit comprising a continuously repeated zigzag strip in plan, said strip being bent along a center longitudinal, and rolled metal sections secured to the central portion and to the edge portions of the strip.

2,075,876
CATHODE ORGANIZATION
Carl J. R. H. von Wedel, Berlin, Germany, assignor, by mesne assignments, to Electrons, Inc., a corporation of Delaware
Application December 28, 1927, Serial No. 243,042
Renewed January 22, 1931
27 Claims. (Cl. 250—27.5)

3. In a discharge tube, the combination of a stem, lead-in wires through said stem, an elec-

trode support carried by said stem and in conductive continuation of one of said lead-in wires, a cathode thimble carried by and surrounding



said support, a cathode heater within said thimble, and means for spacing said heater element from said support and said thimble.

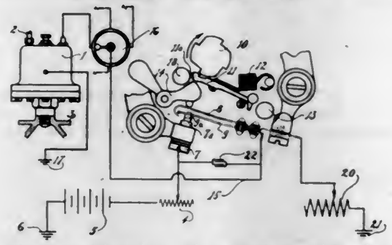
2,075,877

FUEL INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES

Brooks Walker, Piedmont, Calif.

Application August 20, 1930, Serial No. 476,625

8 Claims. (Cl. 123—32)



1. The combination of a reciprocable device, an electromagnet including a coil which operates said device, a circuit including said coil which moves said device in one direction, means which moves said device in the other direction, a second circuit with a variable resistance including said coil for controlling the rate of decline of flux in the electromagnet, and switch means which periodically breaks the first circuit and makes the second circuit.

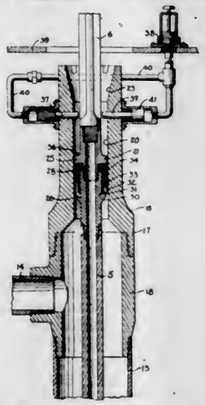
2,075,878

WELLHEAD CONTROL

Bob Young, Henderson, Tex., assignor to Granville A. Humason, Houston, Tex.

Application September 7, 1933, Serial No. 688,440

6 Claims. (Cl. 255—1)



1. A casing head for wells including a body, a bore therein in combination with a drill stem and a closure member thereon, said member including a mandrel, a head, a packing on said mandrel and supported against upward movement by said head, and means carried by said casing and operable from the derrick floor to limit the upward movement of the closure member in said casing head.

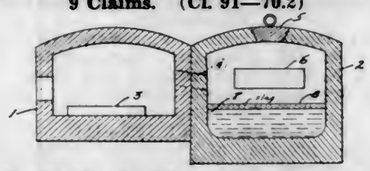
2,075,879

METHOD OF COATING IRON, STEEL OR STEEL ALLOYS

Cleburne A. Basore and Daniel T. Jones, Auburn, Ala., assignors, by direct and mesne assignments, to The Chemical Research and Development Company, Birmingham, Ala., a corporation of Delaware

Application March 16, 1935, Serial No. 11,500

9 Claims. (Cl. 91—70.2)



1. A method of coating iron, steel or steel alloy articles with a coating of steel alloy which comprises heating the article to substantially a red heat, applying under reducing conditions to the surface of the article, a mass of molten material at about 2300° F. composed of 6 to 18 parts of iron, 6 to 18 parts of steel, ferromanganese 2 to 8 parts, ferrochrome 2 to 8 parts, carbon .5 to 1.5 parts, borax .5 to 1.5 parts and water glass solution 2 to 8 parts.

2,075,880

HAIR CURLING DEVICE

Blanche Elsie Beadle, Springfield, Mass.

Application July 7, 1934, Serial No. 734,071

13 Claims. (Cl. 132—41)



1. In a hair curling device, the combination of an elongated body, a locking member pivotally connected at one end to the body adjacent one end thereof and movable longitudinally relative to the body to effect a releasable connection at its free end to the corresponding free end of the body, said releasable connection including a reversely-turned means on the free end of the member insertable in an opening in the free end of the body, and resilient means normally opposing longitudinal movement of said member away from the body.

2,075,881

DROP LEAF SWIVEL TOP EXTENSION TABLE

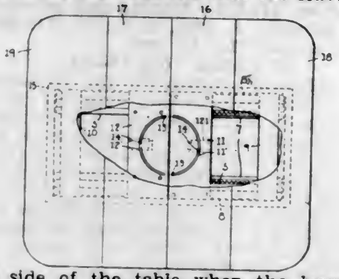
Nicholas Bekius, Grand Rapids, Mich., assignor to Robert W. Irwin Company, Grand Rapids, Mich.

Application June 11, 1936, Serial No. 84,727

4 Claims. (Cl. 311—42)

1. In a drop leaf swivel top extension table, the combination of a suitable table body with

supports therefor, a central turn-table for the top comprising a pair of plank supports with semi-circular slots, a top comprising a pair of permanent leaves, hinged fall leaves hinged thereto of such dimensions that the leaves drop



at the side of the table when the leaves are turned parallel therewith and are supported by the body of the table when turned at right angles thereto, said permanent leaves bearing pins or screws to engage said semi-circular slots and limit and guide their movement.

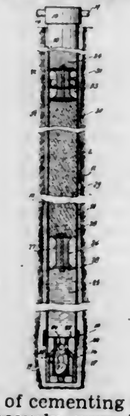
2,075,882

METHOD OF CEMENTING WELLS

John E. Brantly, Avenal, Calif.

Application October 4, 1935, Serial No. 43,522

13 Claims. (Cl. 166—21)



4. The method of cementing well casing that includes, simultaneously pumping two successive volumes of cement downwardly through the casing, discharging one of said volumes of cement into the space surrounding the casing and allowing it to at least partially set to form a barrier above the lower end of the casing, and forcing the other volume of cement into said space immediately below said barrier.

2,075,883

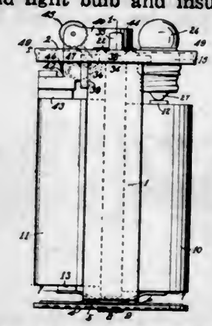
COMBINED ELECTRIC AND FLAME LIGHT

Otto C. Britsch, Woodhaven, N. Y., assignor to Henry Hyman, Brooklyn, N. Y.

Application November 11, 1932, Serial No. 642,269

9 Claims. (Cl. 240—10.6)

1. In a device of the character described, a support, a liquid fuel container upon which said support rests, a wick extending from said container, an electric light bulb extending through said support, a member fulcrumed on said support and carrying an insulating extension, a spark device carried by said member in proximity to said wick, a pair of dry cells contacting at one end with said light bulb and insulating exten-



sion respectively, and a lever maintained by said container contacting with the other ends of said cells.

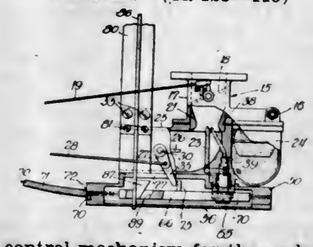
2,075,884

CARBURETOR CONTROL

Herbert E. Bucklen, Elkhart, Ind.

Application August 10, 1932, Serial No. 628,174

8 Claims. (Cl. 123—119)



1. A control mechanism for the carburetors of internal combustion engines and the like comprising a shiftable member operatively connected with the carburetor to modify the fuel mixture, means including a rack and pinion for shifting said member, a flexible cable connected with said rack for manually shifting the latter to move said shiftable member away from a normal running position to a starting position, and temperature responsive means acting through said first mentioned means for automatically returning said shiftable member back to its normal running position as the temperature of the engine increases.

2,075,885

SEALING COMPOUND

George R. Carlson, Newark, and Robert J. Stoetzel, Union, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application March 4, 1936

Serial No. 67,072

4 Claims. (Cl. 106—8)

1. A sealing compound comprising about 200 parts by weight of rosin, about 10 parts by weight of hydrated lime, and about 12 parts by weight of abietic esters.

2,075,886

TUBE MAKING APPARATUS

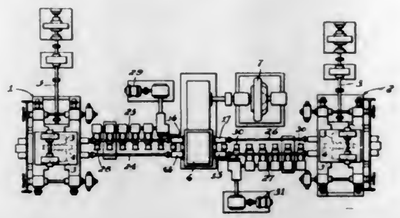
August P. Diescher, Pittsburgh, Pa., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa., a corporation of Delaware

Application May 2, 1936, Serial No. 77,523

2 Claims. (Cl. 80—54)

1. A mill for acting upon tubular blanks, comprising a pair of cross-rolling mills arranged in

tandem for successive action upon tubular blanks, each mill including helically acting cross-rolls, a gear box positioned between said



mills and across the line of pass through them, and driving spindles extending from the gears in said box to the cross-rolls of each of the said mills.

2,075,887

METHOD OF FINISHING KNIT FABRICS

Camille Dreyfus, New York, N. Y.

No Drawing. Application December 8, 1932, Serial No. 646,305

8 Claims. (Cl. 223—52)

1. Method of finishing hosiery containing organic derivatives of cellulose such as cellulose acetate to avoid creases and wrinkles, which comprises drawing the hosiery onto individual forms, then, after boarding said hosiery, wetting said hosiery with an oil emulsion at a temperature insufficient to cause delustering and drying the same while on the forms.

2,075,888

PRODUCTION OF ARTIFICIAL FILAMENTS, THREADS, RIBBONS OR THE LIKE BY THE DRY SPINNING METHOD

Henry Dreyfus, London, England

No Drawing. Application March 13, 1931, Serial No. 522,530. In Great Britain May 6, 1930

14 Claims. (Cl. 18—54)

1. In a process for the manufacture of artificial filaments, threads and like materials of increased extensibility and low filament denier, by extruding a solution of a cellulose derivative into an evaporative atmosphere, the step of forming said solution by dissolving said cellulose derivative in a solvent medium comprising a volatile solvent, 6 to 12% by weight of a non-solvent liquid of higher boiling point than the said volatile solvent and a solvent of higher boiling point than said non-solvent liquid, the proportion of non-solvent liquid to solvent of higher boiling point in the solvent medium being between 3:1 and 1:3 by weight.

2,075,889

MANUFACTURE OF ALIPHATIC ANHYDRIDES

Henry Dreyfus, London, England

No Drawing. Application August 22, 1933, Serial No. 686,316. In Great Britain August 26, 1932

8 Claims. (Cl. 260—123)

1. Process for the manufacture of a lower aliphatic anhydride by the thermal decomposition of the corresponding acid, which comprises passing the acid through a molten composition comprising, as an essential constituent, a substance having at most moderate affinity for water and selected from the group consisting of metal borates, metal vanadates and metal molybdates.

2,075,890

MANUFACTURE OF ARTIFICIAL PRODUCTS BY DRY SPINNING PROCESSES

Henry Dreyfus, London, England

No Drawing. Original application April 15, 1930, Serial No. 444,621. Divided and this application February 8, 1934, Serial No. 710,348. In Great Britain May 17, 1929

12 Claims. (Cl. 18—54)

1. A spinning solution for the production of artificial materials by dry spinning processes comprising an organic derivative of cellulose dissolved in a medium which comprises a volatile solvent, a less volatile non-solvent and a still less volatile solvent, in which the proportions of volatile solvent to non-solvent are such that the mixture containing only these two substances in these proportions is a non-solvent and the amount of less volatile solvent is such as to confer solvent properties on the mixture.

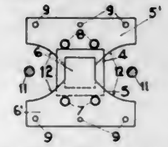
2,075,891

ELECTRIC CONDENSER

William Dubilier, New Rochelle, N. Y., assignor to Cornell-Dubilier Corporation, New York, N. Y., a corporation of New York

Application May 24, 1934, Serial No. 727,237

14 Claims. (Cl. 175—41)



11. An electrical condenser comprising a stack of condenser sections, each section consisting of a plurality of interleaved conductive and dielectric sheets, the conductive sheets being larger than the dielectric sheets and projecting alternately at opposite sides of the dielectric sheets to provide an increased projecting contact area to the surrounding medium of the condenser, insulating separators arranged between the sections, the projecting portions of the sections being provided with holes close to and along the edge of the dielectric sheets and a filling of solder connecting coinciding holes of adjacent sections, end pressure blocks placed at the ends of said stack and walls of insulating material provided with perforations fastened to said blocks to provide an enclosure for the condenser structure.

13. An electrical condenser structure comprising a stack of condenser sections each section comprising a plurality of interleaved sheets of conductive and dielectric material, the conductive sheets being larger than the dielectric sheets and projecting alternately at opposite sides of the dielectric sheets to provide increased projecting contact area of the surrounding medium of the condenser, insulating separators arranged between the sections, means for electrically connecting the projecting portions close to and along the edge of the dielectric sheets, pressure members placed at the ends of said stack, and perforated walls of insulating material secured to said members to provide an enclosure for the condenser.

2,075,892

RAILWAY CONTROL AUTO STOP

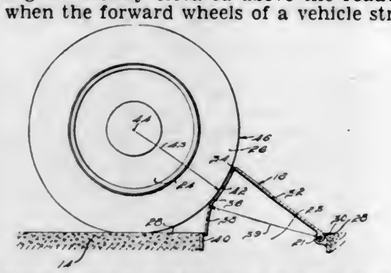
Edward S. Evans, Detroit, Mich., assignor to Evans Products Company, a corporation of Delaware

Application July 25, 1935, Serial No. 33,037

3 Claims. (Cl. 39—6)

1. A crossing carrier disposed to be retractably and projectably mounted across a roadway to

present, when projected, an impact surface for the forward wheels of vehicles for obstructing the passage thereover of said vehicles, characterized as being sufficiently elevated above the roadway that when the forward wheels of a vehicle strike



the barrier impact surface, said barrier subjects said wheels to an upward force sufficient to substantially counteract the forces due to the retardation of the vehicle tending to throw an occupant forwardly in the vehicle.

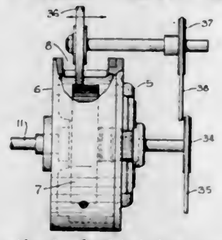
2,075,893

SYNCHRONOUS MOTOR AND METHOD OF CONSTRUCTING SAME

Clair L. Farrand, Larchmont, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware

Application April 18, 1935, Serial No. 17,097

7 Claims. (Cl. 171—252)



7. The method of obtaining concentricity between the outer surface of a rotor and its axis of rotation which comprises assembling the rotor in its bearings with the field frame while leaving out the field magnet, thereby providing space for a grinding tool and in grinding the outer surface of the rotor to concentricity with the center line through said bearings while thus assembled.

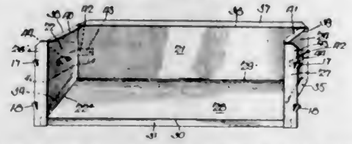
2,075,894

WINDOW VENTILATOR FOR DOUBLE HUNG SASH

Henry M. Gebhardt, Chicago, Ill.

Application November 4, 1935, Serial No. 48,172

6 Claims. (Cl. 98—99)



1. A window ventilator formed of a sheet of metal blank, folded to form a vertical front wall and side walls inturned therefrom, a bottom wall folded along the lower edge of the front wall with its ends underlying the side walls, the free ends of said side and bottom walls being folded outwardly to form a substantially flat and narrow surface on three edges of the ventilator, the two ends of said bottom wall being upturned and converging toward the front wall forming means for limiting the outward positioning of the side walls while permitting of their inward movement.

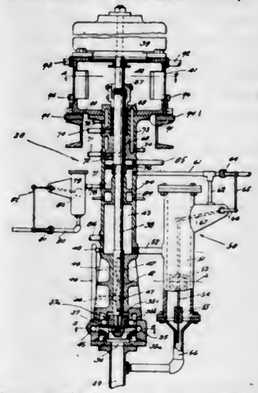
2,075,895

MOLTEN METAL PUMP

Wayne A. S. Harmon, Los Angeles, Calif.

Application May 21, 1934, Serial No. 726,652

5 Claims. (Cl. 103—111)



1. A molten metal pump comprising a body containing a pumping chamber and a gas chamber above the pumping chamber, a rotary pumping element in said pumping chamber, a shaft connected to the pumping element and extending within the gas chamber, a shaft bearing between said chambers and lubricated with molten metal forced longitudinally along the shaft from the pumping chamber, a cylinder communicating with said gas chamber and with the pumping chamber and containing a body of molten metal fed from the gas chamber, a float in said cylinder, a high pressure gas supply line connecting with said cylinder and the gas chamber, and a gas flow control valve in said line operated by said float.

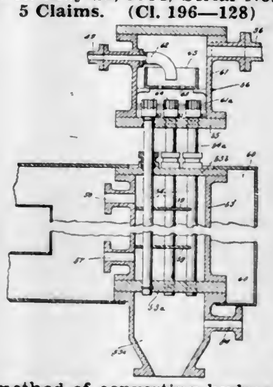
2,075,896

OIL CRACKING PROCESS

Wayne A. S. Harmon, Los Angeles, Calif.

Application May 21, 1934, Serial No. 726,653

5 Claims. (Cl. 196—128)



2. The method of converting hydrocarbon oils comprising passing the oil downwardly over the

inner surface of an internally unobstructed vertically oriented and substantially cylindrical heating tube of small diameter as compared with its length, in a film-like stream of progressively increasing temperature in its direction of flow, thereby leaving an unobstructed central vapor space surrounded by said film-like stream, circulating a stream of molten metal in contact with the outer surface of said tube and thereby heating the outer surface of the tube from the outside only, to a temperature causing oil in that portion of the stream immediately adjacent said inner surface of the tube to crack and liberate cracked vapors into said central vapor space, and subjecting vapors to condensation and recycling within the tube by passing them upwardly through said space in direct contact with the surrounding and relatively cooler portion of the oil-film stream in the upper portion of said tube.

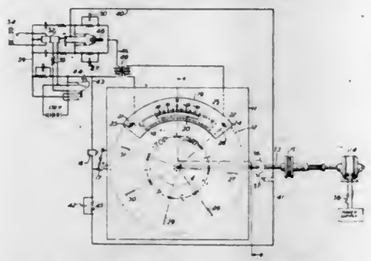
4. The method of converting hydrocarbon oils comprising passing the oil downwardly over the inner surface of an internally unobstructed vertically oriented and substantially cylindrical heating tube of small diameter as compared with its length, in a film-like stream of progressively increasing temperature in its direction of flow, thereby leaving an unobstructed central vapor space surrounded by said film-like stream, heating the outer surface of said tube from the outside only, to a temperature causing oil in that portion of the stream immediately adjacent said inner surface of the tube to crack and liberate cracked vapors into said central vapor space, subjecting vapors to condensation and recycling within the tube by passing them upwardly through said space in direct contact with the surrounding and relatively cooler portion of the oil-film stream in the upper portion of said tube, and regulating the rate of oil flow in said stream by varying the counter-current vapor velocity.

2,075,897

SIGNAL DISTORTION INDICATING AND MEASURING DEVICE

Richard B. Hearn, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 23, 1933, Serial No. 677,204
9 Claims. (Cl. 178—69)



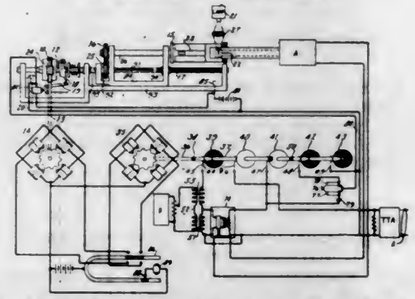
1. The method of measuring at the receiving end of a transmission circuit the distortion of signal combinations composed of signal impulses of definite lengths which consists in rotating in synchronism with the incoming signal impulses a disk having a plurality of radially positioned sighting elements spaced in time relation in accordance with the length and sequence of the impulses of said signal combinations, impressing at the beginning and ending of each signal impulse a voltage across the terminals of an inertialess device to momentarily illuminate certain of said elements, in turn, and determining with respect to a fixed point the position of each illuminated element, in turn, to indicate the amount of distortion present in the corresponding signal impulses.

2,075,898

SYNCHRONIZING SYSTEM

Joseph W. Horton, Cambridge, Mass., and Donald M. Terry, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 11, 1925, Serial No. 36,357
Renewed September 5, 1930
19 Claims. (Cl. 178—69.5)



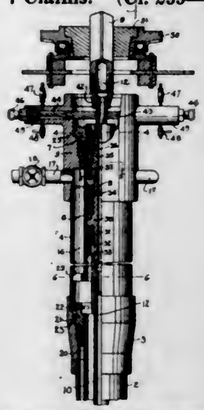
1. A signaling system comprising a sending station, a receiving station, continuously movable means at said sending station adapted to operate in synchronism with corresponding continuously movable means at said receiving station, means controlled jointly by said sending and receiving stations for determining the synchronous operation of the continuously movable means, said last-mentioned means being responsive only to signaling current of characteristic amplitude.

2,075,899

DRILLING HEAD

Granville A. Humason, Houston, Tex.

Application September 12, 1933, Serial No. 689,066
7 Claims. (Cl. 255—1)



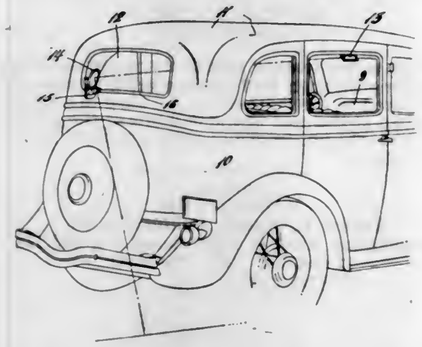
1. A drilling control head comprising a casing, a casing head thereon, a working barrel carried by said head, a sealing assembly forming a part of the drill stem and disposed in said working barrel and adapted to form a seal with said barrel during the drilling operation, and means also on said casing head to hold said sealing assembly against removal, said means including transversely movable gate members.

2,075,900

PARKING DEVICE

Alfred F. Jackson, Providence, R. I., assignor to Lewis R. Smith, receiver of Apco Mossberg Corporation, a corporation of Rhode Island

Application August 25, 1934, Serial No. 741,456
1 Claim. (Cl. 88—86)



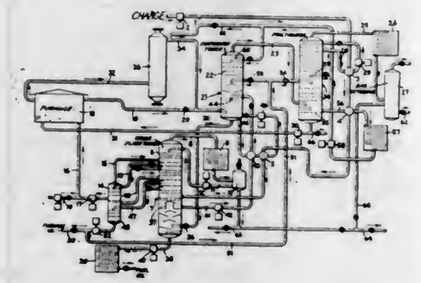
In combination with a motor vehicle, a rear view mirror forward of the driver's seat, reflecting means fixed at the rear of the vehicle in reflecting relationship with said mirror, said reflecting means being so positioned as to cooperate with said rear view mirror to bring to the center of the field of vision of a person in the driver's seat an image of the rear bumper of a second vehicle which is between one and two feet to the right of said first vehicle when the rear ends of the two vehicles are approximately on the same line transverse to the curb, and to bring to the center of the field of vision of a person in the driver's seat an image of the curb along which the vehicle is to be parked after the vehicle has been backed, with its wheels turned to the fullest extent to the right a distance such that when the backing movement is continued with the wheels turned to the fullest extent to the left, the vehicle will clear the said second vehicle.

2,075,901

PROCESS FOR THE TREATMENT OF HYDROCARBON OIL

Stephen S. Johnson, Jr., Short Hills, N. J., assignor to Gasoline Products Co. Inc., Newark, N. J., a corporation of Delaware

Application August 31, 1934, Serial No. 742,240
8 Claims. (Cl. 196—48)



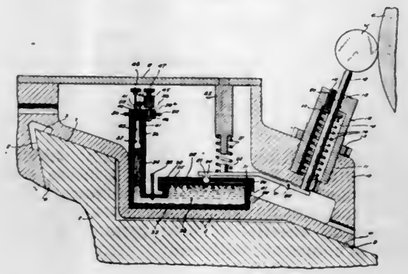
8. The process of treating hydrocarbon oil which comprises passing a clean distillate stock through a cracking zone wherein it is raised to a cracking temperature and subjected to conversion, introducing the resulting cracked products into an evaporating zone wherein vapors separate from liquid residue, passing resulting vapors into a fractionating zone wherein they are subjected to fractionation with the resulting formation of a reflux condensate, removing fractionated vapors from said fractionating zone and condensing them as a desired product, removing reflux condensate from said fractionating zone and utilizing it as said clean cracking stock first mentioned, removing liquid residue from said evaporating zone and introducing it into a flashing zone under reduced pressure, wherein separation of the residue into vapors and liquid occurs as the result of its contained heat, passing said vapors into a separate low pressure fractionating zone wherein they are separated into light vapors of the desired boiling characteristics and reflux condensate, removing the fractionated vapors and condensing them as a desired final product, introducing fresh relatively heavy charging stock into said low pressure fractionating zone for partial vaporization by contact with the hot vapors therein, fractionating resulting vapors with the vapors from the flashed residue, collecting unvaporized portions of the fresh heavy charging stock and condensed portion of the vapors passing through said low pressure fractionating zone, free from unvaporized portions of the flashed residue, and introducing the mixture into said evaporating zone in contact with the hot products therein, removing an intermediate condensate from said low pressure fractionating zone, passing it through a separate heating zone wherein it is raised to a cracking temperature and conversion occurs, and introducing the resulting highly heated products of conversion into said evaporating zone in contact with the hot products from the cracking zone and the unvaporized portions of the heavy charging stock.

2,075,902

ELECTRICALLY OPERATED SIZING DEVICE

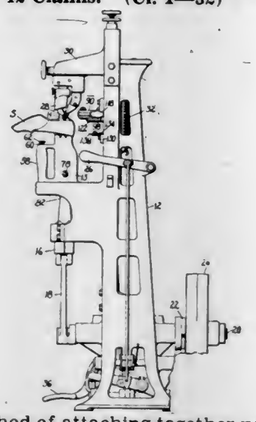
Arnold L. Johnson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application April 3, 1935, Serial No. 14,538
4 Claims. (Cl. 51—165)



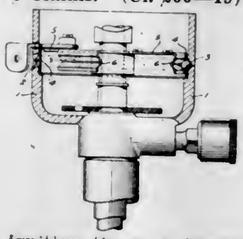
1. In a grinding machine, a plunger positioned to engage a work-piece being ground, a lever actuated by said plunger, a diaphragm actuated by the lever, a vessel filled with mercury in communication with and controlled by said diaphragm, a tube connected to said vessel, and an electrode in said tube, whereby reduction in size of the work-piece to a particular diameter forces mercury into contact with the electrode closing an electric circuit through the electrode.

2,075,903
METHOD OF AND MACHINE FOR INSERTING FASTENINGS
John T. Lancaster, Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 29, 1934, Serial No. 750,408
42 Claims. (Cl. 1—32)



1. The method of attaching together portions of shoes, which consists in bending a fastening to a substantially gradual curve between its opposite extremities, transferring the thus-formed fastening from the bending position to an inserting position, and driving the transferred fastening into the work.

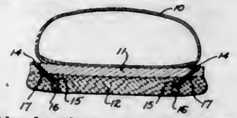
2,075,904
IGNITION TIMER
Gustave J. Lang, Longmeadow, and John F. Martin and William D. Crocker, Springfield, Mass., assignors to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Application August 21, 1934, Serial No. 740,756
6 Claims. (Cl. 200—19)



1. In an ignition timer, a housing having a bearing surface formed therein, friction reducing bearings in contact with said surface, a breaker plate, resilient flanges carried by said plate, and a channeled bearing surface formed upon said flanges to cooperate with said bearings.

2,075,905
TAP DANCING SHOE
Clarence N. Larsen, San Francisco, Calif.
Application July 29, 1935, Serial No. 33,728
8 Claims. (Cl. 36—8.3)

4. An attachable sound producing sole for tap dancing shoes, comprising a rigid sound producing sole having a configuration corresponding to the leather sole of a shoe and having a groove along each margin thereof with stitch receiving holes terminating therein, said groove and stitch receiving holes extending forward from a point upon the sole corresponding to the position of the ball of a wearer's foot and toward the toe of the sole, whereby said rigid sound producing sole when



secured to the leather sole of a shoe by stitching extending through said stitch receiving holes will be secured to the leather sole forward of and unattached at the rear of the ball line of the leather sole and will not interfere with a normal flexing of the shoe.

2,075,906
CONDUCTOR
Aylmer H. Maude, Collinsville, Ill.
Application April 6, 1932, Serial No. 603,478
7 Claims. (Cl. 173—264)



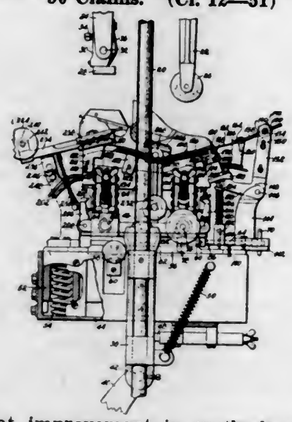
1. An electrical conductor comprising a solid conducting element, and insulating material surrounding and spaced from said element, and a relatively thin conducting sheath held to said insulating material and loosely surrounding said element and normally having line contact therewith, said sheath being constructed of material having substantially the same coefficient of expansion as that of said insulating material, said solid conducting element being constructed of material having any reasonable coefficient of expansion whatever.

2,075,907
BRUSH
Hugh P. McMillan, Baltimore, Md.
Application January 16, 1936, Serial No. 59,459
7 Claims. (Cl. 15—204)



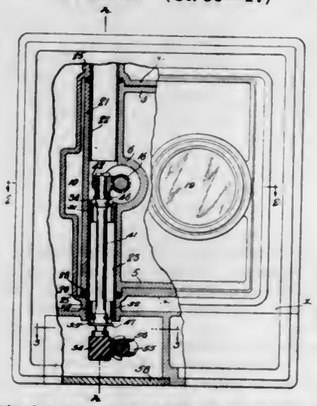
1. In a brush the combination of a handle; a tuft of bristles; and a ferrule joining said tuft to said handle, said ferrule having substantially all of the tuft engaging portion of its wall disposed in a plane inclined downwardly and inwardly with respect to the plane of the remaining wall portion of said ferrule, the upper extremity of the inclined wall portion making a substantial inwardly directed shoulder with the remainder of the ferrule wall, said shoulder engaging the upper extremity of said tuft for preventing upward movement of the tuft in the ferrule, the inclined wall portion frictionally engaging the sides of said tuft for preventing downward movement of the tuft in the ferrule, thereby obviating the necessity of tuft securing fasteners.

2,075,908
METHOD AND MEANS FOR USE IN THE MANUFACTURE OF SHOES
Charles F. Pym, deceased, late of Beverly, Mass., by Arthur F. Pym, Swampscott, Mass., executor, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporotion of New Jersey
Application June 13, 1935, Serial No. 26,416
30 Claims. (Cl. 12—51)



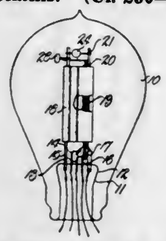
1. That improvement in methods of making welt shoes which consists in securing a welt to a shoe and thereafter, before applying an outsole to the shoe, subjecting the inseam materials to pressure directly inwardly from the edge of the shoe bottom and to heat to prepare the shoe for the reception of the outsole.

2,075,909
SHUTTER DRIVE
Gerald F. Rackett, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application July 26, 1934, Serial No. 737,032
5 Claims. (Cl. 88—17)



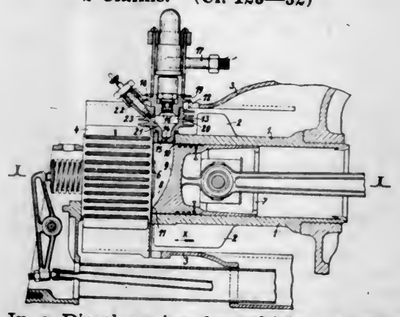
1. Optical apparatus of the character described comprising an apparatus housing, a door connected to said housing by a hinge having a hollow pintle portion extending along one side of said door, a lens system and a light control movement mounted on said door, a drive for said movement mounted on said housing, and a power transmitting connection between said movement and said drive including a shaft within said hollow portion.

2,075,910
THERMIONIC CATHODE
Ernest Yeoman Robinson, Lymm, England, assignor to Associated Electrical Industries Limited, a company of Great Britain
Application June 24, 1927, Serial No. 201,184
In Great Britain July 7, 1926
13 Claims. (Cl. 250—27.5)



1. The steps in the production of an equipotential cathode of a thermionic discharge tube, which consist in applying a thin insulating coating on a thin heater filament by bringing into contact with the latter a refractory insulating material which is capable of being bonded by heat and is associated in finely divided form with liquid in the form of a sludge and fusing said material onto said thin heater filament by heat.

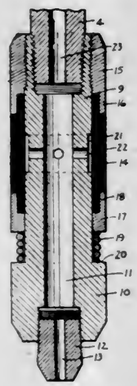
2,075,911
INTERNAL COMBUSTION ENGINE
Adolf Roth, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany
Application October 9, 1933, Serial No. 692,885
In Germany November 1, 1932
2 Claims. (Cl. 123—32)



1. In a Diesel engine for vehicles, a cylinder and reciprocating piston defining a combustion chamber, the walls defining said combustion chamber when the piston is at inner dead center being shaped to confine said combustion chamber to a trough-shaped cavity extending from a relatively large unrestricted mouth opening toward one side of the cylinder, across the head of the cylinder toward the opposite side, said cavity diminishing in both heighth and breadth in the direction away from its mouth, a fuel feeding de-

vice comprising a precombustion chamber mounted in an aperture in the lateral wall of the cylinder in position to discharge a jet of fuel into the mouth of said cavity in the direction of the axis of the cavity.

2,075,912
PACKER
Richard T. Roye, Houston, Tex., assignor to Gray Tool Company, Houston, Tex., a corporation
Application March 28, 1935, Serial No. 13,467
6 Claims. (Cl. 294—96)



1. A packer of the character described including a tubular body having a fluid passage of comparatively large diameter, a pilot plug closing the lower end of said passage except for a restricted opening in said plug, a packer sleeve of compressible material upon said body, means resiliently to support the lower end of said packer sleeve in position, there being fluid openings from the interior of said passage to the interior of said sleeve, and means to conduct pressure fluid into said passage to expand said packer.

2,075,913
BLEACHING COMPOUND
Pedro Sanchez, Buffalo, N. Y.
No Drawing. Application June 11, 1934, Serial No. 730,154
2 Claims. (Cl. 23—248)

1. A decolorizing reagent in powdered form consisting of substantially equivalent amounts of calcium hypochlorite and mono calcium phosphate.

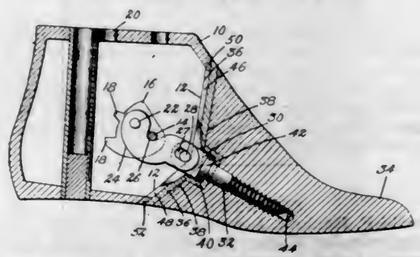
2,075,914
PROCESS OF MAKING SULPHURIC ACID ESTERS OF UNSATURATED ALCOHOLS
Arnon O. Snoddy and Wilfred S. Martin, Cincinnati, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application January 18, 1936, Serial No. 59,789
13 Claims. (Cl. 260—99.12)

1. A process for preparing wetting, sudsing, emulsifying and detergent agents suitable for laundry use comprising reacting unsaturated aliphatic alcohols containing from twelve to twenty-two carbon atoms per molecule with a reagent selected from the group consisting of the reaction product of sulphur trioxide on a metal chloride and the reaction product of chlorsulphonic acid on a metal salt of the group consisting of chloride and sulphate, said metal being one which forms a water-soluble product with the sulphuric ester of said alcohol.

2,075,915
PROCESS FOR PREPARING WETTING, SUDSING, EMULSIFYING, AND DETERGENT AGENTS
Arnon O. Snoddy and Wilfred S. Martin, Cincinnati, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application January 18, 1936, Serial No. 59,790
12 Claims. (Cl. 260—99.12)

1. A process for making wetting, sudsing, emulsifying and detergent agents comprising reacting an aliphatic alcohol containing ten to twenty-two carbon atoms per molecule with a solid reagent consisting of the reaction product of chlorsulfonic acid on a metal salt of the group consisting of chloride and sulfate, said metal being one which forms in the said reaction a salt of the sulfuric ester of the said alcohol which is soluble in water.

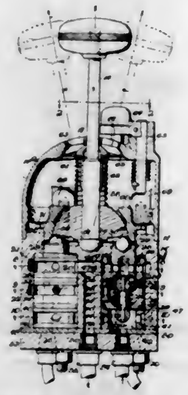
2,075,916
LAST
George A. Sweet, Milford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 5, 1936, Serial No. 83,706
3 Claims. (Cl. 12—134)



1. A collapsible shoe last having a heel part and a forepart, the joint surface between said parts being formed by two planes intersecting in a horizontal line and forming a dihedral angle which is convex forwardly, a guard plate mounted on the forepart and shaped to fit the said dihedral angle on both the forepart and the heel part, a bonding screw mounted in the forepart and having a head clamping said guard plate firmly to said forepart, and a releasable tension mechanism connecting the head of said screw to said heel part, to permit collapse of the last.

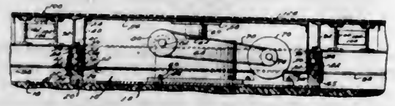
2,075,917
CONTROL MECHANISM
Stephen Vorech, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application January 3, 1936, Serial No. 57,447
10 Claims. (Cl. 277—2)

1. A control valve assembly comprising a body member having a plurality of bores formed therein, a valve positioned within each of said bores, a cap associated with said body member, a control lever for selectively operating said valves, a socket formed in said body member for mounting said lever for universal movement, means including a nut adjustably threadedly re-



ceived by said body member for maintaining said lever in said socket, and common means for locking said nut and for securing said cap to said body member.

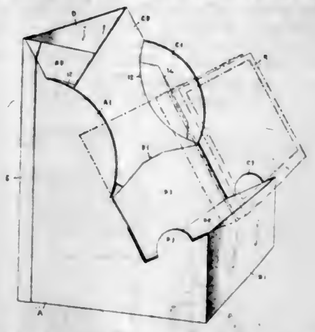
2,075,918
TURNTABLE
Gerrit Waalkes, Highland Park, Mich., assignor to Anchor Steel & Conveyor Company, a corporation of Michigan
Application December 26, 1933, Serial No. 703,897
10 Claims. (Cl. 104—44)



1. In a turntable mechanism, in combination, a ring-like base provided with an annular track, a ring-like driving member provided with an annular track in opposed relation to the first mentioned track, rolling anti-friction means disposed between and directly contacting both said tracks, said driving member being provided with a second annular track, a weight supporting member provided with a track in opposed relation to said second track, rolling anti-friction between and directly contacting both the two last mentioned tracks, and means for rotating said driving member.

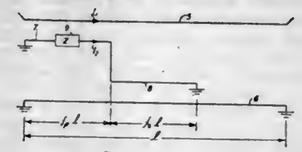
2,075,919
DISPLAY STAND
John Calvin Wagner and Alfred J. Engel, Baltimore, Md., assignors to The Eastern Box Company, Baltimore, Md., a corporation of Maryland
Application December 16, 1935, Serial No. 54,764
9 Claims. (Cl. 248—152)

3. A display stand for supporting an article comprising a middle portion forming a supporting platform, and side portions having upwardly projecting wings forming retaining walls for the article, and inwardly projecting flaps forming supporting abutments for said platform, each side portion having an inwardly projecting flap en-



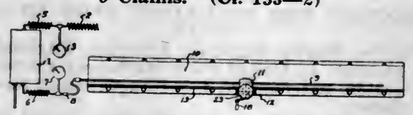
gaging the other side portion to form bracing struts.

2,075,920
SHIELDING SYSTEM
George Wascheck, Chappaqua, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 25, 1936, Serial No. 76,491
12 Claims. (Cl. 171—97)



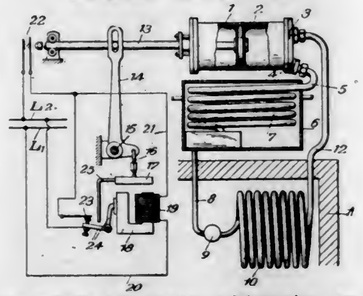
12. In combination, a power line, a telephone line in the vicinity of said power line and forming an inductive exposure therewith, a shield wire grounded at its ends and having a portion adjacent said power line and a portion adjacent said telephone line, said portions being transposed at a location intermediate the ends of said exposure, a second shield wire grounded at its ends and having a portion opposite said first portion and adjacent said telephone line and a portion opposite said second portion and adjacent said power line, the portions of said second shield wire being transposed at said location, and an impedance connecting said shield wires at said location.

2,075,921
TREATMENT OF RESTRICTED FLOW TUBING AND APPARATUS THEREFOR
Wynne G. Winkler and Albert G. Bruck, Cincinnati, Ohio, assignors to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application January 15, 1935, Serial No. 1,920
9 Claims. (Cl. 153—2)



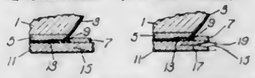
1. A method of treating restricted flow tubing of over capacity, which comprises connecting a desired length of said tubing to a source of fluid pressure and restricting the bore thereof to bring it to the required capacity by flattening said tubing.

2,075,922
FULLY AUTOMATIC REFRIGERATOR
Otto Zehnder, Granichen, Switzerland, assignor to Gebrüder Zehnder Radiatoren & Apparatebau, Granichen, Switzerland
Application April 2, 1936, Serial No. 72,378
In Switzerland May 1, 1935
3 Claims. (Cl. 62—115)



1. In a fully automatic refrigerator, an evaporator, a condenser, a refrigerant gas compressor cylinder including a reciprocable piston, a compressor chamber cooperating with one end of said piston, means connecting said chamber with said evaporator and said condenser respectively for refrigerant circulation therethrough, a drive for said piston actuated by external power and influencing the latter only during its compression stroke, and control means for said connections between said chamber and said condenser and said evaporator respectively for shutting the former and opening the latter to said chamber between the compression and the return stroke for admitting refrigerant gas to said piston for effecting its return stroke by pressure of said refrigerant gas.

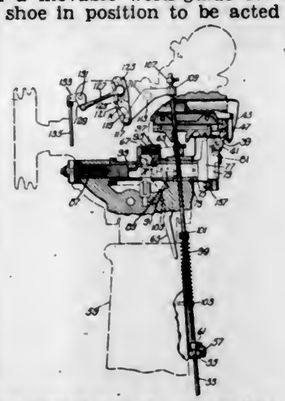
2,075,923
METHOD FOR OPERATING UPON SHOE SOLES
Charles Martin Bagshaw, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 7, 1934, Serial No. 734,129
In Great Britain July 29, 1933
4 Claims. (Cl. 12—142)



1. The method of operating upon soles which consists in forming an English channel in a sole, trimming the margin of the sole along a portion of the length of said channel to a depth sufficient to cause the channel to emerge from the edge of the sole, thereby converting a portion of the English channel into an American channel of less depth, and deepening the American channel.

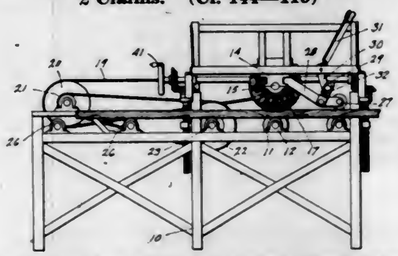
2,075,924
MACHINE FOR OPERATING UPON SHOE SOLES
Charles Martin Bagshaw, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application July 7, 1934, Serial No. 734,129. Divided and this application March 5, 1936, Serial No. 67,342. In Great Britain July 29, 1933
18 Claims. (Cl. 12—18)

1. The combination with movable shoe-gripping means, of a channeling knife, a rounding knife, and a movable work-guide for normally holding a shoe in position to be acted upon by



the gripping means and out of the field of action of the knives.

2,075,925
WOOD GRAINING MACHINE
Arthur I. Baldwin, Oakland, Calif.
Application March 15, 1935, Serial No. 11,315
2 Claims. (Cl. 144—115)

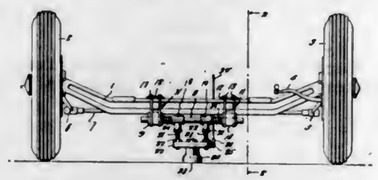


1. A wood graining machine comprising a frame, a plurality of rollers rotatably mounted in said frame and arranged transversely of the latter, rotatably spaced screw shafts adjustably engaging said frame, a head having brackets at one end through which said screw shafts extend, means preventing movement of the brackets axially of the screw shafts, said head and said frame having complemental guide members located at one side of the frame adjacent to said screw shafts and so relatively constructed and arranged with respect to the screw shafts as to prevent binding of the brackets during rotations of said shafts, said head being extended laterally over the frame and rollers with its outer end free, a brush rotatably supported by said head, and means for rotating said screw shafts so as to raise and lower said head with respect to the frame.

2,075,926
PARKING DEVICE
John Lester Barr, Chevy Chase, Md.
Application December 23, 1932, Serial No. 648,649
Renewed January 22, 1937
20 Claims. (Cl. 280—150)

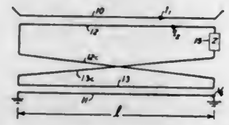
1. A device for elevating that part of a vehicle to which the steering wheels are attached comprising elevating means pivotally supported at that part of the vehicle on an axis laterally disposed to the longitudinal axis of the vehicle to swing on both sides of the vertical, said means being adapted to engage the ground to elevate

that part of the vehicle, by backward or forward movement of the vehicle, depending upon which side of the vertical the elevating means is in engagement with the roadbed, said elevating



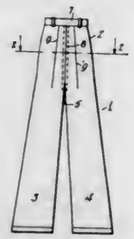
means comprising a rotatable ground contact member, and means for absorbing the lateral motion of the vehicle during the elevating operation.

2,075,927
SHIELDING SYSTEM
Arnold Everett Bowen, Red Bank, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 25, 1936, Serial No. 76,490
12 Claims. (Cl. 171—97)



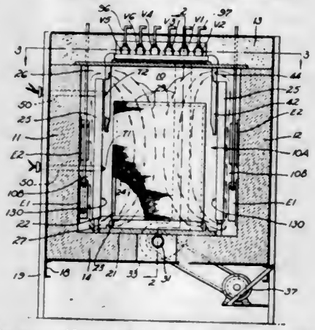
10. In combination, a pair of transmitting lines one subject to disturbance by the other and a closed metallic shielding circuit comprising a pair of wires each disposed adjacent one of said lines, and an impedance in series with said wires of such magnitude that the shield factor is substantially zero.

2,075,928
TROUSERS SLACKS
Marcia Cahn Bohr, San Francisco, Calif.
Application September 30, 1933, Serial No. 691,715
2 Claims. (Cl. 2—212)



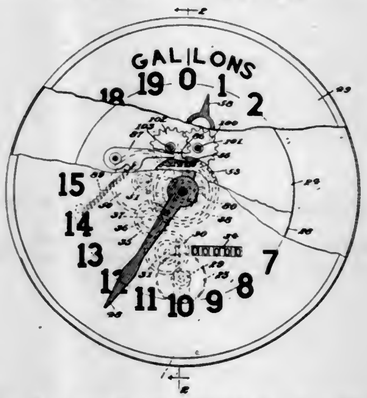
1. A garment having a hip-section, separate and clearly defined leg-sections depending from said hip-section to classify the garment as trousers, there being an inverted pleat at the front and back of the hip-section freely expansible throughout its length to provide and confine a skirt-like fulness to the hip-section without detracting from the trousers effect of the leg-sections, said pleats beginning substantially at the belt line of the hip-section and being directed centrally of the garment through the crotch and disappearing into the leg-sections.

2,075,929
HEAT TREATING FURNACE AND METHOD OF HEAT TREATING
Lewis Newell Davis, Santa Monica, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Continuation of application Serial No. 36,126, August 14, 1935. This application February 3, 1936, Serial No. 62,037
20 Claims. (Cl. 263—52)



8. In a method of heat treating work, the steps of: placing the work to be heat treated in a heat treating chamber; circulating hot gas in a closed circuit through a gas heating means and through said heat treating chamber; and withdrawing gas from one part of said heat treating chamber and introducing it at another hotter part thereof.

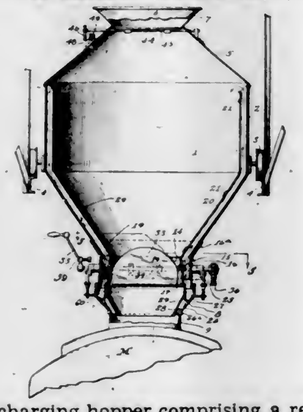
2,075,930
INDICATING DEVICE WITH BACKLASH ELIMINATOR
James M. Dayton, Torrington, Conn.
Application August 3, 1932, Serial No. 627,392
5 Claims. (Cl. 235—144)



4. In an indicating apparatus including a frame, a first movable indicator, a second movable indicator, driving means for moving said first indicator in one direction to establish an indication, means for moving the said first indicator in the opposite direction for setting to an initial position, a gear train for connecting said first indicator to said second indicator whereby each said moving means will also operate to move said second indicator in a corresponding direction, a rotatable cam member fixedly connected to said second indicator to be moved therewith, and

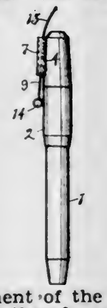
a spring-actuated device on said frame cooperative with said rotatable member for advancing said second indicator and operating as the first indicator approaches the initial position during setting whereby to eliminate backlash in said gear train and to bring both indicators to initial position concurrently.

2,075,931
DUST-RETURN HOPPER
John A. Eades, York, Pa., assignor to Read Machinery Company, Incorporated, a corporation of Pennsylvania
Application January 6, 1936, Serial No. 57,826
11 Claims. (Cl. 214—35)



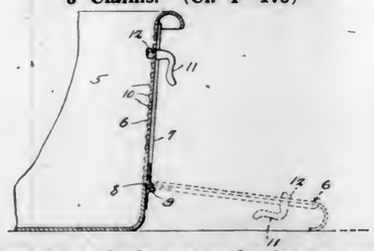
11. A charging hopper comprising a receptacle adapted to be supported in elevated position and having a downwardly converging lower end, a charging inlet in the top of said receptacle, a discharge outlet opening through the lower end of the receptacle, a pair of vertically-disposed, concentrically spaced rings surrounding said discharge opening and defining an annular dust-return passageway, said passageway being closed at its upper end and open at its lower end, and a dust-return flue communicating with said passageway and venting to the top of the receptacle at an elevation below said inlet and out of obstructing relation therewith.

2,075,932
ABRADER ATTACHMENT FOR WRITING INSTRUMENTS
William C. F. Ehrmann, Fort Wayne, Ind.
Application April 13, 1936, Serial No. 73,994
5 Claims. (Cl. 120—39)



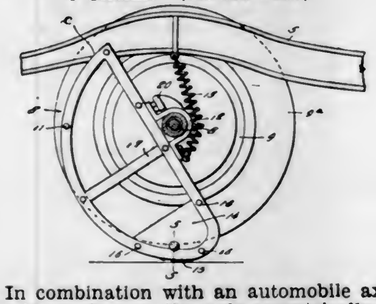
5. In an instrument of the class described, a sheath and support therefor, a normally arcuate spring tongue extending through and longitudinally movable in said sheath, one end portion of said tongue having an abrading face, and means on said sheath for frictionally holding said tongue in positions of adjustment in said sheath.

2,075,933
BATHTUB
Samuel Friedlander, Memphis, Tenn.
Application July 7, 1936, Serial No. 89,437
3 Claims. (Cl. 4—173)



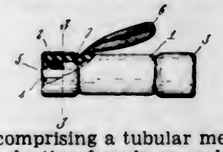
2. In a tub, a body portion having an opening formed in the side wall thereof, said opening providing an entrance opening to the tub, a closure adapted to normally close the opening, said closure adapted to swing downwardly to contact with the floor surface, providing a runway to the tub, the inner surface of the closure being ribbed, providing an anti-slip surface.

2,075,934
EMERGENCY APPLIANCE
William J. Gold, New York, N. Y.
Application April 30, 1935, Serial No. 19,109
Renewed November 5, 1936
3 Claims. (Cl. 280—150)



2. In combination with an automobile axle, a swingable rocker on the axle eccentrically connected thereto, and adapted to automatically engage the ground at one end when an adjacent wheel becomes deflated, and a ball bearing mount in the opposite end of the said rockable member.

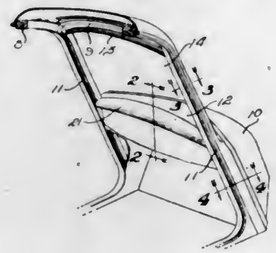
2,075,935
FUSE CONSTRUCTION
George R. Goodwin, Avon, Mass., assignor to Royal Electric Company, Incorporated, Avon, Mass., a corporation of Massachusetts
Application October 24, 1934, Serial No. 749,739
12 Claims. (Cl. 200—131)



12. A fuse comprising a tubular member of insulation, a conducting ferrule on each end of said

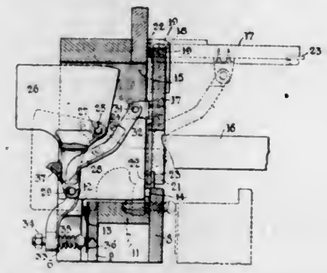
member, a fuse link within said member and secured at its ends to said ferrules, and a pull element of tubular knitted fabric secured to said fuse and presenting a handle portion which may be grasped to facilitate removal and replacement of said fuse.

2,075,936
VEHICLE BODY
Otto F. Graebner and Alfred H. Haberstump, Detroit, Mich., assignors to The Murray Corporation of America, a corporation of Delaware
Application December 23, 1933, Serial No. 703,800
10 Claims. (Cl. 296—28)



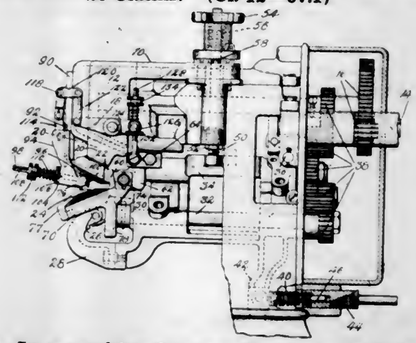
1. A vehicle body having the front end thereof constructed from a unit stamping including a pressed-in instrument panel, a pressed-out dash portion, preformed side pillar elements forming the jamb faces of the door, a cross header member joining said pillar members and forming therewith a windshield opening, and a cowl panel supported by said instrument panel and dash and provided with a rabbet for receiving the lower portion of a windshield.

2,075,937
ACTUATING MECHANISM FOR AUXILIARY DOORS
Amos M. Graff, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application February 7, 1936, Serial No. 62,869
5 Claims. (Cl. 268—14)



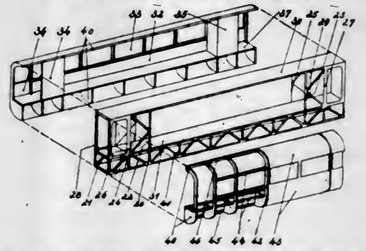
1. The combination of means forming a main doorway and an auxiliary doorway; a main door and an auxiliary door for closing respective doorways; hinge means supporting the auxiliary door; a linkage associated with the auxiliary door, comprising a pivoted weight and a connecting link, the linkage having a toggle action when the auxiliary door is closed and the weight biasing the linkage in a door opening direction; and a yielding buffer carried by the connecting link in the path of the main door.

2,075,938
MACHINE FOR OPERATING UPON HEEL-LIFTS AND RANDS
John B. Hadaway, Swampscott, and Charles F. Fitzgerald, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 10, 1935, Serial No. 53,834
26 Claims. (Cl. 12—67.1)



1. In a machine for operating upon heel-lifts, a pair of rolls rotatable to advance a lift in a curved path, an edge-gage towards which the lift is urged by the rolls, and a retarding member arranged to contact with a face of the lift.

2,075,939
SKELETON STRUCTURE FOR RAILWAY CARS
Fritz Heyner, Hanover, Germany, assignor to Franz Kruckenberg and Curt Stedefeld, both of Hanover, Germany
Application January 19, 1934, Serial No. 707,377
In Germany January 17, 1933
18 Claims. (Cl. 105—399)

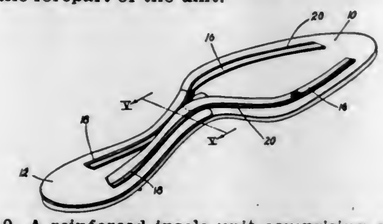


1. In a railway car having a floor and side walls, main girders below said floor and out of the planes of said side walls, superstructures at the ends of and rigidly connected to said girders to resist flexing thereof, a compression resisting roof member connected between said superstructures, and a plurality of spaced connecting means between said roof member and said girders to reinforce said roof member against deflection, said connecting means being located between said superstructures and bowed outwardly from the planes of said girders to provide a clear space above the floor level of greater width than the spacing of said girders.

2,075,940
MANUFACTURE OF SHOE BOTTOM UNITS
Raymond E. Hopkins, Weymouth, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 10, 1936, Serial No. 84,492
11 Claims. (Cl. 12—146)

1. That improvement in methods of making re-

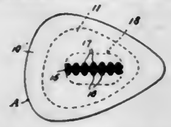
inforced insole units which consists in securing one end portion of a narrow strip of material to a shank reinforcing piece in position to enable said portion to serve as a lip to which a shoe upper may be secured and to leave the remaining portion of the strip extending forwardly beyond the front end of said reinforcing piece, securing said reinforcing piece to the shank portion of an insole thereby providing a reinforced insole unit having a lipped shank portion, and thereafter securing said forwardly extending portion of said strip to the forepart of the insole in position to serve as a lip to which the upper may be secured in the forepart of the unit.



10. A reinforced insole unit comprising an insole, a heel and shank reinforcing piece secured to the lower side of the insole, and a tape stitched to the lower side of said unit, the stitches extending through the tape and the insole in the forepart of the unit and only through the tape and the reinforcing piece in the shank portion of the unit, thereby providing a lip to which a shoe upper may be secured.

11. That step product in the manufacture of reinforced insole units which comprises a shank reinforcing piece having a tape stitched thereto to serve as a lasting lip in the shank portion of an insole with which said shank piece is to be assembled to provide a reinforced insole unit, said tape extending a substantial distance forwardly beyond the front end of said shank piece for subsequent attachment to the insole to serve as a lasting lip in the forepart of the unit.

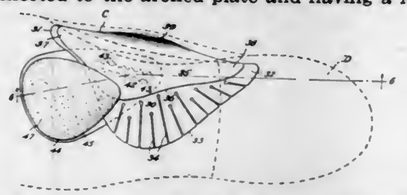
2,075,941
METATARSAL ARCH SUPPORT
Joseph C. Howell, Fort Lee, N. J.
Application February 21, 1935, Serial No. 7,511
8 Claims. (Cl. 36—71)



1. A metatarsal arch support for shoes including a flexible resilient pad having a convex upper surface, a slotted base to which the pad is secured, means to be anchored to the sole of the shoe, means of connection between the said anchoring means and the base extending through the slot therein for adjusting the base with reference to the sole of the shoe, and means for locking the base in adjusted relation on said means of connection.

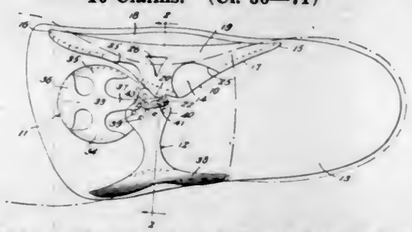
2,075,942
ARCH SUPPORT
Joseph C. Howell, Fort Lee, N. J.
Application April 3, 1935, Serial No. 14,430
12 Claims. (Cl. 36—71)

3. An arch support for shoes including a longitudinally arched plate adapted to be arranged with its highest point under the inner longitudinal arch of the foot, said plate decreasing in height laterally towards the outer longitudinal arch of the foot with its ends adapted to be located adjacent the heel and ball portions thereof respectively and with its lateral edge portion adjacent the outer longitudinal arch and its ends adapted to be supported upon the upper surface of the sole of the shoe, a plate underlying and connected to the arched plate and having a lon-



gitudinally extending slot therein, anchoring means adapted to extend through the sole of the shoe, and means of connection between said anchoring means and the last named plate extending through the slot therein for adjusting the arch support with reference to the sole of the shoe, said anchoring means including a screw rotatable from the exterior of the shoe for drawing the last named plate tightly against the inner surface of the sole of the shoe.

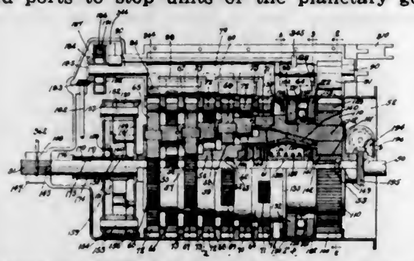
2,075,943
ARCH SUPPORT
Joseph C. Howell, Fort Lee, N. J.
Application September 28, 1935, Serial No. 42,561
10 Claims. (Cl. 36—71)



2. An arch support including a longitudinally and transversely arched resilient plate having its opposite ends and inner side edge portions adapted to be supported upon the upper surface of the shoe sole, an underlying tension plate secured to the arch plate at the ends thereof and along the inner side edges adjacent the ends thereof for maintaining the arched plate in longitudinal and transverse formation, a ply of flexible material overlying the arched plate and conforming to the shape of the major portion of the inner sole of the shoe, and means carried by said arch plate extending outwardly therefrom adjustably anchored to the said ply for securing the arch support in fixed position with reference to the sole of the shoe.

2,075,944
HYDRAULIC TRANSMISSION
Leigh E. Hughes, Philadelphia, Pa.
Application May 5, 1932, Serial No. 609,404
46 Claims. (Cl. 74—259)

2. A hydraulic transmission comprising a driving shaft and an alined driven shaft, a stepped gear mounted upon the driven shaft, a clutch adapted at times to connect the stepped gear and driven shaft, a plurality of planetary gear systems embracing the stepped gear, a wall coacting with the planetary gear systems and provided with ports, a valve adapted to progressively close said ports to stop units of the planetary gear



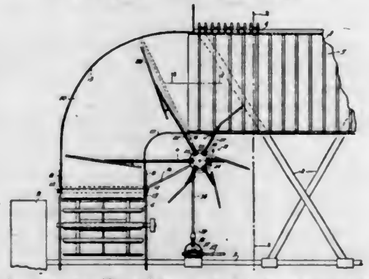
systems progressively, manual means to initiate action of said valve, and mechanical means for continuing the movement of said valve.

2,075,945
RUBBER SHEET MATERIAL AND ARTICLE MADE THEREFROM
Victor H. Hurt, Naugatuck, Conn., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application March 3, 1936, Serial No. 66,801
14 Claims. (Cl. 41—21)



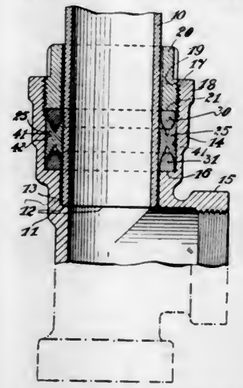
10. A laminated material consisting of two plied layers of different colored sheet rubber material of the direct deposit of solids of rubber latex and containing perforations therein, with some perforations in one layer and material surrounding said perforations being visible through perforations in the other layer, the perforations in the first layer being sufficiently small that the outer surface thereof has the appearance of a single colored material with perforations therein, and the perforations in the other layer being sufficiently large to produce a two-colored decorative effect with the color of said first layer as a background.

2,075,946
REAPER-THRESHER MACHINE
Howard Milton Johnston, Toronto, Ontario, Canada, assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada
Application June 15, 1936, Serial No. 85,313
6 Claims. (Cl. 56—123)



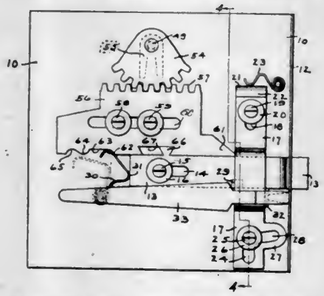
1. A reaper-thresher machine comprising a reaper table having a grain conveyor, a thresher cylinder, an arcuate table adapted to direct grain in an uninterrupted path from the reaper table to the cylinder and a rake arm feeder adjacent said arcuate table arranged to uniformly move grain along said path from the reaper table conveyor to the said thresher cylinder.

2,075,947
PIPE JOINT
Edward Kennedy, New York, N. Y.
Application June 10, 1935, Serial No. 25,839
1 Claim. (Cl. 285—166)



In a pipe joint, including a pipe and a fitting having a flat abutment seat, the combination therewith of a soft metal sealing member provided with opposed V-shaped grooves therein, a pair of relatively hard metal expanding rings disposed one in each groove, and a threaded nut member engageable with one of said latter rings, said latter rings having flat obtusely related faces on the inner and outer sides thereof, each of said latter rings having parallel sides at the large end thereof adapted to engage within the enlarged or expanded portion of said sealing member whereby to hold said expanded or enlarged portion of said sealing member in contact with the adjacent walls of the fitting and the pipe.

2,075,948
FLUSH HANDLE LATCH
Robert P. Kuszmaul, Indianapolis, Ind.
Application December 13, 1934, Serial No. 757,339
12 Claims. (Cl. 70—146)



1. In a door latching device, a latch bolt, a spring urging the latch bolt into latching position, a latch bolt rocker mounted to be swingable into engagement with the latch bolt to retract the latch bolt against the pressure of said spring, an operating arm swingably mounted to travel against said rocker to shift said latch bolt, said

rocker being also shiftable to a position out of the path of said arm, spring means normally urging the rocker into the path of said arm, and a lock mechanism having a member engaging and shifting said rocker from said arm path upon placing said mechanism in a locked condition, the shifting of said rocker being transversely of said latch bolt, an arm extending laterally from the rocker to be contacted by said operating arm, and to be removed from said path by said rocker shifting.

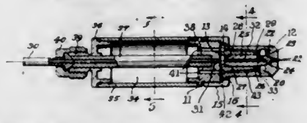
2,075,949

FUEL INJECTION SYSTEM

Joseph R. Lemon, Detroit, Mich., assignor to Ex-Cell-O Aircraft & Tool Corporation, Detroit, Mich., a corporation of Michigan

Application November 15, 1933, Serial No. 698,082

11 Claims. (Cl. 299—107.5)



1. A unitary fuel injection nozzle comprising, in combination, a body having a valve chamber with an outlet valve seat, a discharge passage opening from said seat, a pressure storage space within said body and having a resilient wall and being in open communication with said valve chamber, a control chamber, and a bore connecting said chambers, a plunger reciprocable in said bore and having oppositely acting pressure faces exposed respectively in said chambers, one of said faces being formed with a valve member adapted to coact with said seat, means for supplying fuel under pressure to said control chamber, and a restricted leakage path located within the confines of said bore longitudinally of said plunger and independent of said space and establishing a direct constant intercommunication between said valve chamber and said means for permitting a gradual flow of fuel on occasion to said valve chamber.

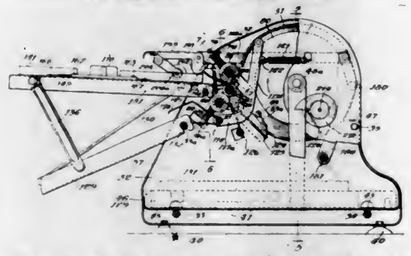
2,075,950

DUPLICATING DEVICE

Alfred Marchev, La Grange, and Cecil C. McCain, Glen Ellyn, Ill., assignors to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application April 4, 1935, Serial No. 14,648

17 Claims. (Cl. 101—132)



1. In a duplicating machine, an impression drum, means for rotating said drum, a platen roller, a feed roller cooperating with said platen roller to advance copy sheets to the drum, and means interposed between the feed roller and the platen roller cooperating with the platen roller to provide a margin stop for copy sheets.

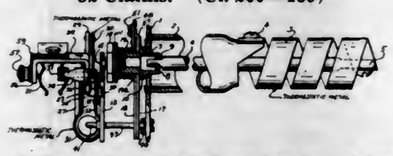
2,075,951

ELECTRIC CONTROL

Ira E. McCabe, Chicago, Ill.

Application April 18, 1935, Serial No. 17,073

32 Claims. (Cl. 200—139)



1. A thermally actuated mechanism, a heating device, a thermally actuated operating device responsive thereto for operating said mechanism, a temperature responsive device independent of the heating element for bringing the zone of heat from the heating element into and out of operative relation to the operating device.

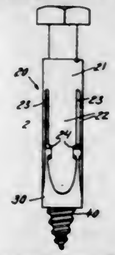
2,075,952

EXPANSION BOLT

Roy E. McIntosh, New York, N. Y., assignor to Ralph E. Ogden, Mountainville, N. Y.

Application September 14, 1935, Serial No. 40,519

9 Claims. (Cl. 85—2.4)



1. A tubular expansion shell constructed with three longitudinal slots dividing the greater part of the length of the shell into fingers having parallel grooves on their inner surfaces, a notch in the side of one of the fingers, the inner surfaces of said fingers near their ends being inclined, and an internally threaded nut having external portions adapted to move in said parallel grooves and external inclined surfaces adapted to coact with the inclined surfaces of the fingers, posts between the inclined surfaces of the nut adapted to extend into the slots in the shell and a lug extending laterally from the upper end of one of the posts adapted to extend into said notch.

2,075,953

RAILWAY VEHICLE COUPLER DEVICE

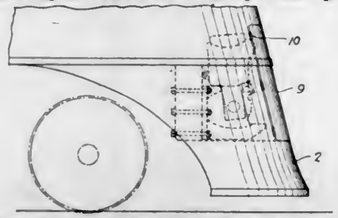
Sherman Miller, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York

Application November 27, 1935, Serial No. 51,727

2 Claims. (Cl. 105—2)

1. In a locomotive the combination of a relatively thin sheet metal streamlined shroud covering the front end of the locomotive proper and spaced therefrom to provide a chamber, said shroud having an opening at the front thereof; means at the front end of said locomotive within said chamber for supporting a coupler device; a bracket within said chamber secured to said means; a coupler, when in operable position, extending substantially horizontally through said opening, with a portion thereof disposed within said chamber and with the remaining portion

thereof disposed forwardly beyond said shroud, comprising a shank portion and a relatively large body portion disposed at the outer end of said shank portion; means providing a pivotal connection between said coupler and said bracket having a horizontal axis extending transversely of said locomotive, and disposed at the inner end of said shank portion whereby substantially the entire mass of said coupler is disposed outwardly from said axis, and forwardly therefrom when said coupler is in said operable position; means for supporting the major portion of the weight of said coupler when in said operable position,



said pivotal connection adapting said coupler to be swung from said operable position upwardly to substantially vertical inoperable position, at which latter position said mass is disposed above said axis, and substantially all the weight thereof is supported by said pivotal connection; a cover of relatively thin sheet metal for closing said opening when said coupler is in said inoperable position; means for stopping said coupler when in its said inoperable position; and detachable means for preventing said coupler from accidentally falling from said inoperable position against said cover.

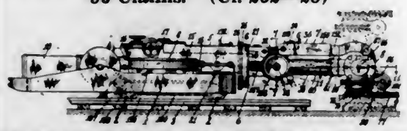
2,075,954

MINING APPARATUS

Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application July 30, 1934, Serial No. 737,631

53 Claims. (Cl. 262—28)



10. In a mining apparatus, a kerf cutter, swingable, relatively movable, parallel arms for supporting said kerf cutter, one of said arms comprising telescopically arranged elements, and means for adjusting said elements to vary the effective length of said arm to swing said kerf cutter relative to said other arm.

2,075,955

WALL ASSEMBLY

Raymond V. Parsons, New York, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application April 24, 1935, Serial No. 17,942

13 Claims. (Cl. 72—46)



1. A wall assembly comprising in combination a supporting substructure, panels of facing material supported thereon and forming a joint between the edges of adjacent panels, a fireproof joint sealing member including a portion wider than the joint and engaged therebehind, a portion wider than the joint and engaged in front thereof, and a web element including two resiliently deformable legs, extending through the joint from front to back, and joining the said portions into an integral unit, the said joint sealing member comprising means for spreading the two legs apart by spring action into resilient contact with the edges of the panels constituting the sides of the joint, to maintain contact between the said legs and the said edges as the width of the joint varies moderately.

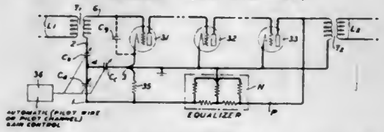
2,075,956

ELECTRIC WAVE TRANSLATING SYSTEM

Edward B. Payne, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 11, 1935, Serial No. 20,951

5 Claims. (Cl. 178—44)



5. A wave translating system comprising a vacuum tube amplifier having a cathode and a grid, an incoming circuit for supplying to said grid and cathode waves to be amplified by said amplifier, a feed-back path for producing negative feed-back in said amplifier, an attenuation equalizer in said feed-back path, and a T-network of condensers in said path for controlling the gain of said amplifier and the impedance into which said equalizer works, one of the arms of said network being in serial relation to said incoming circuit with respect to the grid-cathode path in the amplifier.

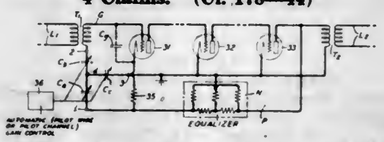
2,075,957

ELECTRIC WAVE TRANSLATING DEVICE

Edward B. Payne, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application May 11, 1935, Serial No. 20,951. Divided and this application December 21, 1935, Serial No. 55,549

4 Claims. (Cl. 178—44)



1. A three-terminal network composed of three capacities C_a, C_b and C_c forming three separate arms, and means for so varying the component capacities as to produce a prescribed variable relation of the attenuation between two pairs of the terminals as input and output terminals and the image capacities of the network, capacity C_a having the value

$$\frac{C_{01}\sqrt{C_{02}}\sinh\theta}{\sqrt{C_{02}}\cosh\theta-\sqrt{C_{01}}}$$

capacity C_b having the value

$$\frac{C_{02}\sqrt{C_{01}}\sinh\theta}{\sqrt{C_{01}}\cosh\theta-\sqrt{C_{02}}}$$

and C_c having the value

$$\sqrt{C_{01}C_{02}}\sinh\theta$$

where C_{01} and C_{02} are the image capacities of

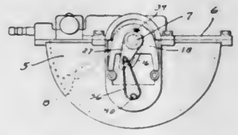
the network and Θ is the real part of the attenuation constant of the network expressed in nepers.

2,075,958
QUATERNARY AMMONIUM COMPOUNDS AND PROCESS OF PREPARING THE SAME
Henry Alfred Piggott, Blackley, England, assignor to Imperial Chemical Industries Limited, Westminster, England
No Drawing. Application May 14, 1934, Serial No. 725,659. In Great Britain May 15, 1933
14 Claims. (Cl. 260—127)

5. A quaternary ammonium salt in which the nitrogen atom contains, besides the anionic portion of the salt, two methyl radicals, one benzyl radical and one open-chain alkyl radical containing from 16 to 18 carbon atoms.

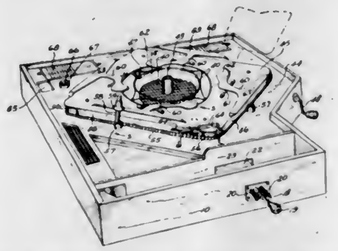
12. The process for the manufacture of quaternary ammonium salts, which comprises interacting a secondary dialkyl amine of the lower aliphatic series in optional order with an alkylating agent containing at least sixteen atoms of carbon, and a benzyl halide.

2,075,959
WINDSHIELD WIPER
Charles S. Previti, Sayville, N. Y.
Application March 30, 1936, Serial No. 71,789
12 Claims. (Cl. 137—139)



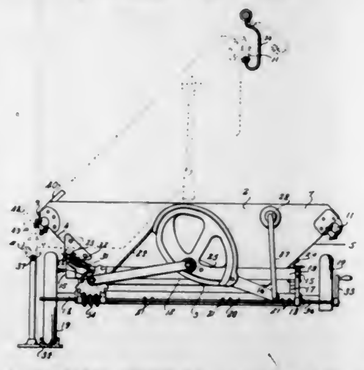
1. A valve action mechanism for windshield cleaner motors, comprising a rock shaft, a pivoted valve, a valve shifting member movable with a delayed motion by the rock shaft and having a lost play connection with the valve permitting delayed movement of the valve by the rock shaft, and a spring device connected with the valve shifting member for imparting final movement to the valve with a quick motion and limiting movement of the valve shifting member.

2,075,960
PARLOR BASEBALL GAME
George Frederick Reichel, Milwaukee, Wis.
Application January 21, 1935, Serial No. 2,714
19 Claims. (Cl. 273—89)



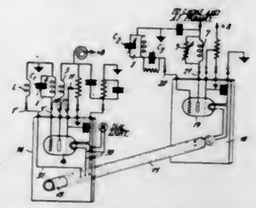
1. In a baseball game, a playing field having bases, a base runner, means for propelling said runner around said bases, and means positioned between bases for disengaging a runner from said propelling means to effect a "put out" when the runner is within the range of said means and before said runner reaches a base.

2,075,961
PORTABLE VEGETABLE PACKING BIN
Benedict F. Reichenberger, Maricopa County, Ariz.
Application January 29, 1936, Serial No. 61,432
4 Claims. (Cl. 214—1)



3. A portable vegetable packing bin having outwardly slanting sides, rollers affixed to said sides adapted to receive rails and positioned so that said bin may be moved longitudinally while in a tilted position, and means for removably attaching said bin to a wheeled carriage.

2,075,962
MULTIRANGE RADIO RECEIVER
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 15, 1932. Serial No. 642,693
6 Claims. (Cl. 250—20)



1. In a multi-range radio receiver a panel at least one high frequency amplifer tube and a detector tube mounted behind the panel, the amplifier tube being provided with at least two independent tunable input circuits and two independent output circuits, said detector being provided with at least two independent tunable input circuits and at least two independent output circuits, means for tuning one of the amplifier and detector input circuits through a common frequency range, additional means for tuning the remaining input circuits of said amplifier and detector through another frequency range, means including an operating lever mounted so as to project through the panel for selectively connecting the amplifier tube and detector tube to either of said circuits of the same range, said means comprising a device for displacing said amplifier tube and detector tube with respect to said circuits.

2,075,963
METHOD OF OBTAINING HIGHER MOLECULAR ALCOHOLS
Walther Schrauth, Berlin-Dahlem, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application May 7, 1932, Serial No. 609,991
3 Claims. (Cl. 260—156)

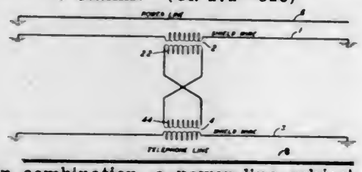
1. The method of producing unsaturated alcohol having an iodine number approximating 85 to 90 which comprises chilling sperm oil to approximately 10° C. to provide solid and liquid fractions, separating the liquid fraction and reducing it with sodium and a low molecular alcohol according to the Bouveault process to produce high molecular unsaturated alcohol.

2,075,964
RUBBER GROOMING DEVICE
Alfred J. Teigeler, Rutherford, N. J.
Application April 27, 1935, Serial No. 18,629
2 Claims. (Cl. 15—127)



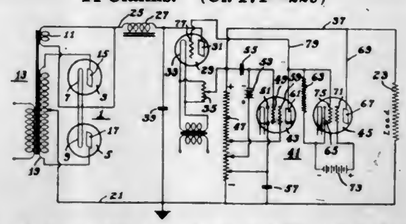
1. A grooming device embodying, in combination, a back member of resilient rubber, a cylindrical flange member of similar resilient material formed integrally with said back member and having a body portion projecting outwardly from said back at substantially right angles and a free outer edge, said grooming device having a semi-spherical seat portion for a spraying head disposed between the inner end of said resilient rubber flange and the bottom of said resilient back member and provided with an entrance surrounded by said flange and a locking groove positioned between said seat portion and the body portion of said flange, and a semi-spherical metallic spraying head removably seated into said seat portion and having a perimetric flange adapted to snap into said locking groove and to be locked in said seat by the resilience of the rubber, and means for connecting said spraying head with a water supply.

2,075,965
SHIELDING SYSTEM
John R. Traves, Toronto, Ontario, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1936. Serial No. 76,402
5 Claims. (Cl. 171—316)



5. In combination, a power line subject to a residual current therein, a telephone line subject to induction therefrom, a grounded shield wire adjacent said power line, a grounded shield wire adjacent said telephone line, a pair of transformers each having one winding in series with one of said shield wires, the remaining windings of said transformers being interconnected so that the voltage induced in the telephone line by the current in the shield wire adjacent the telephone line produced by its interconnection with the shield wire adjacent the power line is 180 degrees out of phase with the voltage induced in the telephone line by the power line residual current through the direct coupling between the power and telephone lines.

2,075,966
REGULATING DEVICE
Arthur W. Vance, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1933, Serial No. 696,001
14 Claims. (Cl. 171—229)



1. In a voltage regulating system for a source of variable voltage, a load, a voltage divider resistor shunted across said load, an electric discharge tube having a control electrode, said tube being connected in the circuit between said source and said voltage divider resistor, and means for controlling the impedance of said tube in accordance with changes in voltage drop across said voltage divider resistor, said means comprising a direct current amplifier having an input circuit connected to said voltage divider resistor and an output circuit connected to said control electrode.

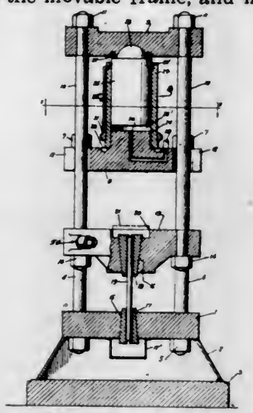
2,075,967
SHEET MATERIAL
Morgan J. Vittengl, Fairfield, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 1, 1934, Serial No. 713,519
6 Claims. (Cl. 91—68)

1. The process of preparing artificial chamois material which comprises impregnating a napped woven cotton fabric base with a rubber dispersion containing in proportion 40 lbs. of raw pale crepe rubber, 10 lbs. of white factice, 10 lbs. of glycerine, 31 lbs. of pigment, and 33 lbs. of filler, said compound being dispersed in 49 gals. of gasoline passing the fabric through squeeze rolls, repeating the impregnating and squeezing until the desired amount of rubber compound has been deposited in the fabric, drying, dusting both sides of the fabric with talc, vulcanizing by means of sulfur chloride and then subjecting the treated fabric to an atmosphere of ammonia.

2,075,968
HYDRAULIC LOAD PRODUCING MEANS
Gerd S. von Heydekampf, Chester, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware
Application April 15, 1933, Serial No. 666,315
4 Claims. (Cl. 265—14)

1. A hydraulic materials testing machine comprising, in combination, means for supporting a

specimen to be tested including stationary and movable frames, hydraulic load producing means including opposed stationary and movable rams, the stationary ram being secured to said stationary frame and the movable ram having provision for being swivelly but non-rotatably connected to the movable frame, and means associ-



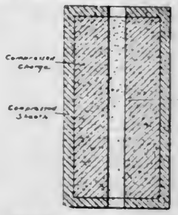
ated with said rams to form a telescopic wall therebetween, said rams having substantially equal opposed fluid pressure areas similarly related to said wall whereby fluid pressure axially applied between said rams effects axial movement of one of the same without axial movement of the wall.

2,075,969

BLASTING EXPLOSIVE CARTRIDGE AND BOREHOLE CHARGE

Albert Greville White and Elwyn Jones, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

Application July 24, 1934, Serial No. 736,752
In Great Britain July 24, 1933
7 Claims. (Cl. 102—5)



1. A safety explosive cartridge or borehole charge comprising a core of black powder and a sheath comprising a borate.

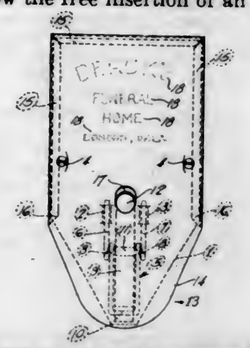
2,075,970

HAT HOLDER

Edwin W. Wood, Edmond, Okla.

Application May 6, 1935, Serial No. 19,956
2 Claims. (Cl. 24—255)

2. A device of the class described comprising: a metal base substantially adapted to conform to the back of a seat or chair; a U-shaped spring having one convolution in each of its shanks, said shanks secured rigidly at their open ends to said base; a tongue having a fulcrum contacting the base, being longitudinally disposed between the shanks of said spring and having its lower end impinged between the closed end of said spring and the base; an outwardly extending push button on the free end of said tongue; and a cover for said spring and tongue attached on three sides to said base member, and having its lower end open to allow the free insertion of an article be-



tween the lower end of said tongue and said base, said cover having a suitable perforation to allow manual operation of said tongue by means of pressure applied to said push button.

2,075,971

MANUFACTURE OF PHENYL MERCURY ACETATE AND PHENYL MERCURY HYDROXIDE

Louis S. Bake, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 13, 1935, Serial No. 6,390
9 Claims. (Cl. 260—13)

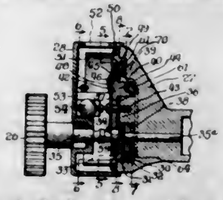
1. The method which comprises the steps of mixing 1 mol. of mercuric oxide with at least 1 mol. of acetic acid and at least 3 mols of benzene and then heating to a temperature of about 120° to about 160° C. at pressures of about 30 to about 110 pounds per square inch until the reaction is complete.

2,075,972

REMOTE CONTROL DEVICE

Edward L. Barrett, La Grange, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois

Application November 8, 1933, Serial No. 697,146
13 Claims. (Cl. 250—20)



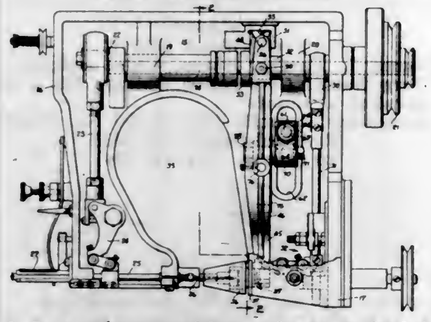
1. A control device comprising, in combination, a base having a recess therein, a pair of rotatable members mounted in said recess for movement relative to each other and to said base, each of said members having an annular groove in a side face thereof, a pair of flexible power transmitting elements, guide means on said base for directing the movement of said power transmitting elements into said grooves, said rotatable members having gear teeth thereon and being arranged so that said gear teeth are alined at least at one point, and an actuating pinion selectively engageable with the gear teeth on one or another of said elements at said point.

2,075,973

SEWING MACHINE FEED-DOG MECHANISM

Howland F. Briggs, Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York

Application July 23, 1936, Serial No. 92,119
10 Claims. (Cl. 112—210)



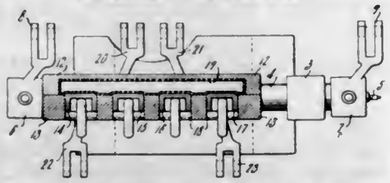
1. In a sewing machine, a frame, a feed-dog for imparting feeding movement to the material being sewn, a feed-dog lever carrying said feed-dog and cooperating means for imparting orbital movement to a part of said feed-dog lever, a pivot longitudinally fixed with respect to said lever about which said lever oscillates in one direction, a collet carried by said pivot and retained against movement in said direction of oscillation, a pivot holder and a second pivot carried thereby and extending through said collet, said pivot being adjustably fixed to said collet and permitting oscillation thereof in the direction normal to the first direction of oscillation, and means for adjustably connecting said pivot holder to the frame longitudinally of said lever.

2,075,974

BRAKE EQUALIZER

Stuyvesant H. Brodhead and William O. Tait, Jr., Mamaroneck, N. Y.

Application February 27, 1936, Serial No. 65,970
6 Claims. (Cl. 188—204)



1. In a fluid equalizer for mechanical brakes, a support, a rock shaft tiltably mounted on said support, a casing fixedly attached to said rock shaft and extending parallel thereto, a body of fluid contained in said casing, a plurality of bell crank levers pivotally carried by said rock shaft, brake connection means at one end of each of said levers, means for tilting said rock shaft and applying pressure on said fluid, and means for transmitting pressure from said fluid to the other end of each bell crank lever.

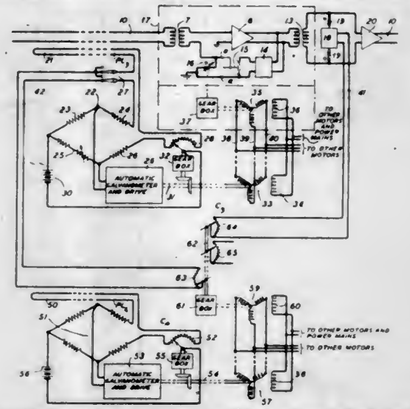
2,075,975

TRANSMISSION REGULATION

Fred A. Brooks, Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 8, 1935, Serial No. 44,047
7 Claims. (Cl. 178—44)

1. In a regulating system for repeaters, a plurality of repeaters to be simultaneously regulated, a mechanism at each repeater regulatable by a continuous movement throughout the extent of movement required to effect regulation, a main control member movable to different extents by



a continuous movement, rotors connected individually to said mechanisms and to said control member, and an electrical interlock between said rotors whereby movement of said control member causes like movement of each of said mechanisms.

2,075,976

PREVENTION OF CORROSION

William S. Calcott, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 7, 1933, Serial No. 688,463
6 Claims. (Cl. 23—2)

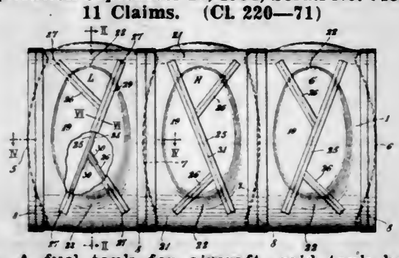
1. The method of reducing corrosion of ferrous materials subject to attack by water containing carbon dioxide, oxygen, and combined sulfur which comprises maintaining a small concentration of caustic treated casein therein.

2,075,977

FUEL TANK FOR AIRCRAFT

Carl de Ganahl, Greenlawn, N. Y., assignor to Fleetwings, Inc., Garden City, Long Island, N. Y., a corporation of Delaware

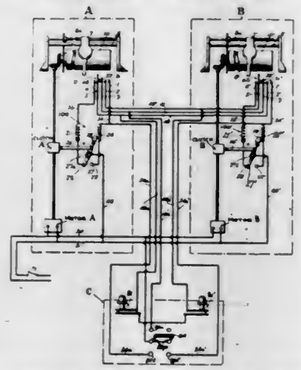
Application September 14, 1934, Serial No. 743,968
11 Claims. (Cl. 220—71)



1. A fuel tank for aircraft, said tank being formed of thin sheet metal and comprising confining side walls and opposite end walls and a plurality of diaphragms connected with the side walls and dividing said side walls into a plurality of independently vibratable sections longitudinally of the tank, the side wall in each of said sections having a mid portion subject to vibratory energy, and each of said mid portions

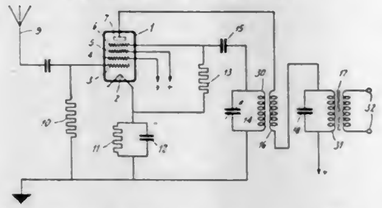
being domed and shaped so that it is constantly curved throughout its width longitudinally of the tank.

2,075,978
PHONOGRAPHIC SYSTEM
Orville M. Dunning, Glen Ridge, and Richard M. Somers, Orange, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application May 31, 1935, Serial No. 24,238
22 Claims. (Cl. 274—18)



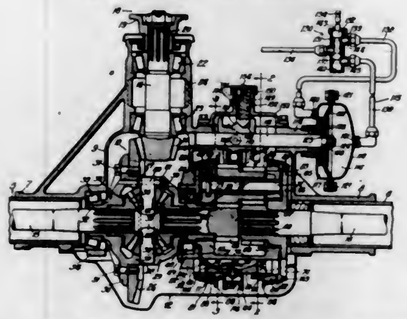
1. In combination, a plurality of phonographs; an automatic system connected with all of said phonographs and energizable to maintain the same in sequential operation, said automatic system including a plurality of stopping means for the several phonographs respectively; and means operable selectively to energize said automatic system and to actuate the stopping means of all operating phonographs.

2,075,979
AMPLIFYING OR RECTIFYING DEVICE
Popko Reinder Dyksterhuis and Jacob van Slooten, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware
Application February 4, 1935, Serial No. 4,800
In Germany March 15, 1934
4 Claims. (Cl. 250—20)



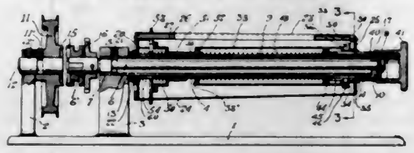
4. In a device of the class described, the combination of a thermionic tube having a cathode, a signal control grid, a screen grid, a first cold electrode and a second cold electrode arranged in the order named, a circuit connecting said cathode and signal control grid including a resistor and means for biasing said control grid negative with reference to said cathode, means for impressing signal voltage variations of a desired frequency on said signal control grid, a parallel resonant circuit tunable to the desired signal frequency having one end connected to said first cold electrode and its other end to the lower end of said resistor, means for causing oscillatory currents to flow in said parallel resonant circuit, means for impressing a substantially constant positive potential on said screen grid and an audio frequency output circuit connected to said second cold electrode.

2,075,980
AUTOMOBILE DRIVE
Thomas L. Fawick, Akron, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 15, 1933, Serial No. 675,945
Renewed October 10, 1935
29 Claims. (Cl. 74—314)



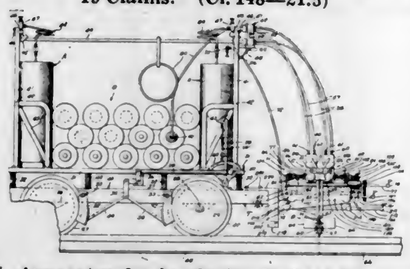
1. In a change speed gear, a driving pinion, a driven pinion, change speed gears connecting said pinions, a cage mounting said change speed gears, a pair of clutch members, one for one end of said cage and the other for the opposite end of said cage, means for rendering said clutch members operable, and means operable in advance of the rendering operative of said clutch members for bringing said clutch members and said cage to substantially the same speed.

2,075,981
PHONOGRAPH
Willis S. Fridell, Washington, D. C., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application January 2, 1932, Serial No. 584,373
17 Claims. (Cl. 274—40)



8. In a support for cylindrical records, movable record holding means, a record ejector, said ejector being movable to a predetermined position by a record in the application of the latter to operative position on the support and being biased to a position removed from such predetermined position, the ejector being adapted to eject the record upon movement from said predetermined position, means for automatically locking said ejector in said predetermined position, an operating member, means actuatable by said operating member for releasing said locking means, and means for moving said record holding means to operative position including a device in which energy is stored by said operating member when actuated to release said locking means.

2,075,982
METHOD OF AND APPARATUS FOR HEAT TREATING RAILS
Harry S. George, Massapequa, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application September 6, 1933, Serial No. 688,335
19 Claims. (Cl. 148—21.5)



7. Apparatus for hardening by heat treatment the tread surface areas of abutting rails at a rail joint, comprising the combination of supporting means adapted to rest upon at least one rail of a track, said supporting means being stationary during a heat treating operation; two sources of heat mounted for movement on said supporting means and adapted to be disposed above the tread surfaces of adjoining rails; means for adjusting at least one of said sources of heat longitudinally of the rails, and with respect to the rail joint and the supporting means, so as to position both of said sources of heat properly for starting a heat treating operation; and means for reciprocating said sources of heat transversely over the tread surfaces of the rails while said supporting means remains stationary.

9. Apparatus for simultaneously heat treating in situ tread surface areas at the ends of abutting rails at a rail joint, comprising the combination of a support; at least two sources of heat mounted for movement on said support and adapted to be disposed above the tread surfaces near the extreme ends of the heads of the abutting rails; and means for moving said sources of heat longitudinally of the rails in opposite directions from their abutting ends.

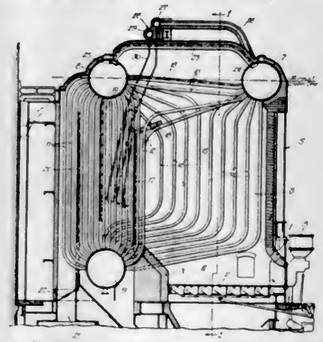
2,075,983
METHOD OF HEAT TREATING RAILS
Harry S. George, Massapequa, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application September 6, 1933, Serial No. 688,336
7 Claims. (Cl. 148—21.5)

7. A method of hardening a surface of a ferrous metal body which comprises applying a high temperature heating medium directly to all portions of said surface except to those portions closely adjacent the boundaries of said surface, so as to heat only by conduction said portions adjacent said boundaries and to directly heat the remaining portions of said surface; and cooling the so heated surface at a rate sufficient to harden the same.

2,075,984
PROCESS OF COMPRESSING GASES
Stanley L. Handforth, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 9, 1934, Serial No. 710,564
7 Claims. (Cl. 230—1)

2. The process of compressing gases containing a corrosive vapor including oxides of nitrogen, which process comprises removing from the gases substantially all entrained mist, heating the gases above the dew point of the corrosive vapor, compressing the gases while maintaining the gases above the temperature at which corrosive condensate can form, the gases thus maintained being compressed, in the absence of liquid organic lubricant, in a compressor, the frictionally moving and gas-contacting surfaces of which are comprised of at least two dissimilar materials, including a metal and graphite, whereby the electrolytically induced corrosive effect of said condensate on the compressor parts is substantially prevented.

2,075,985
WATER WALL BOILER
George W. Heald and Audrey J. Popham, Chicago, Ill.
Application September 9, 1935, Serial No. 39,693
6 Claims. (Cl. 122—336)

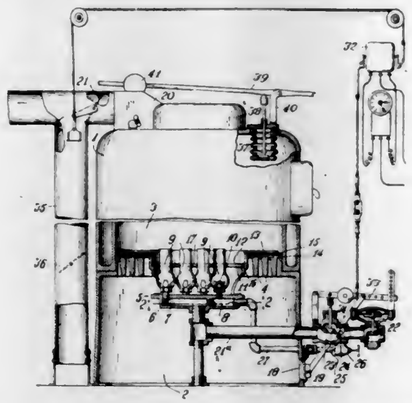


1. In a boiler structure, a setting defining a furnace and a combustion chamber therein, a boiler comprising a lower rear mud drum and two upper steam and water drums adjacent the front and the back of the furnace, a plurality of tubes disposed in proximity to the inner face of each side wall of said furnace and providing a water wall therefor, each of said plurality of tubes comprising two sets of tubes, the tubes of one set being of approximately L-shape lengthwise with lower arms connected to and extending upward and forward from said mud drum and substantially vertical upper arms extending toward and connected to said front upper drum, the tubes of the other set connecting said mud drum to said rear upper drum and being of approximately U-shape with their bight portions disposed substantially vertically, a bank of water tubes connecting said two upper drums, a bank of tubes connecting said rear upper drum to said mud drum, and a bank of tubes of approximately L-shape lengthwise connecting said mud drum to said front upper drum, the lower arms of the tubes of the last named bank being substantially vertical and the upper arms thereof extending upward and forward between said water walls substantially at the upper ends of the vertical arms of certain of the tubes of said water walls.

2,075,986
GASEOUS FUEL CONSUMING HEATING APPARATUS
Frank Henneböhle, Chicago, Ill.
Application August 30, 1934, Serial No. 742,158
1 Claim. (Cl. 158—7)

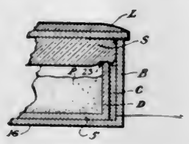
A heating apparatus comprising an air pit, a combustion chamber, an air intake port for the air pit, a damper controlling the same, an exhaust

flue from the combustion chamber, a damper controlling the same, a gaseous fuel burner disposed between the air pit and the combustion chamber and comprising two sets of burners each including a gaseous fuel supply nozzle and a burner tube for each nozzle projecting above the same, air ducts leading from the air pit into the said tubes and constituting the sole connections between the air pit and the combustion chamber and adapted to provide only sufficient air for admixture with the gaseous fuel to produce substantially perfect combustion, connection between each of the said respective sets of nozzles and a source of gaseous



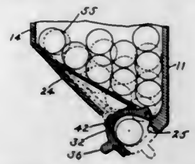
fuel, temperature responsive means including a valve for shutting off the supply of gaseous fuel to one of said sets of nozzles when the temperature controlling the operation of said temperature responsive means has attained a predetermined high point, connection between said temperature responsive means and said dampers and controlling said respective dampers for disposing the latter, simultaneously with shut off of said gaseous fuel supply to one set of burners to restrict air supply to the air pit and exhaust of gases from the combustion chamber respectively, to accord substantially with the volume of air required to supply the other set of said burners.

2,075,987
CONTAINER FOR DRY COMMINUTED MATERIAL
Byron S. Houck, Los Angeles, Calif.
Application March 12, 1934, Serial No. 715,204
5 Claims. (Cl. 229—43)



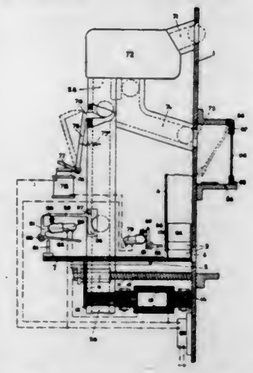
1. A container for comminuted dry materials comprising: a box open at its top, an inner receptacle for the material having a continuous edge in a single plane below the open edge of said box, a lid attachable to and for closing said box, a compressible seal secured to the lower side of said lid and overlying the edge of said receptacle and having its marginal portions formed so as to telescope into said box, and means for securing said lid to and for tensioning the same on said box for holding said seal compressed against the edge of said receptacle.

2,075,988
CONTAINER
Conrad W. Johnson, Jamestown, N. Y.
Application October 15, 1934, Serial No. 748,420
2 Claims. (Cl. 312—84)



1. In a dispensing container having a delivery opening, a mechanism for dispensing articles from said container, said mechanism being located in said opening and comprising an article receiver, means pivotally supporting said receiver, said receiver being rotatable to close said delivery opening, a plate in said container constituting a false base thereto, means pivotally connecting the forward edge of said plate to the rear edge of said receiver, said plate, during one complete oscillation of said receiver, being constrained to move forwardly and upwardly from off the base wall of the container whereby to agitate or tumble articles in the container during each dispensing operation.

2,075,989
AUTOMATIC DISTRIBUTOR
Francis Jonneret and Alexandre Schoch, Geneva, Switzerland
Application August 3, 1935, Serial No. 34,619
In Switzerland May 31, 1935
4 Claims. (Cl. 194—10)

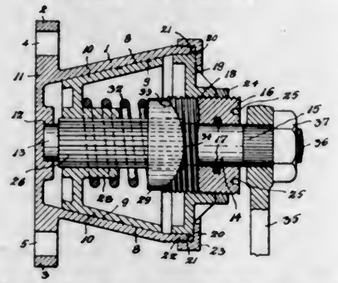


1. In a vending machine, a main coin chute, electrically operated article ejecting means, means for operation by a coin passing through the main coin chute to control ejecting operation of said article ejecting means, a coin return chute leading from the main coin chute between said last named means and the inlet end of the main coin chute, a coin deflector member also disposed between said last named means and the inlet end of the main coin chute and tending constantly to move into the main coin chute to deflect coins through said coin return chute, and normally energized electrical means operated from the same source as said article ejecting means maintaining said coin deflector normally withdrawn from the coin chute, whereby, in the event of failure of the current supply for actuating the article ejecting means, the coin deflector moves into the coin chute to deflect coins through the coin return chute before the coins can reach the means for controlling the ejection of articles from the machine.

2,075,990
CAST IRON
Thomas Daniel Kelly, Wallington, England
No Drawing. Application April 16, 1935, Serial No. 16,718. In Great Britain October 24, 1934
1 Claim. (Cl. 75—126)

An alloy containing 2 to 9% carbon, 15 to 24% chromium, up to 5% molybdenum and copper, 10 to 15% manganese, 2% lead, with the balance iron plus impurities.

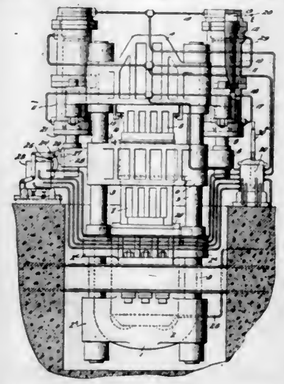
2,075,991
SHOCK ABSORBER
Martin Kessler, East Cleveland, Ohio
Application June 10, 1935, Serial No. 25,752
4 Claims. (Cl. 267—9)



1. A shock absorber, comprising, in combination, a stationary member, a shaft rotatable within said member, a conical friction member on said shaft and longitudinally movable with respect thereto, an adjustable cam member on the stationary member, a cam member on the shaft and longitudinally movable with respect to the latter, resilient means between the conical member and the cam member on the shaft for maintaining said conical member in frictional contact with the stationary member, and means for rotating the cam member on the shaft and the conical friction member in either direction of rotation with respect to the adjustable cam member on said stationary member for producing longitudinal movement of the cam member on said shaft toward said resilient means to thereby increase the friction between the housing and conical member.

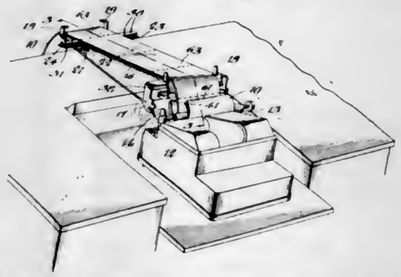
2,075,992
PRODUCTION OF COMPACT MOLDED BODIES FROM CERAMIC MASSES, CONCRETE OR THE LIKE
Elisabeth Lux, Dusseldorf-Heerdt, and Joseph Daniels, Essen-Ruhr, Germany
Application August 30, 1934, Serial No. 742,192
In Germany August 31, 1933
4 Claims. (Cl. 25—56)

1. Device for the production of molded bodies from ceramic masses, concrete or the like comprising a mold open on two oppositely disposed sides, plungers so arranged and constructed that the mass charged into the mold hollow is pressed together by means of the plungers, and means for



effecting positive up and down movement of the mold during the compressing operation.

2,075,993
PAPER SUPPLY CONTROLLING ATTACHMENT FOR TYPEWRITING MACHINES AND THE LIKE
Carl Robert Mabon, Niagara Falls, N. Y., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y., a corporation of Delaware
Application March 12, 1935, Serial No. 10,684
18 Claims. (Cl. 197—126)

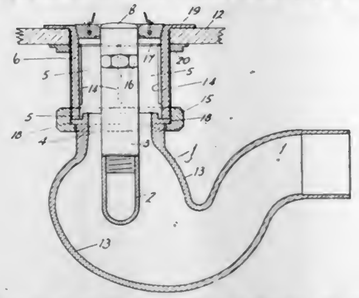


1. In a typewriting machine, the combination with means for feeding superposed work sheets, of a holder for interleaved carbons movable with the sheets, a truck for said holder movable toward and from said feeding means, and a guide track for said truck and work sheets extending rearwardly from said feeding means, said track being inclined downwardly and rearwardly and tending constantly to urge the truck rearwardly by gravity.

2,075,994
SUPPLY MEANS FOR TANKS AND OTHER RECEPTACLES
Richard John Minns, Renhold, England
Application September 9, 1935, Serial No. 39,825
In Great Britain September 13, 1934
5 Claims. (Cl. 4—196)

1. In supply means for tanks and other receptacles, the combination of a waste trap, an inlet for fluid thereto, a feed-pipe removably fitted into said inlet leaving an annular outlet space for waste fluid around same and the inner wall of the trap, and a normally closed valve applied to said feed-pipe lying flush with the inner surface of the

receptacle, said valve being adapted to be opened by the pressure of fluid in said feed pipe and to



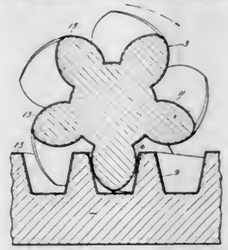
automatically return to closed position on cessation of said pressure.

2,075,995

GEARING AND METHOD OF CONDITIONING THE SAME

Mathew B. Morgan, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application May 29, 1935, Serial No. 24,141
5 Claims. (Cl. 29—159.2)



1. A pair of machine finished intermeshing gears comprising sets of teeth finished as closely as practical to normal contours and sizes, and a thin plating of copper covering at least the working surfaces of said teeth and adapted to be worn away during an initial conditioning period.

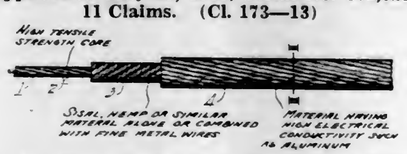
4. The method of conditioning a pair of finished gears to remove tooth surface imperfections and to insure proper backlash clearance which comprises finishing the gears so as to have a predetermined backlash clearance, coating the working surfaces of the teeth with a thin layer of ductile material, and operating said gears under service conditions so as to simultaneously wear away said coating and any surface imperfections, to leave the tooth surfaces in perfect operating condition, and to reestablish said predetermined backlash clearance.

2,075,996

ELECTRICAL CONDUCTOR

Maxwell E. Noyes, Mount Lebanon, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application May 18, 1933, Serial No. 671,629
11 Claims. (Cl. 173—13)



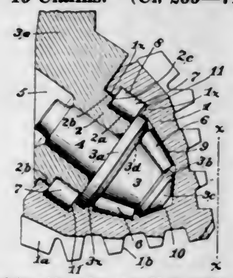
1. An electric conductor cable comprising a central core of high tensile strength and an outer sheath of wires having a higher electrical conductivity than the central core, said central core and wires separated by an intermediate layer of fibrous strands.

2,075,997

ROLLER CUTTER, SPINDLE AND BEARING ASSEMBLY FOR EARTH BORING DRILLS

Clarence E. Reed, Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application June 25, 1935, Serial No. 28,329
15 Claims. (Cl. 255—71)



1. In combination in a roller cutter, spindle and bearing assembly for earth boring drills, a spindle comprising a main section, a support therefor and a terminal section having a body portion of frusto-conical form with an annular flange at the base end thereof larger in diameter than said body portion, said body portion terminating at its smaller end in an annular flange having a beveled end face, said spindle sections having a raceway between them of which the said annular flange at the base of the body of the terminal section forms a side wall, frusto-conical anti-friction rollers on the tapered body portion of the terminal section, means for fastening the terminal spindle section to the main spindle section, rolling anti-friction bearings in the raceway between the spindle sections, and a toothed rotary cutter having a bore receiving the spindle and enclosing its free end, the wall of the cutter bore having raceways for the frusto-conical rollers and the rolling bearings, substantially as described.

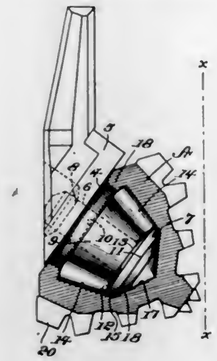
2,075,998

ROLLER CUTTER ASSEMBLY FOR EARTH BORING DRILLS

Clarence E. Reed, Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application July 30, 1935, Serial No. 33,882
Renewed September 14, 1936
6 Claims. (Cl. 255—71)

1. An earth boring drill having a main spindle section and a support therefor, said main spindle section tapering from the support to its end, a terminal spindle section having a head or flange, a portion of which contacts with the end face of the main spindle section, and a portion of which flange is of larger diameter than the small diameter end of the main spindle section, a stem on the terminal section seated in a bore of the main spindle section, a cutter having a runway surface complementary to the surface of the tapered main spindle, a shoulder at the base of the main spindle section, and tapered anti-friction rollers between the cutter and the main spindle section bearing on the complementary runway surfaces of the main section and the cutter, the small diameter ends of said rollers contacting a bevelled side face of the flange of the terminal spindle section, and the large diameter ends of said rollers



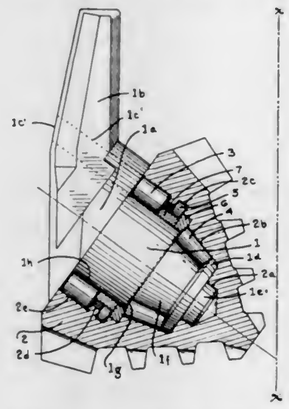
contacting the shoulder at the base of said main section, the roller cutter having a flange contacting the faces of the larger diameter ends of the rollers, substantially as described.

2,075,999

ROLLER CUTTER AND ANTIFRICTION BEARING ASSEMBLY FOR EARTH BORING DRILLS

Clarence E. Reed, Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application August 2, 1935, Serial No. 34,443
25 Claims. (Cl. 255—71)



1. In a roller cutter assembly and in combination a spindle and its support formed in one piece, said spindle having a tapered free end portion with a flange formed integral therewith, a roller cutter enclosing the spindle and flange, means locking the roller cutter rotatively on the spindle including members engaging within an annular groove in the cutter bore and a ring on the spindle engaged by said locking members, said flange being of less outside diameter than the bore of the ring, rolling bearings between the spindle and the cutter, said ring being positioned between the groove in the cutter and the said flange,

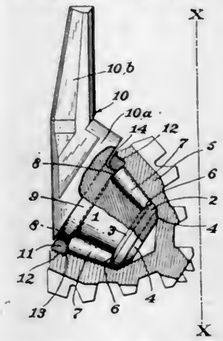
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2,076,000

ROLLER CUTTER AND ANTIFRICTION BEARING ASSEMBLY FOR EARTH BORING DRILLS

Clarence E. Reed, Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application August 6, 1935, Serial No. 34,991
Renewed December 15, 1936
2 Claims. (Cl. 255—71)



1. A roller cutter, spindle and anti-friction bearing assembly for earth boring drills, comprising a spindle having a frusto-conical bearing portion with an annular flange at its smaller diameter free end, and with an annular shoulder at its larger diameter end, frusto-conical roller bearings on said body portion having their smaller end faces engaging said annular flange, and their larger diameter end faces in part engaging the annular shoulder on the spindle, a frusto-conical roller cutter mounted on the frusto-conical roller bearings and having a ring shaped member held within its base and bearing on a part of the larger diameter end faces of the frusto-conical bearing rollers, said rollers taking end thrusts of the frusto-conical roller cutters both outwardly and inwardly in respect to the vertical axis of the drill, the outward end thrust being imposed upon the peripheries of said rollers, and sustained by said shoulder and the inward thrust being imposed upon the larger diameter end faces of said rollers, and transmitted through said rollers to the annular flange.

2,076,001

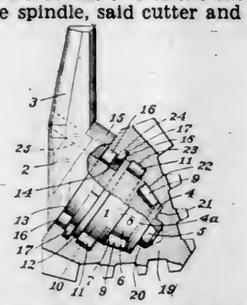
ROLLER CUTTER SPINDLE AND ANTI-FRICTION ASSEMBLY

Clarence E. Reed, Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

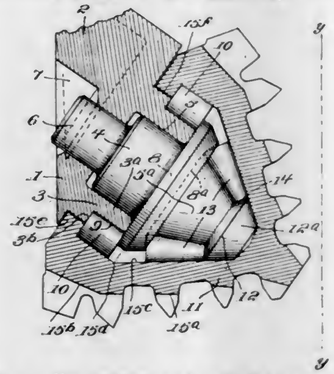
Application August 7, 1935, Serial No. 35,188
16 Claims. (Cl. 255—71)

1. A roller cutter, spindle and anti-friction bearing assembly for earth boring drills comprising a one piece spindle, a one piece roller cutter mounted on the spindle, rolling bearings for locking the roller cutter on the spindle rotatively, said rolling bearings engaging the wall of a groove in the cutter and engaging a shoulder on the spindle in one piece therewith located between said rolling bearings and the free end of the spindle, and additional rolling bearings in the cutter bore engaging the wall thereof and the spindle, and located intermediate the locking rolling bearings and the base face of the cutter to take radial loads, substantially as described, a spindle support having a gateway through which the locking rollers are accessible and the additional roller

bearings are insertable after the cutter is assembled on the spindle, said cutter and spindle having their complementary bearing surfaces unbroken for the rolling thereon of said rolling bearings.



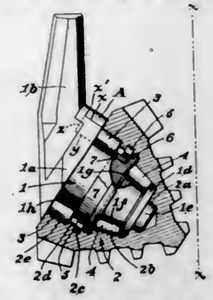
2,076,002
ANTIFRICTION BEARING ASSEMBLY FOR EARTH BORING DRILLS
Clarence E. Reed, Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application November 6, 1935, Serial No. 48,576
4 Claims. (Cl. 255—71)



1. In a roller cutter and spindle assembly for earth boring drills the combination of a frusto-conical roller cutter, a spindle having a free end inclosed by said cutter, said cutter and spindle having between them at their bases an annular friction bearing and having an annular tapered friction bearing between the free end of the spindle and the wall of the cutter bore at the apex portion of said bore, and rolling bearings between the cutter and the spindle, including cylindrical rollers and tapered rollers located at a zone of said spindle intermediate the annular tapered friction bearing and the said friction bearing at the bases of the cutter and spindle, the wall of the cutter bore being tapered to bear on said tapered rollers and coincident with the tapered friction bearing portion of said wall.

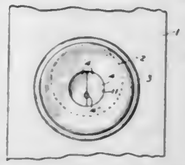
2,076,003
EARTH BORING DRILL
Clarence E. Reed, Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application November 29, 1935, Serial No. 52,272
4 Claims. (Cl. 255—71)

1. A spindle and support for a roller cutter assembly of an earth boring drill having a raceway surface on the spindle adjacent the support for anti-friction bearings, a gateway in the support extending in a plane at right angles to the axis of



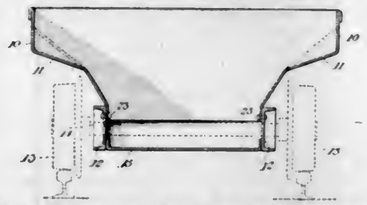
the spindle, said gate opening in a direction radial to the axis of the spindle and communicating with said raceway and a gate member to close said gateway, substantially as described.

2,076,004
KEYHOLE GUIDE
Ralph A. Ringseis, San Francisco, Calif.
Application May 2, 1936, Serial No. 77,511
8 Claims. (Cl. 70—454)



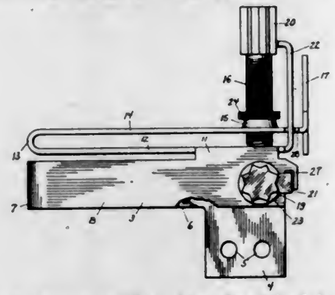
1. A keyhole guiding device for flat-type keys of cylinder-type locks comprising a shallow funnel-like plate with an opening at its small end to receive the key, means mounting said funnel-like plate adjacent the face of the lock with its opening substantially aligned with the keyhole of the lock, and the mounting means providing for free bodily rotation of said funnel plate.

2,076,005
BOTTOM DUMP APPARATUS WITH SLOPING DISCHARGE WALLS
Hugh W. Sanford, Knoxville, Tenn.
Application March 11, 1935, Serial No. 10,527
7 Claims. (Cl. 105—247)



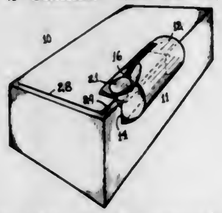
1. A self-clearing dump apparatus having a sloping discharge wall with a surface of smooth chrome nickel steel characterized by its resistance to corrosion and abrasion and its low friction opposed to sliding of material in the apparatus, said surface being positioned at an angle not greater than 16 degrees relative to the horizontal when in condition for dumping, whereby lading in the said apparatus may slide along said wall for gravity discharge.

2,076,006
REAR SIGHT FOR GUNS
Albert Sherman, Hampton, Va.
Application February 10, 1936, Serial No. 63,134
8 Claims. (Cl. 33—56)



7. In a device of the class described having a sighting element, two resilient elements, each of said resilient elements having two ends adapted to move in only one direction relative to each other, one of said resilient elements being connected at one end to and carrying said sighting element and being connected at its other end to an end of the other of said resilient elements, each of said resilient elements being adapted to deflect in one of two mutually perpendicular directions respectively, and means for independently adjusting the deflections of said resilient elements.

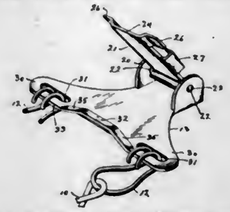
2,076,007
PAPER BOX OPENER
Francis E. Smith, Verdon, Nebr.
Application October 17, 1935, Serial No. 45,394
2 Claims. (Cl. 30—3)



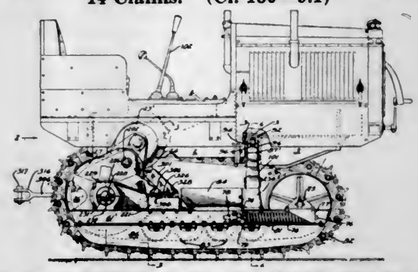
1. A paper box opener comprising a frame having two elongated surfaces disposed at a right angle with respect to each other, one of said surfaces having a slot opening therethrough in parallelism with the other of said surfaces, a knife pivotally mounted in the slot and adapted to be guided thereby during swinging movements of the cutting edge of the knife outwardly of said slot, and resilient means for returning said cutting edge within the slot for protecting said edge.

2,076,008
CLAMPING BUCKLE
Frank E. Stahl, Tonawanda, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application December 21, 1934, Serial No. 758,678
3 Claims. (Cl. 24—193)

1. As an article of manufacture, a buckle for clamping a strap in position, comprising a body, means for keeping the strap in substantially parallel relation with the outer surface of the body, comprising a lock bar carried by the body and located at one end thereof, said lock bar being offset in its relation to the outer surface of the body so that the strap may be passed thereunder before it is clamped in position, a clamping member carried by the body and pivoted at the opposite end thereof, the free end of the clamping member being adjacent to the lock bar when the member is in its strap-clamping position, outwardly extending, flat finger tabs formed at the free end of the clamping member, said tabs having their finger-engaging surfaces offset from the body part of the clamping member and lying in a plane which is parallel to the plane of such body part, and a cam formed on the pivotal end of the clamping member for clamping engagement with the strap.



2,076,009
MOTOR VEHICLE
Oscar L. Starr, Mission San Jose, and Harmon S. Eberhard, San Leandro, Calif., assignors to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application May 28, 1932, Serial No. 614,158
14 Claims. (Cl. 180—9.1)



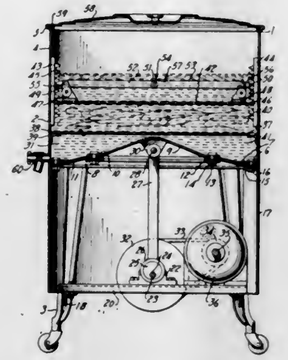
1. In a high-clearance track-type tractor, a body unit, spaced truck frames between which the body unit is located, a wheel at each side of the body unit, housings connected to said body unit adjacent the rear end thereof and to said truck frames, said housings elevating the rear of said body unit above the rotational axes of said wheels, and elevating means for the front of said body unit comprising elevating blocks on said truck frames and equalizer means supported by said blocks.

2,076,010
GAME
Benjamin T. String, Norwood, Ohio
Application July 19, 1934, Serial No. 736,004
3 Claims. (Cl. 273—100)



1. A quoit-like game playing piece having substantial triangular shape and formed of a bar having its ends in one side of the triangle and in spaced relation to each other.

2,076,011
WASHING MACHINE
Harry E. Surface, Bloomington, Ill., and Charles E. Wood, Baxter Springs, Kans.
Application September 17, 1934, Serial No. 744,318
8 Claims. (Cl. 68—37)



1. A washing machine including a tub for containing a wash liquid, a cone-shaped diaphragm provided with a flexible ring for forming the bottom of the tub, perporate disks mounted in the tub for retaining the clothes to be washed relatively immobile under movement of the wash liquid, an eccentric for vibrating the diaphragm for pulsating the wash liquid through the clothes, and driving means for the eccentric.

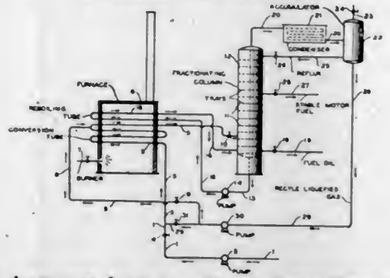
2,076,012
ENVELOPE FOR AN ELECTRIC DEVICE
Clayton T. Ulrey, East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 1, 1933, Serial No. 696,189
Renewed February 18, 1937
12 Claims. (Cl. 250—35)



1. In combination with a plurality of electrodes, of a vitreous envelope, a portion of said envelope being relatively thin as compared to the remainder of said envelope, said portion being homogeneously united with the remainder of said envelope and having a materially lower absorption to radiations below the visible portion of the spectrum than does the remainder of said envelope, said portion extending around the entire circumference of said envelope.

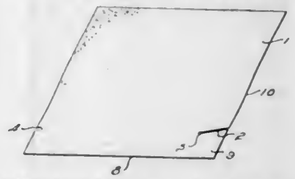
10. Steps in the method of forming an envelope for an electric device comprising heating a complete circumferential section of a vitreous hollow member, said section being located intermediate the ends of said member, applying pressure to the interior surface of said heated section to force the same outwardly and drawing said heated section to reduce the thickness of the same.

2,076,013
COMBINED STABILIZING AND GAS CONVERSION PROCESS
Malcolm P. Youker, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application July 5, 1933, Serial No. 679,116
9 Claims. (Cl. 196—10)



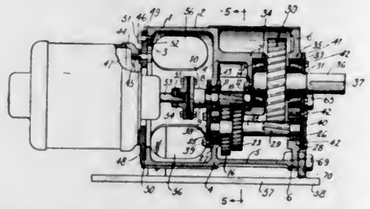
5. A process for converting and stabilizing unstable gasoline containing substantial quantities of hydrocarbons which are too unstable to be incorporated in motor fuels, which comprises passing the unstable gasoline in a restricted stream through a heating zone and therein subjecting the same to temperatures between 750° F. and 1150° F. while maintaining the same under a pressure between 500 and 3000 pounds per square inch for a time sufficient to convert a portion of said hydrocarbons which are too unstable to be incorporated in motor fuels to materials which are sufficiently stable to be incorporated in motor fuels while simultaneously reforming that portion of the original material which was sufficiently stable originally to be incorporated in motor fuels, then introducing said stream into a rectification zone, subjecting the material in the rectification zone to a reflux condensate formed from a portion of said material and thereby fractionating stable motor fuel from material lighter and heavier than said motor fuel, and passing a portion of the last mentioned lighter material with the unstable gasoline through the heating zone.

2,076,014
ROOFING
Fred H. Bluhm, Detroit, Mich.
Application June 13, 1935, Serial No. 26,405
1 Claim. (Cl. 108—7)



A roof formed from a plurality of independent composition shingles laid in horizontal rows, each shingle being in the form of a rhomboid without projections and being laid with the bottom edges horizontal and with the side edges extending in parallel relation and at an angle to the vertical, each shingle having a slot adjacent the bottom edge extending inwardly and downwardly from one angular edge at a slight angle to the bottom edge and a notch extending inwardly from the opposite angular edge at approximately the same distance from the bottom edge as the slot, the arrangement being such that the notched edge of one shingle may be inserted in the slot of an adjacent shingle with the notched angular edge of the shingle extending beyond the inner end of the slot of the adjacent shingle, the slotted angular edge of one shingle above the slot overlying the notched angular edge of the other shingle above the notch and the lower corner of the slotted shingle below the slot being nailed in position and the angular notched edge of the adjacent shingle extending through the slot and over the nail, the four edges of each shingle being straight.

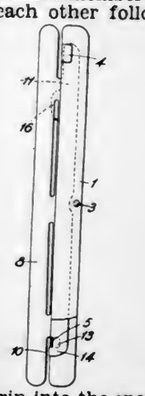
2,076,015
SPEED REDUCTION POWER UNIT
Clifford E. Broome, Euclid, Ohio
Application April 26, 1935, Serial No. 18,408
4 Claims. (Cl. 74—421)



1. In a speed reduction power unit, a main frame comprising a transverse end wall, a transverse intermediate wall, and a bracket between the end and intermediate walls supported on the intermediate wall, the said walls and bracket being rigidly integral in one piece and formed from cast metal, a lateral outwardly open aperture between the end wall and bracket formed to receive a main gear when projected laterally inwardly thereinto to position it between the end wall and bracket, aligned bearing apertures in the bracket and end wall, a bearing in the bracket aperture, a power supplying shaft projected through the end wall bearing aperture and through the main gear when in said position and into the bearing in the bracket aperture, a bearing in the end wall aperture telescoped over the power supplying shaft, a counter-shaft having a pinion thereon meshed with the main gear, aligned bearing apertures in the end and intermediate walls into which the opposite ends of the counter-shaft project, counter-shaft bearings in the apertures and on the counter-shaft end and supporting the counter-shaft, a gear on the counter-shaft, a motor supported on the main frame and operatively connected to the counter-shaft gear to drive it.

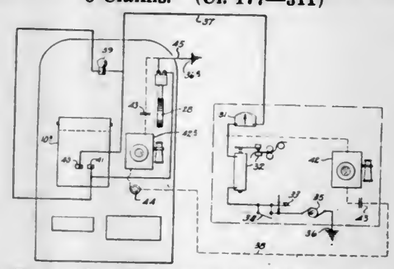
2,076,016
CORSET AND THE LIKE FASTENING
Albert Rayner Canham, East Sheen, London, England
Application March 21, 1936, Serial No. 70,131
In Great Britain April 10, 1935
8 Claims. (Cl. 24—204)

1. A fastening comprising a socket member and an insertable strip for detachable interlocking cooperation with said socket member, said socket member comprising a pair of superimposed spaced apart elongated resilient strips joined together for longitudinal movement relative to each other at least at one end of the member, elements carried by at least one of the strips of the socket member and extending across the space between said strips, and tongues on said insertable strip formed for interlocking engagement with said elements by longitudinal movement of the socket member and insertable strip relative to each other following insertion



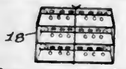
of the insertable strip into the space between the strips of said socket member.

2,076,017
MESSAGE DROP BOX AND SIGNALING SYSTEM
Louis Casper, Brooklyn, N. Y.
Application December 7, 1928, Serial No. 324,397
5 Claims. (Cl. 177—311)



3. In combination with a message drop box having a normally closed slot, means for transmitting a series of characteristic signals, manually operated means for exposing said slot, an actuating connection between said manually operated means and the characteristic signal transmitting means, a message receptacle in said box, normally closed electric contacts in said receptacle, a normally closed circuit serially including said signal transmitting means and contacts, means operable by the actuation of said slot exposing means for opening said normally closed contacts, and a box carried signaling means in a circuit shunting said contacts for control thereby.

2,076,018
PACKAGE
George K. S. Ferguson, Baltimore, Md., assignor to The Baltimore Paper Box Company, Baltimore, Md.
Application August 7, 1934, Serial No. 738,855
11 Claims. (Cl. 229—6)

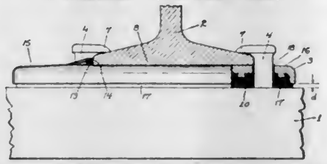


4. A package for use in shipping young fowl comprising superposed boxes, each box being of approximately pyramidal shape and having an imperforate bottom, the side walls of each box being provided with upper and lower ventilating

openings, means at the top of each box to prevent air from passing through the top of the box, and means for binding said boxes together.

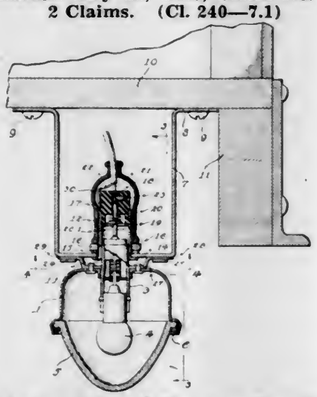
6. In a chick box, a body having side walls provided with ventilating openings, and a lid for the body provided with a skirt having scored slugs registering with said openings.

2,076,019
TIE PLATE
Albert F. Fifield, St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio, an organization of Ohio
Application May 3, 1932, Serial No. 608,949
7 Claims. (Cl. 238—283)



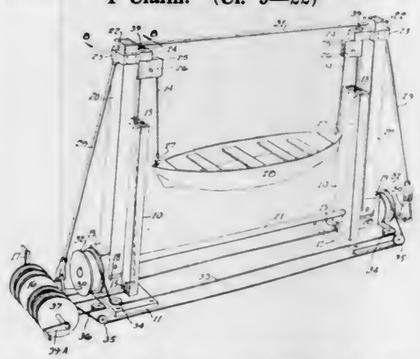
1. In combination with a tie plate comprising a perforated metal upper plate having depending peripheral flanges and an integral rubber base disposed inwardly of and extending downwardly beyond the flanges and provided with perforations aligned with the plate perforations, said metal plate and base being disposed between a rail and a tie, the lower face of said rubber base being cementitiously affixed to the upper surface of the tie, lever means actuated by upward movement of the rail to compress the plate and base against the tie to restrain relative movements of the tie and rubber base, said lever means comprising a headed element projected through said perforations engaging the tie, and maintained spaced from engagement with the metal plate by encircling rubber, and a lever projected underneath the element head adapted to engage a rail base flange at one end and the metal plate at the other end.

2,076,020
TRAILER LIGHT
Edwin J. Fraser, Chicago, Ill., assignor to Keeshin Motor Express Co. Inc., Chicago, Ill., a corporation of Illinois
Application July 18, 1936, Serial No. 91,286
2 Claims. (Cl. 240—7.1)



1. A trailer light of the class described comprising a bracket, a socket mounted therein, said socket being connected to a source of current and said bracket being mounted under the floor boards and adjacent the edge of a trailer body, the exposed face end of said socket being arranged to lie in a plane substantially flush with the lower exposed edge of the side frame member of the trailer body, a pair of opposed clips mounted on said bracket, and a detachable lighting unit comprising a casing having a centrally disposed protruding base integral with said casing, arranged to be inserted in said socket, and a pair of opposed wings secured to said casing and arranged to interlockingly engage said clips when said lighting unit is inserted in said socket and turned angularly.

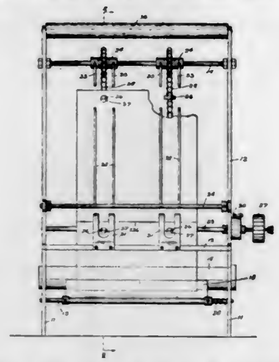
2,076,021
LIFEBOAT DAVIT
Charles H. Fuller, Portland, Oreg.
Application June 29, 1935, Serial No. 29,077
1 Claim. (Cl. 9—22)



A derrick having in combination a pair of spaced upright masts, a shaft extending through the feet of both of said masts, the outer end of said shaft having boom actuating drums secured thereon, a boom between the outer side of each mast and its adjacent drum, a continuous cable passing around both of said boom actuating drums in opposite directions, a boom operating cable winding mechanism for handling said cable whereby both of said booms may be handled in unison, each of said masts having a pivotally mounted block attached near its outer end, each of said blocks having a sheave therein which is tangential to the pivot of the block, boat handling lines adapted to be attached to opposite ends of a lifeboat, each of said lines passing around the sheave in the block, thence downwardly between a pair of sheaves mounted on the adjacent mast head, thence around the fair leading sheave to a cable winding mechanism.

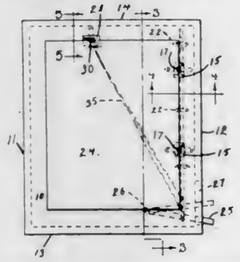
2,076,022
RECORD STRIP ALIGNER FOR MANIFOLDING MACHINES
Louis Fred. Hagemann, Niagara Falls, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc., a corporation of Delaware
Application December 21, 1929, Serial No. 415,637
Renewed September 14, 1936
12 Claims. (Cl. 197—133)

1. In a typewriting machine, in combination, a platen having a curved supporting surface against which the type bars strike, and being positioned for supporting a plurality of traveler record strips in superposed manifolding relation causing the superposed strips to travel in a curved path, said record strips having therein a longitudinal series of controlling apertures, a feeding device including movably mounted feed pins entering the strip apertures beyond the platen for drawing and feeding said strips over said curved supporting surface, a flexible endless carrier on which said pins are mounted in serial arrangement so as to enter successive strip apertures as the strips are advanced, driving and supporting wheels for said flexible carrier, providing a feed reach of the carrier between the supporting



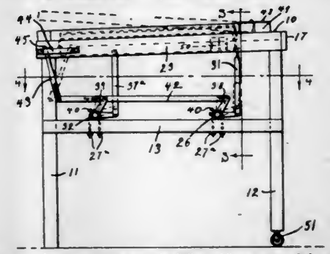
wheels, said feed pins being longitudinally spaced apart a distance less than the length of the feed reach of said flexible carrier so that a plurality of said pins may simultaneously engage the control apertures, a strip engaging guide positioned adjacent to the forward part of the path of pin travel and inclining and diverging forwardly with reference to said path so as to disengage the strips from the pins, and actuating means for said driving wheels.

2,076,023
SIGN PROCESS PLATFORM
Jesse N. Halsted, Omaha, Nebr.
Application January 28, 1935, Serial No. 3,871
4 Claims. (Cl. 101—407)



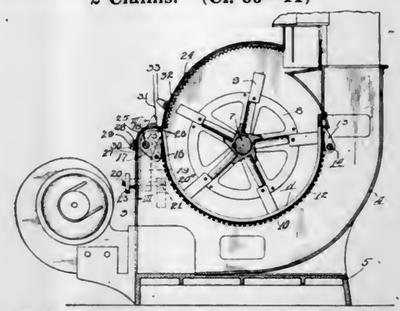
1. A sign process platform comprising a top having a plurality of aligned openings, a clamp member operatively received in each opening, each of said clamp members being provided with a flange on one end and adapted to engage the edge of a card and clamp same against the upper surface of the top, a spring for each clamp member adapted to maintain same in an open position, and a slidable bar having a spring-like portion for each clamp member and of greater tension than the springs for the said clamp members, said spring-like portions of the bar being adapted to operatively engage the respective clamps and yieldingly move same into clamping position upon operation of said bar.

2,076,024
SIGN PROCESS TABLE
Jesse N. Halsted, Omaha, Nebr.
Application January 28, 1935, Serial No. 3,872
3 Claims. (Cl. 101—126)



1. In a sign process table, the combination, a top having slots adjacent two sides thereof, said slots being at substantially right angles to each other and meeting at their adjacent ends, a continuous angular clamp member received in said slots, said clamp member having a continuous inturned flange, said clamp member being slidable in the slot with the flange normally spaced above the upper surface above said top, and means for bringing the flange into clamping engagement with the top of the table.

2,076,025
RELEASABLE SCREEN ATTACHMENT FOR HAMMER MILLS
Albert J. Hazle, Jr., Chicago, Ill., assignor to B. F. Gump Co., Chicago, Ill., a corporation of Illinois
Application January 14, 1935, Serial No. 1,616
2 Claims. (Cl. 83—11)

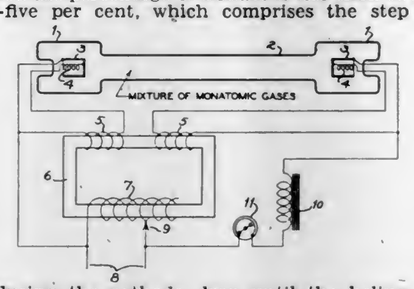


1. In a machine of the class described, a casing, a pair of arcuate bars attached to said casing in parallel relation, a screen fitting against said bars, a pair of chains, means for movably anchoring said chains adjacent the rear ends of said bars, a shaft adjacent the forward ends of said bars, connections between said shaft and chains, an arm upon said shaft having a bifurcation, a rod pivotally connected to said casing and extending through said bifurcation and a nut threaded on said rod and engaging said arm for rocking said shaft.

2,076,026
PRIMARY LIGHT SOURCE
Melville Manuel Hirsch, San Francisco, Calif.
Application November 8, 1935, Serial No. 48,880
In Australia March 9, 1934
9 Claims. (Cl. 176—124)

1. The method of simultaneously ionizing both helium and argon in a gaseous conduction lamp

when the percentage of helium is less than twenty-five per cent, which comprises the step of



reducing the cathode drop until the helium is ionized and the positive column resistance increases.

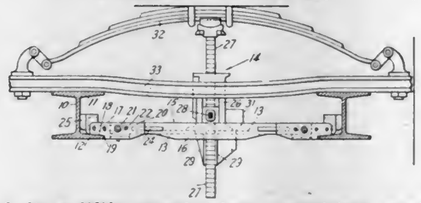
2,076,027

LIFTING MECHANISM

Ion Von Kert Hott, Dayton, Ohio, assignor to The Joyce-Cridland Company, Dayton, Ohio, a corporation of Ohio

Original application April 22, 1935, Serial No. 17,667. Divided and this application August 29, 1935, Serial No. 38,434

8 Claims. (Cl. 254—89)



1. In a lifting mechanism comprising parallel rails each having a vertical web and a flange extending inwardly from the lower portion of said web, a cradle having means to support a load engaging device and having at its ends parts of substantial width adapted to have supporting engagement with the flanges of the respective rails, said cradle being of such length with relation to the width of said parts that it may be inserted between the webs of said rails in a position lengthwise thereof and then moved about a vertical axis to cause said end parts to overhang the flanges of the respective rails, said cradle also having parts arranged to engage said rails and hold said cradle against movement about said vertical axis while said end parts are in engagement with said flanges.

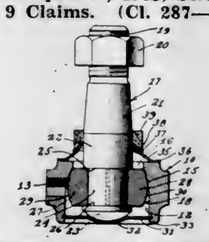
2,076,028

SELF-ADJUSTING BALL JOINT

George H. Hufferd, Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio

Application April 11, 1935, Serial No. 15,798

9 Claims. (Cl. 287—90)



1. A joint comprising a stud having a cylindrical bearing portion, a pair of complementary semi-annular collars disposed around said bearing portion in spaced relation to each other permitting rotation of the stud therein, a housing having an inner bearing surface cooperating with the collars to permit a universal tilting of the stud relative to the housing and means urging the stud into constant bearing engagement with the collars.

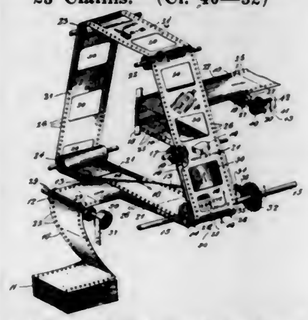
2,076,029

NEWS AND ADVERTISEMENT EXHIBITING

Arthur A. Johnson, Bridgeport, Conn.

Application July 27, 1935, Serial No. 33,449

23 Claims. (Cl. 40—52)



1. In a machine of the character described, the combination of an endless display band for holding for exhibition, one at a time, a plurality of advertisements; a writing strip; type mechanism; a platen over which said writing strip is advanced to receive impressions from said type mechanism to be exhibited, said display band being led around the platen and being superimposed on said writing strip at the platen and having windows through which the type mechanism may reach and strike the writing strip carried by the platen to print news items thereon.

2,076,030

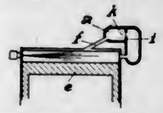
INJECTION COMBUSTION POWER MACHINE WITH JET ATOMIZATION AND AUXILIARY CHAMBER

Wilhelm Kahlenberger, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany, a corporation of Germany

Application July 30, 1930, Serial No. 471,731

In Germany August 5, 1929

4 Claims. (Cl. 123—32)



3. In an internal combustion engine operating with fuel injection, a cylinder, a piston operating therein, a combustion space within the cylinder and above said piston, a passage opening into said combustion space, a fuel injection nozzle positioned within said passage and arranged to inject the fuel jet into said combustion space above the piston and in a direction transverse to said piston, one or more air storage chambers having air-flow connection with said combustion space and otherwise unconnected to said combustion space, each such air-flow connection comprising a restricted passage having its axis out of direct alinement with the axis of the fuel jet, whereby the air streaming back from each air storage chamber into the combustion space during combustion blows therefrom angularly against the fuel stream and not directly toward the fuel nozzle outlet.

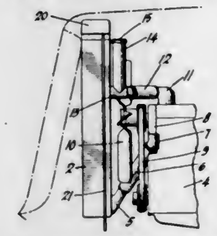
2,076,031

RADIATOR

Forest H. Kane and Wilfred R. Milner, Pontiac, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 19, 1935, Serial No. 2,468

3 Claims. (Cl. 123—174)



2. An engine cooling liquid circulating system including a heat radiating core having a series of cross flow tubes, inlet and outlet headers extending along opposite sides of the core with both headers in open communication with all of said tubes, an expansion tank overlying the top of the core and in open communication with the outlet header only, means near the top of the expansion tank to vent the system, a filling and inspection spout associated with one of said headers and located below the position of the vent opening in the upper part of the expansion tank and a sealing closure for said spout.

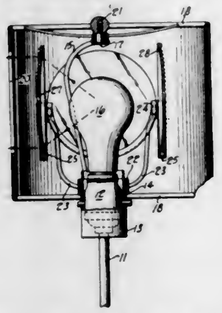
2,076,032

LAMP

Clarence C. Keller, Astoria, N. Y., and Earl L. Canfield, Hillside, N. J., assignors to Holophane Company, Inc., New York, N. Y., a corporation of Delaware

Application April 19, 1935, Serial No. 17,176

8 Claims. (Cl. 240—1)



1. A lamp comprising a lamp bulb, an annular shade disposed about the lamp bulb, the shade having a window in the side wall thereof, a light concentrating lens carrying frame movably supported inside the shade, and a lens carried by the frame and movable to be behind the shade window whereby a lens produced beam of light may be projected through the window when the lens and window are in alignment with the source and the beam may be interrupted when the lens is moved out of said alignment.

2,076,033

PHTHALIC ANHYDRIDE RECOVERY

Walter H. Kniskern, Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York

No Drawing. Application December 31, 1934, Serial No. 759,970

3 Claims. (Cl. 260—123)

1. In the recovery of phthalic anhydride from a hot reaction gas mixture of the type formed by the catalytic vapor phase oxidation of a polynuclear aromatic hydrocarbon, the steps which comprise passing a stream of the hot reaction gases through a condenser and cooling them therein to separate solid phthalic anhydride therefrom, continuing to pass said gas stream through the condenser as aforesaid until a substantial quantity of solid phthalic anhydride is condensed therein, thereafter passing a stream of the hot reaction gases while yet at a temperature substantially above the melting point of phthalic anhydride through said condenser so as to liquefy solid phthalic anhydride contained therein, withdrawing the resultant liquid phthalic anhydride from the condenser, and withdrawing the partly cooled gases therefrom and further cooling them to separate phthalic anhydride.

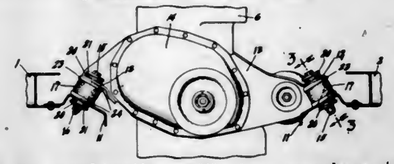
2,076,034

ENGINE MOUNTING

George W. Lampman, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 29, 1934, Serial No. 717,888

6 Claims. (Cl. 248—358)



4. In combination with two members to be connected, a resilient joint therebetween, including an attachment element passing loosely through enlarged openings in the respective members, a rubber block surrounding said element with portions thereof beyond said openings extending between and bearing on the adjacent faces of the members, a relatively narrow internal rib projecting inwardly into close fitting engagement with said attachment element intermediate the ends of the block and affording recesses in opposite ends of the block and rubber collars carried by said attachment element in engagement with the remote faces of said members and projected through said enlarged openings and into said recesses into interlocking relation with the ends of said block beyond the intermediate rib.

2,076,035

PAPER HOLDER FOR PENCILS

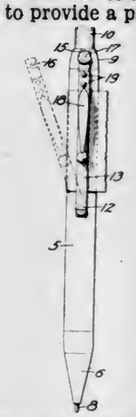
Edmond A. Lar Rieu, Jr., Oakland, Calif.

Application August 6, 1935, Serial No. 34,925

3 Claims. (Cl. 242—55.5)

1. A paper holder comprising a tubular body, into which may be inserted a coiled strip of material, having a slot through the wall thereof opening at one end of said body and through which an end of said coiled strip of material may be drawn, a plug screwed into the end of said body and having a portion thereof closing said slot at its open end, and a bar secured at one end to said

body and at the other end to said plug and spaced from said body to provide a passage between said



bar and the periphery of said body through which the end of said strip of material drawn through said slot may be passed.

2,076,036

FOOD PRODUCT AND PROCESS OF PREPARATION

Albert S. Leo, Ontario, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California

No Drawing. Application October 17, 1932, Serial No. 638,255

9 Claims. (Cl. 99—132)

3. A composition of matter for jelly making including a dry mixture of pectin, sugar, acid, and a non-effervescent buffer salt comprising a salt of a strong base and a weak acid, the amount of said buffer salt being so proportioned that a given volume of the mixture is capable of dissolving in a substantially equal volume of water or fruit juice, and all of said ingredients being present in proportion such that upon addition of said base mixture to a substantially equal volume of water or fruit juice, heating to boiling and allowing to set, a jelly will be formed.

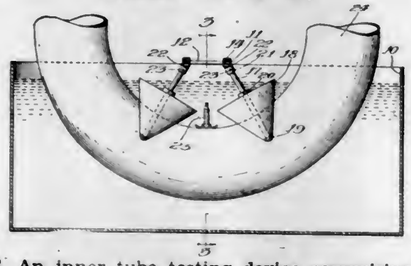
2,076,037

INNER TUBE TESTING DEVICE

Alex E. Lookholder, La Grange, Ill.

Application September 5, 1936, Serial No. 99,515

7 Claims. (Cl. 73—51)



3. An inner tube testing device comprising a tank adapted to receive part of an inner tube when in vertical position, a support extending horizontally and transversely of the tank and through the central opening of the tube when the tube is being tested, a pair of shafts depending from the support, said shafts being disposed approximately radially of the axis of the tube to be tested, and a roller loosely mounted on each shaft, said rollers engaging opposite sides of a tube to be tested and holding the engaged part of the tube submerged when water is placed in the tank.

2,076,038

SPARK PLUG

Leo J. McKone, Detroit, Mich., assignor to Leo Corporation, Chicago, Ill., a corporation of Illinois

Application February 18, 1935, Serial No. 6,984

2 Claims. (Cl. 123—169)



1. A spark plug shell of non-ferrous alloy having high heat conductive characteristics and having a part for removably receiving a core and surrounding and enclosing said core, said part having ribs on its exterior extending generally in the direction of the axis of the body and curved in length to provide axially extending and curved paths for the flow of convection air currents, said paths being open at both ends to air current flow.

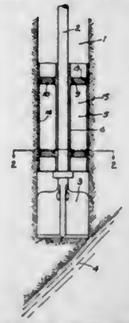
2,076,039

DRILL BIT GUIDE

Russel Miller, Ioco, British Columbia, Canada

Application June 22, 1936, Serial No. 86,521

5 Claims. (Cl. 255—28)



1. A guide for rotary drill bits comprising a sleeve adapted to be rotatably mounted upon a drill rod adjacent the drill bit, a casing surrounding the sleeve and adapted to substantially contact the sides of the hole drilled by the bit, resilient material normally supporting the casing concentrically to the sleeve, and means other than the supporting means operable in response to side thrust upon the drill bit for imparting a thrust to the sleeve counter to the thrust upon the drill bit.

2,076,040

HAIR DRYING APPARATUS

Victor C. Norquist, Kansas City, Mo., assignor to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri

Application December 1, 1932, Serial No. 645,249

4 Claims. (Cl. 34—26)

1. A hair drying assembly comprising an air source, a duct communicating with said air source,

an air distributing means, a tube telescoped within said duct and communicating with the air distributing means, and an occluding member against which said tube is adapted to seat, the



construction being such that the seating of the tube stops the air supply thereto and the lifting of the tube from the occluding member permits the flow of air from the air source to the distributing member.

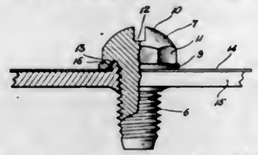
2,076,041

SCREW

Ernest Payne, Chicago, Ill., assignor to Central Screw Company, Chicago, Ill., a corporation of Illinois

Application November 29, 1935, Serial No. 52,152

3 Claims. (Cl. 85—41)



1. A self-tapping screw adapted to secure two pieces of material together and comprising a solid head and a shank joined together and capable of extruding material in forming female threads in the material to be held by the screw, said head having a bottom face and an annular recess therein at the juncture of the head and shank to receive the extruded material and enable the bottom face of the head to firmly engage the surface of the material to be held by the screw, said head being adapted to be embraced by the socket of a driving tool, and a peripheral shoulder on the head extending outwardly therefrom at the bottom face and engageable with the free edge of the socket of the driving tool to prevent the screw from becoming lost in the socket of the driving tool, to insure straight driving of the screw by a driving tool and to increase the seating surface of the bottom face in engagement with the surface of the material to be held by the screw and to space the end of the driving tool from the surface of the material.

2,076,042

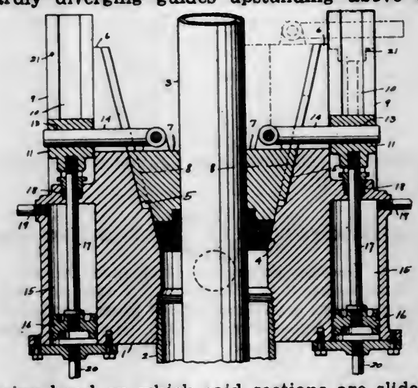
PRESSURE FLUID OPERABLE BLOW-OUT PREVENTER

Arthur J. Penick and Kirby T. Penick, Houston, Tex.

Application February 25, 1935, Serial No. 8,039

9 Claims. (Cl. 166—15)

1. The combination with a casing head having a seat, of a pressure head shaped to fit the seat and to surround an inner pipe in the casing head, said pressure head being formed of sections, upwardly diverging guides upstanding above the



casing head on which said sections are slidably mounted.

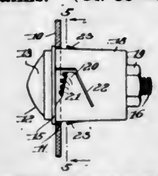
2,076,043

LIGHT REFLECTING MEANS

Charles Daniel Ryder, Covington, Ky., assignor to The National Colortype Company, Bellevue, Ky., a corporation of Kentucky

Application March 12, 1935, Serial No. 10,682

23 Claims. (Cl. 88—82)



1. In light reflecting means, a supporting member having an aperture therein, a light reflecting device, said device having a resilient securing part thereon provided with a cam-like portion, said device and resilient securing part being movable as a unit within said aperture to a predetermined position during which movement said cam-like portion will be engaged by the supporting member and depressed thereby within said opening, said resilient part upon movement of the light reflecting device to said predetermined position springing outwardly and having a wedging action on the supporting member, and means on said light reflecting device for engaging the supporting member to check the movement of the light reflecting device at said predetermined position, said means being urged in engagement with the supporting member by the wedging action of said resilient part.

2,076,044

LIGHT REFLECTING MEANS

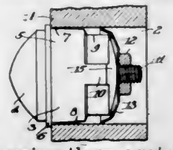
Charles Daniel Ryder, Covington, Ky., assignor to The National Colortype Company, Bellevue, Ky., a corporation of Kentucky

Application May 7, 1935, Serial No. 20,133

17 Claims. (Cl. 88—82)

2. In light reflecting means, the combination with a support having an aperture therein, of a light reflecting unit within the aperture with its rear end terminating therein, a retaining member on said unit, said retaining member being resilient and having a curved outer edge in engagement with the inner wall of the aperture circumferentially and flexed inwardly thereby when the unit is inserted within the aperture and engaging said inner wall between the ends of the

aperture to retain the unit within the aperture, and interlocking means on the unit and retaining



member for securing them against relative turning movement.

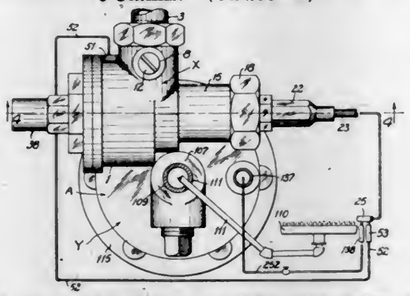
2,076,045

THERMOSTATICALLY CONTROLLED GAS VALVE

August George Schaefer, Attleboro, Mass., assignor to Spencer Thermostat Company, Attleboro, Mass., a corporation of Massachusetts

Application November 20, 1935, Serial No. 50,660

6 Claims. (Cl. 236—1)



6. In combination, a safety pilot valve and diaphragm-type regulator valve, said combination having a unitary outlet passage, said unitary outlet passage connecting with a back-seating valve in said pilot valve and with a bleed line forming part of said regulator valve.

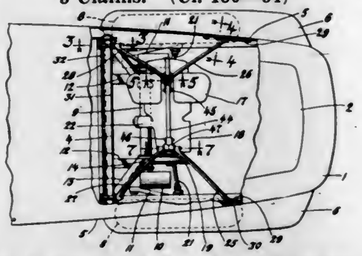
2,076,046

ENGINE MOUNTING

Eric Olle Schjolin, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 24, 1936, Serial No. 65,219

5 Claims. (Cl. 180—54)



1. In a motor vehicle, the combination with a power plant embodying as a unitary assembly, an engine, change speed gearing and a clutch arranged in axial alinement and a differential below the axially alined parts with an axis in spaced parallelism to the axis of said parts and a body having a compartment to house said power plant, of a mounting for said power plant including a supporting member rigid with the body within said compartment, a bearing associated with the differential and secured to said supporting member to transmit thereto the entire gravity load of the power plant, vibration insulating means associated with said bearing, a pair of brace rods connected with the body at their outer ends and extending convergently inwardly from the body and connected at their inner ends with the top of the power plant near opposite ends thereof, and vibration insulating means associated with the several rods.

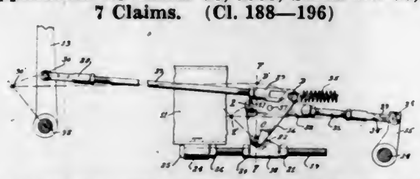
2,076,047

BRAKE LEVERAGE STRUCTURE

William C. Scott, Chicago, Ill.

Application November 18, 1935, Serial No. 50,380

7 Claims. (Cl. 188—196)



1. The combination with the brake pedal and the brake rod structure in an automotive vehicle, of a V-lever element fulcrumed at its point and with one of its lever legs longer than the other, said legs being relatively immovable and at opposite sides of an intermediate line passing through the lever fulcrum point, the longer lever leg being on the brake rod structure side of the intermediate line and the shorter lever leg being on the brake pedal side of the intermediate line, a connecting link connecting the brake pedal with the end of the longer lever leg and another link connecting the end of the shorter lever leg with the brake rod structure whereby the force applied to the brake pedal lever is multiplied for application to the brake rod structure, the points of connection of said links with the lever leg ends being fixed on said lever element relative to its fulcrum point.

2,076,048

COLLAPSIBLE TUBE CARTON

John J. Seelman, Milwaukee, Wis.

Application October 2, 1936, Serial No. 103,638

10 Claims. (Cl. 221—60)



1. A collapsible tube carton comprising a pair of walls of resilient material for embracing a collapsible tube between them, said walls being connected at one end and having transversely arched bendable portions to substantially enclose the tube, said transversely arched portions being depressible to a flattened condition to express the contents of the tube, and means for holding the side edges of said transversely arched portions in adjacent relation.

2,076,049

SHEET FILTER

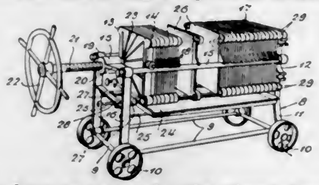
Georg Heinrich Seitz, Bad Kreuznach, Germany

Application November 14, 1936, Serial No. 110,801

In Germany March 22, 1932

1 Claim. (Cl. 210—188)

A filter, comprising in combination a plurality of filter frames situated side by side, each filter frame comprising two projections situated on opposite sides of the frame and at least two sleeves, a plurality of filter sheets, each filter sheet being situated between two adjacent filter frames, a main frame having at least two bars extending transversely to said filter frames on opposite sides thereof, and a rod extending directly underneath and transversely to said filter frames, said rod supporting the filter sheets interposed between the filter frames; said projections being slidably mounted upon said bars, whereby said filter frames are carried by said bars, said sleeves being adapted to contact each



other to form passages for the circulating liquid, and means for pressing the filter frames one against the other, whereby the filter sheets are clamped by the filter frames.

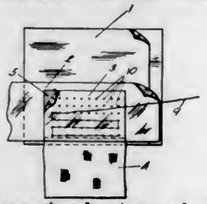
2,076,050

HEATING PAD

William G. Shelton, St. Louis, Mo.; Richard T. Shelton, Lester E. Sherwood, and Mississippi Valley Trust Company, St. Louis, Mo., executors of said William G. Shelton, deceased, assignors to W. G. Shelton Company, St. Louis, Mo., a corporation of Missouri

Application June 30, 1932, Serial No. 620,276

9 Claims. (Cl. 132—36.2)



5. In a hair waving heater pad, an outer layer of moisture retaining material, a non-porous envelope containing a substance capable of reacting exothermically with a liquid, a layer of absorbent material for distributing the liquid, and a thread chain-stitched through the wall of said envelope adjacent said absorbent layer and having a loose end, said thread and envelope maintaining said substance confined and separate from said absorbent layer during storage, and said loose end facilitating withdrawal of said thread when the pad is ready for use to expose said substance to said absorbent layer.

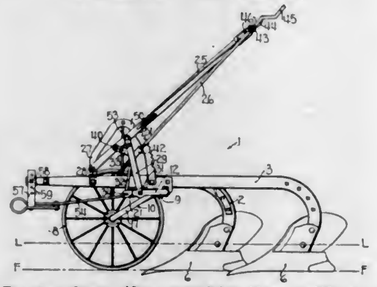
2,076,051

PLOW

Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application July 6, 1936, Serial No. 89,064

13 Claims. (Cl. 97—103)



1. In a plow, the combination with a plow body carrying frame, of a pair of axle arms connected to said frame for swinging movement, a ground wheel on each axle arm, means for adjusting the depth of plowing comprising an adjusting lever, and link means for connecting said lever to each of said axle arms, a level adjusting rod, means for supporting one end of said rod on said lever, and means for engaging the other end of said rod with said link means.

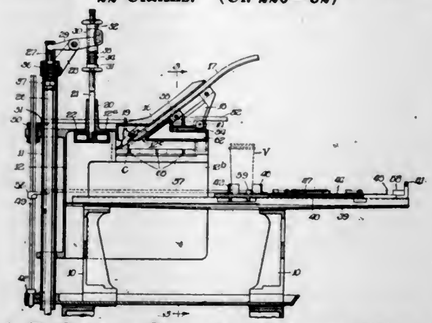
2,076,052

PACKAGING

George P. White, Chicago, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware

Application August 27, 1934, Serial No. 741,583

22 Claims. (Cl. 226—82)



1. Package sealing apparatus comprising in combination a feeding device operable to move a packing vessel first in a forward direction and then in a reverse direction, a cap-applying device arranged to feed and present closure caps successively in position for application to a succession of vessels in the course of their forward movement by the feeding device, and a sealing device operable to seal the applied cap on each of the successive vessels at the end of its forward movement and before the start of its reverse movement.

2,076,053

TREATMENT OF CALVES

Beverly E. Williams and Leon L. Cadwell, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

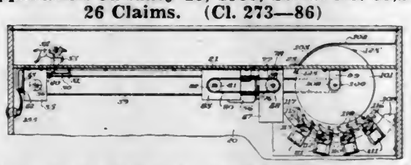
Application April 17, 1936, Serial No. 74,870

4 Claims. (Cl. 99—157)



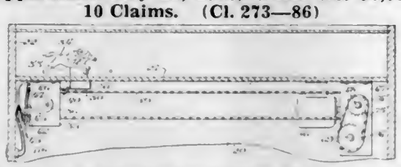
1. The method of treating skinned calf carcasses which comprises covering the skinned surface with brine moistened cloth and thereafter enclosing the clothed carcass in a paper bag.

2,076,054
RACE GAME APPARATUS
Bradlee W. Williams and Homer S. Williams, Chicago, Ill., assignors to Bally Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application January 15, 1936, Serial No. 59,279
26 Claims. (Cl. 273—86)



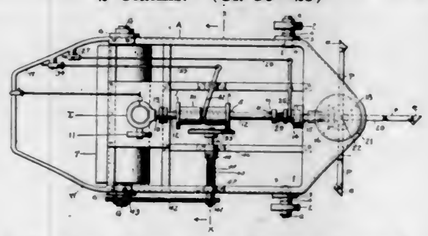
1. In a race game, an elongated horizontal table having a series of spaced longitudinal race ways, objects movable in said ways from a starting position at one end of the table to a finish position adjacent the other end thereof, a cross shaft journaled on the under side of the table at the starting end thereof, said shaft carrying a series of spaced idler sprocket wheels, a cross drive shaft journaled on the under side of the table at the other end thereof, said latter shaft loosely carrying a series of spaced drive sprocket wheels respectively alined in pairs with the wheels on the first shaft, endless chains respectively wrapped around said pairs of wheels, carriers mounting the objects and fastened to said chains for moving the objects in the ways, driver disks turnable with the drive shaft and respectively positioned adjacent each drive sprocket, friction means interposed between each drive sprocket wheel and its driver disk, yieldable means engaging each friction means and drive sprocket wheel with a driver disk, a motor including connections to drive the drive shaft to move the chains, an electromagnetic device operatively associated with each drive sprocket wheel including a movable armature, a lock member movably mounted adjacent each armature and normally held disengaged from a drive sprocket wheel, means for energizing the electromagnetic devices to cause release of the members to lock the drive sprocket wheels and stop drive of the associated chains, and means operatively associated with the driver disks to move the lock members to sprocket releasing positions whereby the released sprocket wheels resume driving.

2,076,055
RACE GAME APPARATUS
Bradlee W. Williams and Homer S. Williams, Chicago, Ill., assignors to Bally Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application July 15, 1936, Serial No. 90,743
10 Claims. (Cl. 273—86)



1. In a race game having an elongated frame carrying a transverse shaft at each end thereof, one shaft carrying a plurality of idler sprocket wheels and the other shaft carrying a like number of loose drive sprocket wheels, means for driving the latter shaft and means on said latter shaft for frictionally turning the drive sprocket wheels independently therewith, race object moving chains enveloping the idler and drive sprocket wheels, movably mounted brake members provided respectively for engaging the drive sprockets to hold them against rotation, movably mounted latch means provided respectively for holding the brake members in inoperative positions, the combination with said latch means of rotary trip devices respectively positioned adjacent the latch means for causing release of the latch means and movement of the brake members to drive sprocket engaging positions, and respective means operatively associated with each drive sprocket wheel to cause disengagement of the brake members and their return to latched inoperative positions.

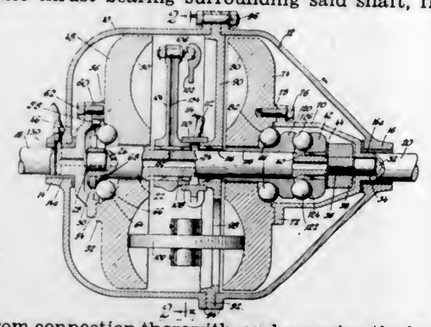
2,076,056
POWER MOWER
Albert F. Woodford, St. Petersburg, Fla.
Application November 28, 1934, Serial No. 755,087
2 Claims. (Cl. 56—25)



1. In a power mower, a frame supported on wheels and a handle therefor, a traction member on said frame at the rear thereof, in combination with a longitudinal driving shaft mounted on said frame, power means for said shaft, friction members slidable on said shaft and rotatable therewith, a yoke engaging said friction members, a horizontal rotatable shaft at right angles to said driving shaft having a friction disk mounted upon one end thereof, control rods extending from said friction members to the handle for engaging and disengaging said members with said friction disk, a sprocket wheel mounted on the outer end of said horizontal shaft and rotatable therewith, a chain extending from said sprocket wheel to a second sprocket wheel mounted on one end of the traction member at the rear of said frame, in further combination with an independent means for controlling the transmission of power through said longitudinal driving shaft, a clutch mounted upon said shaft and controlled by a yoke engaging said clutch, control rods attached to said yoke extending therefrom to said frame handle, a vertical shaft positioned adjacent the front end of said frame, bevel gears at the forward end of the longitudinal driving shaft and on the upper end of said vertical shaft for providing a driving contact therebetween, a cutting member having a series of cutting blades mounted on the lower end of said vertical shaft, said cutting member to be rotated with said vertical shaft parallel to and adjacent to the ground.

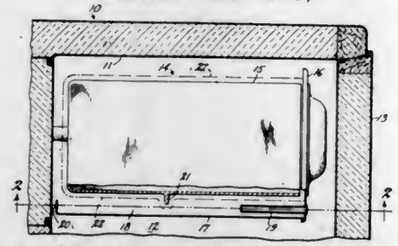
2,076,057
RACE AND ROLLER TRANSMISSION MECHANISM
John O. Almen, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 18, 1936, Serial No. 85,832
10 Claims. (Cl. 74—208)

1. In a race and roller power transmission mechanism, a non-power-transmitting shaft, coaxial races rotatable about said shaft, intermediate rollers, supporting means for the rollers and means for connecting said roller supporting means to the shaft to receive the reaction of the tangential forces acting upon the rollers, a thrust bearing axially fixed on the shaft and engaging the back of one race, a non-rotatable axially movable thrust bearing surrounding said shaft, free



from connection therewith, and engaging the back of the other race, a torque loading abutment fixed to said shaft against relative rotative movement and against axial movement thereon away from said axially movable thrust bearing, and means for converting angular movement of said shaft and abutment about their axes into an axial movement of said thrust bearing.

2,076,058
REFRIGERATION
Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 3, 1936, Serial No. 88,718
6 Claims. (Cl. 62—1)



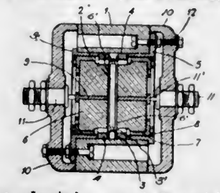
1. A refrigerator including a cooling element, and a member arranged to substantially conceal said cooling element, said member having an opening providing a line of vision sufficiently close to a part of said cooling element, so that a white surface is seen through said opening when a predetermined layer of frost has accumulated on said cooling element.

2,076,059
AIRCRAFT WING STRUCTURE
Stanley Asbury, St. Paul, Minn.
Application October 10, 1936, Serial No. 105,010
5 Claims. (Cl. 244—43)



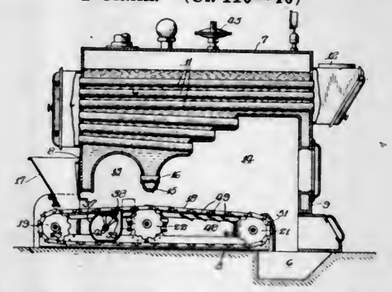
1. An airplane comprising a fuselage and a transverse wing rigidly fixed thereto and projecting equi-distant from both sides of the fuselage, a pair of elongated wing extension members telescopically mounted within the fixed wing one to each side of the fuselage, means operable from within the fuselage to move said wing extensions simultaneously into or out of the ends of the fixed wing, said fixed wing of longitudinal tubular construction and including a series of spaced rib frames conforming in contour to the cross section of the wing, fixed lateral bracing in said wing and transverse upright bracing means mounted within and between the upper and lower rib frame parts, means on the inner end of each extension wing for displacing said main wing braces during inward movement of the extension wing, said means contracting and seating said brace means of the main wing in bracing position successively in each stationary wing rib when the extension wing is moved outwardly.

2,076,060
PIEZOELECTRIC CRYSTAL HOLDER
Rudolf Bechmann and Wilhelm Schneider, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 12, 1935, Serial No. 44,674
In Germany November 6, 1934
9 Claims. (Cl. 171—327)



1. A piezo-electric crystal holder comprising an insulating casing, a crystal within said casing, a supporting member for said crystal, two insulating members located at each side of said crystal, said insulating members having their surfaces that face said crystal coated with metal to act as an electrode for said crystal.

2,076,061
FURNACE
Clinton E. Beery, Chicago, Ill.
Application April 8, 1935, Serial No. 15,240
1 Claim. (Cl. 110—40)



The combination of a stoker including a chain grate for supporting and moving a bed of fuel, an ignition chamber located above the grate near the front end of the grate, a combustion chamber located above the grate rearwardly of the ignition chamber, a boiler disposed over both of said chambers in position to receive heat directly therefrom, said ignition chamber being wholly

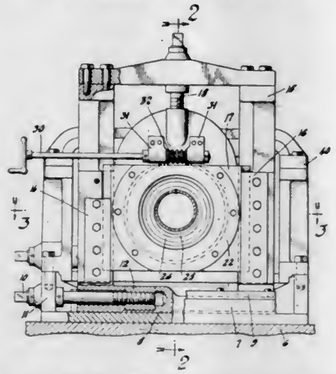
closed at the top and being in open communication with said combustion chamber immediately above the fuel bed so as to permit a direct flow of combustion products from the ignition chamber into the lower portion of the combustion chamber, means for delivering a forced draft through said fuel bed into the ignition chamber whereby ignition of said fuel is initiated and a pressure is created in said ignition chamber, and means for supplying air at atmospheric pressure to the combustion chamber whereby a slow combustion of the pre-ignited fuel and the preheated unconsumed gases flowing under pressure directly from the ignition chamber into the combustion chamber is effected in said combustion chamber.

2,076,062

BURR REMOVING APPARATUS

Richard O. Berg and Simon Berg, Detroit, Mich., assignors to Michigan Steel Tube Products Company, Detroit, Mich., a corporation of Michigan

Application May 14, 1936, Serial No. 79,700
9 Claims. (Cl. 29—33)



1. An apparatus for trimming the burr from butt welded tube comprising, an apertured supporting member through which a tube is to be moved lengthwise, a cutting instrument in the form of a ring, means for removably journaling the same in the apertured support, the internal diameter of the cutting instrument being slightly greater than the external diameter of the tube, said support arranged to hold the ring eccentrically of the tube whereby one portion of its circumferential cutting edge is in cutting relationship with the burr, and substantially all the remaining portions are free of the tube and means operable at will for holding the ring against rotation and for rotatably adjusting the ring so the successive sections of the ring may be brought into cutting position as the successive sections become dull from use.

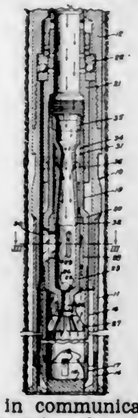
2,076,063

CORE BARREL

Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application November 23, 1935, Serial No. 51,281
4 Claims. (Cl. 255—72)

1. A rotary core barrel including a drill barrel adapted to be connected to the lower end of a drill stem in a manner where circulating fluid pumped downwardly through the drill stem will enter the upper end of the drill barrel, a core tube mounted within the drill barrel, a central nozzle member arranged within the drill barrel with its upper end in the line of flow of fluid from the drill stem and its lower end in communication with the space between the drill barrel and the core tube, said nozzle having



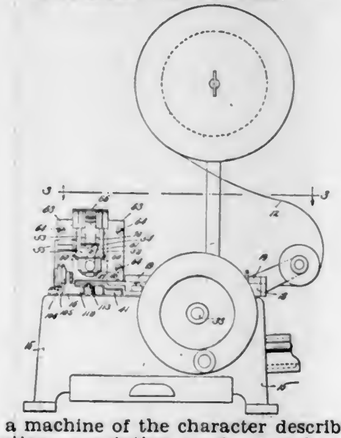
orifices therein in communication with the interior of the core tube whereby the flow of fluid through said nozzle will create a suction through said orifices tending to evacuate the core tube.

2,076,064

PRINTING MACHINE

Johan A. Carlson, Ashland, Mass., assignor to Lucy T. Pratt, Ashland, Mass.

Application July 5, 1935, Serial No. 29,876
12 Claims. (Cl. 101—318)



1. In a machine of the character described, in combination, a printing mechanism having a printing member, a reciprocating carrier for said printing member, and an inking device for said printing member movable into and out of the path of movement of said reciprocating printing member and also movable toward and from said reciprocating printing member when in the path of the latter to effect inking of said printing member.

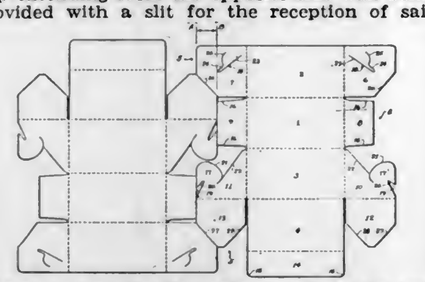
2,076,065

CARTON

William Kenneth Clark, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application May 27, 1935, Serial No. 23,543
3 Claims. (Cl. 229—36)

2. A carton blank comprising bottom and side walls, each provided with a flap extending therefrom, the lower outer corner of the flap extending from one side wall being cut away to form a tongue portion on the outer edge thereof, the flap extending from the opposite side wall being provided with a slit for the reception of said



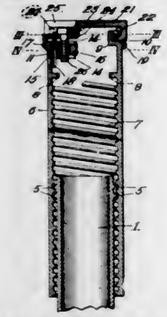
tongue portion, the flap extending from the bottom being of a shorter extension in relation to adjacent flaps, the portion cut from said tongue flap and the shortened extension of said bottom flap permitting flaps of adjacent blanks to be cut from a continuous sheet in interfitting relationship.

2,076,066

SERVICE BOX

George H. Clay, Kansas City, Mo.

Application August 3, 1936, Serial No. 94,041
5 Claims. (Cl. 137—13)



5. A service box including a tubular member having an internal boss provided with an inwardly-opening socket having an opening through its top wall, a nut in the socket with its bore registering with the opening in the socket wall, a removable headed locking pin projecting down through the top wall of the socket in position to engage the nut and prevent its accidental dislodgement, a cap closing the top of said tubular member and having a flange to space the cap from the head of the locking pin, and a clamping bolt extending through the cap and opening in the socket wall and engaged with said nut.

2,076,067

PROCESS OF MAKING BERYLLIUM

Hugh S. Cooper, Cleveland Heights, Ohio, assignor to Cooper Products, Inc., Cleveland, Ohio, a corporation of Ohio

No Drawing. Application May 25, 1935, Serial No. 23,519
5 Claims. (Cl. 75—84)

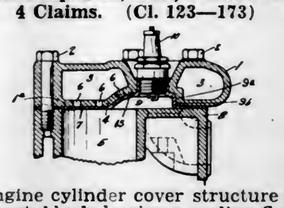
1. The process of making substantially pure beryllium metal which comprises making a fused mixture of sodium chloride, potassium chloride and beryllium chloride, and introducing metallic magnesium into this mixture.

2,076,068

ENGINE CYLINDER COVER

Charles W. Dake, Grand Haven, Mich.

Application April 13, 1935, Serial No. 16,110
4 Claims. (Cl. 123—173)



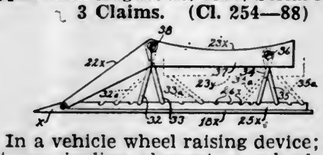
1. An engine cylinder cover structure comprising a cast metal body having a cooling fluid chamber therein, a wall of said chamber having a pocket therein and providing a cylinder closing face, said wall having a plurality of holes extending therethrough and a heat transfer plate extending substantially throughout the entire area of said face and into said pocket and positioned against said face.

2,076,069

VEHICLE WHEEL RAISING DEVICE

Melvin L. Davis, Wichita, Kans.

Application August 26, 1935, Serial No. 37,810
3 Claims. (Cl. 254—88)



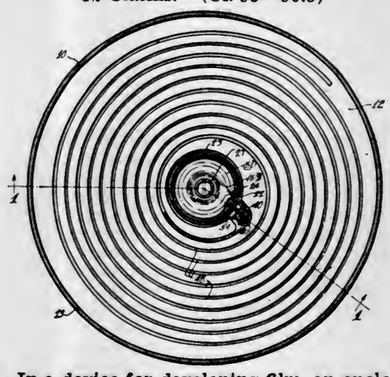
2. In a vehicle wheel raising device; a base element, an incline element, a wheel supporting element and means for supporting said wheel supporting element in selected adjusted, elevated positions; one end of said incline element being hingedly attached to the wheel supporting element, the other end of said incline element terminating in an integrally formed journal formation; one end of said base element being formed in a wedge shape having a hollow bearing formation in the base thereof in which is rockably seated the journal portion of said incline element.

2,076,070

MEANS FOR DEVELOPING PHOTOGRAPHIC FILM

Harry L. Dazey, Clayton, Mo.

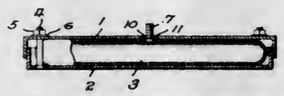
Application April 1, 1935, Serial No. 14,053
32 Claims. (Cl. 95—90.5)



1. In a device for developing film, an enclosure, means forming individual light-proof loading and developing chambers interiorly of said enclosure,

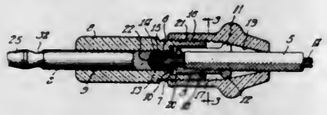
said loading chamber having a fluid inlet opening, a film passage connecting said chambers, an adjustable shutter element manipulative externally of said chambers for closing said passage, and a non-light-transmitting fluid passage connecting said chambers.

2,076,071
PNEUMATIC MACHINE BASE
Victor Hugo De Bolt, Fairbanks, Territory of Alaska
Application February 8, 1936, Serial No. 62,954
1 Claim. (Cl. 248—22)



A machine base comprising, upper and lower flanged base elements having their flanged edges in telescopic engagement, a pneumatic bag substantially filling the space between said base elements, and adjustable means extending between said base elements to vary the compression of said pneumatic bag, and thereby vary the sound deadening characteristics.

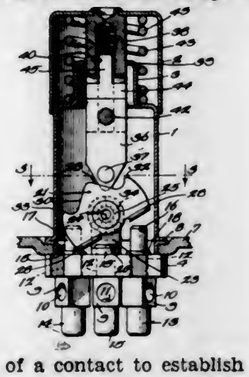
2,076,072
CONNECTER
Harry A. Douglas, Bronson, Mich.
Application December 22, 1932, Serial No. 648,355
Renewed April 1, 1936
2 Claims. (Cl. 173—269)



2. In combination: a body, including a pair of members each carrying means cooperable to effect connection of said members and each apertured to form a composite aperture extending longitudinally of said body; an electrical conductor member, having a part disposed within said composite aperture, and a part communicating with the exterior of said body; means disposed within said composite aperture, and having a part movable radially inwardly to grip a portion of an electrical conductor; said body members when connected acting on said means to urge said means toward said conductor member and hold the electrical conductor in position in electrical engagement with said conductor member; said body members being of insulating material.

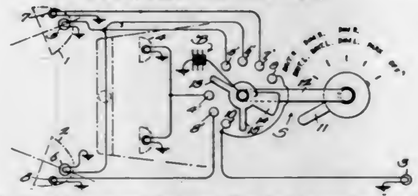
2,076,073
RECIPROCATING ELECTRIC SWITCH
Harry A. Douglas, Bronson, Mich.
Application January 18, 1934, Serial No. 707,133
24 Claims. (Cl. 200—15)

1. An electric switching mechanism including a contact carrier, a plurality of electrical contacts mounted thereon, a current continuing member having a flat surface perpendicular to said carrier connected to one contact, a plurality of contacts having members extending at right angles to the same face of said carrier on opposite sides of said first member and equally spaced therefrom, a current continuing bridge pivotally mounted upon said first member, means for oscillating said bridge about its pivot, means upon the bridge coacting with means upon the first member acting upon rotation of the bridge to continue rotation to cause the bridge to engage



the extension of a contact to establish a circuit therethrough.

2,076,074
LIGHTING SYSTEM FOR AUTOMOTIVE VEHICLES
Harry A. Douglas, Bronson, Mich.
Application March 15, 1935, Serial No. 11,285
10 Claims. (Cl. 171—97)



8. In a lighting system for an automotive vehicle, the combination of a source of electricity with a pair of headlamps permanently mounted to project their respective light beams in the direction of travel to cross each other in advance of the vehicle, each headlamp provided with electric lamps having a bright filament to project a high beam and a dim filament to project a tilted beam to intercept the road more adjacent to the vehicle, a unitary switching mechanism provided with a rotatably mounted current continuing plate including means for operating the same, a conductor leading from the current continuing plate to the source of electricity, uninterrupted conductors leading from each filament of the respective electric headlamps and terminating in spaced-apart contacts adapted to be instantaneously engaged by the current continuing plate of the switching mechanism, the contact of the conductor leading from the bright filament of the left headlamp being interposed between the contacts of the conductors leading from the right headlamp, and the current continuing plate being provided with fingers adapted in one position to engage the dim filament contacts of both headlamps, in the next successive position to move one finger out of engagement with the dim filament contact of the left headlamp and the other finger maintaining engagement with the dim filament contact of the right headlamp and being also moved into engagement with the bright filament contact of the left headlamp, and in the next successive position to move said last mentioned finger out of engagement with said dim filament contact for the right headlamp into engagement with the contacts for the bright filaments of both headlamps.

2,076,075
HYDRAULIC SCREW CLUTCH
Harry I. Downes, Avalon, Calif.
Application January 10, 1936, Serial No. 58,558
11 Claims. (Cl. 192—32)



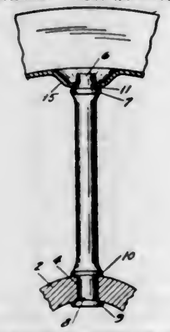
1. Clutch mechanism, comprising, in combination, two cooperating rotary driving and driven elements having a cylinder on one member and a reciprocable piston in said cylinder on the other member, said cylinder being adapted to contain fluid medium compressible under the action of a compression stroke of said piston and having a cam shoulder, a cam follower connected with said piston adapted to engage or disengage said shoulder and by which the piston is reciprocated to compress said fluid medium sufficiently to transmit the driving motion of the driving member to the driven member, and means for applying or releasing said follower.

2,076,076
BULLETPROOF VEST
Alexander H. Dunlap, Chicago, Ill.
Application June 7, 1934, Serial No. 729,398
2 Claims. (Cl. 89—36)



1. A bullet proof vest comprising a supporting structure, armor sections flexibly connected to said structure, sections consisting of a supporting member, separate fabric strips positioned adjacent the opposite ends of said member forming overlapping recesses, a plurality of sets of armor plates having their ends engaged in said recesses, each set of plates overlapping the next adjacent set and a covering embracing said armor plates tightly whereby the overlapped portions of said plates contact the adjacent plates substantially throughout their length.

2,076,077
METHOD OF MAKING METAL WHEELS
Ernest E. Einfeldt, Davenport, Iowa
Application September 23, 1935, Serial No. 41,723
1 Claim. (Cl. 29—159.02)

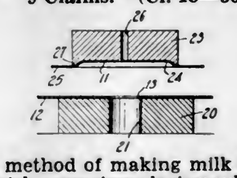


Those steps in the method of making metal wheels comprising forming a tapered tenon and a shoulder upon one end of each of several spokes, attaching the spokes by the opposite end to a pre-formed hub, inserting the assembled hub and spokes within a pre-formed continuous metal rim having holes for the reception of the free ends of the spokes, the holes in the rim being of substantially the same size as the small end of the tapered tenons, embossing the rim around the tenons, and heading the spokes to secure them in the rim and place tension on them.

2,076,078
METHOD OF FORMING INSULATING MATERIAL
Arthur H. French, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application April 24, 1935, Serial No. 17,991
3 Claims. (Cl. 106—18)

1. The method of forming an insulating material, which comprises mixing an inorganic compound having substantially no adhesive properties but being fusible at elevated temperatures to form a heat-resisting adhesive, with an organic easily applied adhesive, incorporating said mixture with rock wool fibres to bind the latter together, and subjecting said fibres to a temperature sufficiently high to fuse said inorganic compound and to burn said organic compound.

2,076,079
METHOD OF MAKING MILK BOTTLE CAPS
John R. Gammeter, Akron, Ohio, assignor of one-half to Susan G. Gammeter, Akron, Ohio
Original application April 2, 1935, Serial No. 14,248. Divided and this application June 6, 1935, Serial No. 25,260
9 Claims. (Cl. 18—56)



1. That method of making milk bottle caps or the like which comprises placing substantially flat sheets of unvulcanized rubber in superimposed relation between cooperating dies, bringing the dies together to shape the cap and simultaneously uniting the marginal edges thereof, placing a plurality of the shaped caps in a tubular member, and slowly rotating the tubular member in the presence of heat to vulcanize the rubber.

2,076,080
PROCESS FOR RECOVERING ZIRCONIUM OXIDE
Henri George, Paris, and Roger Lambert, Levallois-Perret, France, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
No Drawing. Application November 27, 1934, Serial No. 754,994. In France December 23, 1932
4 Claims. (Cl. 23—19)

1. The process of recovering zirconia from zirconium ores, which comprises fusing zirconium silicate until the entire zirconium silicate is decomposed into silica and crystalline zirconia, and then removing the silica by treating the mixture

in a cold state with hydrofluoric acid which reacts wth the silica without attacking crystalline zirconia, whereby pure crystalline zirconia is recovered.

2,076,081
STREET SIGN
Armin H. Gottlieb, New York, N. Y.
Application December 14, 1935, Serial No. 54,400
1 Claim. (Cl. 40—132)

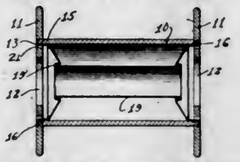


In a street sign, a hollow casing adapted to be attached at one end upon a street sign post and having an open opposed end and window openings in the front and rear walls, translucent signs supported upon the inner faces of the front and rear wall and viewable through said window openings, lamps supported within said casing to illuminate said signs, and a cover plate for closing said open end of the casing, longitudinal tracks being secured upon the inner walls of the casing and serve to support said translucent signs, said tracks having open ends at the open end of the casing so that the translucent signs may be removed from the casing and means for ejecting the said signs at different distances when said cover plate is removed, comprising springs attached on the casing and acting against the inner ends of the signs.

2,076,082
THERAPEUTIC PRODUCT AND PROCESS
Hans Christian Hagedorn, Gentofte, Birger Norman Jensen, Copenhagen, and Ingrid Wodstrup-Nielsen, Gentofte, Denmark, assignors to Nordisk Insulinlaboratorium, Gentofte, Denmark, a corporation of Denmark
No Drawing. Application February 14, 1936, Serial No. 63,890. In Denmark April 8, 1935
8 Claims. (Cl. 167—75)

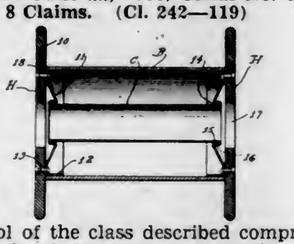
1. The resultant product obtained by mixing 'Insulin' and a protamine.

2,076,083
SPOOL
Hilyard C. Howsam, Chicago, Ill., assignor to Hubbard Spool Company, Chicago, Ill., a corporation of Illinois
Application September 23, 1935, Serial No. 41,718
8 Claims. (Cl. 242—119)



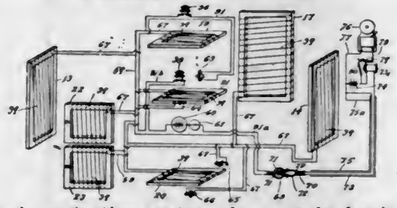
4. A spool of the class described comprising a cylindrical hub shell and end disks therefor, dish-shaped sheet metal supporting frames abutting at their perimeters against the inner sides of said end disks concentric therewith and affording supporting surface for the ends of the hub shell to center the shell relative to the disks, clamping tongues extending from the perimeters of said frames through openings in said disks and deflected radially outwardly against the outer sides of said disks in alignment with the hub shell, and means within said hub and between said frames for exerting inward axial pull on said frames for maintaining clamping engagement of said disks with the hub ends.

2,076,084
SPOOL
Hilyard C. Howsam, Chicago, Ill., assignor to Hubbard Spool Company, Chicago, Ill., a corporation of Illinois
Application June 22, 1936, Serial No. 86,567
8 Claims. (Cl. 242—119)



7. A spool of the class described comprising a barrel shell, head structures and an arbor receiving tube, each head structure comprising a disk and a separate sheet metal frame on the inner side thereof having a peripheral flange and means rigidly and permanently securing the frame to the disk at points immediately inwardly of said flange, said flanges affording seats for the barrel ends, said arbor receiving tube extending through and being interlocked at its ends with said frames to exert inward pull thereon for clamping the heads against the barrel ends, said disks having passages therethrough in alignment with said tube.

2,076,085
SAFE AND PROTECTIVE MEANS THEREFOR
Joseph Edgar Hunnicutt, West Hartford, Conn.
Application August 29, 1933, Serial No. 687,299
8 Claims. (Cl. 177—316)

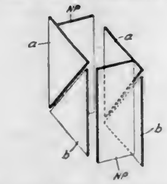


1. A protective system for a safe having a plurality of compartments, said protective system comprising a main electric circuit partly distributed within the walls of said safe, key operated means for disconnecting a portion of said circuit to permit entrance into one of the compartments of said safe, separate key operated means positioned within said compartment whereby another portion of said circuit may be opened to permit entrance into another compartment of said safe, a source of energy, a protective device located within said safe and a remotely positioned alarm in said circuit, said alarm being connected to said circuit by an extension therefrom and adapted to be operated together with said protective device upon the closing of said main circuit; the said extension comprising a separate circuit having a separate source of energy therein, and means for connecting said separate source of energy to said alarm

for operation thereof upon disconnecting said extension from said main circuit.

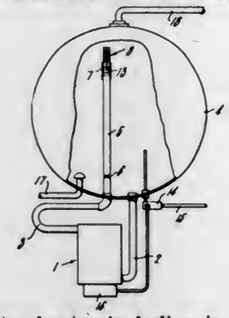
8. A normally open protective electric system for a safe comprising a plurality of compartments, said system including a main electric circuit distributed within the walls of said safe, a gas bomb in said circuit, said gas bomb being located within one of said compartments and adapted to be exploded when the said circuit is closed, doors for each of said compartments, circuit closing means operatable by said doors to close said circuit, a key operated switch located outside of said safe for rendering the operation of one of said circuit closing means, by the door of the first of said compartments, inoperative upon said circuit and another key operated switch positioned within the said first compartment and adapted to render the operation of another of said circuit closing means, by the door of the next compartment, inoperative upon said circuit to permit opening of the said door of the next compartment without causing the explosion of the said bomb.

2,076,086
CATHODE RAY TUBE
Alan Wilfrid Ladner, Danbury, England, assignor to Radio Corporation of America, a corporation of Delaware
Application January 25, 1934, Serial No. 708,195
In Great Britain January 26, 1933
6 Claims. (Cl. 250—27.5)



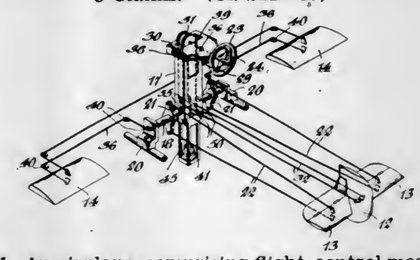
1. A cathode ray tube comprising a first set of beam deflecting electrodes for deflecting a beam generated within the tube along a predetermined path and a second set of beam deflecting electrodes arranged within the area bounded by said first named set of deflecting electrodes and supported perpendicularly thereto, at least one of said second set of beam deflecting electrodes including a plurality of independent sections.

2,076,087
WATER HEATER
Herbert J. Long, Springfield, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Application April 18, 1936, Serial No. 75,075
5 Claims. (Cl. 126—362)



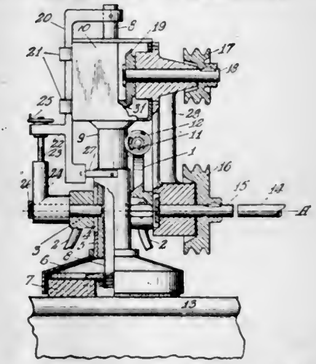
2. A water heater including in combination a heating unit, a storage tank, a thermostat in the lower portion of said tank controlling the flow of fuel to said heating unit, a passage between said heating unit and said tank to conduct water from said tank to said heating unit, a return passage leading from said heating unit and having a plurality of discharge openings into said tank, at different levels thereof, one of said openings being in the zone of said thermostat, and a second thermostat responsive to the temperature in the upper portion of said tank to control the relative amounts of flow through said openings.

2,076,088
CONTROL MECHANISM FOR AIRPLANES
Boleslaw Malinowski, Buffalo, N. Y.
Application October 29, 1934, Serial No. 750,462
8 Claims. (Cl. 244—80)



1. An airplane, comprising flight-control means including an elevator, a rudder and ailerons, a vertically-swinging member, a combined rotatable and laterally shiftable member mounted thereon and including axially-jointed sections permitting joint rotation of the sections and lateral swinging of one section relative to the other connections between said vertically-swinging member and the elevator for actuating the same in response to its swinging movements, and independent connections between said second-named member and the rudder and the ailerons for actuating the same in response to its rotatable and laterally-shiftable movements, respectively.

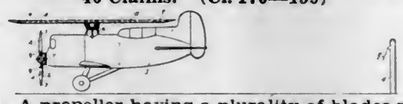
2,076,089
RAIL GRINDER
Milburn Moore, Brooklyn, N. Y., assignor of one-half to Chester F. Gailor, New York, N. Y.
Application September 15, 1934, Serial No. 744,235
12 Claims. (Cl. 51—178)



12. In a grinder for railroad rails, a grinding assembly including a grinding wheel and means to rotate said wheel, comprising an operating shaft on which said wheel is mounted, a countershaft in fixed relation to said operating shaft

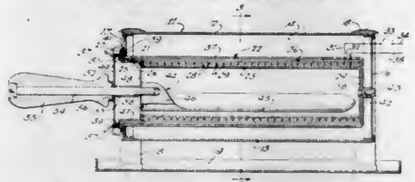
and geared thereto, and a power shaft parallel to and operatively connected with said countershaft in all positions of the latter, means to contact said wheel while rotating with each element of the rail head surface to be ground, including support members on which said grinding assembly including said wheel, said operating shaft, said countershaft, and said power shaft, may be rocked transversely of the rail whereby to tilt the plane of rotation of said wheel to permit said wheel to grind the curved contour of the rail head and to maintain the plane of rotation of said wheel parallel to the elements of the surface of the rail to be ground, means to adjust said wheel axially operable while said assembly is being rocked, and means to drive said power shaft.

2,076,090
PROPELLER
George Francis Myers, New York, N. Y.
Application April 27, 1936, Serial No. 76,589
40 Claims. (Cl. 170—159)



1. A propeller having a plurality of blades with tips, a tubular shaped portion mounted adjacent to the tips in each of the blades longitudinally thereof, and a unitary and nonstructural weight movable in relation to each of the tubular shaped portions.

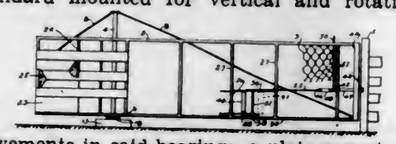
2,076,091
OVEN
William L. O'Neill, Chicago, Ill., assignor, by mesne assignments, to Angus Roy Shannon, Chicago, Ill.
Application March 8, 1935, Serial No. 10,013
3 Claims. (Cl. 219—35)



1. In an oven having an outer casing and an inner cooking compartment having one end open; a tray removably insertable into said compartment, comprising a supporting member for the material to be cooked, a hollow substantially cylindrical-shaped closure member for the open end of said compartment, a handle, and means for securing said handle, closure member and supporting member together, said supporting and closure members having interconnecting passageways for draining any undesired liquid accumulated in said tray during a cooking operation to the exterior of the oven.

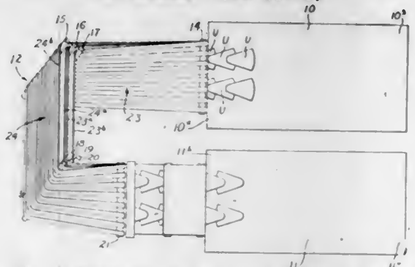
2,076,092
GATE
Antoine B. Pinard, San Jose, Calif.
Application November 20, 1935, Serial No. 50,679
2 Claims. (Cl. 39—31)

1. A gate structure comprising, in combination, a vertically disposed fixed hollow cylinder having a closed bottom end and an open top end and imbedded in the ground, a bearing in the lower portion of the cylinder, a plate fixedly mounted at the top of the cylinder and having a bearing portion projected into said cylinder, an upstanding annular flange formed thereon and an annular cam surface formed thereon between the bearing portion and flange, a gate carrying standard mounted for vertical and rotational



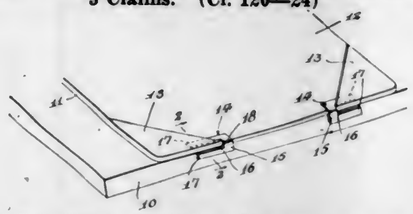
movements in said bearings, a plate mounted on said standard to overlie the first plate and having a depending annular flange disposed to overlap the said upstanding flange, and a roller mounted on said second plate to engage the cam surface on the first plate.

2,076,093
METHOD AND APPARATUS FOR HAT SIZING
Ralph K. Reynolds, Danbury, Conn., assignor to The Mallory Hat Company, Danbury, Conn., a corporation of Connecticut
Application June 8, 1934, Serial No. 729,595
11 Claims. (Cl. 28—5)



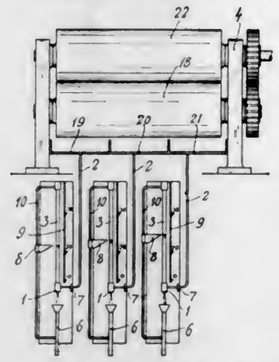
1. In apparatus of the character described, in combination, a pair of multi-roller sizing machines arranged side by side and substantially parallel to each other, the directions of flow in said machines being opposite to each other, and means for removing bats from the discharge end of one machine and placing them in the other machine, said means including parts adapted to turn said bats over and arrange them in tip on brim relationship.

2,076,094
DESK PAD CLIP
Albert F. Rippel, Greenwich, Conn.
Application September 11, 1935, Serial No. 40,158
3 Claims. (Cl. 120—24)



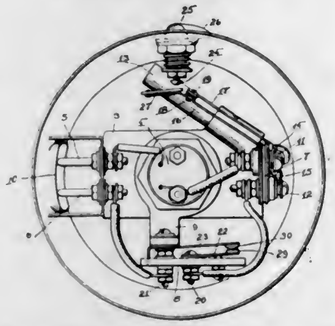
1. In combination, a pad having a pair of pockets positioned adjacent one edge thereof, a clip member for each pocket, said clip members having a pair of leg members arranged at right angles to each other, one of said legs being disposed within respective pockets, and the other of said leg members being disposed flush against an edge of a desk.

2,076,095
DEVICE FOR OBSERVING THE OPERATION OF PRESS ROLLS
Oscar Rolls, Honefoss, Norway
Application September 9, 1933, Serial No. 688,832
In Norway July 20, 1929
3 Claims. (Cl. 92—49)



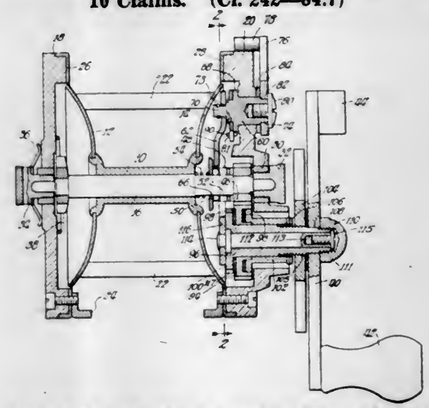
1. In combination with a water extracting press, of a water collecting vessel arranged below said press and divided into a plurality of independent sections each receiving the water from that portion of the press immediately above the same, and means associated with each section for continuously measuring the quantity of water collected by each section in each unit of time.

2,076,096
ELECTRIC PERCOLATOR
Abe O. Samuels and Alvin Dewayne Keene, Rochester, N. Y., assignors to Samson-United Corporation, Rochester, N. Y.
Application September 20, 1932, Serial No. 634,038
34 Claims. (Cl. 219—43)



1. In an electrically heated vessel the combination of heating means for heating said vessel, heat controlled operating means operated by said heating means, normally inoperative second and separate heating means for heating said vessel, means cooperating with said heat controlled operating means for shutting off said first heating means and turning on said second operating means, said second heating unit having sufficient heating capacity and being in close relationship to said heat controlled operating means and said vessel so as to keep the heat controlled operating means in its operated position to hold said first heating means inactive and said second heating means active while heating said vessel to a predetermined temperature below that provided by said first heating means.

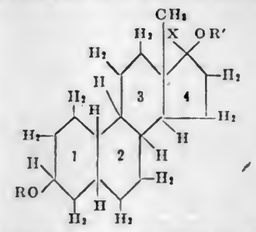
2,076,097
FISHING REEL
John V. Schafer, Bronson, Mich., assignor to Bronson Reel Company, Bronson, Mich., a corporation of Michigan
Application December 26, 1933, Serial No. 703,918
Renewed September 8, 1936
10 Claims. (Cl. 242—84.7)



5. In a fishing reel, in combination, a frame; a spool journaled on said frame; a handle journaled on said frame; a transmission from said handle to said spool; clutch means forming part of said transmission and arranged to be positively held in engagement by a mechanical load on said transmission; manual means for throwing said clutch means out of engagement; ratchet means preventing retrograde rotation of said handle; and adjustable friction brake means between said ratchet means and said clutch means.

2,076,098
SATURATED ALCOHOLS OF THE CYCLOPENTANO PHENANTHRENE SERIES, AND METHOD OF PRODUCING THE SAME
Walter Schoeller, Berlin-Westend, and Friedrich Hildebrandt, Hohen Neuendorf, near Berlin, Germany, assignors to Schering-Kahlbaum A.-G., Berlin, Germany, a corporation of Germany
No Drawing. Application March 1, 1935, Serial No. 8,842. In Germany December 7, 1933
10 Claims. (Cl. 260—153)

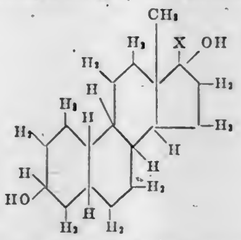
1. A method of producing saturated compounds of the cyclopentano phenanthrene series, having the physiological activity of the male sex hormone and corresponding to the structural formula



wherein X indicates a hydrocarbon radical and

R and R' are substituting radicals of the group consisting of hydrogen and acyl groups, comprising subjecting cyclopentano polyhydrophenanthrene compounds of the general formula $C_{18}H_n(OR)\cdot(OR')\cdot X$ wherein n indicates the numerals 17, 19 or 21, and X is attached to the cyclopentano ring while —OR is a phenolic group and OR' an alcoholic group, to the action of hydrogenating agents capable of hydrogenating the carbon-carbon double bonds in said starting material.

10. Compounds having the physiological activity of the male sex hormone and having a composition corresponding to the structural formula



wherein X indicates a hydrocarbon radical.

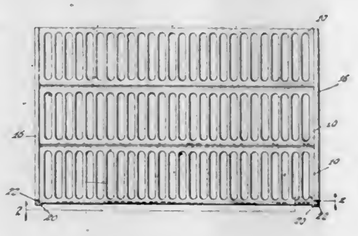
2,076,099

REFRIGERATOR SHELF

Charles Nelson Smith, University City, Mo., Harry G. Smith, Evansville, Ind., and Charles A. Bauer, Springfield, Mass., assignors to Hoosier Lamp & Stamping Corporation, Evansville, Ind., a corporation of Indiana

Application June 18, 1936, Serial No. 85,830

4 Claims. (Cl. 211—153)



1. A fabricated metal refrigerator-shelf, comprising a plurality of parallel co-planar shelf-sections each provided along its longitudinal edges with downwardly projecting reinforcing flanges, and means for interconnecting adjacent shelf-sections together and including a member connected to one shelf-section and extending laterally therefrom into engagement with a part on the adjacent shelf-portion whereby such adjacent sections may be moved as a unit laterally of themselves and in their common plane.

2,076,100

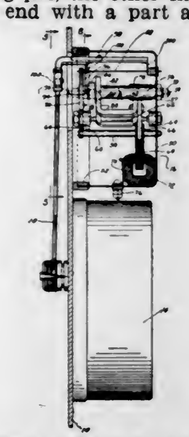
INSTRUMENT

Albert F. Spitzglass, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois

Application March 5, 1934, Serial No. 714,059

18 Claims. (Cl. 171—34)

11. An instrument having spaced parallel shafts, one having an arm provided at its end with a projecting pin, the other having an arm provided at its end with a part angularly adjustable relatively to said last named arm and having a slot embracing said pin.



2,076,101

TROLLEY CONTACTOR

Samuel S. Stolp, Louisville, Ky., and Rufus C. Sutton, Pittsburgh, Pa., assignors to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky., a corporation of Kentucky

Application December 1, 1933, Serial No. 700,418

17 Claims. (Cl. 246—254)



1. In a trolley pan comprising a longitudinal beam of insulating material a resilient member secured to said beam and a contact strip slidably attached to said resilient member.

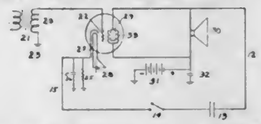
2,076,102

THERMIONIC TUBE CONTROL

Verage Tarzian, Philadelphia, Pa.

Application March 14, 1935, Serial No. 11,030

10 Claims. (Cl. 179—171)



9. In an audio frequency amplifier system employing thermionic tubes, for amplifying alternating currents, a source of alternating current, a control for said amplifier which comprises a connection from one point in said system to a capacity, whose reactance to audio frequency currents is substantially a short circuit, and a connection from said capacity to a switch and from said switch to another point in said amplifier system whose instantaneous alternating current potential is opposite to the first named point.

2,076,103

APPARATUS FOR PRODUCING CINEMATOGRAPHIC COMBINATION FILMS

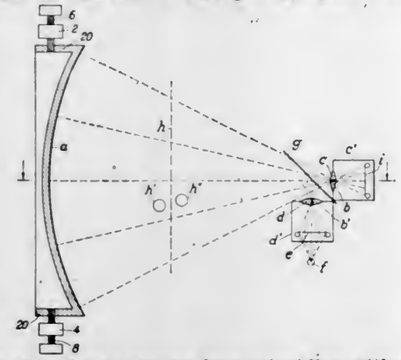
Walther Thorner, Berlin-Zehlendorf, Germany

Application May 15, 1933, Serial No. 671,161

In Germany May 18, 1932

2 Claims. (Cl. 88—16)

1. Apparatus for making combination photographs or cinematographic films comprising two scenes, said apparatus comprising, in combination, a photographic camera including an objective lens and light sensitive layer supporting means; a projecting apparatus including an objective lens, the axes of said two lenses being directed at an angle to each other in the same plane; a spherically curved concave mirror of relatively large diameter having its center of curvature substantially coincident with the optical center of the lens of said photographic camera



the axis of said camera lens coinciding with that of said mirror; a scene located between said concave mirror and the lens of said photographic camera to be directly photographed by the latter; a plane semi-transparent reflecting surface positioned in front of and between said two lenses perpendicularly to the plane of the axes of said two lenses and halving the angle formed by said axes, the centers of said two lenses being spaced equal distances from the front face of said plane semi-transparent reflecting surface, said distances being measured along said lens axes.

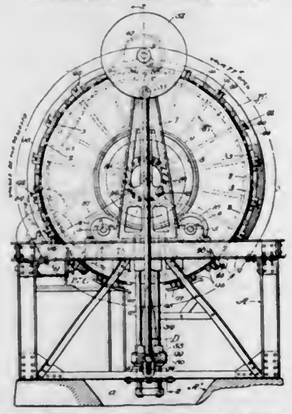
2,076,104

FILTER

William U. Vinton, Manitowoc, Wis.

Application July 15, 1933, Serial No. 680,537

5 Claims. (Cl. 210—200)



4. The method of filtering which consists in feeding pulp at a feeding pressure between a first filtering cloth and a second filtering cloth, opposed to each other, in permitting liquid to escape through said two opposed cloths while said cloths prevent the passage therethrough of solids, until solids have collected against said cloths to a substantial thickness, thereby forming two opposed layers of material of a consistency less fluid than that of the material intervening between said two layers, and in then pressing said first cloth toward said second cloth, thereby causing said two layers of material to approach each other and to thereby expel a substantial quantity of said intervening material.

2,076,105

PROCESS OF REFINING MINERAL OIL

William Hunter Volck, Watsonville, Calif., assignor to California Spray-Chemical Corporation, Berkeley, Calif., a corporation of California

No Drawing. Application June 13, 1933, Serial No. 675,580

8 Claims. (Cl. 196—13)

1. The process of refining petroleum oil, which comprises treating said oil with a mixture of acetone and triethanolamine as a selective solvent whereby said oil is separated into layers richer respectively in saturated and unsaturated hydrocarbons.

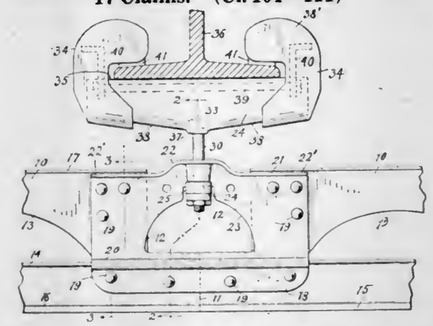
2,076,106

CONNECTION

William G. Wehr, Wickliffe, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio

Application May 26, 1932, Serial No. 613,688

17 Claims. (Cl. 104—111)



1. A device of the character described comprising a pair of supporting plates spaced apart in substantial parallelism and having laterally extending flanges at their upper portions, said plates being adapted to be connected to the adjacent ends of spaced members, said plates having aligned openings therethrough and cooperating recesses extending inwardly from said flanges and terminating at said openings, a hanger member having a portion disposed within said recesses, and a connection between said plates and the adjacent end of said hanger member.

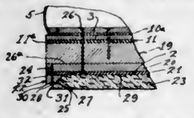
2,076,107

SHOE CONSTRUCTION

John Joseph White, Chicago, Ill., assignor to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois

Application June 11, 1934, Serial No. 729,936

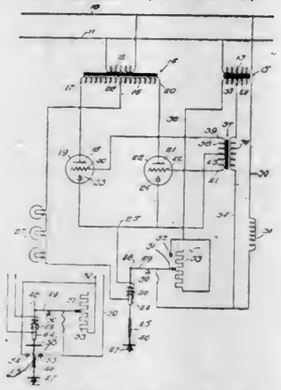
5 Claims. (Cl. 36—30)



2. In a heel construction, a top lift structure comprising a heel lift, a border strip applied to

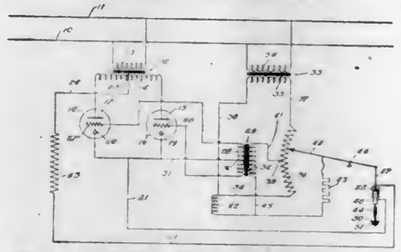
the margin of and stitched to said lift, and a top lift of cushion rubber connected to said lift and of substantially greater thickness than the strip so as to project below the same and constitute the tread of the heel, and means clinching the ends of said stitching.

2,076,108
CURRENT REGULATING SYSTEM
Hugh E. Young, Chicago, Ill.
Application June 11, 1934, Serial No. 730,142
8 Claims. (Cl. 176—8)



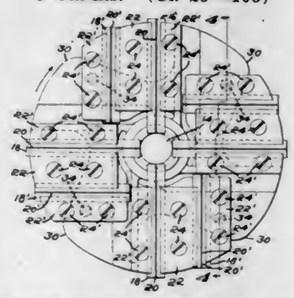
1. Apparatus of the character described, including; an A. C. supply; a controlled arc-rectifying tube; a load circuit in series with said tube the resistance of said load circuit varying between maximum value and substantially short circuit value; a phase-splitting circuit; a regulator for maintaining current constant in said load circuit, said regulator having a coil in series with said load circuit, and having a control element for shifting the phase of voltage of said phase splitting circuit; means whereby the voltage in said phase-splitting circuit is impressed on the control means in said tube; and said regulator having means whereby an open circuit condition in said load-circuit automatically alters one of the constants of said phase-splitting circuit to render said tube inoperative.

2,076,109
CURRENT REGULATOR
Hugh E. Young, Chicago, Ill.
Application June 11, 1934, Serial No. 730,143
10 Claims. (Cl. 175—363)



1. In a constant current system, an alternating current supply line, a load circuit the resistance of which may vary between a predetermined maximum value and a minimum value which approximates short circuit value, an electron tube having working electrodes connected to said line and to said circuit, said tube having means for controlling the conductivity thereof, a control circuit for said means, said control circuit comprising means for supplying a controlling alternating potential synchronous with the potential supplied by said line to the electrodes of said tube, said last named means comprising an inductive branch, a resistance branch, a potential dividing resistor having a control contact for regulating the potential applied to said branches in series, and a common return from said branches to a point on said resistor intermediate its ends, said return having a transformer winding therein, movement of said contact controlling the phase shift of said controlling potential relative to the potential impressed upon said working electrodes, and a current sensitive member in series relation to said load circuit for controlling the shifting of said contact to keep the current substantially constant for all variations in resistance between said maximum and minimum.

2,076,110
ROTARY CUTTER
Hugh M. Albee, Orange, Mass., assignor to The Leavitt Machine Company, Orange, Mass., a corporation of Massachusetts
Application June 22, 1935, Serial No. 27,948
3 Claims. (Cl. 29—105)



1. In a rotary cutting tool of the class in which the cutting is done in a plane perpendicular to the axis of rotation of the tool and in which the tool is urged lengthwise of said axis toward the work during the cutting operation, the combination of a rotatable cutter head having a plurality of arms each having a spring portion which is yieldable in the general direction of said axis, said spring portions and said second portions being disposed in part, at least, in parallel planes, a plurality of screws extending lengthwise of said axis and having threaded engagement with said second portions, respectively, and arranged to be rotated to engage said spring portions, respectively, to render said spring portions rigid and unyieldable in the general direction of said axis, and a plurality of cutters supported by said spring portions, respectively, and having cutting edges in a plane perpendicular to said axis.

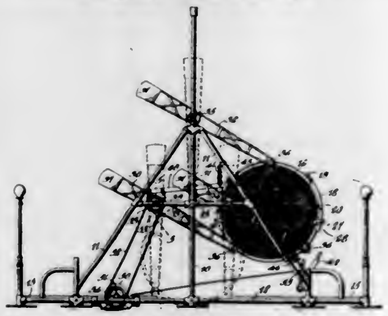
2,076,111
ESTERIFICATION PROCESS
William J. Bannister, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application August 17, 1934, Serial No. 740,295
14 Claims. (Cl. 260—103)

1. In a process for the production of carboxylic acid esters of aliphatic alcohols having less than four carbon atoms, the step which comprises introducing into the acid to be esterified a mixture of the alcohol to be esterified and a volatile liquid which forms a ternary boiling mixture with water and said alcohol, and which is chemically inert toward the said reactants and the formed ester, while maintaining the temperature at a point at least 20° C. above the boiling point of the esterifying alcohol and substantially below the boiling point of the formed ester.

2,076,112
MASTICABLE MATERIAL
John O. Barker, New York, N. Y., assignor to Sweets Laboratories, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 30, 1930, Serial No. 424,719. Renewed July 12, 1935
19 Claims. (Cl. 99—135)

4. A chewing gum base comprising rubber as a component thereof, and having a resinous material associated therewith to regulate the hardness of the chewing gum during use, and carrying talc in a finely comminuted state in admixture therewith in amount sufficient to reduce undesirable stickiness of the material during mastication.

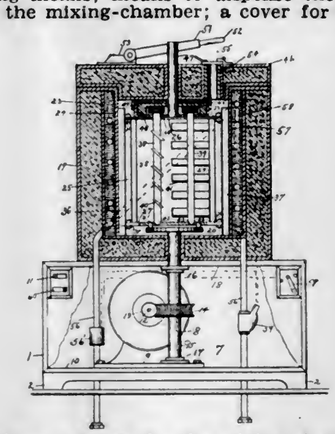
2,076,113
AMUSEMENT RIDE
John N. Bartlett, Tonawanda, N. Y.
Application November 26, 1934, Serial No. 754,803
8 Claims. (Cl. 272—49)



1. An amusement apparatus, comprising a frame, suspension arms pivoted intermediate their ends to said frame at substantially triangularly spaced points, and a passenger carriage pivotally connected at spaced points thereon to the companion ends of the arms to revolve bodily about the pivots thereof, the distances between the arm-pivots and the carriage-pivots of the respective arms being the same, and the opposing free ends of said arms having weights thereon to at least counter-balance the weight of the carriage.

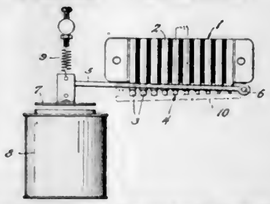
2,076,114
APPARATUS FOR MANUFACTURE AND DISPENSING OF FROSTED DRINKS AND/OR FOODS
Joseph A. Bethancourt, Louis J. Grabau and Jacob E. Heilemann, Dallas, Tex., assignors to Malt-O-Matic Corporation of America, a corporation of Texas
Application February 2, 1934, Serial No. 709,501
3 Claims. (Cl. 62—114)

1. In an apparatus of the type set forth, the combination with a cabinet having a power-compartment, a drink-container receiving niche indented into said cabinet, a power-unit in said power-compartment, a container supported by said cabinet; a secondary container within the first-named container and forming a mixing-chamber; an agitator-frame revolving in said mixing-chamber; means for operatively connecting the agitator-frame with the power-unit; shafts in said frame; agitator-blade thereon; spur-gears secured to said shafts, a ring-gear for operating said spur-gears counterclockwise; means to arrest the rotation of the ring-gear supporting means; means to dispense the product from the mixing-chamber; a cover for the dual



containers; a cover for the mixing-chamber and having an inlet; a refrigerating solution in the chamber formed by the first and secondary containers; a refrigerating coil convoluted about the mixing chamber and submerged in said solution; a thermal-bulb in said solution; a manually operated switch to control the operation of the power motor; a manually operated switch for controlling the refrigerating unit, and means connecting the coil to said refrigerating unit.

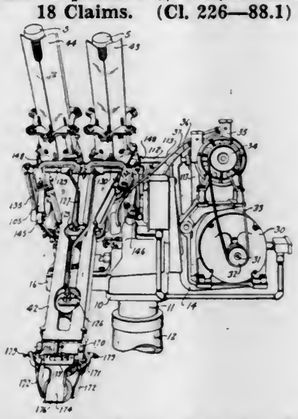
2,076,115
COMB REGULATOR FOR ELECTRIC MACHINES
Henri Bénit, Paris, France, assignor to "L'Eclairage des Vehicules sur Rail", Paris, France
Application June 20, 1932, Serial No. 618,367
5 Claims. (Cl. 200—104)



1. A switch for a resistance regulator comprising, in combination, contacts adapted to be connected to resistance elements; a series of resilient, conductive, electrically connected fingers, each one of which normally engages a corresponding contact; means movable to engage consecutively and bend the fingers in succession out of engagement with their related contacts, consecutive fingers of said series being varied in form in a manner to require that the force necessary to move each finger out of contact is greater than that necessary to move a preceding finger; and electromagnetic means having an armature, said armature being operably connected to said movable means, the increase in attraction of the electromagnetic means on its armature during

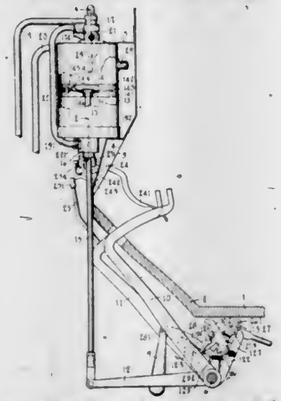
the movement of the latter being opposed by the increasing resistance offered by the fingers to the bending thereof.

2,076,116
BOTTLE CAPPING MECHANISM
Christian H. Brinton, Oak Park, Ill., assignor to Standard Cap and Seal Corporation, Chicago, Ill., a corporation of Virginia
Application September 5, 1933, Serial No. 688,100
18 Claims. (Cl. 226—88.1)



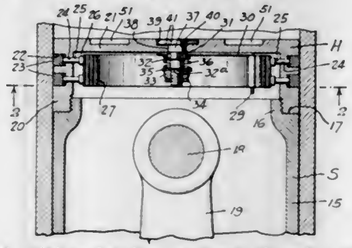
1. In a device of the character disclosed, in combination, a plurality of means for retaining a supply of articles; a common receiving chute for retaining a plurality of articles and having a single discharge opening for said articles; a plurality of means whereby articles from said retaining means are alternately removed from said retaining means and delivered to said receiving means; a common source of power for driving each of said delivering means; and means rendering one of said delivering means ineffective and causing another of said delivering means to remove articles from one of said retaining means.

2,076,117
CONTROL FOR THROTTLE, CLUTCH, AND BRAKE MEANS FOR AUTOMOBILES
Jesse B. Brown, Detroit, Mich., assignor, by mesne assignments to John E. Martz, Detroit, Mich.
Application April 13, 1933, Serial No. 665,977
18 Claims. (Cl. 192—.01)



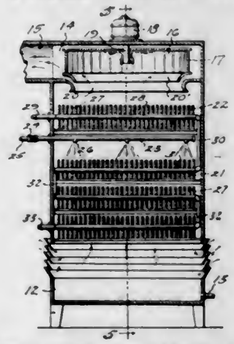
1. The combination of an automobile having a gasoline driving engine, brake, clutch having a control arm, and accelerator shaft and pedals, of a pedal shaft, a clutch pedal lever and clutch actuating arm supported on said shaft, a power lever having an arm corresponding to said clutch pedal arm, a power cylinder having a piston carried by the said automobile and connected to operate the power lever, a shiftable connecting link pivoted to the clutch control arm having disconnectible cross pins one of which is in the plane of the power clutch arm and adapted to engage the same and the other being a pedal cross pin and disposed to cooperate with the clutch pedal arm, whereby a simple manipulation of the pedals changes the clutch from pedal control to power control or vice versa.

2,076,118
PISTON
James A. Buchanan, Los Angeles, Calif., assignor of forty-nine per cent to Jerry M. Hopper, Los Angeles, Calif.
Application March 30, 1936, Serial No. 71,620
6 Claims. (Cl. 309—7)



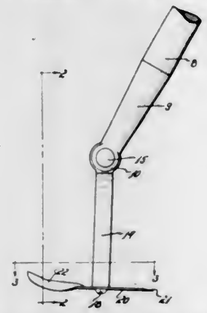
1. A piston having grooves therein; rings in the grooves; and adjustable means for expanding the rings radially in the grooves, said means comprising pins movable radially in the piston and engaging the rings, and a spiral spring urging the pins radially outward to expand said rings, and means for so supporting said spring on the piston that it engages and urges the pins radially outward to expand said rings.

2,076,119
COOLING UNIT
Thomas W. Carraway, Dallas, Tex., assignor to Carraway Engineering Company, Inc., Dallas, Tex., a corporation of Delaware
Application July 2, 1934, Serial No. 733,402
4 Claims. (Cl. 261—111)



1. A cooling unit comprising, a plurality of heat exchange coils for continuously conducting a fluid to be cooled, means for flowing air currents upwardly between said coils, spray heads for directing finely atomized sprays downwardly between said coils and into said upwardly flowing air currents, whereby the air currents are saturated and brought into intimate contact with the coils for dissipating the latent heat of the fluid flowing through said coils, and a preliminary heat exchange coil mounted above the spray heads in the path of the saturated vapors and connected with the other coils.

2,076,120
GARDEN TOOL
Mary Cyganick, Marine City, Mich.
Application May 31, 1934, Serial No. 728,326
1 Claim. (Cl. 97—66)



In a garden tool of the class described, a blade having one edge sharpened to provide a cutting surface; and spaced channel-shaped teeth projecting outwardly from the opposite edge of said blade, said teeth being curved upwardly on an arc struck from a center above said blade, said teeth opening downwardly.

2,076,121
HYPODERMIC SYRINGE NEEDLE HUB
Fairleigh S. Dickinson, Rutherford, N. J.
Application February 21, 1934, Serial No. 712,282
9 Claims. (Cl. 128—221)



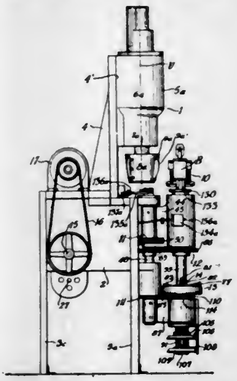
1. In a needle carriage for use in hypodermic syringes, and comprising a hub portion and a flange for entry into and locking engagement with a helical cam groove on a sleeve supported on the syringe, that improvement which consists in the provision of a locking flange consisting of four substantially triangular shaped projections arranged 90° apart extending and apexed outwardly from the hub, the apex portion of said projections constituting the groove entering and engaging means, said flange being substantially square and all of the parts thereof between any consecutive two of the four triangular projections being of less radial extent than the said apex portions of said projections.

2,076,122
FLOOR COVERING
Gerald F. Duryee, Willoughby, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio
Application July 12, 1934, Serial No. 734,782
1 Claim. (Cl. 154—49)



An automobile mat or other floor covering composed of upper and lower layers both of solid rubber, the upper layer being formed of relatively hard rubber composition and the lower layer of relatively soft rubber composition, said lower layer having narrow but relatively deep intersecting walls forming air pockets, and a sheet of fabric molded between the two layers so as to keep them substantially separate and to prevent material migration of rubber from one to the other during the molding and vulcanizing operation.

2,076,123
MACHINE FOR FORMING CURVED SURFACES ON HEELS AND THE LIKE
Bruno T. Gialdini, Canton, Ohio
Application July 14, 1931, Serial No. 550,667
13 Claims. (Cl. 12—87)

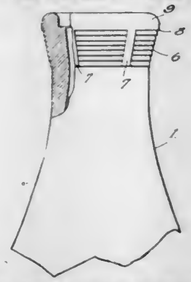


1. Apparatus for forming curved surfaces on heel blocks and the like, the apparatus including a plurality of spaced cutters, means for mounting a block including a movable block positioning member, means for moving the block mounting means from one cutter to another, second means for moving the block positioning member with respect to the first moving means and with each cutter during each cutting operation, and means controlled by operation of the second moving means for operating the first moving means to move the block mounting means from one cutter to another.

2,076,124
MILK BOTTLE
James E. Greenwood, Sapulpa, Okla., assignor to Liberty Glass Company, Sapulpa, Okla.
Application December 31, 1935, Serial No. 57,030
5 Claims. (Cl. 215—31)

4. A bottle of the class described including an upper portion having a series of annular shoulders stepped downwardly from near the end of the upper portion, each shoulder being of less diam-

eter than the next adjoining one thereabove, the continuity of the shoulders and the annular sur-

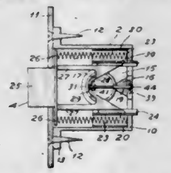


faces between the shoulders being interrupted at intervals by intersecting means.

2,076,125

DOOR LOCK

Hans Olsen Grimsrud, San Francisco, Calif.
Application November 20, 1935, Serial No. 50,723
In Japan November 26, 1934
14 Claims. (Cl. 70—146)



1. In a door lock, a casing, a bearing mounted transversely therein and having grooves in the top and bottom faces thereof, means for holding the bearing against rotary motion, plugs on opposite sides of the bearing having ribs engaging said grooves for holding the bearing against endwise motion and having channels therein, a bolt having ribs riding in the channels and means within the bearing for operating the bolt.

2,076,126

PROCESS AND APPARATUS FOR THE EXTRACTION OF PRODUCTS IN SOLUTION BY MEANS OF SOLVENTS

Henri Martin Guinot, Melle, Deux-Sevres, France
No Drawing. Application December 4, 1934, Serial No. 755,996. In France December 7, 1933
10 Claims. (Cl. 260—122)

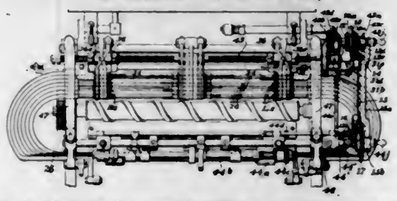
1. Process for extracting with the aid of a solvent, a product from a solution containing it, consisting in producing an emulsion of the said solution and the said solvent by injecting an inert gas under pressure into a liquid mixture of said solvent and said solution, simultaneously raising them in a circuit to ensure their subsequent circulation by gravity in said circuit, and allowing the emulsion to separate into layers and decanting one layer from the other.

10. In a battery for the extraction, with the aid of a solvent, of a product from a solution containing it, a gasometer, a plurality of interconnected emulsifiers each connected to said gasometer, means for supplying solution to be treated to said emulsifiers successively, means for withdrawing gas from said gasometer and discharging it into said emulsifiers whereby a fluid emulsion is formed in each of the latter, a degasification chamber connected to each emulsifier thereabove whereby said gas serves also to raise said fluid-emulsions to said degasification chambers, a plurality of decanters in which said fluid emulsions are separated into layers, said decanters being severally connected to a degasification chamber, and a trap connected to each decanter, said decanters being interconnected through said traps and emulsifiers.

2,076,127

FLAT FASHIONED KNITTING MACHINE

Kenneth Howie, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania
Application November 8, 1933, Serial No. 697,202
Renewed October 2, 1936
12 Claims. (Cl. 66—89)

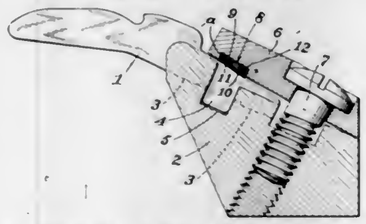


1. A flat fashioned knitting machine comprising narrowing point carriers, means for automatically moving said carriers for narrowing, stop means to arrest yarn guide carrier means, means for automatically adjusting said stop means for narrowing, power operated means thrown into operation after the knitting of a stocking blank has been completed for restoring the narrowing point carriers and the stop means to starting position automatically and simultaneously, and means actuated by the narrowing point carrier and the stop means at the ends of their restoring movements respectively for determining the points at which the arresting of said point carriers and the stop means will take place.

2,076,128

HOLDING MEANS FOR KNITTING MACHINE ELEMENTS

Kenneth Howie, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania
Application July 27, 1936, Serial No. 92,913
11 Claims. (Cl. 66—109)



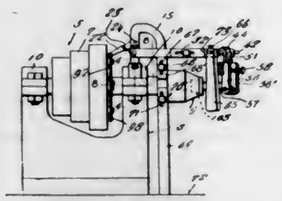
1. In combination with knitting machine elements, holding means therefor comprising a bed and a cover member between which the elements are clamped, and a compensating strip interposed between the clamping member and the elements, said strip consisting of a center strip of renitent material and a casing of sheet material for said center strip.

2,076,129

BUTTON MACHINE SAW FILING DEVICE

Willard C. Protsman, Lansing, Iowa
Application May 23, 1934, Serial No. 727,160
4 Claims. (Cl. 76—31)

1. In a button sawing machine including an arbor having a chuck mounting a button saw, a bearing supporting said arbor at one side of said chuck; a frame swingably mounted on said bearing and arranged overlying said chuck and



said button saw, and button saw filing means pivotally mounted on said frame and audible signaling means associated with the saw filing means to indicate a predetermined filing depth.

2,076,130

PROCESS OF MANUFACTURING POLYVINYL DERIVATIVES CONTAINING NITROGEN

Herbert Rein, Leipzig, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 19, 1935, Serial No. 36,935. In Germany August 21, 1934
4 Claims. (Cl. 260—2)

4. A process of producing polyvinyl derivatives containing nitrogen which comprises kneading 9 kilos of polyvinyl alcohol with 30 liters of a 20 per cent caustic soda solution, introducing the mixture into 200 liters of a solution of 10 per cent strength of cyanogen bromide in benzene, stirring the mass thus obtained for some hours while allowing the temperature to rise, heating the mass for a short time at 75° C., and filtering the finished product.

2,076,131

PROCESS OF MANUFACTURING POLYVINYL DERIVATIVES CONTAINING NITROGEN

Herbert Rein, Leipzig, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 19, 1935, Serial No. 36,936. In Germany August 21, 1934
3 Claims. (Cl. 260—2)

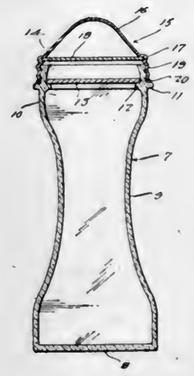
3. A process of producing polyvinyl derivatives containing nitrogen which comprises making 40 grams of polyvinyl alcohol into a paste with 200 cc. of a caustic soda solution of 20 per cent strength, adding while stirring 100 grams of bromethylamine hydrobromide, heating the mass until a clear solution is produced, evaporating the solution on the steam-bath, adding methanol, and removing the white powder which is produced.

2,076,132

PREPARED BEVERAGE CONTAINER

Carl Le Rose, West New York, N. J.
Application August 31, 1935, Serial No. 38,832
5 Claims. (Cl. 206—47)

1. A prepared beverage container construction of the class described comprising a beverage containing and drinking glass open at its top and provided with an internal stopper seating ledge disposed on a plane spaced downwardly from the extreme upper end, a removable stopper located in said upper end portion and seated on said ledge, an inverted ice cream containing cup formed at its bottom with a screw-threaded rim separably connected with said neck, said cup at the juncture of the rim and body portion being formed into a keeper channel, and a removable

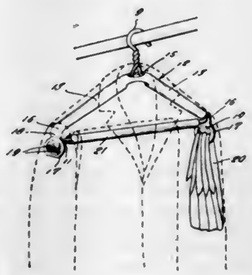


stopper located in said keeper channel and disposed in spaced parallelism to the upper end of the glass.

2,076,133

COAT HANGER ATTACHMENT

Peter E. Melby, Des Moines, Iowa
Application December 10, 1935, Serial No. 53,769
2 Claims. (Cl. 223—98)



1. An attachment for a wire coat hanger comprising a cardboard protector embodying diverging tubular members adapted to detachably embrace adjacent portions of the frame of the coat hanger, said tubular members being longitudinally slit on their under sides to permit application and removal and being longitudinally tapered, and terminating in bendable flaps, said flaps being constructed to provide supplementary hanger elements, the hanger elements being in the form of eyes to accommodate padding material for the sleeve portion of the conventional coat in the manner and for the purposes described.

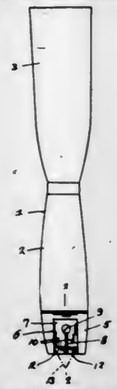
2,076,134

GLAZIER'S TOOL

Charles Ross, Sands, Mich.
Application May 16, 1936, Serial No. 80,189
2 Claims. (Cl. 1—44)

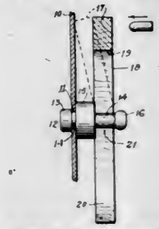
1. A tool for driving glazier points comprising a handle including a substantially flat face having a recess therein, and a magnetic plate mounted in said recess and substantially flush with said face, said magnetic plate including reduced por-

tions for the reception of a glazier point between certain of the walls of the recess, said reduced



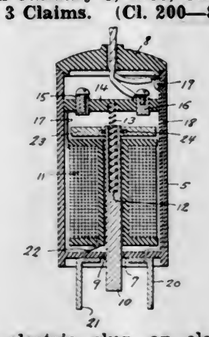
portions providing shoulders on the plate for abutting engagement with the glazier point.

2,076,135
TARGET
Arthur R. Stowell, Greenwood, Maine, assignor to Stowell Targets, Inc., Lockes Mills, Maine
Application April 16, 1935, Serial No. 16,705
7 Claims. (Cl. 124—15)



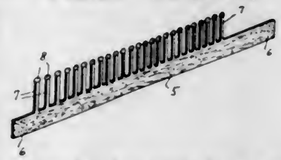
6. A target apparatus comprising a supporting structure and having openings formed therein, pins in said openings, said pins having a shank portion, a disk on said shank portion, shoulders on said shank between said supporting structure and said disk, said shoulders being of greater diameter than the opening in said supporting structure.

2,076,136
ELECTRIC PLUG
Edward E. Weed, Greenwich, Conn.
Application January 3, 1936, Serial No. 57,448
3 Claims. (Cl. 200—87)



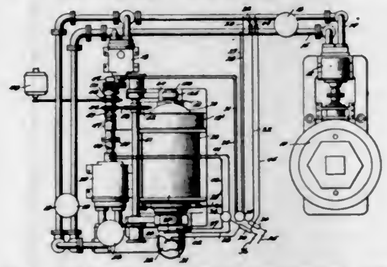
1. In an electric plug, an electro-magnet, a pair of contacts spacedly opposed to one end of the magnet, an armature adapted to bridge the contacts and being magnetically responsive to the magnet, a stem extending from the armature and longitudinally of the magnet to project beyond the opposite end thereof and adapted to hold the armature bridging the contacts in response to the application of longitudinally directed external force, and frictional clutch means constructed and arranged between the armature and the stem whereby the armature can slide on the stem in response to the magnetic force of the electro-magnet to unbridge the said contacts.

2,076,137
MATCH STRIP
Donald Eugene Wilson, Kingston, Tenn.
Application February 25, 1936, Serial No. 65,666
1 Claim. (Cl. 44—44)



As a new article of manufacture, a match strip comprising an oblong strip of flexible material provided with a striking surface and adapted to encircle an object, and also having extending from one edge thereof a series of relatively spaced matches having heads on the outer ends thereof, said series of matches terminating inwardly of the ends of the strip to provide extensions at each end of the strip and means for securing the extensions in overlapping relation.

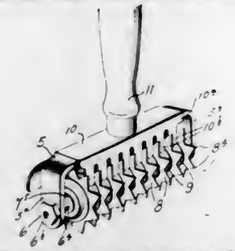
2,076,138
ROTARY DRILLING MECHANISM
Victor W. Zilen, Buffalo, N. Y.
Application June 16, 1931, Serial No. 544,862
20 Claims. (Cl. 254—186)



1. In combination, a hydraulic pump of the type having a tilting box, a change of angle of which causes flow of fluid from the pump in chosen direction and amount, a hydraulic motor cooperating therewith having an angle box characterized by the barrel of the hydraulic motor being stationary while the shell is fixed to and revolves with the angle box, said shell forming a hoisting drum, and a fixed shaft secured to the barrel and serving as a support for the barrel and the shell, said shaft having bores therein for conducting operating fluid to and from the motor.

2,076,139
MEAT TENDERER
David L. Doherty and David G. Rose, Louisville, Ky.; said Doherty assignor to said Rose
Application April 13, 1935, Serial No. 16,248
12 Claims. (Cl. 17—29)

7. In a meat tenderer, a knife assembly comprising a knife supporting bar, knife disks on said bar, a pair of oppositely acting spring metal spacers between adjacent ones of said knives, means adjacent one end of said bar for main-



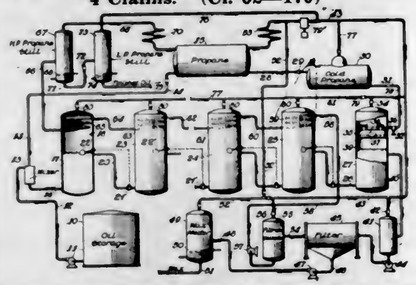
taining said knives and spacers thereon and a riveted shoulder enlargement adjacent the other end of said bar for compressing said knives and spacers into an operative assembly.

2,076,140
COOKING UTENSIL
Raymond T. Faunce, Washington, D. C.
Application November 17, 1936, Serial No. 111,301
4 Claims. (Cl. 53—6)



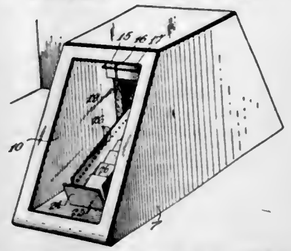
4. In a cooking utensil for the purpose described, a body portion having a bottom wall smoothly rounded on its interior surface, peripheral walls having smoothly rounded interior surfaces merging smoothly into the interior surface of the bottom, and overhanging walls provided with smoothly rounded under surfaces merging smoothly into the upper portions of the interior surfaces of the peripheral walls, said utensil being formed of heat resisting material, said bottom wall having a grease escape opening in its lower part and colored with coloring means of heat resisting character to imitate a cooked crab.

2,076,141
PROPANE DEWAXING
Henry O. Forrest, Teaneck, N. J., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application March 8, 1935, Serial No. 10,060
4 Claims. (Cl. 62—170)



1. In apparatus of the class described, a plurality of closed chill chambers, means for introducing a liquid from an intermediate part of each chill chamber to the base of the next following chill chamber, means actuated by liquid level control for regulating the amount of liquid flowing from each chamber to the following chamber, and means at the top of each chamber for reducing the pressure in said chamber and causing the vaporization of propane on the surface of the liquid therein.

2,076,142
REFRIGERATING DEVICE
Richard Gaschke, East Orange, N. J.
Application April 25, 1936, Serial No. 76,307
5 Claims. (Cl. 99—243)



1. In a refrigerating and humidifying device for cheese and other food products, a casing, a wire frame positioned in the casing, an upper tray and a lower tray supported by said wire frame, spaced sheets of spong rubber depending from the bottom of the upper try, said upper tray having slots in the bottom thereof to enable the passage of water onto said sheets, and a pan for holding cheese or other food products positioned between said sheets.

2,076,143
SULPHUR DYES
Walter Hagge and Karl Haagen, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 3, 1936, Serial No. 57,364. In Germany January 12, 1935
9 Claims. (Cl. 260—17)

1. The process which comprises heating decacyclene with a sulphurizing agent to the reaction temperature.

9. Sulphur dyes dyeing cotton full brown-red tints of good fastness and being obtainable according to the process claimed in claim 1.

2,076,144
VAT DYES
Walter Hagge and Karl Haagen, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 3, 1936, Serial No. 57,365. In Germany January 12, 1935
7 Claims. (Cl. 260—17)

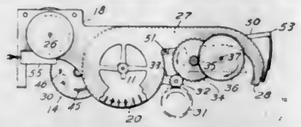
1. The process which comprises sulfurizing and halogenizing decacyclene in the presence of chlorosulfonic acid.

7. Vat-dyes being difficultly soluble in a sodium sulfide solution but being easily vatted with hydrosulfite and dyeing cotton from this vat full orange tints of good fastness, these dyes being obtainable according to the process claimed in claim 1.

2,076,145
WHISTLE FOR TOY RAILWAYS
Melvin R. Hall, Atlantic City, N. J.
Application February 14, 1936, Serial No. 63,889
12 Claims. (Cl. 46—202)

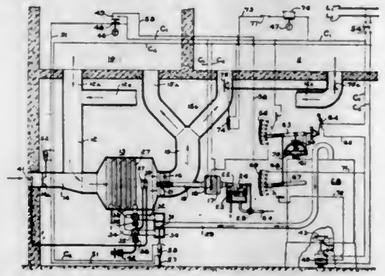
1. In combination with a toy vehicle having drive wheels and a motor for imparting rotation

thereto, a signalling device comprising a motor independent from the first named motor, a fan blower connected with the second named motor and arranged to drive the fan blower continuously during the operation of the toy vehicle, a whistle in communication with the fan blower,



and a movably mounted member associated with the whistle for either obstructing the flow of air therethrough rendering said whistle inaudible, or releasing the flow of air between the fan blower and said whistle effecting the audible signaling thereof.

2,076,146
CONTROL MECHANISM
Henry D. James, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 9, 1934, Serial No. 739,077
15 Claims. (Cl. 236—1)

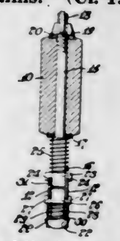


10. In heating apparatus for heating an enclosure, the combination of heating means, means for circulating air for the enclosure in heat-exchanging relation to said heating means, a first means responsive to an interal temperature within said enclosure for increasing the heat of said heating means when said internal temperature is too low, and a second means operative when said internal temperature is satisfactory, as judged by said first means, for controlling the heat of said heating means in response to both the temperature of the heated air and the outside temperature.

2,076,147
DEWAXING OF OIL
Leo D. Jones, Philadelphia, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application June 25, 1931, Serial No. 546,922
17 Claims. (Cl. 196—17)

11. In the production of dewaxed mineral oil from mineral oil containing wax of which a substantial proportion is amorphous in character, the steps comprising treating wax-containing mineral oil with sulphuric acid at a temperature between 115° F. and 140° F., removing resulting sludge, contacting the sour acid treated oil with finely divided clay at a temperature between 400° F. and 600° F., filtering solids from a solution of the clay treated oil at a temperature sufficiently low to form in the oil a cloud other than that due to the clay and sufficiently high to prevent substantial precipitation of amorphous wax, then cooling a solution of the filtered oil to a temperature between —20° F. and —70° F. at a rate sufficiently low to avoid shock-chilling of the mixture, and centrifugally removing precipitated wax from the solution.

2,076,148
LOOM HARNESS FRAME
John J. Kaufmann, Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 9, 1936, Serial No. 67,834
9 Claims. (Cl. 139—92)



1. In a loom heddle frame, a heddle bar upon which the heddles are mounted and a support for the heddle bar, said support including a pin having one end mounted on a rail of the frame, and resiliently actuated heddle bar clamping means mounted on said pin between the heddle bar and the free end of the pin and engaging the portion of the heddle bar toward the free end of the pin.

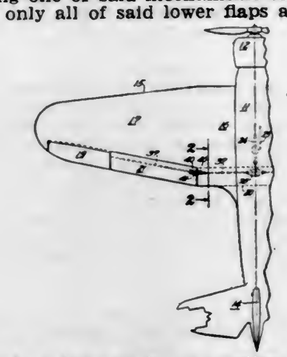
2,076,149
TAG
Frank J. Kernan, Newark N. J.
Application July 10, 1936, Serial No. 89,868
6 Claims. (Cl. 40—21)



2. A tag comprising a pair of integrally united panels, one of said panels provided on its edge opposed to the other panel with a finger having an enlarged head, and a pair of tabs extending in spaced relation to said finger adapted to bind the panels when folded and clinch said head when folded intermediate the panels.

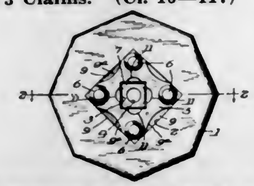
2,076,150
FLAP OPERATING MEANS
Arthur L. Klein, Los Angeles, Calif., assignor to The Northrop Corporation, Inglewood, Calif., a corporation of California
Application November 20, 1934, Serial No. 753,871
4 Claims. (Cl. 244—42)

1. In combination with an airplane having a wing and a fuselage mounted thereon, opposed upper and lower wing flaps on said wing each side of said fuselage, a central lower surface wing flap, operating rods extending from said fuselage and adapted to move laterally to open and close each of said wing flaps, a single control rod adapted to open and close said lower center flap, a pair of operating mechanisms, means for connecting one of said mechanisms to said rods whereby only all of said lower flaps are opened



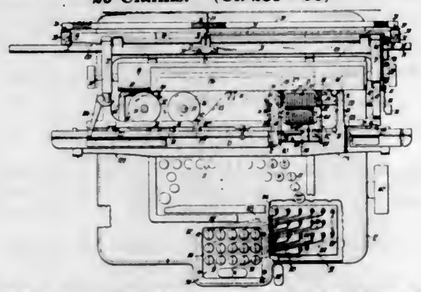
and closed, and means for connecting said other operating mechanism to said rods whereby only said upper and lower wing flaps are opened and closed.

2,076,151
VALVE HANDLE
William P. Kliment, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application May 21, 1935, Serial No. 22,607
3 Claims. (Cl. 16—117)



1. In a substantially solid handle suitable for assembly with a valve stem, an apertured plate, the said handle having a recess on its underside for the reception of the said plate, relieved means provided by the said plate whereby circulatory air passages are provided within and around the said recess when mounted therewithin.

2,076,152
COMBINED TYPEWRITING AND COMPUTING MACHINE
Alfred G. F. Kurowski, Brooklyn, N. Y., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application April 11, 1932, Serial No. 604,514
25 Claims. (Cl. 235—60)

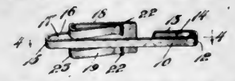


1. In a combined typewriting and adding machine, the combination of a system of elongate reciprocatory adding printing bars, ribbon-feeding mechanism, and a framework for said machine including a pair of spaced side members supporting typewriting mechanism, one of said side members having a channel-portion within which the adding printing bars are arranged, the other side member having a similar channel-portion within which the ribbon-feeding mechanism is arranged.

2,076,153
LUBRICATING OIL
Francis J. Licata, New York, N. Y., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application March 1, 1933, Serial No. 659,175
6 Claims. (Cl. 87—9)

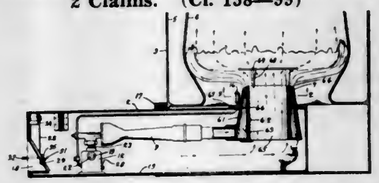
1. A non-water-dispersible, wax-containing, petroleum lubricating oil containing diethyleneglycol, castor oil fatty acids and an aluminum soap.

2,076,154
CRAVAT HOLDER
John H. Luft, Providence, R. I.
Application July 17, 1935, Serial No. 31,805
6 Claims. (Cl. 24—49)



1. A cravat holder comprising a clip for engagement with a shirt, a single bar spaced from the clip to receive a cravat between it and the clip and to extend along the front of the cravat, said bar being secured to said clip at one of its ends only, and provided with a return bend at its opposite end to embrace the edge of the tie, said return bend having a length in general more than half the effective length of the clip.

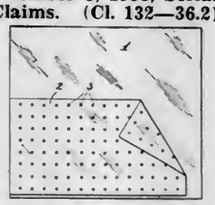
2,076,155
GAS BURNING UNIT
William E. MacKenzie, Oakland, Calif.
Application June 13, 1932, Serial No. 616,939
2 Claims. (Cl. 158—99)



1. A gas burning unit having a burner and separate inlets for gas and secondary air, valves for regulating the inflow of gas and air through said inlets, means including an electric circuit for automatically operating said valves for admitting air to said unit in advance of the admission of gas thereto upon initial operation of the burner to establish a moving column of secondary air prior to the introduction of gas and for stopping the flow of air a time period after stopping the flow of gas upon extinguishing the burner so as to supply an abundance of air to support final combustion, said means comprising a thermostatic member connected to each of said valves and arranged to open same on being heated, an electric heating element arranged to heat each of said members, and means for energizing said circuit, said member and element associated with said air control valve being faster in actua-

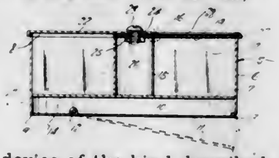
tion than the other member and element upon simultaneous energization of said elements and slower in regaining a valve closing position on de-energizing of said elements.

2,076,156
HAIR WAVING PAD
Everett G. McDonough, Mount Vernon, N. Y., assignor to Zotos Corporation, New York, N. Y., a corporation of New York
Application November 3, 1933, Serial No. 696,453
5 Claims. (Cl. 132—36.2)



1. In a hair waving pad, an outer flexible wrapper of relatively durable material adapted for repeated use, and an exothermic material containing flexible envelope forming a discardable element for single use only, the envelope being adapted to being removably placed in operative position upon the outer wrapper before the pad is applied to the hair tress.

2,076,157
FISHERMAN'S FLY BOX
Clyde W. Perkins and Paul M. Van Osten, Parkdale, Oreg.
Application April 8, 1936, Serial No. 73,198
3 Claims. (Cl. 43—32)



1. In a device of the kind described, a circular box having a plurality of radial compartments, and a cover rotatably seated on the box, the said cover having an opening through which any of the compartments may be reached by turning the cover on the box, a cutter plate covering one of the said compartments, and a sharpened cutting blade extended out from the cutter plate over an adjacent compartment.

2,076,158
CAP FOR CONTAINERS AND THE LIKE AND METHOD OF PRODUCING THE SAME
Frederick R. Reutter, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application June 2, 1934, Serial No. 728,658
4 Claims. (Cl. 29—148.2)

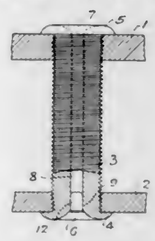


2. The method of forming a metal screw cap for containers and the like, which comprises forming a cap blank having a top portion and a skirt, said skirt having a helical edge, shaving a continuous band of metal from the inner wall of the skirt around the greater portion of its periphery, starting the cut at said edge and leaving said band integrally rooted to said wall, the depth of cut being substantially equal throughout the peripheral length of the band, and forming said band into a thread-like element.

2,076,159
ART OF MAKING LEATHERBOARD
Herman W. Richter, Bridgewater, Mass., assignor to George O. Jenkins Company, Bridgewater, Mass., a corporation of Massachusetts
No Drawing. Application March 29, 1935, Serial No. 13,669
9 Claims. (Cl. 8—2)

1. The method of bleaching leatherboard which consists in treating the leatherboard with an aqueous solution of an alkali binoxalate.

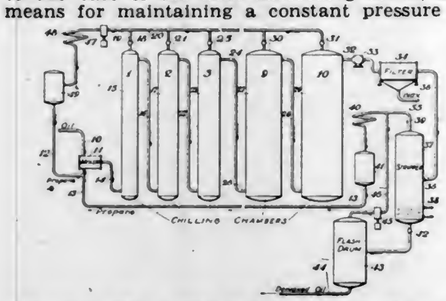
2,076,160
STAYBOLT ASSEMBLAGE AND CAP THEREFOR
Garland P. Robinson, Glen Ridge, N. J., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application November 28, 1936, Serial No. 113,116
4 Claims. (Cl. 85—1.5)



1. A metal cap for a boiler staybolt assemblage, the staybolt thereof, at its end adjacent the interior of the boiler, having a depression flaring outwardly to said interior, and said staybolt having a cylindrical hole with a mouth thereof opening to said depression, said cap comprising a cylindrical tubular body portion adapted to be disposed within said hole at said mouth for the full length of said body portion, with the outer end of said body portion disposed adjacent the juncture of said mouth with said depression, the tubular wall of said body portion being of a size exteriorly to adapt it to make a forced fit with the wall of said hole to securely retain said cap in place under service conditions, said tubular wall being of relatively thin material; a circular flange integral with said body portion at said outer end thereof extending radially outward therebeyond to adapt it to seat upon the wall of said flaring depression at its juncture with said mouth to prevent said cap from passing into said hole beyond said mouth; and a circular head closing said tubular body portion disposed adjacent said flange and integrally connected at its periphery with the outer periphery of said flange.

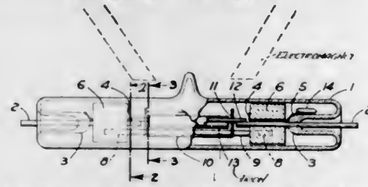
2,076,161
WAX CRYSTALLIZATION
Jack Robinson, East Alton, Ill., and Vanderveer Voorhees, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application July 22, 1935, Serial No. 32,566
7 Claims. (Cl. 62—170)

1. In apparatus of the class described, a series of towers of gradually increasing diameter, means for introducing liquid from the top of one tower to the base of the next succeeding tower, and means for maintaining a constant pressure in



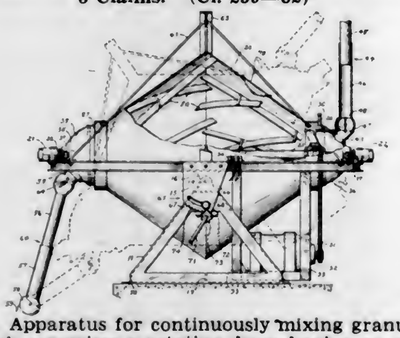
the top of each tower substantially equal to the pressure at the base of the next succeeding tower.

2,076,162
ELECTRIC SWITCH
John P. Ruth, New York, N. Y., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Application November 13, 1935, Serial No. 49,625
4 Claims. (Cl. 200—87)



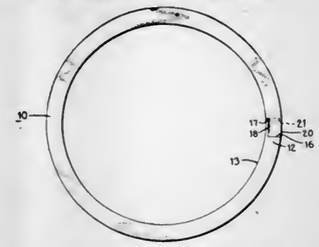
1. An electric circuit maker and breaker comprising a sealed envelope, two fixed contacts sealed into said envelope, a relatively long bridging member extending between said contacts, said fixed contacts being spaced apart a distance slightly less than the length of said member whereby each end of said member engages one of said contacts, means comprising smooth metal strips connected to said contacts to prevent axial displacement of said member, means independent of said envelope and insulated from said contacts to prevent movement of said member beyond the edges of said strips, and a magnetizable body loosely connected to said bridging member.

2,076,163
MIXER
William Miles Ryan and John W. Bold, Brooklyn, N. Y., assignors to Ryan Coffee Corporation, New York, N. Y., a corporation of New York
Application May 6, 1933, Serial No. 669,694
8 Claims. (Cl. 259—82)



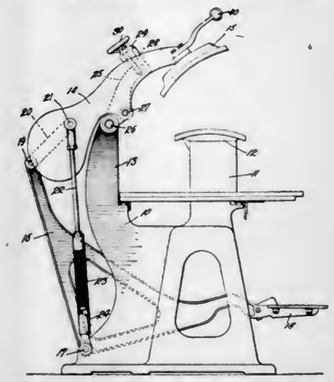
1. Apparatus for continuously mixing granules which comprises a rotating drum having an axially positioned granule inlet at one end and an axially positioned granule outlet at the opposite end, means to support said drum to tilt on an axis to its axis of rotation, mixing blades within said drum, a non-rotating inlet and a non-rotating overflow outlet sealed against said inlet and outlet openings respectively and telescoping inlet and outlet chutes leading to said inlets and outlets respectively to permit tilting of said drum without disconnection from said chutes.

2,076,164
PISTON RING
Lewis A. Safford, Watertown, N. Y., assignor to The New York Air Brake Company, New York, N. Y., a corporation of New Jersey
Application March 15, 1934, Serial No. 715,578
5 Claims. (Cl. 309—46)



1. A lap joint piston ring having a pair of overlapping legs the leg at one end of the ring being provided with an arcuate surface extending the full length of the leg and curved about the center of the ring, and the extreme end of the other leg of the ring being provided with a narrow substantially flat surface set-out beyond the remainder of said other leg and arranged to cooperate with said arcuate surface.

2,076,165
GARMENT PRESS
Otto W. Schaum, Philadelphia, Pa.
Application November 5, 1935, Serial No. 48,287
9 Claims. (Cl. 38—36)



1. A garment press comprising a frame, a garment support, a head, and a head-supporting means, operating mechanism connected to said head-supporting means and a lever pivotally mounted intermediate its ends on said head-supporting means and having one end pivotally connected to said frame and the other end adjustably connected to the head-supporting means.

2,076,166

SUBSTITUTED SULPHONIC ACIDS OF HIGH WETTING, DISPERSING, AND EMULSIFYING POWER AND THE PROCESS OF PRODUCING THE SAME

Ernest Segessemann, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application August 7, 1936, Serial No. 94,798
8 Claims. (Cl. 260—64)

1. The process of preparing sulphonic acids of high cleansing, wetting and emulsifying power which consists in condensing an unpolymerized terpene with a member of the group consisting of the sulpho acids of non-halogenated members of the benzene and naphthalene series and their hydroxy compounds.

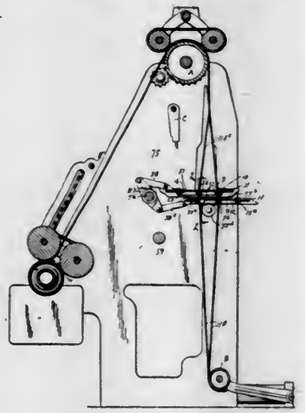
8. The process of producing sulphonic acids of high cleansing, wetting and emulsifying power which consists in condensing a terpene with a member of the group consisting of the sulpho acids of a member of the benzene and naphthalene series, condensing the reaction product with an aldehyde capable of forming a bridge linking together several aromatic nuclei.

2,076,167

HEDDLE STRUCTURE FOR LOOMS

Herbert L. Thompson, Elgin, Ill., assignor to Reynolds Wire Co., Dixon, Ill., a corporation of Illinois

Application October 21, 1935, Serial No. 45,980
5 Claims. (Cl. 139—91)



5. In a heddle, a frame having inwardly projecting members at its ends, channel-shaped heddle dents straddling said members, having warp wire openings, and means for locking the heddle dents in place.

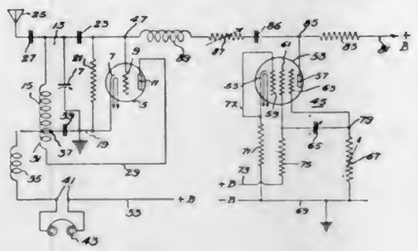
2,076,168

QUENCHING OSCILLATOR FOR SUPER-REGENERATIVE RECEIVERS

Alfred H. Turner, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 31, 1935, Serial No. 47,665
10 Claims. (Cl. 250—20)

1. In a super-regenerative receiver, an oscillating detector, means for applying thereto a quenching signal comprising a series of high frequency impulses, and means for limiting said impulses to negative half-waves of relatively high



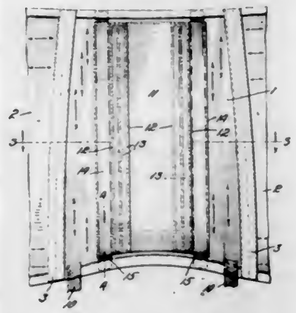
amplitude and of short duration with respect to the positive half-wave intervals therebetween.

2,076,169

FOUNDATION GARMENT

Hildegard Wipperman, Chicago, Ill., assignor to The H. W. Gossard Co., Chicago, Ill., a corporation of Delaware

Application May 13, 1936, Serial No. 79,421
3 Claims. (Cl. 2—37)



1. A foundation garment for women comprising a girdle having an elastic section adapted to stretch in accordance with bending movements of the body, elastic tapes secured to said elastic section at the interior of the garment and adapted to stretch with said elastic section, and a control panel slidably carried by said tapes and adapted thereby to remain in fixed relationship to the body independently of said bending movements.

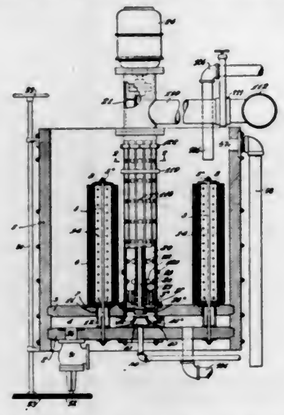
2,076,170

DYEING APPARATUS

Edward J. Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire

Application February 25, 1936, Serial No. 65,708
12 Claims. (Cl. 8—19)

1. Dyeing apparatus comprising a kettle, a false bottom defining a plenum chamber in the lower part of the kettle, means for mounting perforated spools of wound material in the kettle with their barrels in communication with the plenum chamber, a vertical column extending up through the kettle from the plenum chamber and having fluid openings affording communication between the body of the kettle and said column at various levels in the kettle, a fluid impeller associated with the lower part of the column, means for closing the fluid openings in the vertical column, and means for applying suction to



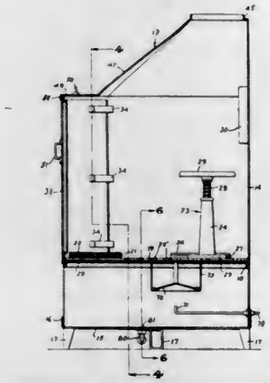
the vertical column to extract moisture from the wound material.

2,076,171

VAPOR BATH CABINET

Fred A. Besuzzi, Temple City, Calif.

Application May 18, 1936, Serial No. 80,265
12 Claims. (Cl. 4—164)



1. In a vapor bath apparatus, the combination of a fume generator and a plurality of cabinets, a pipe connecting the fume generator to each cabinet, a valve in each pipe and a pressure indicator connected to each pipe.

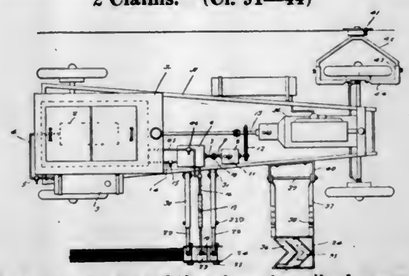
11. In a vapor bath cabinet, a cylindrical body having a frusto-conical upper portion thereon, said frusto-conical upper portion and said body each having an aperture therein, a pair of arcuate doors closing the aperture in said body, a pair of plane doors closing the aperture in said frusto-conical portion, said plane doors having foot portions thereon provided with downwardly projecting flanges overlapping said arcuate doors, locking means on one of said arcuate doors, latching members mounted on the other arcuate door and coacting with said locking means, means for moving said latching members, means for normally urging said moving means to position to unlatch said doors, said foot portions engaging said moving means to normally hold the doors closed.

2,076,172

APPARATUS FOR SPRAYING A CENTER STRIPE ON HIGHWAYS

Robert Bowden, Robstown, Tex., assignor to V. W. Payton, Bell County, Tex.

Application October 7, 1935, Serial No. 43,951
2 Claims. (Cl. 91—44)



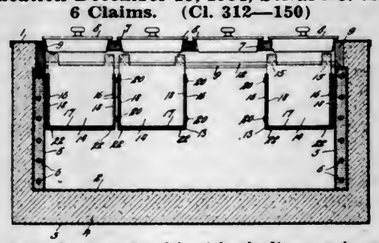
1. An apparatus of the class described comprising a motor vehicle including steerable wheels, a tank containing asphalt carried thereby, means for heating the tank, a pump, means for driving the same from the power plant of the vehicle, means for connecting the pump to the tank, an outwardly extending arm at one side of the vehicle, a frame at the outer end of the arm, a depending nozzle carried by the frame, means for connecting the nozzle to the pump, brush means in front of the nozzle carrying frame, means for supporting the same from the vehicle, and guide means adjustably connected to a front wheel of the vehicle and engaging an edge of a highway and located at that side of the vehicle opposite the side which carries the nozzle assembly, said guide means consisting of a frame secured to a stationary part of a motor vehicle and projecting laterally therefrom with one of the steerable wheels of the vehicle operating therein, and a flanged roller at the outer end of the frame.

2,076,173

COLD STORAGE CABINET

George W. Cocks, Upper Montclair, N. J.

Application December 19, 1934, Serial No. 758,192
6 Claims. (Cl. 312—150)



4. A cold storage cabinet including an insulated container having an opening in the top thereof and closed sides and bottom forming an insulated area for articles to be cooled, a collapsible and separable carrier mounted in said cabinet, said carrier being larger than the opening in the top of said cabinet and including separable end, side and bottom sections adapted to be separately inserted through said opening and assembled within said cabinet, and means for detachably connecting said sections within said cabinet.

2,076,174

GARMENT HANGER

James H. Cournyer, Oskaloosa, Iowa

Application August 27, 1934, Serial No. 741,554
3 Claims. (Cl. 223—92)

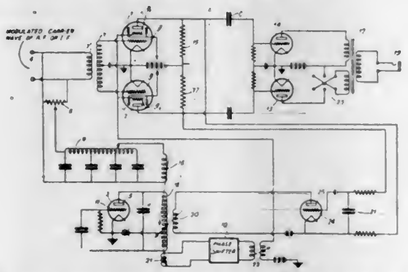
1. In a garment hanger, a plate, means for fastening the plate to a support, said plate hav-

ing at its lower end a horizontal journal member for supporting a coat hanger, a loop of rigid material having an end rotatable in said journal, a coat hanger having a central channel-



shaped member, a holder comprising a sheet folded to rotatably receive the other end of said loop and to receive the walls of the channel of the coat hanger.

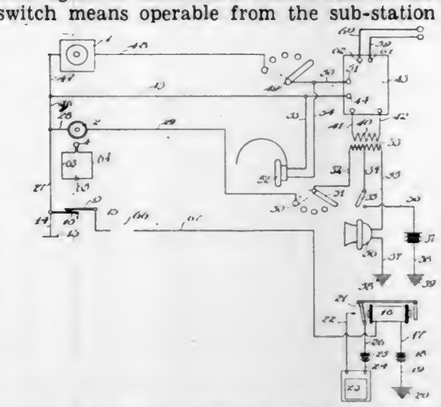
2,076,175
PHASE MODULATION RECEIVER
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 23, 1935, Serial No. 46,285
22 Claims. (Cl. 250—20)



1. In a receiving system in combination, a signal carrying wave responsive device, a demodulator coupled thereto, a local oscillator coupled to said demodulator, a second demodulator coupled to said first named demodulator, a second oscillator, a circuit connecting said first demodulator to said second oscillator, phase shifting means in said last named circuit, a circuit connecting said second oscillator to said second demodulator, and a circuit connecting said second demodulator to said first named oscillator.

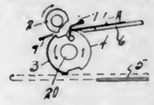
2,076,176
AUTOMATIC INTERCOMMUNICATING SYSTEM
William F. Davidson, St. Paul, Minn.
Application July 31, 1933, Serial No. 683,005
1 Claim. (Cl. 179—1)

An automatic secretarial inter-communicating system of the class described, comprising in combination a central station having a receiver and a transmitter, a sub-station in a room remote from said central station, said sub-station having a loud speaker receiver and a microphone transmitter, switch means operable from the sub-station to connect the central station with the sub-station, a signal located at the central station, and signal operating means mounted in the sub-station and automatically operable by the entrance of a person into the sub-station to actuate said signal in the central station and secondary switch means operable from the sub-station to



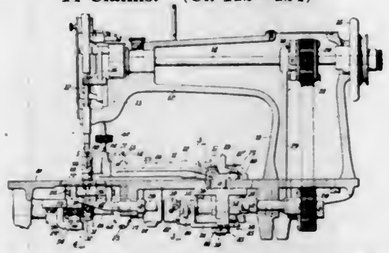
render said signal operating means inoperative, for the purpose set forth.

2,076,177
PRINTING MECHANISM
Kenneth J. Dollahite, Fort Worth, Tex.
Application May 18, 1936, Serial No. 80,363
3 Claims. (Cl. 101—215)



1. In an off-set printing mechanism, means for carrying a type form or plate in negative-relief, a combination cylinder, one side of which is a platen surface, and the other side constructed to carry a resilient composition blanket to serve as a primary transfer surface, and a secondary transfer cylinder, said primary surface of the combination cylinder adapted to receive a positive print from the form or plate, and to transfer a negative print on said secondary transfer cylinder, which in turn is adapted to impart a positive print on paper carried by the platen side of the combination cylinder.

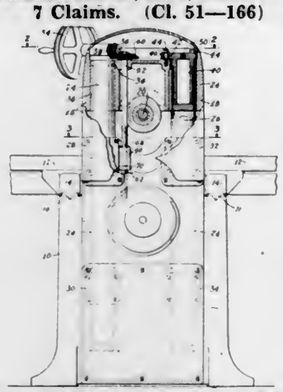
2,076,178
TRIMMING AND STITCHING MACHINE
George M. Eames, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application June 29, 1935, Serial No. 29,016
14 Claims. (Cl. 112—124)



1. A sewing machine having in combination a bed, an overhanging bracket-arm terminating in a hollow head carried by said bed, a reciprocatory needle, needle actuating means, an actuating shaft journaled in said bed, a vertically disposed

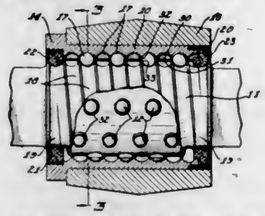
hook-shaft journaled in said bed, gearing between said shafts, a hook carried by said hook-shaft and located at one side of the needle path, a rotary trimmer located at the other side of said needle-path, and means for actuating said trimmer.

2,076,179
MACHINE TOOL
William H. Feeney, East Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application June 10, 1936, Serial No. 84,469
7 Claims. (Cl. 51—166)



6. In a machine tool having a base, a work support, a rotary tool spindle and a vertically adjustable column for said spindle, the combination of a slide support for said column having relatively slideable parts comprising two vertically disposed cylindrical posts and cooperating sleeve bearings therefor, connections whereby the column is rigidly secured to one of the relatively slideable parts of the slide support comprising the posts and bearings, and the base is rigidly secured to the other of said relatively slideable parts, means for adjusting said connections to effect a slight angular adjustment of the column with relation to the base about the vertical axis of one of said posts, and means for controlling vertically the position of the column with relation to the base.

2,076,180
MOTOR VEHICLE
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 28, 1934, Serial No. 745,896
11 Claims. (Cl. 308—233)

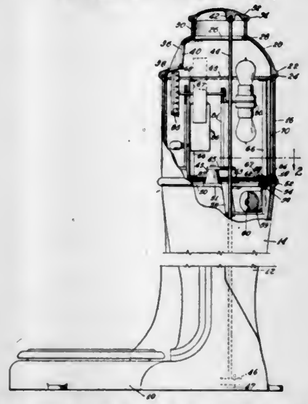


1. A bearing comprising a pair of spaced telescoping members having complementary grooves in their adjacent faces forming a helically extending channel, a cage sleeve intermediate said members having openings therethrough, said openings being disposed in the channel, balls in the openings in said cage sleeve spacing said telescoping members, said balls transmitting radial and thrust loads uniformly, and means for holding said cage sleeve in substantially fixed axial relation with one of said members.

2,076,181
PROCESS FOR THE PREPARATION OF AN ORGANIC ACID ESTER OF CELLULOSE IN FIBROUS FORM
Frederick J. Hopkinson and Charles R. Fordyce, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application July 28, 1933, Serial No. 682,726
4 Claims. (Cl. 260—101)

1. A cyclic process for the preparation of an organic acid ester of cellulose in fibrous form by means of an acylation bath containing at least one lower fatty acid anhydride, at least one lower fatty acid, a sulfuric acid acylation catalyst and an inert organic non-solvent in an amount sufficient to make the bath non-solvent of the ester to be formed, which comprises reacting upon cellulose with a relatively large amount of that acylation bath whereby the anhydride and the catalyst present are depleted and fatty acid is accumulated, separating a large proportion of the spent liquor from the ester, segregating sufficient of said separated spent liquor to supply the lower fatty acid required for a succeeding acylation bath, adding to said segregated portion the kind and amount of the other acylation bath constituents required to reconvert said portion to a succeeding acylation bath of the same general character as the first named acylation bath, and acylating further cellulose with the reconverted acylation bath.

2,076,182
ADVERTISING DEVICE
Ode D. Jennings, Chicago, Ill., assignor to O. D. Jennings & Co., Chicago, Ill., a corporation of Illinois
Application December 21, 1936, Serial No. 116,950
9 Claims. (Cl. 40—33)



1. An advertising device including a hollow base member, an annular base ring positioned interiorly of said base member and having a plurality of spaced rollers with their axes disposed substantially in a horizontal direction, a cylindrically-shaped placard frame having open vertical wall portions rotatably carried on said rollers, a glass cylinder supported on said base

member and surrounding said frame, a source of light within said frame, a shell-like dome surmounting said glass cylinder, a glass ring surmounting said dome and a cap member surmounting said ring, a tensioning member attached to the inner side of said cap member and extended interiorly of said frame and base member and adapted to secure the said base member, glass cylinder, dome, glass ring and cap in assembled relation as aforesaid, together with driven means for rotating said frame within said glass cylinder whereby translucent copy cards in said frame may be viewed exteriorly of said glass cylinder and moved across the vision of the observer.

2,076,183

HEAT RESISTING FINISH

Martin Louis Michaud, Detroit, Mich., assignor to Metal Finishing Research Corporation, Detroit, Mich., a corporation of Michigan

No Drawing. Application February 25, 1935, Serial No. 8,085

4 Claims. (Cl. 91—70)

4. A black finish consisting of sodium silicate and filler consisting of black oxide of cobalt and black oxide of iron, the sodium silicate having a ratio of approximately 1 part of Na_2O to 3.42 parts of SiO_2.

2,076,184

PROCESS FOR DEHYDRATION OF ACETIC ACID AND OTHER LOWER FATTY ACIDS

Donald F. Othmer, Brooklyn, N. Y., assignor to Tennessee Eastman Corporation, Kingsport, Tenn., a corporation of Virginia

No Drawing. Application December 20, 1933, Serial No. 703,317

18 Claims. (Cl. 260—122)

1. The process for continuously separating water from its solution with one or more of the lower fatty acids, in which the dilute acid or acids are extracted with a symmetrical ether having a normal boiling point between 85 and 95° C., the aqueous layer discharged after substantially complete exhaustion, the ether layer, containing substantially all of the acid originally present and part of the water, passed to a column still in which the ether removes the water in an azeotropic distillation and the lower fatty acid or acids are discharged in a concentrated condition.

2,076,185

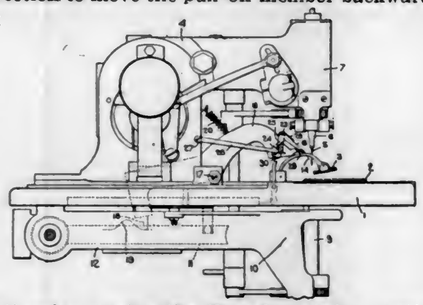
THREAD PULL-OFF DEVICE FOR BUTTONHOLE SEWING MACHINES

Joseph H. Pikul, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine

Original application October 27, 1934, Serial No. 750,335. Divided and this application July 13, 1935, Serial No. 31,215

5 Claims. (Cl. 112—253)

1. A sewing machine having work-holding means, stitch-forming mechanism including a needle, said stitch-forming mechanism and work-holding means having a backward and forward relative movement, a pivotally-mounted lever, means to give said lever an oscillating motion at the end of a sewing operation, a thread pull-off member carried by said lever and having a thread-engaging portion normally situated in the rear of the needle, means operative during the swinging movement of said lever in one direction to move the pull-off member relative to said lever forwardly in the direction of said relative movement thereby to carry its thread-engaging portion into a position in front of the needle and operative during the movement of said lever in the opposite direction to move the pull-off member backward-



ly thereby causing the thread-engaging portion thereof to engage the needle thread and pull it free from the work.

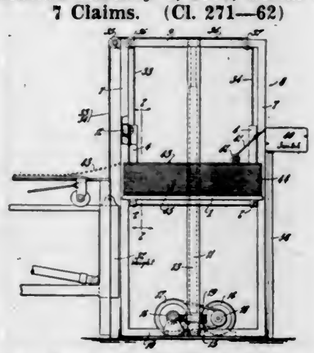
2,076,186

ELEVATING TABLE

Wellington George Reynolds and Gustave Schubach, Holyoke, Mass., assignors to The Reynolds Manufacturing Company, Holyoke, Mass., a corporation of Massachusetts

Application January 8, 1935, Serial No. 841

7 Claims. (Cl. 271—62)



1. In an apparatus for the purpose described, a movably mounted shelf, screw means passing through the shelf for elevating the shelf, when operated, means for operating the screw, a split nut normally engaging the screw means and secured to the said shelf, means for retaining the split nut on the screw, and manual lever and link means for disconnecting the two halves of the split nut from the screw means for permitting the shelf to be lowered, as described, and means for retaining the lever means locked when the split nut engages the screw.

2,076,187

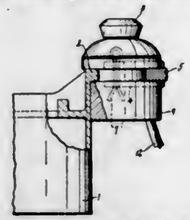
DEMOUNTABLE INSULATOR FOR LAMP HANGERS

Allison J. Thompson, Cleveland, Ohio

Application March 29, 1934, Serial No. 717,992

2 Claims. (Cl. 173—311)

2. Means for removably mounting a contactor on a lamp hanger member comprising a generally cylindrical insulator carrying said contactor and having a laterally extending end recess to receive a wire connection for said contactor, said insulator having an annular groove, means on said hanger member providing a seat for positioning and supporting said insulator closely adjacent said hanger member, with said recess directed from said member, said means including flange means projecting into said insulator groove, and gate means mounted on said hanger member for maintaining said insulator so seated,



said insulator having a concavity fitting an adjacent convex part of said hanger member, whereby when mounted, said contactor may be disposed more closely adjacent said hanger member, and said recess direction will be maintained.

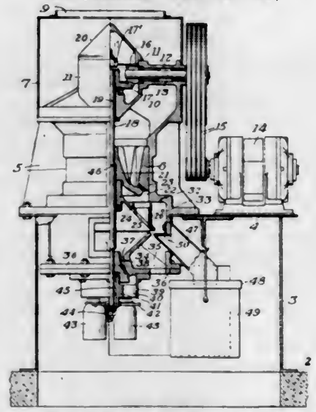
2,076,188

SAMPLING DEVICE

Thorleif Thorsten, Pittsburgh, Pa.

Application June 22, 1934, Serial No. 731,923

15 Claims. (Cl. 73—21)



9. A sampling apparatus comprising an upper crushing unit, a lower crushing unit directly below the upper one, a common drive shaft for both units, driving means for operating the shaft, and quartering means carried by the drive shaft and operatively interposed between the upper and lower crushing units, said quartering means being adjustable to vary the relative amounts of material directed into the lower unit from the upper one.

2,076,189

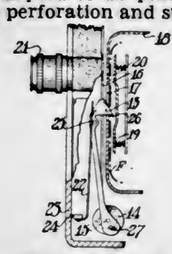
FILM CLAW

Otto Wittel, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application November 29, 1935, Serial No. 52,005

5 Claims. (Cl. 88—18.4)

1. In a motion picture apparatus, the combination with a guideway for supporting a film strip which is provided with perforations, and a film advancing means of the ratchet type including a claw member for intermittently engaging successive perforations of said film strip, and including an eccentric member for reciprocating said claw member through a pull-down stroke, of a film engaging surface on said claw member, said film engaging surface being substantially straight and adapted to be parallel to the edge of the engaged perforation and substantially nor-



mal to the film path at the end of the pull-down stroke, and a protuberance located at the end of the film engaging surface and extending below the plane of said film engaging surface.

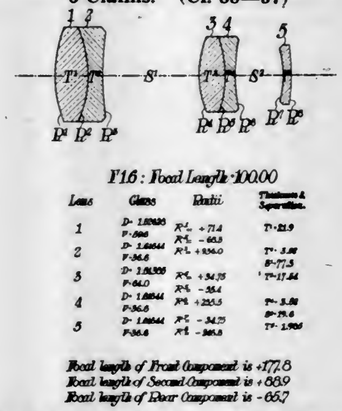
2,076,190

PROJECTION OBJECTIVE

Donald L. Wood, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application September 26, 1934, Serial No. 745,570

6 Claims. (Cl. 88—57)



F16: Focal Length 10000

Lens	Glass	Ratio	Thickness & Separation
1	D- 1.53035 P- 5.00	R^1_1 = +71.4 R^1_2 = -66.5	T^1= 21.9
2	D- 1.60644 P- 36.6	R^2_1 = +356.0	T^2= 5.48 S^2=77.5
3	D- 1.53035 P- 64.0	R^3_1 = +34.75 R^3_2 = -55.4	T^3=17.84
4	D- 1.60644 P- 36.6	R^4_1 = +255.5	T^4= 5.48 S^2= 28.6
5	D- 1.60644 P- 36.6	R^5_1 = -34.75 R^5_2 = -365.8	T^5= 1.500

Focal length of Front Component is +177.8
Focal length of Second Component is +68.9
Focal length of Rear Component is -65.7

1. A projection objective of the Petzval type corrected for spherical aberration, astigmatism and curvature of field comprising two convergent components having an inwardly curved image field, each of said components consisting of a biconvex element cemented to the front of a biconcave element and being separated axially from each other by substantially 75% of the equivalent focal length of the combination, and a rear divergent meniscus lens element with its front surface concave positioned near and in front of the image plane, said rear element having a focal length which is numerically less than the focal length of either of the convergent components and being made of glass having a refraction index for the D line greater than 1.60.

2,076,191

CAMERA SHUTTER CONSTRUCTION

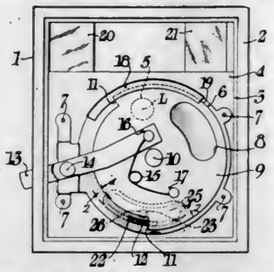
Harry W. Adams, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application December 26, 1935, Serial No. 56,129

5 Claims. (Cl. 95—59)

1. A shock absorber for camera shutters comprising a slotted support and a stop spring pressed

against and projecting through the slotted support, cooperating means on the support and stop and comprising a projection on one part engaging a depression on the other part adapted to hold



the parts in a normal position of rest, the walls of the depression and projection being so shaped as to increasingly retard movement of the stop relative to the support as the former is moved from its normal position of rest.

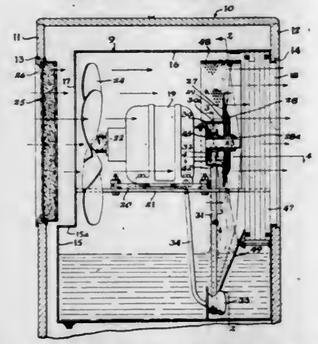
2,076,192

AIR CONDITIONING APPARATUS

William C. Carr, Richmond, Va.

Application September 24, 1935, Serial No. 41,907

7 Claims. (Cl. 261—90)



1. In apparatus of the character described, the combination with a fan and a motor for operating said fan to create a current of the air which is to be treated, of means for producing a vapor screen through which said current of air is directed, said means including a foraminous disc which is rotated by said motor and means for delivering water initially and exclusively to the central portion of the disc, the water flowing outwardly from said central portion over the perforations in the said disc and being thrown from the periphery thereof by centrifugal force.

2,076,193

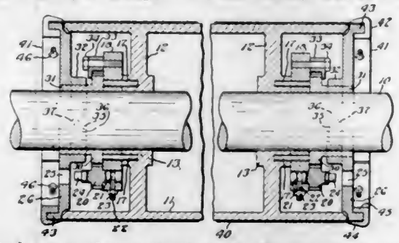
ABRASIVE DRUM FOR LEATHER SURFACING MACHINES AND THE LIKE

George Monroe Curtin, Gloversville, N. Y., assignor of one-half to Behr-Manning Corporation, Watervliet, N. Y., a corporation of Massachusetts, and one-half to Curtin and Hebert Company, Inc., Gloversville, N. Y., a corporation of New York

Application November 21, 1936, Serial No. 112,103

4 Claims. (Cl. 51—194)

3. In apparatus of the class described a shaft, a drum on said shaft, a pair of heads to said drum, means to move said heads away from each other, a flange on each head, and a clamp



fitting over the end of each flange, and means to draw each clamp toward said shaft.

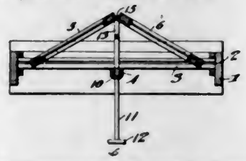
2,076,194

WINDOW

Louis Epstein and Henry W. Miller, Miami, Fla.

Application April 6, 1935, Serial No. 15,086

3 Claims. (Cl. 20—42)



1. A window comprising, a frame having guideways at top and bottom and provided with a middle supporting rail having an opening therethrough, a pair of window sashes combining to close the opening of the frame, hinge means swingably connecting said window sashes together at their adjacent edges, spindle means at the top and bottom outer edges of each sash cooperating with the guideways to slidably hold the outer edges of the sashes, a guide sleeve carried by said supporting bar within the opening thereof, and an operating rod fitted slidably through said guide sleeve and consequently through said opening and connected with said sashes substantially along the line of hinging thereof to be moved endwise slidably through said sleeve and opening to open and close said window sashes.

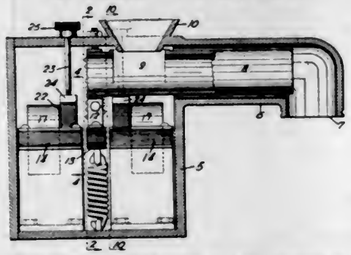
2,076,195

MAGNETIC CONVEYER

Glenn R. Fickel, Denver, Colo.

Application October 8, 1934, Serial No. 747,411

17 Claims. (Cl. 198—220)



17. A device of the character described comprising a pair of electromagnets connected for alternate energization, an armature supported for vibratory motion between the poles of the electromagnets, tension-elements connected to the armature on opposite sides thereof, and a conveyor extending transversely of the tension-elements and connected with the armature to receive vibratory impulses therefrom.

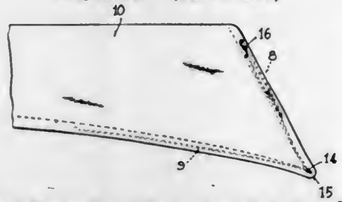
2,076,196

STIFFENER FOR COLLARS

Charles Frederick, Columbiana, Ohio

Application September 25, 1934, Serial No. 745,472

2 Claims. (Cl. 2—132)



1. A stiffener for collars comprising a relatively resilient element formed to include two portions the end parts of which are angularly related, one portion being adapted to form and stiffen the front edge of a collar and the other portion being adapted to form and stiffen the lower edge of the collar, in combination with a separate relatively resilient element having a hook at one end adapted to be engaged with a perforation in the collar material to dispose the body of said element in the collar in substantial prolongation of the line of the first named portion of the first element and in overlapping relation therewith.

2,076,197

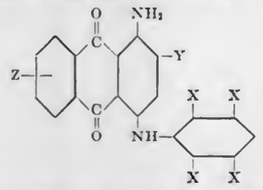
SULPHONATED ARYLAMINO ANTHRAQUINONE DYESTUFFS AND PROCESS FOR THEIR MANUFACTURE

Ernst Gutzwiller, Basel, Switzerland, assignor to the firm of Chemical Works formerly Sandoz, Basel, Switzerland

No Drawing. Application May 3, 1934, Serial No. 723,802. In Germany February 16, 1934

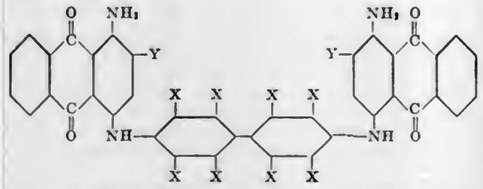
24 Claims. (Cl. 260—60)

5. A process for the manufacture of anthraquinone compounds, consisting in treating with manganese peroxide at a temperature of —20° to +50° C. and in presence of sulphuric acid of 40 to 100% strength sulphonated arylaminoanthraquinones of the general formula



wherein Y represents a member of the group consisting of hydrogen, alkyl, alkoxy, halogen, cyano and sulpho, Z represents a member of the group consisting of hydrogen, halogen, hydroxy, alkoxy, amino, acylamino and sulpho, and X represents a member of the group consisting of hydrogen, alkyl, alkoxy, acylamino, halogen and sulpho groups.

12. The anthraquinone compounds of the general formula



wherein X represents a member of the group consisting of hydrogen, alkyl, alkoxy, acylamino, halogen and sulpho, and Y represents a member of the group consisting of hydrogen, alkyl, alkoxy, halogen, cyano and sulpho groups, said compounds constituting in dry state dark powders which are soluble in water and dye animal fibres in blue shades of excellent fastness properties.

2,076,198

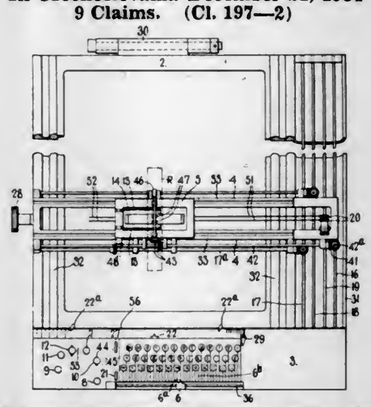
TYPEWRITER

Franz Honnolke, Haberzie, Post Gross-Tschochau, Czechoslovakia

Application December 5, 1935, Serial No. 53,066

In Czechoslovakia December 21, 1934

9 Claims. (Cl. 197—2)



1. A typewriter having in combination, a horizontal platen table, a machine frame superposed on said platen table, a type carrier, a slide mounted to move in line spacing direction on said frame and on which said type carrier can traverse in letter spacing direction, a type drum rotatable about a horizontal axis on said carrier, type bars mounted in said drum to move radially outwards for printing, printing mechanism on said carrier, and a control board with finger operated control mechanism fixed on said machine frame for initiating and controlling the movements of said slide, type carrier, type drum, printing mechanism and type bars.

2,076,199

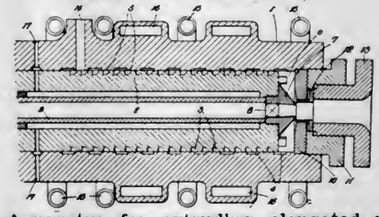
APPARATUS FOR EXTRUDING METAL

Robert Eustace Horley, London, England, assignor to Pirelli-General Cable Works Limited, London, England, a British company

Application September 27, 1934, Serial No. 745,810

In Great Britain October 9, 1933

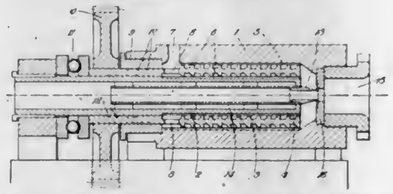
16 Claims. (Cl. 207—2)



1. Apparatus for extruding elongated metal bodies of constant cross-sectional design, comprising in combination inner and outer longitudinally extending and relatively rotatable concentric members, the outer of which forms the work-

ing chamber, a screw impeller formed on one of said members and the other of said members having recesses of a formation designed to retain the said metal substantially stationary therein relatively to that in the convolutions of the impeller whereby the metal in the convolutions of the said impeller is sheared free from the metal in the recesses and advanced longitudinally of the impeller without turning.

2,076,200
APPARATUS FOR EXTRUDING METAL
Robert Eustace Horley, London, England, assignor to Pirelli-General Cable Works Limited, London, England, a British company
Application November 8, 1934, Serial No. 752,166
In Great Britain December 1, 1933
10 Claims. (Cl. 207—2)



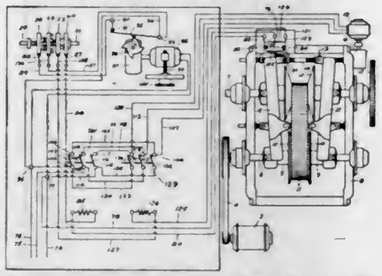
8. Apparatus for extruding pipes, sheaths or the like of hollow section or rods or the like of solid section from metal, including stationary concentric inner and outer cylindrical members, the members being radially spaced from each other, an intermediate rotatable impeller sleeve having its forward portion provided on its inner and outer surfaces with helical threads both having the same hand, the rear portion of the sleeve being unthreaded and fitting closely against the rear confronting faces of the inner and outer members, both of said members on their faces confronting the screw threaded portion of the impeller having longitudinally extending smooth surfaces, the threads of the impeller being in contact with the said surfaces, and a die disposed upon the forward end of the outer cylindrical member and in operative relationship with said sleeve, the outer cylindrical member having an inlet port for molten metal rearward of the threaded portion of the sleeve but adjacent thereto.

2,076,201
PROCESS FOR THE POLYMERIZATION OF UNSATURATED HYDROCARBONS
Siegfried Leonard Langedijk and Adrianus Johannes van Peski, Amsterdam, Netherlands, assignors, by mesne assignments, to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Original application April 7, 1931, Serial No. 528,454. Divided and this application June 19, 1935, Serial No. 27,374. In Great Britain April 29, 1930
7 Claims. (Cl. 196—10)

3. A process for the refining of hydrocarbon oils which comprises subjecting such hydrocarbons while in heated vaporous condition to the action of a double salt of aluminum chloride and a chloride of another metal in molecularly equivalent proportions.

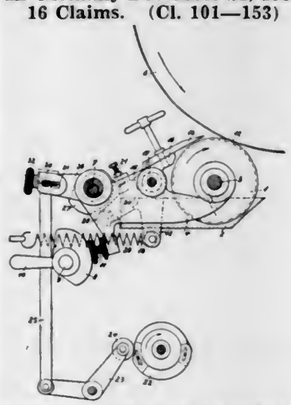
7. In the process for the polymerization of normally fluid polymerizable unsaturated hydrocarbons the step of subjecting said hydrocarbons at a temperature not substantially above 120° C. to the catalytic polymerizing action of a double salt of an active inorganic halide of an amphoteric metal and another inorganic halide of a non-amphoteric metal in molecularly equivalent proportions.

2,076,202
SPEED SYNCHRONIZING DEVICE
Darcy E. Lewellen and Emmons F. Lewellen, Columbus, Ind.
Application November 13, 1934, Serial No. 752,848
25 Claims. (Cl. 172—293)



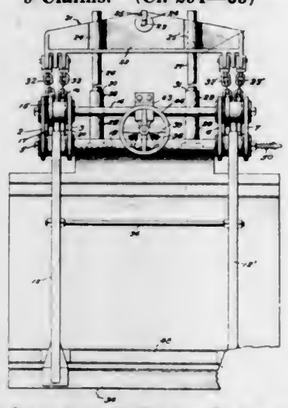
16. In combination, a pair of mechanically disconnected driven shafts to be synchronized, synchronizing switch means connected between said shafts, adjustable mechanical variable speed transmission means connected to one of said shafts and having a movable speed-varying member adapted to adjust said transmission to a multiplicity of speeds, and electrical means for varying the adjustment of said transmission speed-varying member, said synchronizing switch means being arranged in circuit to energize said electrical adjusting means responsive to the departure of said shafts from synchronism.

2,076,203
PHOTOGRAVURE PLATE PRINTING PRESS
Willy Mailänder, Stuttgart-Bad Cannstatt, Germany
Application May 9, 1935, Serial No. 20,696
In Germany December 21, 1934
16 Claims. (Cl. 101—153)



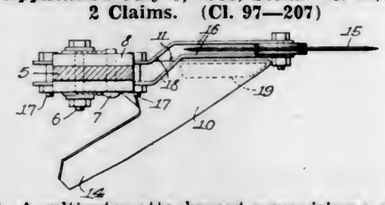
1. A process of inking a photogravure plate from a fountain roller comprising maintaining an accumulation of ink at the line of cooperation between the fountain roller and the plate, applying ink progressively over the plate from said accumulation, and stopping the feed of ink to the accumulation at such an instant during the application of ink to the plate that the accumulation will be used up in completing the inking of the plate.

2,076,204
BRICK GRAB
James P. Martin, Lancaster, Pa., assignor to Lancaster Iron Works, Lancaster, Pa., a corporation of Pennsylvania
Application April 14, 1936, Serial No. 74,381
9 Claims. (Cl. 294—63)



1. A brick grab including a frame, grip jaws pivoted to the frame, levers pivoted to said frame, means connecting said levers and jaws to swing the free ends of said jaws toward and away from each other, a lifting head having bores therethrough, flexible means connecting said head to said levers, and guide means fixed to said frame and slidable in said bores to prevent rotation of the head relative to the frame.

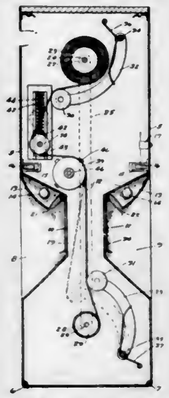
2,076,205
CULTIVATOR STANDARD
Thomas H. Mayfield, Roby, Tex.
Application July 3, 1936, Serial No. 88,881
2 Claims. (Cl. 97—207)



1. A cultivator attachment comprising a shank, a cultivator blade mounted on the shank, arms extending forwardly from the shank, a coulter mounted between the arms at the forward ends of the arms, said arms being offset with reference to the shank, whereby the coulter operates in lateral spaced relation with the blade to cut material in advance of the blade.

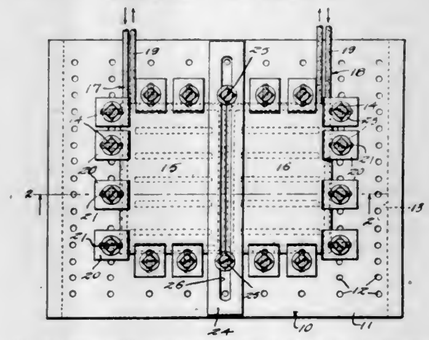
2,076,206
STATION ANNOUNCER AND ADVERTISING MEDIUM
Anton Partman and Andrew Plihcik, Jr., New York, N. Y.
Application October 17, 1935, Serial No. 45,462
20 Claims. (Cl. 40—59)

1. A station indicating device comprising a casing adapted to be installed in cars, windows in the sides of the casing, a band adapted to move upward and downward between the windows with indicia thereon adapted to be exposed through the windows, a roller in the upper part of the casing upon which the upper end of the band is mounted, another roller in the lower part of the casing upon which the lower end of the band is mounted, a continuous belt passing over said rollers causing both rollers to rotate together, a feed roller positioned substantially midway between the upper and lower rollers and over which



the band passes, said feed roller adapted to draw the band from one roller and feed it to the other, a relay adapted to operate said feed roller a distance equal to the distance between indicia on said band and means closing a circuit to operate said relay as a car upon which the device is mounted passes over a certain point in a track.

2,076,207
DISTORTION CHECK FOR WELDING APPARATUS
Laurence C. Powell, Portsmouth, Va.
Application January 28, 1936, Serial No. 61,255
4 Claims. (Cl. 113—99)

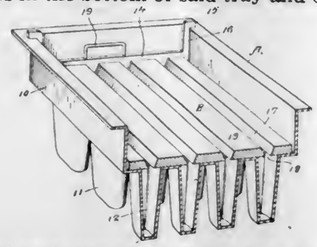


4. A welding device comprising a supporting member for supporting an article to be welded, clamping means for holding the article to be welded on the member, and means adapted to be interposed between the article to be welded and said member for cooling the article during the welding thereof.

2,076,208
FREEZING TRAY
Herbert H. Richter, Houston, Tex.
Application May 18, 1936, Serial No. 80,426
3 Claims. (Cl. 62—108.5)

1. The combination of a tray having pockets in its bottom and fully open at its top, a flat rack fitting said tray and having slats spaced from

each other to provide slots registering with the pockets in the bottom of said tray and end pieces



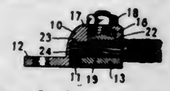
for said rack, the edges of the slats at the slots therebetween being reversely beveled.

2,076,209

SOLDERLESS WIRE CONNECTER

Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application July 1, 1933, Serial No. 678,623
8 Claims. (Cl. 173—269)



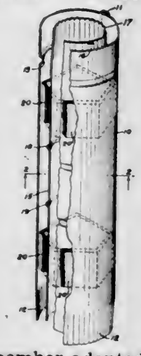
1. A solderless electrical connecter comprising a metallic housing having a recess open at its lower face and provided with a single end entrance opening and a top passage and closed at the sides and having an abutment wall opposite the end entrance opening, a metallic clamping member adjustably mounted in said recess and having a threaded stem extending through said passage and having a transversely extending passage through the clamping member adapted to receive the end of a wire inserted through the end entrance opening in the housing and a clamp nut for drawing the clamping member into said recess, the housing adjacent said abutment being open to allow inspection of the position of the inserted end of the clamped wire.

2,076,210

COMPOSITE PIPE CONSTRUCTION

Jacob A. Stadtfeld, San Francisco, Calif., assignor to Williams-Wallace Company, a corporation of California

Application July 6, 1936, Serial No. 88,936
7 Claims. (Cl. 138—63)



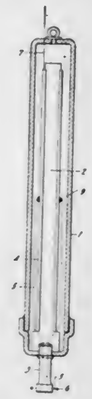
1. A spacing member adapted for insertion between a pair of spaced walls, comprising a polygonal member formed from a plurality of layers of thin asbestos strips impregnated with a cement to form the same into a rigid one-piece whole.

2,076,211

APPARATUS FOR WELL SURVEYING

Alphons Gerard Hubert Straatman, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application January 23, 1935, Serial No. 3,193
In the Netherlands January 25, 1934
5 Claims. (Cl. 73—32)



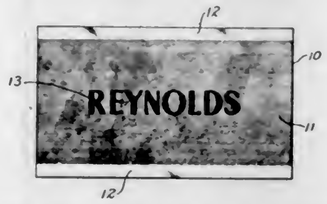
1. An apparatus for surveying subsurface strata traversed by a borehole comprising a metallic element of relatively large heat capacity capable of being lowered into a borehole and of following the general temperature trend of the borehole fluid, means associated with said element and responsive to a difference in temperature between said element and the well liquid surrounding said element, and means cooperating with said temperature responsive means adapted to register said temperature difference.

2,076,212

METALLIC FOIL LABEL AND THE ART OF FORMING SAME

Walter P. Suter, Scarsdale, N. Y., and Richard A. Tice, Louisville, Ky., assignors to Reynolds Metals Company, New York, N. Y., a corporation of Delaware

Application December 20, 1934, Serial No. 758,448
6 Claims. (Cl. 91—67.9)



1. The herein described art of simulating mat finished aluminum foil which consists in applying to the surface of bright aluminum foil an ink composed essentially of lithographic varnish and alumina hydroxide or its equivalent.

2,076,213

PRODUCTION OF ALCOHOLS

Gerald Henry van de Griendt, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 17, 1936, Serial No. 85,713
15 Claims. (Cl. 260—156)

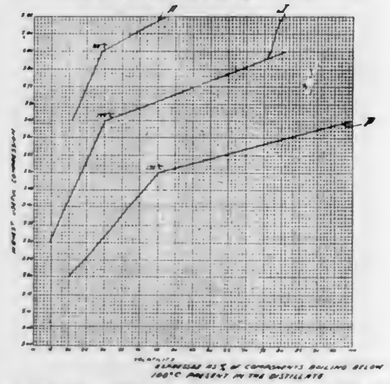
1. A process for hydrolyzing the absorbed olefine content of an acid liquor in a substantially closed unit which comprises heating the acid liquor with water under acid conditions while avoiding distillation and maintaining a pressure greater than the partial pressure of the absorbed olefine content in the hydrolyzing unit during hydrolysis and a temperature below the critical temperature of the olefine.

2,076,214

PROCESS FOR MANUFACTURING GASOLINE BY DISTILLATION

Johannes Hendrik Willem Rost van Tonningen, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application October 29, 1934, Serial No. 750,545
In the Netherlands November 8, 1933
2 Claims. (Cl. 196—71)



1. In the process of manufacturing a straight-run gasoline having a relatively high anti-knock rating from a mineral oil containing gasoline components, boiling below 100° C. the steps of distilling a sample of the oil, determining at relatively close intervals the values of the highest useful compression ratio of the accumulating distillate, forming a curve by plotting these values against the corresponding values of the volatility of the distillate expressed as % thereof distilled at 100° C., locating on said curve a break occurring in its slope and corresponding to the critical point after which the highest useful compression ratio begins to decrease at a relatively rapid rate for any subsequent decrease of volatility, and then subjecting said mineral oil to fractional distillation to separate therefrom a gasoline-type distillate having a volatility approximately corresponding to said critical point.

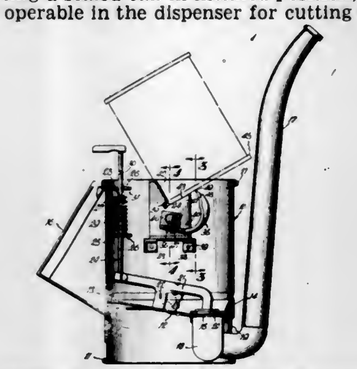
2,076,215

CAN OPENING DEVICE

Frank C. Woelfer, Jr., Cincinnati, Ohio, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a corporation of Ohio

Application June 9, 1936, Serial No. 84,320
14 Claims. (Cl. 221—23)

1. A dispenser for oil or the like, comprising, a receptacle, a support in the upper end of the receptacle incorporating supporting surfaces for mounting a sealed can in inclined position, and a knife operable in the dispenser for cutting across



the lowermost portion of the can including the bottom and a side surface thereof and a portion of the seam.

2,076,216

ELECTRIC INDUCTION FURNACE

James R. Wyatt, Camden, N. J., assignor to Ajax Electric Furnace Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application March 10, 1933, Serial No. 660,202
6 Claims. (Cl. 13—29)

1. In an electric induction furnace, walls forming a holder for a molten metallic charge, walls forming a single-conduit submerged channel having converging branches each communicating at one end with the holder and meeting in an angle whose point is directed away from the holder at the other end, a closed magnetic circuit surrounding the point of meeting of the branches and a transformer coil comprising the sole energizing means for the magnetic circuit, located between the said converging branches and effective to set up lines of magnetic force in the magnetic circuit having a maximum at the angle.

2,076,217

CARBOXYLIC ACID AMIDES OF SULPHONATED AROMATIC CARBOXYLIC ACIDS AND PROCESS OF MAKING SAME

Otto Albrecht, Basel, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application April 20, 1936, Serial No. 75,494. In Switzerland April 27, 1935
18 Claims. (Cl. 260—124)

10. The carboxylic acid amides of aromatic sulphocarboxylic acids of the benzene series which contain at least one sulphonic acid group in a meta-position to a carboxylic group with amines

containing more than two carbon atoms, which products, in the form of their dried alkali salts, constitute powders which easily dissolve in water, and which, when heated with hydrochloric acid, are split up into an aromatic sulphocarboxylic acid of the benzene series and hydrochlorides of amines containing more than two carbon atoms.

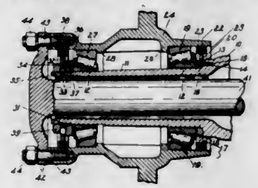
2,076,218

SEALING DEVICE FOR RELATIVELY ROTATABLE PARTS

Herbert W. Alden, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application January 22, 1934, Serial No. 707,836

4 Claims. (Cl. 308—187.1)



1. In a journal construction, an elongated hollow cylindrical support, said support adapted to be stationarily mounted upon a vehicle or the like, a wheel structure having an elongated cylindrical portion fitting over, but spaced from said support, an anti-friction bearing disposed between said support and said wheel portion and comprising an inner race closely fitting over said support and an outer race closely fitting into said wheel structure, an axle shaft extending through said support and connected to said wheel structure, a nut threaded onto said support and abutting the inner race of said bearing, a second nut threaded onto said support, and a combined fluid seal and nut locking assembly clamped between said nuts, said assembly comprising a sealing member which frictionally cooperates with the inner surface of said wheel structure in static, fluid sealing engagement therewith.

2,076,219

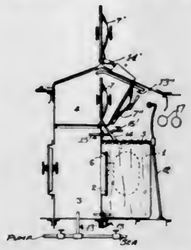
MEANS FOR FACILITATING ESCAPE FROM SUBMERGED CRAFT

Angelo Belloni, La Spezia, Italy

Application April 9, 1936, Serial No. 73,569

In Italy May 3, 1935

6 Claims. (Cl. 114—16.6)



1. Apparatus for facilitating escape from a submerged vessel, comprising a hatchway in the vessel having upper and lower chambers, a door between the hatchway chambers, a refuge compartment in the vessel, a collapsible tank in the refuge compartment, a water-tight door in the side of the lower hatchway chamber, said door providing communication between said chamber and the tank and being operable from inside the tank, and means for flooding said tank and lower hatchway chamber.

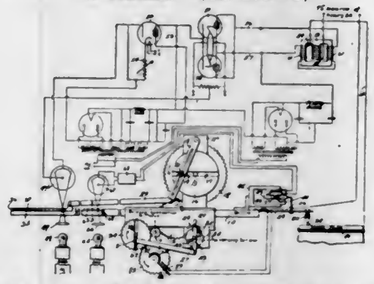
2,076,220

METHOD OF AND MEANS FOR PRODUCING PRINTING PLATES

Joseph A. Bennett, Bloomington, Ind.

Application February 3, 1934, Serial No. 709,633

8 Claims. (Cl. 178—5)



1. In a mechanism for producing printing plates, a suitable subject, means for scanning the subject, a photo-electric cell of the exciter type, a stylus, means for traversing the stylus across the face of the printing plate, means for rapidly reciprocating the stylus to and from the face of the plate at uniform spaced intervals, an amplifying system amplifying the voltage produced by the photo-cell and including a screen grid tube having a grid connected to the photo-cell and having its screen connected to a power pack, and means for impressing the positive and varying voltage of the photo-cell on the control grid thereof, a pair of screen grid tubes disposed in parallel and having their grid circuits connected to the plate circuit of the first named tube, a resistor common to the plate circuit of the first named tube and the grid circuits of the second named tubes, a circuit including the plate and stylus and connected to a source of direct current having a constant maximum value during each period of contact of the stylus and plate, a modulator having a core formed with a central leg and a coil surrounding the central leg and connected to the plate, stylus and said source of direct current, the core having lateral legs, and coils surrounding the lateral legs and coupled in aiding relation, and means for supplying voltage to the last named pair of tubes by said coils.

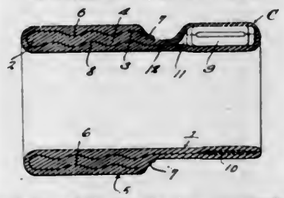
2,076,221

WATCH PROTECTOR

Joseph W. Bradbury, Manchester, N. H.

Application August 28, 1936, Serial No. 98,391

6 Claims. (Cl. 58—105)



1. A wrist watch protector comprising a cuff made of a tube of resilient material, the tube including a body having an end portion turned inside out to overlie the body and form an annular wrist watch compartment at one extremity of the cuff, said end portion gripping the body to close the inner end of the compartment.

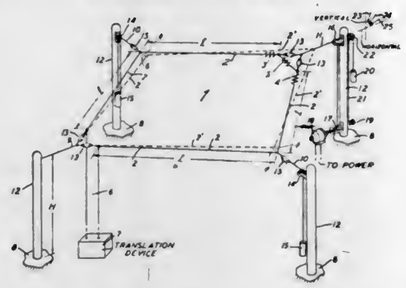
2,076,222

DIRECTIVE RADIO SYSTEM

Edmond Bruce, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 16, 1933, Serial No. 685,340

22 Claims. (Cl. 250—11)



14. In a radio system, a directive rhombic antenna, each leg of which is approximately a half wave-length longer than its projection on the path of propagation, and means for simultaneously and similarly changing its side apex angles.

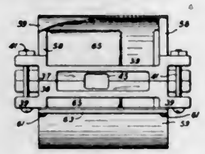
2,076,223

APPARATUS FOR SPLICING CABLE

James W. Channell, Southgate, Calif.

Original application April 24, 1934, Serial No. 722,064. Divided and this application December 26, 1935, Serial No. 56,201

3 Claims. (Cl. 22—116)



1. A mold for making joints in metallic sheathed cable comprising a pair of members secured together at their ends, a central bore formed by said members and extending the entire length of said mold, an orifice extending through the wall of said bore for the introduction of molten material, a band of flexible material surrounding the outer wall of said bore and spaced therefrom by flanges thereon to provide a chamber therebetween, said chamber extending the entire length of said bore, and an opening in said outer chamber for the admittance of a second molten material.

2,076,224

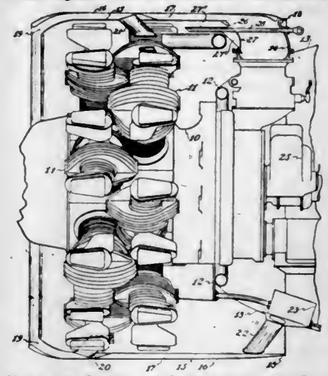
ENGINE COWLING

Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y., a corporation of New York

Application February 14, 1934, Serial No. 711,163

9 Claims. (Cl. 123—171)

1. In combination with a radial engine requiring cooling air flow directed to a plurality of points thereon, a pair of annularly spaced ring cowls encircling the engine at the outer cylinder ends, said cowls lying adjacent one another and being joined at their rear edges and being spaced at their forward edges to provide an air containing and entrance annulus, and a duct opening into the space between said cowls for directing cooling air from said space toward a portion of said engine.



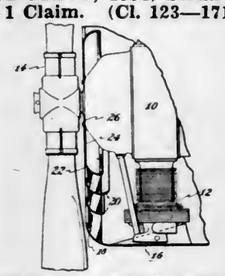
2,076,225

ENGINE COOLING AND COWLING

Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y., a corporation of New York

Application June 1, 1934, Serial No. 728,480

1 Claim. (Cl. 123—171)



In combination, a radial cylinder engine, a propeller mounted thereon and producing more nearly radial than axial air flow toward the center thereof, a plurality of concentric annular members arranged in coplanar relation between said engine and the propeller, each said member comprising a ring having a leading edge inturned so that a tangent thereto in the axial plane is more nearly radial than axial, said tangent being substantially parallel to the local air flow at the respective leading edges, and a circumscribing ring cowl having an inturned leading edge and a rearward substantially cylindrical portion embracing the engine, the leading edges of said cowl and annular members being coplanar, and said members being axially coextensive with the inturned leading edge portion only of said ring cowl.

2,076,226

OIL ENGINE

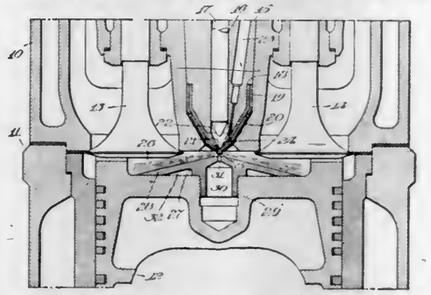
Clessie L. Cummins, Columbus, Ind., assignor to Oil Engine Development Company, Columbus, Ind., a corporation of Indiana

Application February 6, 1936, Serial No. 62,566

3 Claims. (Cl. 123—30)

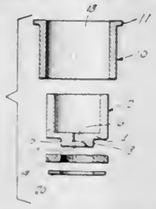
1. In an oil burning engine, the combination of a cylinder, a piston operable therein, a fuel injector adapted to project the fuel in a conical

spray across the combustion chamber of the cylinder, and a separate member substantially covering the head of the piston and carried thereby to form one wall of the chamber, the chamber surface of the member being substantially parallel to the adjacent side of the fuel spray to provide for a sweeping movement of the nearest



portion of the spray across the surface when the piston is substantially at the end of its compression stroke and the member closely contacting the piston head in limited areas and being otherwise spaced therefrom to form dead air spaces whereby the chamber surface is maintained sufficiently hot to promote the vaporization and combustion of fuel particles that may contact the same.

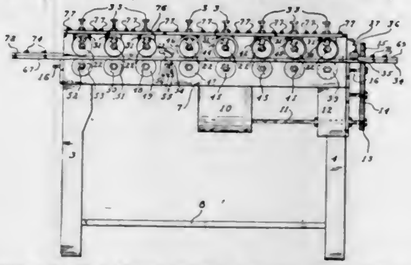
2,076,227
VALVE
Walter Czarnecki, Eddington, Pa., assignor to Eddington Metal Specialty Co., Eddington, Pa., a corporation of Pennsylvania
Application March 23, 1936, Serial No. 70,271
3 Claims. (Cl. 251—167)



1. A sleeve and piston assembly of the character described, comprising a sleeve, a hollow piston having a head at one end slidable in the sleeve, said head being thickened centrally thereof to provide a cylindrical extension, the outer face of the thickened portion of the head being formed with a valve seat, a fibrous gasket disposed about said cylindrical extension, and means for maintaining the gasket assembled on the head of the piston.

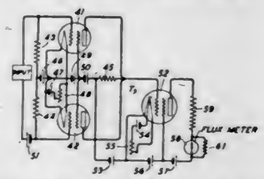
2,076,228
MACHINE FOR CRIMPING METAL
John E. Dressing, St. Louis, Mo.
Application August 15, 1935, Serial No. 36,355
2 Claims. (Cl. 153—3)

1. The herein-described means for shaping sheet metal, consisting of means for slightly creasing the sheet metal, the said means having a groove and a beveled roller placed immediately above the said groove, shaping means operating under power, consisting of a male and female shaper adapted to impart to the sheet metal a shallow V-shaped groove, shaping means also under power, consisting of a male and female shaper adapted to impart a deeper V-shaped groove, shaping means also under power, consisting of a male and female shaper adapted to impart a still deeper V-shaped groove, shaping means also under power, consisting of a male and female shaper adapted to impart a still deeper V-shaped groove, shaping means also under power, consisting of a male and female shaper adapted to impart a substantially U-shaped groove, a set of shapers consisting of two rollers with vertically mounted axis, and a flanged roller with its axis horizontally mounted, the said set of shapers and roller adapted to impart a substantially loop-shape to the U-shaped groove, two shaping members also operating under power, comprising a grooved member and a member adapted to force the sheet metal into the said groove thereby im-



parting to the sheet metal a form of a substantially U-shape on an inclined plane, and continuing to form a partially inverted V-shape, two shaping members also operating under power, comprising a grooved member and a member adapted to force the sheet metal into the said groove, thereby imparting to the sheet metal a form comprising a horizontal member, continuing to form an inclined member, continuing to form a close-lipped, U-shaped member, thence continuing to form a wide-lipped, U-shaped member, two shaping members also operating under power, comprising a grooved member, and a member adapted to force the sheet metal into the said groove, thereby imparting to the sheet metal the finished form, and suitable means of power to operate the above-mentioned shapers.

2,076,229
WAVE SHAPING SYSTEM
Hugh K. Dunn, Bellerose, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 31, 1934, Serial No. 728,402
5 Claims. (Cl. 178—69)



4. A system for producing an alternating voltage having a square-top wave form comprising two space discharge devices in push-pull relation, an output circuit connected to said devices, each of said devices comprising a cathode, an anode, a control electrode and an auxiliary electrode, means for maintaining said auxiliary electrode at a potential different from the potential of said anode and said control electrode and a large impedance in each of said output circuits.

2,076,230
INSULATED MAGNETIC CORE AND METHOD OF MAKING INSULATED MAGNETIC CORES
Randall Gillis, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 14, 1933, Serial No. 702,289
6 Claims. (Cl. 175—21)



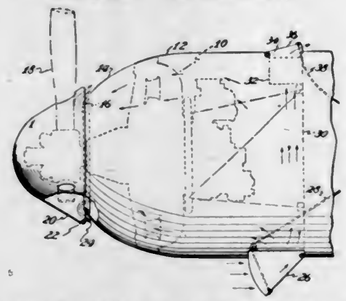
1. A method of making magnetic cores by pressing individually insulated magnetic particles into a mass, applying an additional ceramic envelop around the formed mass of magnetic material, and applying heat to fuse the ceramic envelop and anneal the magnetic particles.

2,076,231
ELECTRIC LOCOMOTIVE BED FRAME
Harry Glaenzer, Philadelphia, Pa., and Lawrence L. Neebe, Woodbury, N. J.
Application December 12, 1934, Serial No. 757,183
20 Claims. (Cl. 105—415)



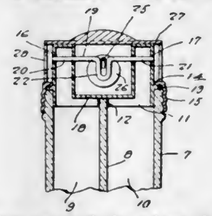
1. An integrally cast bed frame for electric locomotives comprising, in combination, a pair of outer girders of box section, and an intermediate girder also of box section, said outer and intermediate girders having common walls extending for substantially the entire length of the frame.

2,076,232
ENGINE COWLING AND COOLING
Willard B. Goodman and Wesley L. Losson, Passaic, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application June 11, 1935, Serial No. 25,983
4 Claims. (Cl. 123—171)



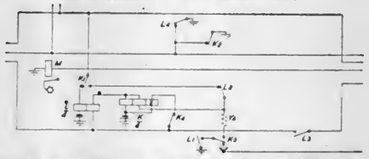
1. In an airplane, in combination, a cowling, an engine wholly enclosed thereby, an air entrance scoop in said cowling rearward of said engine, an annular rearwardly facing air exit opening in said cowling forward of said engine, an engine accessory adapted to be cooled by air, within said cowling and rearward of said engine, said accessory lying close to said cowling, the latter having an opening adjacent said accessory to permit of the flow of air therethrough, and adjustable cover means for said opening by which the air flow past said accessory may be controlled independently of the air flow past said engine, said engine and accessory both receiving air from said air entrance scoop.

2,076,233
SHAKER CAP
John J. Grantonic, Mingo Junction, Ohio, assignor of twenty-five per cent to Frank McLister, Mingo Junction, Ohio
Application April 28, 1936, Serial No. 76,829
3 Claims. (Cl. 65—45)



1. A closing cap of the class described including a rim portion having diametrically opposite discharge ports, a slidable rod having valving nibs projecting into and closing said ports, oscillatory valve control means mounted in said cap, and including a rocker shaft and eccentric weights of a gravity controlled type carried by said shaft.

2,076,234
TELEPHONE SYSTEM
George Clifford Hartley and William John Reynolds, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 28, 1935, Serial No. 8,606
In South Africa March 29, 1934
15 Claims. (Cl. 179—17)

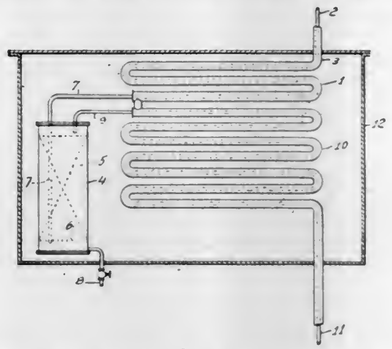


1. In a telephone system, an exchange, two types of subscribers' lines terminating in said exchange and arranged for different types of signaling, current feed equipment at said exchange, and means responsive to a subscriber of either type of line calling the exchange for establishing a connection from said current feed equipment to the calling subscriber's line to permit the particular type of signaling required for the calling line to become effective at the exchange.

2,076,235
GAS PURIFICATION
John W. Hayes and Alois J. Kallfelz, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application October 21, 1933, Serial No. 694,605
3 Claims. (Cl. 62—175.5)

1. The method of preparing liquid chlorine at substantially atmospheric pressure, which comprises cooling a stream of chlorine gas to a temperature between —20° C. and —32° C., passing

the cooled gas stream through a liquid separating chamber, and further cooling the resultant



purified gas stream to a temperature below about −40° C. at said pressure.

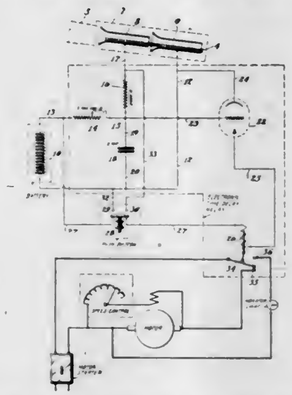
2,076,236

SYSTEM FOR AUTOMATIC COIL WINDING MACHINES

Gilbert C. Holloway, Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 29, 1933, Serial No. 668,533

5 Claims. (Cl. 177—311)



1. The combination with a coil winding machine for winding a filamentary wire into helically formed sections and intermittently discharging the same at a uniform rate, of means for discharging said helically formed sections from said machine in a predetermined path, and means provided with a portion thereof disposed in the path of discharge of said helically formed sections and intermittently contacted by said sections during discharge thereof and operable in response to a cessation of discharge of said helically formed sections for an abnormal period of time to cause a cessation of the operation of said machine.

5. The combination with a coil winding machine for winding a filamentary wire into helically formed sections and intermittently discharging the same at a uniform rate, of means for successively discharging said helically formed sections from said machine in a predetermined path, means disposed in the path of discharge of said helically formed sections and intermittently contacted thereby during their discharge through said predetermined path, an electrical circuit connected to said last mentioned means including a source of electrical energy and a condenser charged by said source and operable to discharge its accumulated energy through said helically formed sections as the latter intermittently contact said last mentioned means at a uniform rate during discharge from said machine, a second electrical circuit including a relay connected to a source of motive power for said machine and a discharge device connected to said condenser and energized by discharge thereof upon a cessation of discharge of said helically formed sections for an abnormal period of time to cause current flow in said second mentioned circuit with attendant energization of said relay and interruption to the source of motive power for said machine, and a cessation of operation of the latter, and a third electrical circuit adapted to be completed by operation of said relay simultaneously with the interruption of the source of motive power for said machine to give an indication to an operator of a cessation of operation of said machine.

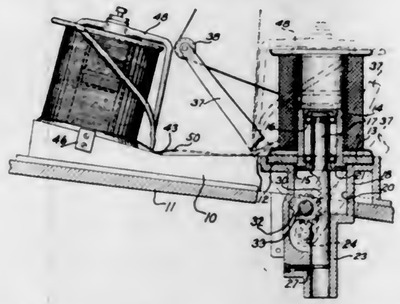
2,076,237

METHOD OF AND APPARATUS FOR HANDLING STRAND MATERIAL

Helgo W. Jespersen, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 10, 1935, Serial No. 1,163

9 Claims. (Cl. 242—128)



1. A method of taking material from supply spools, which comprises rotating a supply spool while withdrawing a portion of the material therefrom without revolving the material about the spool, then holding the spool stationary while unwinding another portion of the material therefrom by revolving the same about the spool, and connecting the inner end of the material on said spool to the outer end of the material on another spool while said remaining material is unwound from the first spool.

4. In an apparatus for handling strand material, normally freely rotatable strand supply supporting means movable into two positions, said supporting means being free to be rotated in one of said positions by the withdrawal in a straight line of strand material from a supply mounted thereon, means for preventing rotation of said supporting means in the other of said positions, and rotatable means for unwinding strand material from said supply by revolving the material about the supply when said supporting means is in said latter position.

2,076,238

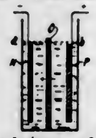
METHOD OF CHARGING THE ELECTRIC ACCUMULATORS OF LEAD HAVING SLIGHT LOCAL ACTIONS

Lucien Jules Jumau, Paris, France, assignor to Compagnie Generale d'Electricite, Paris, France

Application March 23, 1936, Serial No. 70,380

In Germany April 15, 1935

1 Claim. (Cl. 136—32)



In electric accumulators of lead with positive plates constituted by a lead alloy, the method of charging the elements comprising the following steps, first introducing between the electrodes of each element a solid plate of soft lead of the internal form of the accumulator box and the upper part of which extends above the level of the electrolyte, applying a charging potential to the electrodes, and then withdrawing the intermediate plate from each element after the completion of the charging process.

2,076,239

TROLLEY ROLLER

Alexis W. Lemmon, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application September 12, 1934, Serial No. 743,737

9 Claims. (Cl. 308—190)

1. In a trolley roller assembly, the combination with a trolley roller having an axial recess opening at one side thereof and forming an outer race, of an inner race comprising a pair of separable cones, non-friction bearing means carried between said inner and outer races, and means for substantially closing said recess opening comprising a ring integral with one of said separable cones.

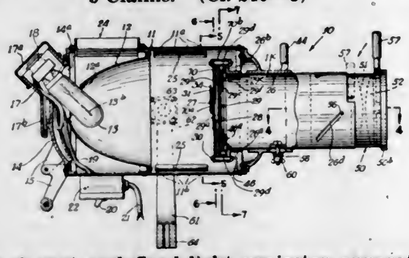
2,076,240

SPOT AND FLOODLIGHT PROJECTOR APPARATUS

Joseph Levy, New York, N. Y., assignor to Century Lighting Equipment, Inc., New York, N. Y., a corporation of New York

Application October 25, 1934, Serial No. 749,877

3 Claims. (Cl. 240—3)



2. A spot and flood-light projector apparatus including a hood, a tube extending into and from an end of said hood, and a unitary organization mounted on the inner end of the tube and comprising an apertured plate, a set of vertically movable framing shutters mounted on one side of said plate, a set of horizontally movable framing shutters mounted on the other side of said plate in cooperative relation to said vertically movable shutters, and control means extending outwardly from said tube and forwardly of said hood for moving each of said set of framing shutters.

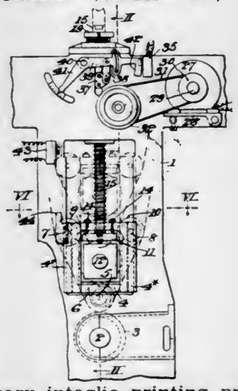
2,076,241

ROTARY PRINTING PRESS

Hans J. Luehrs, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Application April 3, 1935, Serial No. 14,385

6 Claims. (Cl. 101—247)



6. In a rotary intaglio printing press, a design cylinder, a main sliding head, an impression roll carried thereby, an auxiliary head having a limited sliding movement in the main head, and means for bringing the impression roll into coaction with the design cylinder comprising non-rotatable impression screws carried by the auxiliary head, wide faced helical gears threaded on the impression screws, springs yieldingly holding the impression screw gears at the limits of their downward movements and a motor driven shaft having worm gears meshing with the impression screw gears, said worm gear drive providing a reduced ratio as the impression screw gears are moved upwardly against the pressure of their springs.

2,076,242

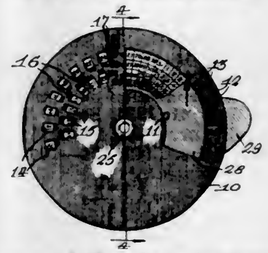
PERIOD COMPUTING DEVICE

Joseph A. Marquis, Quebec, Quebec, Canada

Application March 12, 1935, Serial No. 10,593

In Canada September 18, 1934

2 Claims. (Cl. 40—115)



1. A device of the character described comprising a front disc provided with a relatively large arcuate opening and a plurality of arcuately spaced small apertures, the said apertures being identified by consecutive numerals correspond-

ing to various cycles, a rear disc connected with and rotatable relative to the front disc, the inner face of the said rear disc having marked thereon concentrically arranged arcuate spaces consecutively numbered in correspondence with days of the month, the said rear disc being movable to arrange selected numerals thereon in registration with a given aperture in the front disc so as to exhibit through the large opening in the front disc the days constituting the fertile period of the cycle, and means rotatable with the discs and adapted to compensate for irregularities in the menstrual cycle by obscuring portions of the rear disc appearing through the front disc large opening.

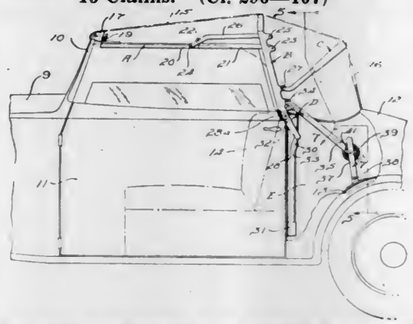
2,076,243

COLLAPSIBLE TOP FOR AUTOMOBILES

William Marshall and Donald A. Fryer, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application September 8, 1932, Serial No. 632,206

15 Claims. (Cl. 296—107)



1. In an automobile body having a rear compartment within the body and transversely spaced upright pillars at the forward side of the compartment forming the margins of door openings, vertical guide channels carried by the pillars, a foldable top including a main upright bow having side members provided with stop devices adjacent but spaced from the lower ends thereof, said side members being rearwardly tiltable at an angle to said channels and out of alinement therewith whereby said devices and ends slidably engage opposite sides of the channels to maintain the top in upright position when guided vertically into the compartment, and seats located out of the path and forwardly of the upper ends of said channels and forming mountings for said devices when the top is raised.

2,076,244

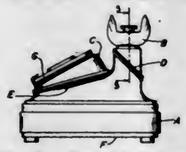
TELEPHONE SET

Ernest S. McLarn, Manhasset, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 21, 1934, Serial No. 736,286

In France April 18, 1934

10 Claims. (Cl. 179—100)



3. A mounting for hand telephones, comprising a casing and a cradle member separate from said casing, said casing and said cradle member having cooperating seating surfaces disposed obliquely to axes of said casing and said cradle member.

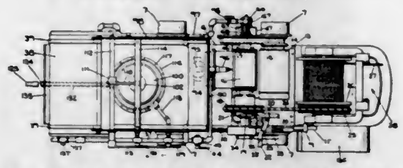
2,076,245

TAMPING MACHINE

Ernst F. Muller, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application September 20, 1933, Serial No. 690,181

3 Claims. (Cl. 105—27)



1. In a truck mounted tamping apparatus, the combination with a truck adapted to travel on a mine track, of an air compressor on said truck comprising a shaft, a motor for driving said compressor and said truck, a clutch adjacent one end of said shaft for connecting said motor thereto, and a clutch adjacent the other end of said shaft for connecting said shaft to a wheel of the truck.

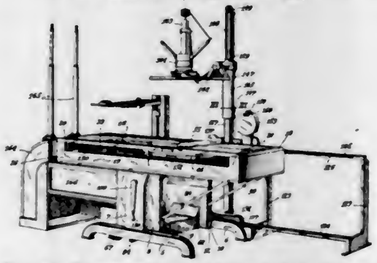
2,076,246

X-RAY TILT TABLE

Albert C. Nelson, Flushing, N. Y., assignor to Westinghouse X-Ray Company, Inc., a corporation

Application December 30, 1933, Serial No. 704,633

3 Claims. (Cl. 250—34)



1. In an X-ray examination table, the combination of a hollow base member provided with a pair of upright portions, a hollow frame rotatably supported by the upright portions of said hollow base member and provided with an X-ray translucent table top secured thereto, means connected to said hollow frame for causing rotation thereof, a radiographic carriage carried by said frame member and movable longitudinally thereof, indicating means carried by said frame member for recording the longitudinal position of said radiographic carriage, an X-ray tube column having an X-ray tube pivotally and adjustably secured thereto disposed adjacent said table and independently supported upon an auxiliary standard in fixed relation to said table and movable longitudinally of said auxiliary standard, means operable to exactly center said tube column and X-ray tube over said radiographic carriage including an indicating meter operable upon movement of said tube column for recording its longitudinal position in order that the recordation of said indicating meter may be made to correspond with the recordation of the position of said radiographic carriage, and mechanism encased within said hollow base member and connected to said first mentioned means and operable to cause operation of the latter with attendant rotation of said hollow frame and table top to various angular positions.

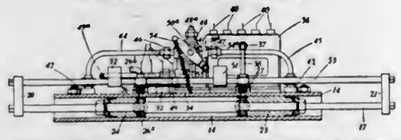
2,076,247

CONTROLLING DEVICE FOR OPERATING A PLURALITY OF RECIPROCATING MEMBERS

Arthur Georges Nesfield, Fetcham, Leatherhead, England

Original application March 16, 1933, Serial No. 661,908. Divided and this application May 29, 1935, Serial No. 24,085. In Great Britain March 16, 1932

2 Claims. (Cl. 121—147)



1. Controlling device for operating a plurality of reciprocating members comprising a plurality of double acting hydraulic cylinders and pistons, one of each of said pistons being removably and loosely connected to the end of one of each of said reciprocating members, the respective ends of said hydraulic cylinders being connected to a master control valve itself connected to a source of water supply under pressure whereby said reciprocating members are moved simultaneously in one direction and in associated groups in the reverse direction, the connections between the respective ends of the hydraulic cylinders and master control valve being so arranged that the pressure fluid is simultaneously exhausted from the rear ends of each of said hydraulic cylinders whereby the pistons in all of said cylinders are pushed rearwardly simultaneously by the pressure fluid in the front ends of said cylinders and that said pistons are pushed forwardly in a predetermined sequence by exhausting the pressure fluid from the front ends of associated groups of said cylinders, the pistons in the cylinders of other associated groups being positively held against movement by the pressure fluid.

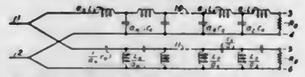
2,076,248

WAVE FILTER

Edward L. Norton, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 16, 1934, Serial No. 740,033

9 Claims. (Cl. 178—44)



6. A wave transmission network comprising a pair of complementary broad-band wave filters connected together at their input ends to a common pair of input terminals, one of said filters having a frequency variable current-voltage characteristic at its input terminals represented by the frequency function

$$\frac{A_0}{1-[F(z)]^2}$$

wherein A_0 is a constant and $F(z)$ is a function of the frequency ratio f/f_0, f_0 being a frequency defining the band limits of the filters, and the other of said filters having a corresponding current-voltage characteristic represented by the frequency function

$$\frac{A_0}{1-\left[\frac{1}{F(z)}\right]^2}$$

whereby the combination has a constant resistive impedance at the common input terminals.

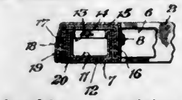
2,076,249

BELT BUCKLE

Helen W. Parke, Sioux Falls, S. Dak.

Application November 6, 1936, Serial No. 109,562

5 Claims. (Cl. 24—163)



4. A belt buckle comprising a frame having a cloth base secured thereover to provide a stitch-receiving member, and a covering consisting of two parts secured together along their inner sides and having one of their outer sides engaging the outer side of the cloth base and the other side folded inwardly upon itself and extending over said first named outer side to conceal its edge and being stitched to the cloth base.

2,076,250

METHOD OF MAKING FERRO-MAGNETIC ALLOYS

Walter E. Remmers and Kenneth L. Scott, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application October 31, 1934, Serial No. 750,749

5 Claims. (Cl. 148—2)

1. A method of making cobalt steel, which comprises compounding a molten charge having from 5% to 40% cobalt, .4% to 1.25% carbon, .05% to 1.5% silicon, .1% to 2.5% manganese, 1.5% to 10.0% chromium, 1.5% to 10.0% tungsten and the balance substantially iron, adding a deoxidizing agent to the charge, casting the molten alloy into ingots, rolling the ingots into bars, and quenching the bars from a temperature above 1500° F.

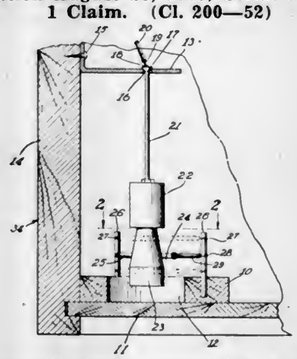
2,076,251

ANTITILTING DEVICE

David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application August 23, 1935, Serial No. 37,424

1 Claim. (Cl. 200—52)



An anti-tilt device comprising a supporting bracket, a pendulum arm supported therefrom for movement in any vertical plane and terminating at its lower extremity in a pendulum head

having a substantially conical surface portion, a plurality of post elements equally spaced about the lower end portion of the pendulum arm and head, a ring-shaped contact member surrounding said pendulum head in the region of its conical surface portion and supported from said post elements by means of spring members attached at one of their respective extremities to the ring and extended radially therefrom for attachment to one of said posts, the latter having a plurality of notches spaced apart in an axial direction, and the said springs each having a terminal loop portion slidable on a said post and into one of said notches.

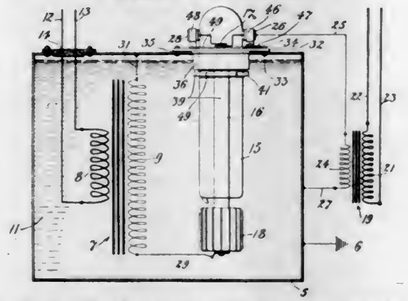
2,076,252

OIL TIGHT FLANGE FOR SHOCKPROOF X-RAY UNITS

Paul Ernest Sacks, Cedar Grove, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 28, 1933, Serial No. 663,136

7 Claims. (Cl. 250—34)



1. In an X-ray apparatus, the combination of a casing provided with a source of high potential electrical energy therein, an insulating and cooling medium enveloping said high potential source, an X-ray tube provided with an evacuated envelope having an anode and cathode therein and energizable by said high tension source, means surrounding the envelope of said tube and secured to said casing to form an oil tight seal therewith, means surrounding the envelope of said tube and engageable with said first mentioned means, and yieldable means interposed between both of said aforementioned means and adapted to be forced into frictional contact with the envelope of said tube and said first mentioned means to form an oil tight seal therewith by the engagement of said second mentioned means with said first mentioned means.

2,076,253

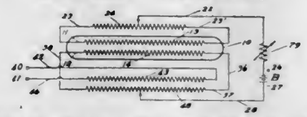
TELEVISION

Charles Selz, New York, N. Y., assignor to Telegralight Corporation, a corporation of New York

Application May 12, 1932, Serial No. 612,075

Renewed June 24, 1936

16 Claims. (Cl. 178—6)



1. Apparatus for use in television, sound-recording, and the like, comprising a discharge lamp having therein a cathode resistance piece, and an anode, means for energizing the lamp to create a spot-field of ionization therein at a point of the cathode, and a circuit comprising a source of alternating current, and of which said cathode-resistance piece forms an element; so that, upon passage of such alternating current through said last-mentioned circuit, and through the cathode-resistance piece, said spot-field of ionization is caused to move along the cathode on each cycle of the current.

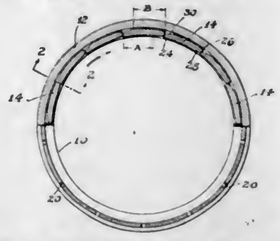
2,076,254

BEARING

Herbert V. Shebat, Little Falls, N. J., assignor, by mesne assignmerts, to The Reed Propeller Co., Inc., Garden City, N. Y., a corporation of New York

Application September 9, 1932, Serial No. 632,343

2 Claims. (Cl. 308—73)



1. A bearing comprising spaced races having opposed bearing surfaces, and a plurality of individually rockable bearing segments lying between said surfaces, each said segment being rotationally floatable and having, on its opposite sides and adjacent to the trailing edge of each said side, a relieved non-bearing portion whereby, in operation, the load pressure distribution on each segment is such that a lesser intensity of pressure is induced at the leading edge of each side of each said segment than is induced at the trailing edge thereof.

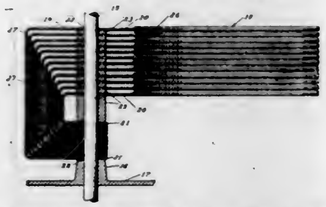
2,076,255

AUTOMATIC PHONOGRAPH APPARATUS

Paul H. Smythe, Jr., Evanston, Ill.

Application October 25, 1935, Serial No. 46,688

6 Claims. (Cl. 211—40)



2. A record carrier mechanism for phonographs including a plurality of superimposed record retaining members having supporting brackets extended therefrom, the said brackets having confronting body members separated by an intervening spacing portion, and concentrically disposed bearing apertures in said confronting members, shaft means through said bearing apertures, the said brackets being radially movable about said shaft means as a common axis and with respect to a common and substantially central point on said shaft, the said brackets being of diminishing size so as to fit and pivot one within the other on said shaft means.

2,076,256

MOUNT FOR WING GUNS

Robert A. Swalm and Carl R. O. P. Heintze, Kenmore, N. Y., assignors, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York

Application August 7, 1933, Serial No. 683,944

4 Claims. (Cl. 89—37)



1. In an aircraft wing, a gun mount adapted to releasably hold a gun within said wing, said wing having an access opening for removal and placement of said gun, a cover for said access opening, and manually operable means for releasing said gun from said mount, said manual means including a member adapted, when said gun is held in said mount, to lie wholly within said wing whereby said cover may be placed over said access opening, said member being adapted to project from said wing when said gun is not held by said manual means, whereby said cover cannot be placed over said opening.

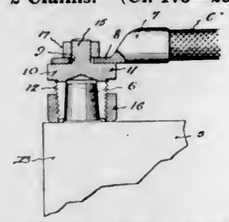
2,076,257

BATTERY CABLE TERMINAL CLAMP

James Vana, Milwaukee, Wis.

Application March 23, 1936, Serial No. 70,347

2 Claims. (Cl. 173—259)



1. The combination with a storage battery including a post and cable terminal for connection therewith, of means for detachably securing the cable terminal to the post including a cap having a depending skirt for receiving the post, the skirt having its outer face tapering toward its lower end, and externally threaded to its extreme lower edge said skirt being provided with longitudinally extending slits, a nut threaded on said skirt for contracting the skirt about the post and for engaging the upper face of the battery and for lifting the cap off the post when the same is turned off the skirt, and means for connecting the cable terminal to the outer face of the cap.

2,076,258

CRANKLESS MOTOR COMPRESSOR

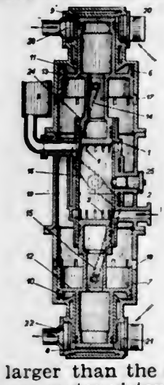
Roman Witkiewicz and Adam Wiciński, Lwow, Poland

Application March 16, 1933, Serial No. 661,194

In Poland March 23, 1932

1 Claim. (Cl. 230—56)

In a crankless motor compressor comprising a motor cylinder, two buffer cylinders mounted coaxially with said motor cylinder one at each side thereof, two compressor cylinders mounted coaxially with said motor cylinder one at each side thereof, and two multiple direct-acting free-flying pistons having parts of different diameters, said pistons being fitted one in each extremity of said motor cylinder, extending into said buffer and compressor cylinders and acting as motor, compressor and buffer pistons in said motor, compressor and buffer cylinders, the combination of two parts of the pistons appertaining to a gas buffer, the active surface of which last-named parts of



the pistons is larger than the active surface of the parts acting as motor pistons, whereby a substantially constant final pressure of the compression in the motor, independently of the load, is attained.

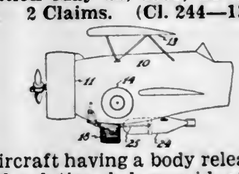
2,076,259

ANTIVIBRATION VANE

Theodore P. Wright, Buffalo, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York

Application May 22, 1935, Serial No. 22,716

2 Claims. (Cl. 244—130)



2. In aircraft having a body releasably mounted in spaced relation below said aircraft, a substantially semi-circular airfoil section vane mounted ahead of the nose of said body for controlling the airflow thereover, and for providing a clearance between the rear of said vane and the nose of said body upon release of the latter.

2,076,260

ICE CREEPER

Edward H. Anshelm, New York, N. Y.

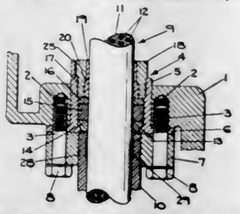
Application August 8, 1936, Serial No. 94,947

1 Claim. (Cl. 36—62)



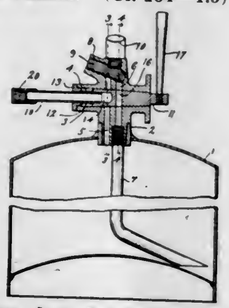
An ice creeper consisting of a tread plate, upturned flanges at the ends of said plate, said flanges having transversely elongated apertures therethrough contiguous the upper surface of the plate, downwardly projecting teeth punched from the plate, rows of upwardly projecting teeth also punched from said plate, said rows of upwardly projecting teeth being spaced a distance approximately equal to the length of the apertures in the flanges to form a channel, and an adjustable strap projecting through the apertures in the flanges with a portion thereof imposed on the upper surface of the tread plate and occupying the channel formed between the rows of upwardly projecting teeth to hold the strap against lateral displacement.

2,076,261
ELECTRICAL CONNECTER
Walter J. Bauroth, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application May 11, 1933, Serial No. 670,529
4 Claims. (Cl. 247—1)



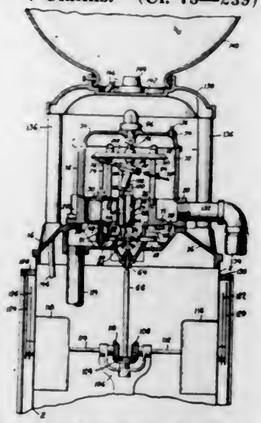
1. A connecter for electrical apparatus comprising the combination with a casing provided with an opening for receiving the connecter, of a bushing closely fitting the opening, a cable passing through the bushing, a plurality of insulating rings between the cable and bushing in tightly interfitting engagement therewith and providing electrical insulation therebetween, a compressible insulating packing between the rings adapted to be compressed into tight frictional engagement with the cable and bushing to form a gas-tight seal between the cable and bushing for preventing access of atmospheric gases around the cable to the interior of the casing, means within the bushing for effecting compression of the packing, an insulating bearing between the cable and the said means, means including a washer through which said cable extends for securing the bushing to the casing, and an insulating sheath intermediate the cable and washer, the washer forming a rigid reinforcement for the cable, preventing bending or deformation thereof, the insulating members between the cable and washer and bushing effectively preventing grounding of the conductors of the cable with the casing.

2,076,262
APPARATUS FOR CLEANING RECEPTACLES
William G. Black, Cleveland, Ohio, assignor, by mesne assignments, of one-half to H. Howe Fisher
Application April 12, 1933, Serial No. 665,687
5 Claims. (Cl. 184—1.5)



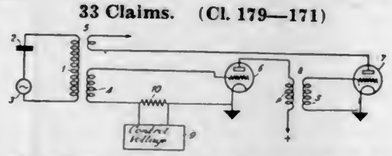
1. Apparatus for cleaning receptacles comprising a tank adapted to contain a cleaning fluid, a coupling secured to said tank having a discharge passageway and a plurality of spaced passages, each of said passages communicating at one end with the interior of said tank and at the other end with said discharge passageway, and a valve having angularly related openings for controlling said passages.

2,076,263
LIQUID DISPENSING DEVICE
Hosmer L. Blum, San Francisco, Calif.
Application May 1, 1933, Serial No. 668,796
7 Claims. (Cl. 73—239)



1. In a liquid dispensing device, a meter comprising a block provided with a plurality of cylinders disposed circularly in said block, a piston in each cylinder, said block having a central opening forming a channel, dome means on and extending above said block and forming a receiving chamber communicating with said channel, means secured on the underside of said block and forming a liquid inlet chamber, said cylinders having each a port opening on the underside of the block, valve means in said inlet chamber controlling said cylinder ports and shiftable to communicate the ports alternately with the inlet chamber and with the channel communicating through the block with said receiving chamber, driving mechanism extending in said receiving chamber and in said channel for interconnecting said pistons with said valve means, said block being formed with an outlet opening communicating with said receiving chamber, and said dome means being transparent to freely reveal the mechanism and liquid within the receiving chamber.

2,076,264
PHASE AND FREQUENCY CONTROL OF OSCILLATIONS
Henri Chireix and Paul Borias, Paris, France, assignors to Compagnie Generale de Telegraphie sans Fil, a corporation of France
Application January 8, 1932, Serial No. 585,489. Renewed May 17, 1935. In France January 10, 1931
33 Claims. (Cl. 179—171)



2. An electric arrangement comprising, an oscillation circuit traversed by alternating current and means for varying the phase of said current, said means including a circuit for selecting and amplifying a part of the current of the oscillation circuit by the aid of at least one thermionic tube containing electrodes, a source of voltage of fixed frequency and an amplitude variable at the rhythm of the desired phase variation, the voltage

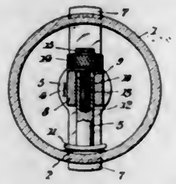
of said source controlling the potential applied to an electrode of the said tube to insure variation of the amplification of said selected current, and means for impressing the amplified current on the oscillation circuit in phase quadrature with respect to the current existing in the oscillation circuit.

2,076,265
LOOSE LEAF BINDER
George H. Dawson, Chicago, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application October 8, 1934, Serial No. 747,274
2 Claims. (Cl. 281—29)



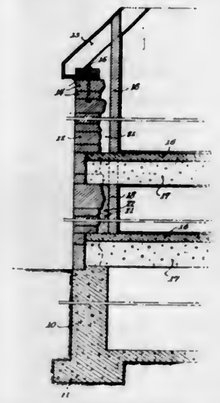
2. In a loose leaf binder, a back plate, a ring metal secured to said back plate, a metal strip secured between said ring metal and said back plate, the edges of said metal strip being spaced from the edges of said back plate, a cover member, and a helically coiled wire hinging said cover to said metal strip, said back plate projecting beyond the outer edge of said helically coiled wire to prevent said wire from marring any surface upon which the binder may be handled.

2,076,266
RAZOR BLADE SHARPENER
John R. Dickey, Media, Pa.
Application May 29, 1935, Serial No. 24,062
2 Claims. (Cl. 51—161)



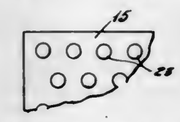
1. A razor blade sharpener comprising a tubular sharpening element, bearing members at the ends thereof, a slotted shaft supported for rotation by said bearing members, a blade holder guided within said slotted shaft and extending radially therefrom to carry a blade against the inner surface of said sharpening element, and a thumb screw accessible through the ends of said sharpening element having a threaded engagement with said blade holder and serving as a means for adjusting the position of said blade holder with relation to the sharpening element, and means on said shaft for preventing axial movement of said thumb screw.

2,076,267
BUILDING CONSTRUCTION
John D. Edwards, Milwaukee, Wis.
Application June 9, 1934, Serial No. 729,771
10 Claims. (Cl. 72—1)



1. In a building construction the combination of a masonry bearing wall, a floor structure directly supported by said masonry wall, and an inner finish wall supported by said floor structure, said inner wall being substantially parallel to and spaced from said outer wall and cooperating therewith to form a heat insulating dampproof double-wall construction.

2,076,268
OVEN SWITCH
Emma E. Engelhardt, Flint, and George A. Nickel, Bay City, Mich.
Application August 13, 1934, Serial No. 739,548
1 Claim. (Cl. 200—140)

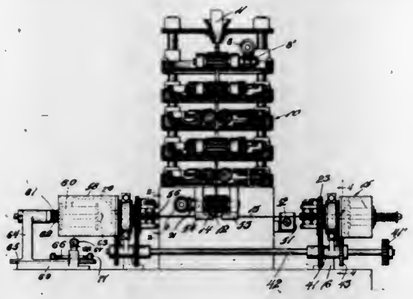


A switch for dough proofing ovens and adapted to be mounted on the outside thereof and to be connected to a heating element and to a source of electrical supply, said switch comprising an insulated bar provided with spaced apart contacts, vertical guides on said bar, and a second insulated bar slidably mounted on said guides, contacts on this second bar, springs interposed between the heads of said guides and the second insulated bar, a thermostat mounted in the oven, and a rod connected to and projecting from said thermostat and having threaded engagement with said second insulated bar for adjusting the position of one bar with relation to the other and for opening or closing said switch as the thermostat is actuated.

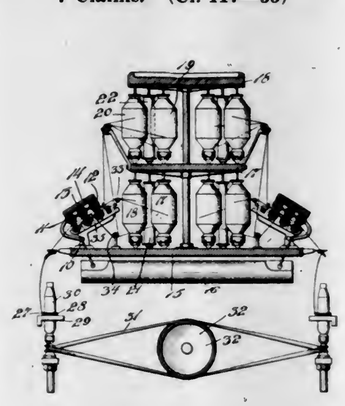
2,076,269
COVERING APPARATUS
Thomas Harris, Providence, R. I., assignor to Harris Textile Machinery Corporation, a corporation of Rhode Island
Application August 22, 1934, Serial No. 740,955
15 Claims. (Cl. 117—40)

1. In a covering apparatus, a pair of carrier frames each having feed rolls, means for driving

the carrier frames at the same rotative speeds and means for driving the feed rolls of the heads at different feeding speeds, whereby to tension the core of the covered material.



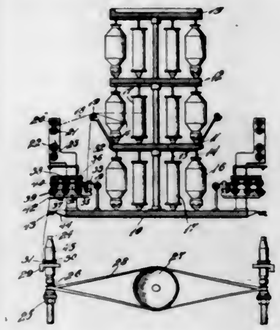
2,076,270
METHOD OF MAKING COVERED ELASTIC THREADS
Thomas Harris, Providence, R. I., assignor to Harris Textile Machinery Corporation, a corporation of Rhode Island
Application August 15, 1935, Serial No. 36,300
7 Claims. (Cl. 117—35)



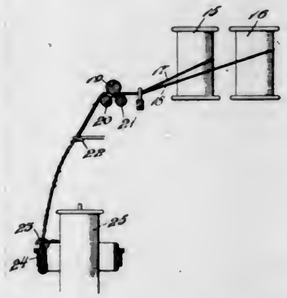
1. The method of forming a covered elastic thread, which consists in attenuating non-elastic fibers and by the same means stretching an elastic strand, and then twisting said non-elastic fibers and elastic strand in a manner to cause the non-elastic fibers to twist about said elastic strand and cover the same.

2,076,271
COVERED ELASTIC THREAD
Thomas Harris, Providence, R. I., assignor to Harris Textile Machinery Corporation, a corporation of Rhode Island
Application September 12, 1935, Serial No. 40,314
7 Claims. (Cl. 117—35)

1. The method of forming a covered elastic thread, which consists in twisting an elastic core and delivering fibers to said core to wrap about the same and subsequently twisting the covered core in the opposite direction and delivering fibers to said covered core to wrap about the same and form a second layer of covering on the core.



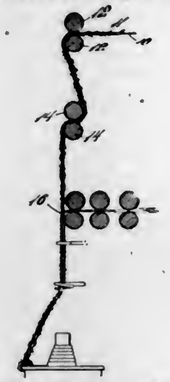
2,076,272
ELASTIC CORD
Thomas Harris, Providence, R. I., assignor to Harris Textile Machinery Corporation, a corporation of Rhode Island
Application September 30, 1935, Serial No. 42,742
5 Claims. (Cl. 117—57)



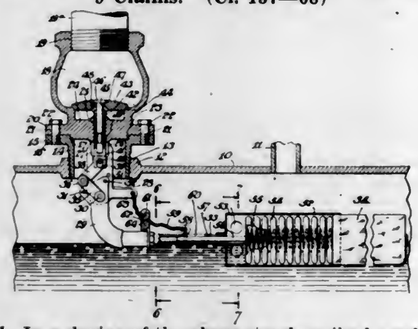
1. An elastic cord comprising a plurality of strands doubled together, each comprising a rubber core with a cover of non-twisted fibers thereon, each strand being twisted as an entirety in one direction only and having an inherent tendency to untwist when relaxed, said strands being in frictional contact and one extending about the other in a direction opposite to the twist of the thread to take up the untwisting tendency and provide a balanced elastic cord free from tendency to itself kink.

2,076,273
ELASTIC THREAD
Thomas Harris, Providence, R. I., assignor to Harris Textile Machinery Corporation, a corporation of Rhode Island
Application September 30, 1935, Serial No. 42,743
16 Claims. (Cl. 117—35)

1. An elastic single yarn comprising a twisted core of elastic material covered by a strand wound thereabout in a helical path and in the same direction as the twist of the core, said strand comprising relatively non-twisted fibers arranged sufficiently coherently by reason of them being twisted about the core as to give them sufficient strength to limit the extension of the core material.

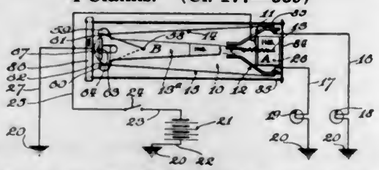


2,076,274
AUTOMATIC SAFETY SHUT-OFF VALVE
Joseph B. Hoff, Philadelphia, and Walter C. Davidson, Kirklyn, Pa.
Application June 2, 1934, Serial No. 728,642
9 Claims. (Cl. 137—68)



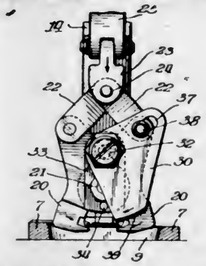
1. In a device of the character described, a valve, means to gravitationally initially lock the valve open and subsequently operable by buoyancy to release the lock to place the valve in condition to close, and pressure actuated means to also release said lock to permit the valve to close.

2,076,275
ELECTRIC FLASHER
Arthur P. Jorgenson, Racine, Wis., assignor to Roan Mfg. Co., Racine, Wis., a corporation of Wisconsin
Application January 14, 1935, Serial No. 1,663
4 Claims. (Cl. 177—339)



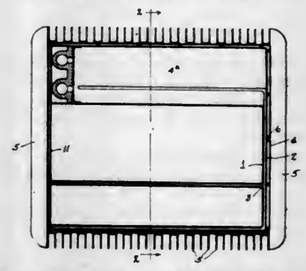
2. In a periodic flasher, the combination of a supporting base with a switch actuating arm pivotally carried by said base, a pair of fixed switch contacts, a switch arm pivotally carried by said base and oscillatable between said contacts, one of said arms being mounted on said base for movement relative to the other arm, resilient means for connecting said arms, the pivot axis of said switch arm being between the points of connection of said resilient means to said arms, relatively stronger resilient means for urging said arms apart, and a pair of thermostatic wire portions connected to said switch actuating arm and connected to said fixed contacts to be controlled by said switch arm for connection in the circuit, said latter resilient means maintaining said wires under constant tension.

2,076,276
PACKAGE BANDING TOOL
Howard C. Porter, La Grange Park, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application August 18, 1932, Serial No. 629,273
5 Claims. (Cl. 81—9.1)



1. A package banding tool comprising a frame for resting on a package to be bound, a binder tensioning mechanism carried by the frame and operable upon overlapping portions of binder to effect relative movement therebetween to exert a pull upon the loop of binder encircling the package, sealing mechanism carried by the frame and for deforming the overlapping portions of binder to form a seal-joint therein, a single handle operable selectively to actuate the tensioning mechanism and to move the sealing mechanism into cooperative relationship with the binder and there actuate the same to form the seal joint, and a cutter pivotally mounted on the sealing mechanism to be carried thereby into a position over the binder and then operated thereby to cut the upper only of the overlapping binder portions beyond the joint.

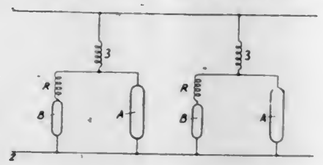
2,076,277
APPARATUS FOR REFRIGERATING
Ralph Reinhart, Peninsula, Ohio
Application November 25, 1932, Serial No. 644,145
Renewed July 25, 1935
4 Claims. (Cl. 62—126)



3. In a refrigerating apparatus, the combination of a freezing unit, including a heat conductive shell and means to withdraw heat from

the interior thereof at a rate which maintains therein a temperature substantially below that at which water freezes; an outer heat absorbing member spaced from said unit; a blanket of insulating medium surrounding said unit and located between said unit and said member; and means thermally coupling said unit and said member, which means transfer heat from said member to said unit at a rate which maintains the member at a temperature slightly above that at which water will freeze.

2,076,278
ELECTRIC DISCHARGE DEVICE
John Walter Ryde and Julius Cates, London, England, assignors to General Electric Company, a corporation of New York
Application September 7, 1935, Serial No. 39,640
In Great Britain September 7, 1934
5 Claims. (Cl. 176—124)

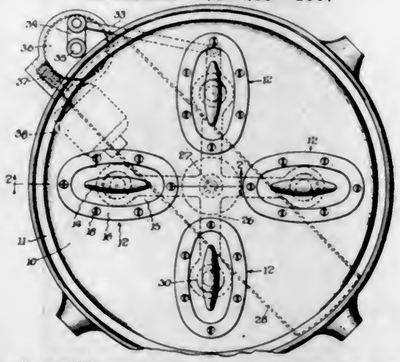


1. In combination, a main electric gaseous discharge device of a type whose starting potential at normal operating temperature is far in excess of its starting potential at room temperature, and whose discharge maintaining potential lies within a fixed range, an impedance between said device and a source of constant potential, and an impedance in parallel with said device consisting at least in part of a second gaseous discharge device whose starting potential is in excess of said range but below the hot starting potential of said main device, the voltage drop attained across the latter impedance when said second discharge device reaches a given temperature in operation being in excess of the room temperature starting potential of said main device, the minimum potential required to maintain current flow through said latter impedance when said second device is at said given temperature being in excess of the maintaining potential of said main device when it restarts, whereby said second device serves as a standby for the main device, functioning for an interval whenever potential is applied thereto after the discharge in the main device has been extinguished after it is appreciably above room temperature and automatically transferring the discharge back to said main device when the latter approaches room temperature provided said main device is in operable condition.

2,076,279
LIQUID OXYGEN EXPLOSIVE
Henri Sauvage, Paris, France, assignor to l'Air Liquide, Societe Anonyme pour l'Etude & l'Exploitation des Procedes Georges Claude, Paris, France
No Drawing. Application July 24, 1934, Serial No. 736,721. In Great Britain August 3, 1933
5 Claims. (Cl. 52—1)

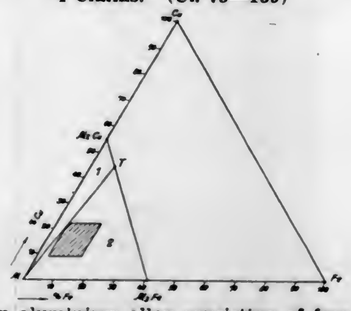
1. A liquid oxygen explosive comprising an intimate mixture of a main mass of a solid combustible material which is sensitive to shock by mechanical action and of starch in a proportion sufficient to materially reduce the sensitivity of the explosive constituted by the main mass of said solid combustible material.

2,076,280
AGITATING MECHANISM
Simon E. Schroeder, Chicago, Ill.
Application October 12, 1932, Serial No. 637,431
Renewed June 15, 1936
20 Claims. (Cl. 259—100)



1. A washing machine comprising, in combination, a tub having a wall with an aperture therethrough, an oscillatable vane having its end adjacent said wall flexibly connected in a watertight manner to the portion of said wall surrounding said aperture, said vane extending inwardly of the tub from said end, and means for oscillating said vane extending through said aperture to connect with said vane.

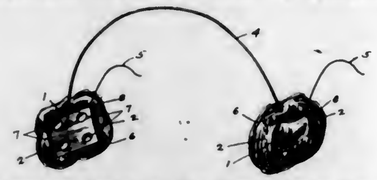
2,076,281
ALUMINIUM ALLOY AND ARTICLE MADE THEREFROM
Hans Steudel and Heinz Wiechell, Dessau, Germany, assignors, by mesne assignments, to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany
Application March 28, 1935, Serial No. 13,437
In Germany November 22, 1934
4 Claims. (Cl. 75—139)



1. An aluminium alloy consisting of from 9 to 22 per cent Cu and from 4 to 15 per cent Fe, with a balance aluminium; said alloy being characterized by its content of hard primary crystals of Al_3Fe in a ground mass of mixed crystals rich in aluminium.

2,076,282
FACIAL WRINKLE REMOVER AND PREVENTER
Mildred A. Stelfox, Baltimore, Md.
Application July 10, 1935, Serial No. 30,756
1 Claim. (Cl. 128—76)

A facial wrinkle remover and preventer comprising in combination a pair of facial foundations made of skin-like material coated with an adhesive to permit them to be fastened to the skin of an individual adjacent to and in front of the ear and having a plurality of depressions formed on their skin-contacting surfaces, spaced substantially from each other, a plurality of



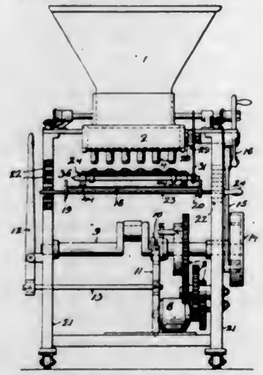
criss-crossed hairs on the foundations for reinforcing and covering same, a flexible head cord having its ends secured to said foundations for positioning the foundations under vertical tension on the face, and clips of relatively thin wire secured to each foundation and adapted to hook over the ears of the user.

2,076,283
DISPLACEABLE RUDDER FOR AIRCRAFT
Jerzy Teisseyre, Warsaw, and August Zdaniewski, Biala Podlaska, Poland
Application April 3, 1935, Serial No. 14,546
In Germany April 3, 1934
8 Claims. (Cl. 244—87)



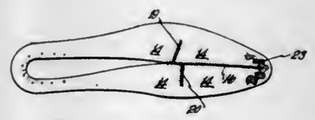
1. A vertically displaceable air rudder for aircraft, comprising in combination: a relatively fixed planiform part; a movable planiform part; and a pivot member pivotally connecting said fixed and movable parts with one another and located between the two said parts, said relatively fixed part being displaceable vertically in the direction of its own axis from a position extending above the body of said aircraft to a position extending below the same, whereby said movable part is brought into alternative operative positions as an air rudder member.

2,076,284
EXTRUDING MACHINE
Thomas S. Vierow, Jersey City, N. J.
Application October 22, 1934, Serial No. 749,381
6 Claims. (Cl. 107—28)



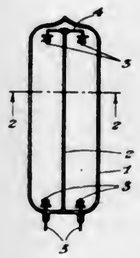
1. The combination of an extruding machine having a cylinder and a reciprocating piston for drawing material into and forcing it out of said cylinder, and having an oscillating valve controlling the discharge of the pieces through an extruding nozzle, of a rocking table on which the extruded pieces are adapted to be deposited, and means operated from said valve and acting on said table to raise and lower the same in timed relation with the discharge of pieces from said nozzle, including a pair of lever arms adapted to rest on a support below said table, said lever arms having means to support one end of said table, another lever arm associated with said first lever arms and a link connected with said third arm and with a member on said valve whereby the movements of the valve are transmitted to the lever arms which support one end of the table.

2,076,285
ARTICLE OF FOOTWEAR
Daniel W. Wiggin, Yarmouth, Maine, assignor to Holder, Wiggin & Folan, Inc., Yarmouth, Maine, a corporation of Maine
Application May 18, 1935, Serial No. 22,212
1 Claim. (Cl. 36—11)



A step product comprising a moccasin upper made from a one piece blank having integral therewith a sole, the edges of the blank being seamed together at the approximate longitudinal center line of the sole, the said seam extending from slightly inwardly of the rear end of the sole to slightly inwardly from the front end of the sole, and a single, narrow, forwardly slightly convex slit in the sole in front of the forward end of the seam whereby to permit the toe portion of the upper in the finished moccasin to lie in gathered relation in front of the slit.

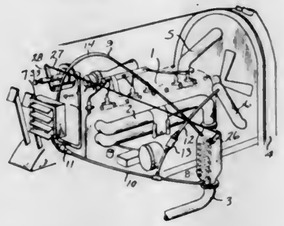
2,076,286
ELECTRIC GASEOUS DISCHARGE DEVICE
Henry W. H. Warren, Coventry, and Leonard J. Davies and John H. Mitchell, Rugby, England, assignors to General Electric Company, a corporation of New York
Application September 9, 1935, Serial No. 39,870
In Great Britain September 10, 1934
3 Claims. (Cl. 176—122)



1. An electric gaseous discharge device having a pair of elongated adjacent chambers connected together at one end and containing the same atmosphere, a thermionic electrode at each end of

each of said chambers, means within said envelope to connect the electrodes at the connected ends of said chambers, and means to connect the remaining electrodes to a source of energy.

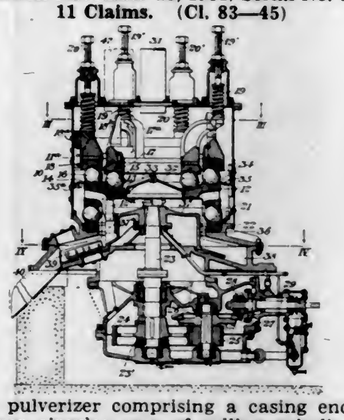
2,076,287
AUTOMOBILE HEATER
Samuel P. Arnold, Dayton, Ohio
Application April 21, 1934, Serial No. 721,740
5 Claims. (Cl. 237—12.3)



3. In a heating system for motor vehicles having a motor and a water supply tank, a radiator unit, a steam generating unit having at least a portion thereof below the water level of the supply tank, and steam circulatory conduits connecting opposite ends of the steam generating unit with the radiator unit and conversely, connecting means between the source of water supply and the steam circulatory system through which water is automatically supplied therefor preparatory to generation of steam, said connecting means supplying water to the system in response to a lower pressure in the system than in the water supply, an exhaust conduit from the motor having therein separate passages for exhaust products of combustion communicating with the motor with one of which passages the steam generating unit is associated, and a variable cutoff device tending to direct the exhaust products of combustion alternately through the respective passages, the cutoff directing the exhaust products of combustion into the passage associated with the steam generating unit in response to a decrease of a physical characteristic of the steam and directing the products of combustion into the other passage when the physical characteristic of the steam increases.

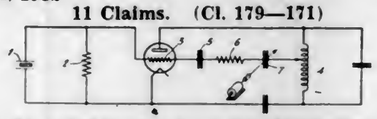
4. A heating system for a motor vehicle having a motor and a water cooling system for the motor, including a steam generating unit heated by the products of combustion discharged from the motor, a radiator unit and a pair of circulatory conduits interconnecting the steam generating unit and radiator unit into a steam circulatory system, one of said conduits extending from the outlet end of the steam generating unit to the radiator, the other conduit providing a return passage from the radiator to the opposite end of the steam generating unit, a water supply connection between the steam circulatory system and the water cooling system of the motor joined to said system at the conduit forming the return passage, a check valve in the conduit forming the return passage from the radiator to the steam generator located between that portion of the return passage extending from the radiator to said supply connection preventing flow in said return passage in a direction from the generator to the radiator, a portion of said conduit extending from the outlet of the generating unit to the radiator unit being elevated above the water level of the water cooling system of the motor preventing flooding of the steam circulating system.

2,076,288
PULVERIZING MILL
Ervin G. Bailey, Easton, Pa., and Perry R. Cassidy, Short Hills, and Ralph M. Hardgrove, Westfield, N. J., assignors, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application November 16, 1931, Serial No. 575,453
11 Claims. (Cl. 83—45)



1. A pulverizer comprising a casing enclosing an upper circular row of rolling grinding elements constituting an upper pulverizing stage having an outward flow of material therethrough, an intermediate grinding ring supporting said upper row of elements, an upper grinding ring supported on said upper row of elements, means for exerting a grinding pressure on said upper row of elements, a material feed opening in the upper portion of said casing arranged to deliver material to the inner side of said upper row of elements, a lower grinding ring arranged below said upper row of elements, a lower row of rolling grinding elements positioned between said intermediate and lower grinding rings and constituting a lower pulverizing stage receiving material by gravity from said upper pulverizing stage and having inward flow of material therethrough, means at the outer side of and out of contact with said upper row of elements and arranged to cooperate with said intermediate grinding ring in partly damming the outward flow of material from said upper pulverizing stage, and rotary means receiving and ejecting from said casing the material leaving the inner side of said lower row of elements.

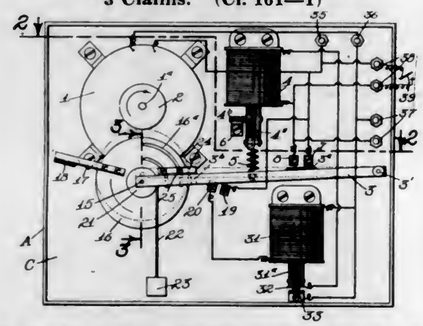
2,076,289
FREQUENCY MODULATION
Rudolf Bechmann and Herbert Elstermann, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 10, 1933, Serial No. 697,398
Renewed April 8, 1935. In Germany November 21, 1932
11 Claims. (Cl. 179—171)



1. In a system for producing frequency modulated high frequency oscillations, a thermionic oscillation generator tube having an anode, a cathode and a control grid, a piezo-electric frequency control device connected between the control grid and cathode of said tube, an oscillation circuit connected between the anode and cathode

of said tube, a separate circuit connecting said oscillation circuit to said control grid to transfer from said oscillation circuit to said control grid exciting potentials of substantially constant alternating current amplitude and of phase displaced relation with respect to the alternating current potentials on said control grid, whereby oscillations of a substantially constant frequency as determined by said piezo-electric crystal are developed in said tube and circuits, and means for periodically shifting the frequency of said oscillations without changing the potential difference across said piezo-electric crystal comprising a variable impedance in said separate circuit.

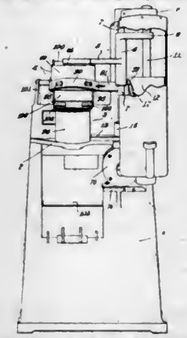
2,076,290
TIMING MECHANISM
Carl G. Bliss, Los Angeles, Calif., assignor, by mesne assignments, to Standard Steel Works, a corporation of California
Application April 13, 1931, Serial No. 529,878
Renewed September 9, 1936
3 Claims. (Cl. 161—1)



1. In an electric timing mechanism, a normally open control circuit including a magnet and terminating in stationary contacts, a timing circuit comprising, a magnet and a normally closed control switch one member of which is operatively connected with the magnet of said control circuit, a normally open circuit leading to devices to be timed and terminating in stationary terminals, a time actuated driving disc, a pivoted arm, a driven disc rotatable on said arm, the arm being operatively connected to be swung by the timing circuit magnet to bring the driven disc into engagement with the driving disc thereby to rotate said driven disc and to contact the arm with the terminals of the circuit to the devices to be timed to close said circuit, a member on the driven disc for engaging said control circuit contacts positively to stop the disc and to close said control circuit to energize its magnet and thereby to open the normally closed timing circuit control switch causing the magnet of the latter circuit to become de-energized, the circuit leading to the devices to be timed to be opened and permitting the discs to become separated, means urging return rotation of the driven disc, and a member adjustable on the driven disc for engaging said arm to check the return rotation of said disc.

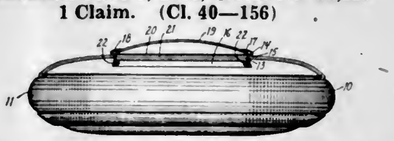
2,076,291
METHOD OF AND MACHINE FOR WRAPPING PIES
Andrew Bodor, Newark, N. J., assignor to Harry Frederick Wanvig, Garden City, N. Y.
Application January 23, 1935, Serial No. 3,018
10 Claims. (Cl. 93—2)

1. A wrapping machine including two independently operable self-contained units adapted to move in vertical alinement and in timed relation with respect to each other, one of said units comprising an element for supporting an article to be wrapped and a heating element, the other of said units comprising means for cutting a blank from a sheet of wrapping material, the blank being of greater width than that of said article, means adapted to engage the edge portion of the blank



beyond the periphery of said article and bend the same downwardly, means for crimping the bent down edge portion of the blank into folds or pleats, means for limiting the upward movement of said article during the crimping operation, and means independent of said units for holding the same in a fully operated position for a predetermined period of time, whereby the crimping and sealing of the folds in the edge of the cover is effected.

2,076,292
DISPLAY HOLDER FOR TIMEPIECES
Elof L. Carlson, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut
Application June 8, 1936, Serial No. 84,119
1 Claim. (Cl. 40—156)

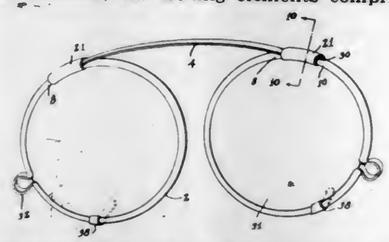


A timepiece display-holder construction including: a removable cover-plate having an aperture of considerably less size than the said cover-plate; a thin-metal frame-ring having a stop-flange overlying the exterior surface of said cover-plate adjacent said aperture, the frame-ring also having a single-layer tubular skirt extending through the aperture in said cover-plate and with the inner edge thereof circumferentially continuous; and a display-member in said frame-ring; the circumferentially-continuous edge-portion of said tubular skirt being enlarged and flared outwardly to secure the frame-ring in the aperture of the cover-plate and part thereof being distorted inwardly to secure said display-member in said frame-ring.

2,076,293
OPHTHALMIC MOUNTING
Carl E. H. Colliander, Providence, R. I., assignor to Lorgnettes, Inc., Providence, R. I., a corporation of Rhode Island
Application June 7, 1935, Serial No. 25,433
7 Claims. (Cl. 88—41)

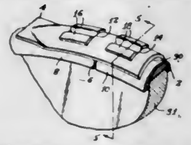
1. An ophthalmic mounting comprising two members one of which is a split, lens-holding rim,

having a lens-receiving groove the ends of the rim and the other member being provided with cooperating locking elements for locking the ends of the rim together and for locking the rim to said other member, the locking elements comprising



aperture means in one of the members, projection means on the other member disposed in the aperture means, and a clamp bent around the said other member and the rim and having two arms bent into the lens-receiving groove.

2,076,294
OPHTHALMIC MOUNTING
Carl E. H. Colliander, Providence, R. I., assignor to Lorgnettes, Inc., Providence, R. I., a corporation of Rhode Island
Application June 7, 1935, Serial No. 25,434
13 Claims. (Cl. 88—41)



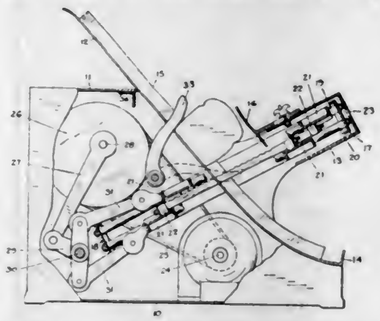
12. An ophthalmic mounting comprising two members, namely, a split, lens-holding rim and a bridge, the ends of the rim and an end of the bridge being provided with cooperating locking elements for locking the ends of the rim together and for locking the rim to the bridge, the locking elements comprising aperture means on one of the members and two projections on the other member disposed in the aperture means and tightly engaging the walls of the aperture means.

2,076,295
INSULATING MATERIALS
Alfred Curs and Hans Wolf, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Plaskon Company Inc., Toledo, Ohio, a corporation of Delaware
No Drawing. Application December 8, 1934, Serial No. 756,701. In Germany December 28, 1933
8 Claims. (Cl. 106—22)

1. The process of producing cellular insulating materials which comprises converting solutions of condensation products of a urea and an aldehyde into a foam-like mass by a mechanical treatment while adding a foam of an acid nature, and then hardening the foam-like mass thus produced, while in an acid state and controlling the hardening in order to maintain the foam structure.

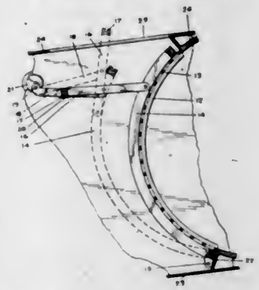
2,076,296
BREAD SLICING MACHINE
Sander Debus, Hastings, Nebr.
Application December 18, 1933, Serial No. 702,973
3 Claims. (Cl. 146—153)

1. In combination, a gravity chute for receiving bread loaves with their bottom crusts in sliding contact therewith, manually operable means associated with said chute for supplementing the force of gravity to cause downward movement of the loaves on said chute, said means including a plurality of fingers pivotally movable through slots in said chute to bear against the rear surface of the bread loaf, and a plu-



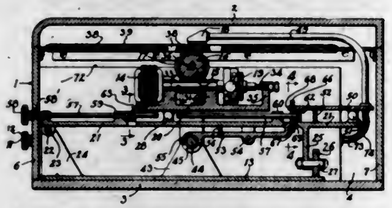
rality of parallel bread slicing knives intersecting said chute at an angle with the upper portion of said chute slightly greater than a right angle whereby said knives will engage the major portion of the softer side crust of the bread loaf before coming into engagement with the harder crust of the crown of the bread loaf.

2,076,297
HOLDER FOR MILL SCREENS
Garold C. J. Gray, Hastings, Nebr., assignor to Western Land Roller Company, Hastings, Nebr., a partnership composed of M. C. Anderson, Cushing, Nebr., Paul Anderson, St. Paul, Nebr., Carrie Glass, Grand Island, Nebr., M. George Anderson, Edna Anderson, Arthur H. Anderson and Charles M. Anderson, Hastings, Nebr.
Application September 18, 1933, Serial No. 689,971
4 Claims. (Cl. 83—11)



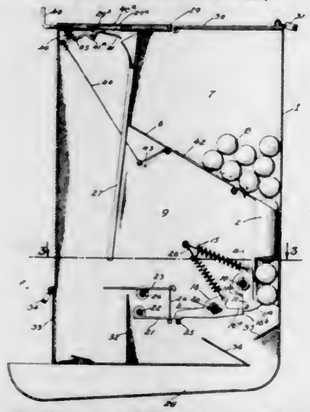
1. In combination, a mill casing having side walls, arcuate ribs projecting inwardly from said side walls, an arcuate screen seated in contact with said ribs, a pair of arcuate arms pivotally secured to said casing in proximity to said screen and adapted for movement to clamp said screen against said ribs, a U-shaped handle member pivotally secured to said arms, a pair of rotatively adjustable disks in said side walls, and a second pair of arms pivotally secured to said handle member and eccentrically and pivotally secured to said disks, said second pair of arms and said handle member being movable into substantial alignment for forcing said arcuate arms tightly against the lateral edge portions of said screen.

2,076,298
SOUND REPRODUCING APPARATUS
Edward R. Harris, Los Angeles, Calif.
Application October 29, 1934, Serial No. 750,534
16 Claims. (Cl. 74—393)



1. A sound reproducing mechanism comprising a rotatable turntable for operatively supporting a sound record, a rotatable feed member geared to said turntable, a frame, a carriage bodily adjustable radially of the axis of said turntable and tiltable on said frame, a power operated driving means on said carriage, a reproducer also on said carriage for contact with a record held on said turntable, and manually operable means including frictionally engageable driving and driven elements for operatively connecting said carriage with said feed member through the tilting of said carriage whereby power from said driving means is constantly applied to said turntable at progressively different points to correspond to the varying position of said reproducer.

2,076,299
VENDING MACHINE
Armin J. Kloess, Los Angeles, Calif.
Application September 23, 1935, Serial No. 41,644
1 Claim. (Cl. 194—48)



In a vending machine, a storage container having a discharge opening, a pivoted lever for blocking at its free end the discharge of articles thru said opening and having its pivotal axis to one side of and backwardly from said opening, said lever adapted to be tilted clear of the opening by articles in the container, a spring urging the free end of the lever over the opening, a coin controlled lever pivoted intermediate its ends and normally engaging at one end one end of the blocking lever for holding the latter in a blocking position, and a coin chute, the opposite end of the coin controlled lever being operable, by a coin passing thru the chute, for tilting the coin controlled lever clear of the blocking lever for releasing the latter to permit articles to shift the blocking lever out of the way and thereby to be discharged from the container, the free end of the blocking lever being arcuate and concentric with the pivotal axis of the blocking lever, and said arcuate surface adapted, when tilted by said discharging articles, to engage a surface at the side of and substantially radial with the coin controlled lever.

2,076,300
STRAIGHTEDGE
Arthur J. La Croix, Southbridge, Mass., assignor to Hyde Manufacturing Company, Southbridge, Mass., a corporation of Massachusetts
Application July 18, 1935, Serial No. 32,027
7 Claims. (Cl. 33—107)



1. A straightedge of the character described comprising a fibrous body portion; imperforate metal strips disposed along the longitudinal edges; fibre penetrating elements arranged at preselected points lengthwise of the body portion; and means intermediate of the metal strips and the outer ends of the elements whereby holding relation between the strips and said elements is effected.

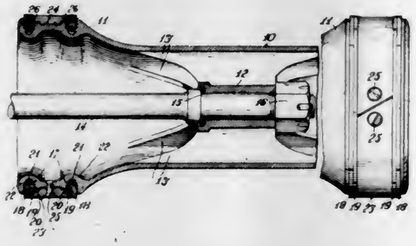
2,076,301
MULTIPLE RING PACKER
Gerhard Meyer, Los Angeles, Calif., assignor to The Technicraft Engineering Corp., Los Angeles, Calif., a corporation of California
Application May 4, 1935, Serial No. 19,835
11 Claims. (Cl. 166—12)



1. In a well packer; a series of packing rings and spacing rings arranged in alternate relation,

said packing rings normally being less in diameter than said spacing rings and protected and held in fixed spaced relation thereby; a body member backing said rings; dilating means incorporated in the body member for expanding the packing rings radially beyond said spacing rings, said dilating means being in fixed relation with each other corresponding to the spacing of said packing rings and simultaneously engageable therewith; an annular valve means including an element incorporated in one of said spacing rings and an element associated with said body member, said body member defining a by-passing passage controlled by said valve means.

2,076,302
PISTON MEMBER
Henry E. Muchnic, Atchison, Kans., assignor to The Locomotive Finished Material Company, Atchison, Kans., a corporation of Kansas
Application July 25, 1935, Serial No. 33,139
4 Claims. (Cl. 309—29)

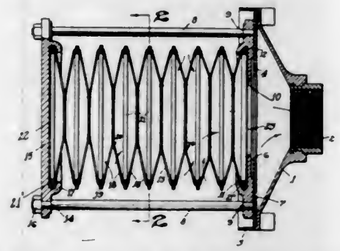


1. A piston member comprising a single piece head portion provided with a pair of axially spaced circumferential channels and an annular recess therebetween, said channels being of greater radial depth than said annular recess; a carrier or bull-ring radially contracted into the annular recess and fixedly secured to the head against expansive movement, said bull-ring having opposed sides forming an extension of the side walls of said channels and being provided with laterally disposed annular shoulders at its outer perimeter adapted to overlap the channels at opposite sides thereof; sectional packing rings located in said channels and provided with laterally disposed lips adapted to extend beneath the annular shoulders of the carrier or bull-ring to prevent radial displacement of the sectional packing rings, the bull-ring and the packing rings normally extending into a circumferential plane beyond that of the piston head; and expander means located beneath the sectional packing rings.

2,076,303
MERCERIZING ASSISTANTS
Donald H. Powers, Moorestown, N. J., and Harold W. Stiegler, Bristol, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application January 30, 1934, Serial No. 708,967
16 Claims. (Cl. 8—20)

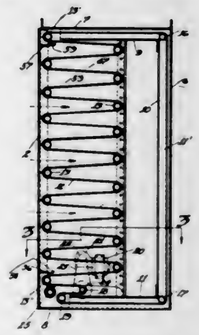
1. The process which comprises treating cellulosic material with a solution of an alkali metal hydroxide containing a salt of a carboxylic ether acid, said solution being of sufficient strength to exert a mercerizing action.

2,076,304
GAS FILTER
Richard Strindberg, Worcester, Mass., assignor to Development Associates, Inc., Worcester, Mass., a corporation of Massachusetts
Application December 10, 1934, Serial No. 756,810
7 Claims. (Cl. 183—71)



2. In a filter unit, a filter member comprising a plurality of pairs of annular disks of filter material, the disks of each pair being sewn at their outer edges, contiguous disks of adjacent pairs being secured together at their inner edges to form a filter bellows, a supporting member for said bellows and resilient distending members for holding said bellows in open position, one of said distending members providing the sole securing means between the supporting member and the bellows.

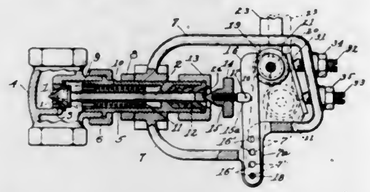
2,076,305
GAS FILTER
Richard Strindberg, Worcester, Mass., assignor to Development Associates, Inc., Worcester, Mass., a corporation of Massachusetts
Application January 16, 1935, Serial No. 2,090
12 Claims. (Cl. 183—63)



2. A filter comprising a casing having an opening in the front wall thereof, a filter curtain, a plurality of rollers positioned in staggered relation for supporting said filter curtain to form a plurality of pockets, and sealing plates adapted to enter said pockets and to cooperate with said rollers and with the edges of said curtain to form a substantially air-tight seal, certain of said rollers having circumferential grooves adjacent to the ends thereof for engagement with the forward end of the sealing plates which enter said grooves to form a substantial air-tight seal.

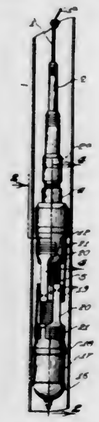
4. A filter comprising a casing, a filter curtain, rollers within said casing for supporting said curtain in air filtering position within said casing, means for cleaning said curtain, including a plurality of suction nozzles disposed over different portions of the width of the curtain, a hollow tube having its interior connected with all of said suction nozzles, and a valve member rotatable within said tube adapted, by its motion, to provide communication between the interior of said tube and each of the various suction nozzles in succession.

2,076,306
MEANS FOR ADJUSTING THROTTLE VALVES
Shirley S. Weeks, Providence, R. I.
Application December 23, 1935, Serial No. 55,829
6 Claims. (Cl. 137—139)



1. Means for adjusting a throttle valve or the like comprising, in combination, a valve stem; a lever whose movements control the movements of said stem; an adjustable plate; means interposed between the lever and plate and movable therealong to vary the position of said lever in accordance with the position of said plate; adjustable means for positioning one end of said plate to effect a minimum valve opening; and other adjustable means for positioning the other end of the plate to effect a maximum valve opening.

2,076,307
BRIDGING PLUG
Walter T. Wells and Charles H. Barnes, Glendale, and Lloyd Spencer, Los Angeles, Calif., assignors to The Technicraft Engineering Corp., Los Angeles, Calif., a corporation of California
Application April 20, 1935, Serial No. 17,466
18 Claims. (Cl. 166—13)



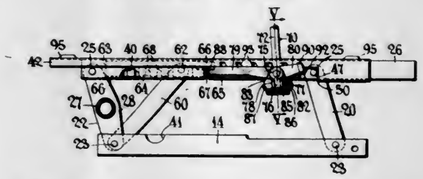
1. A bridging plug comprising: coacting elements adapted to form a binding connection with the walls of a well casing; means tending to actuate said elements; and a device normally restraining said means and incorporating an explosive instrumentality for releasing said means.

2,076,308
WELL HEATING DEVICE AND METHOD
Walter T. Wells, Glendale, Calif., assignor to The Technicraft Engineering Corp., Los Angeles, Calif., a corporation of California
Application February 15, 1936, Serial No. 64,007
14 Claims. (Cl. 166—17)



1. A well heating device comprising: a container; a non-explosive endothermic reacting substance therein; and means for igniting said substance.

2,076,309
CONTROL MECHANISM FOR ADJUSTABLE SEATS
Le Grand S. Whedon, Medina, N. Y.
Application July 27, 1936, Serial No. 92,737
10 Claims. (Cl. 155—14)

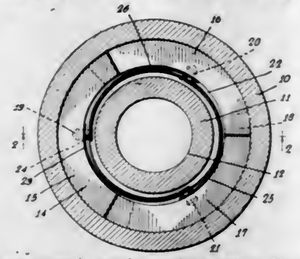


1. In a seat structure, a frame, a movable mechanism supporting the frame and being movable therewith, a support upon which the mechanism is mounted for movement, a seat bottom carried upon the frame and being movable with respect thereto, an adjusting device having first means adjustably connecting said device to the movable mechanism and having second means adjustably connecting said device to the seat bottom, and a single actuating means having connections with both of said first and second means and being selectively operable to determine either the adjusted position of the seat bottom with respect to said frame or the adjusted position of said movable mechanism.

2,076,310
CONSTANT EXPANSION PISTON RING EXPANDER
Arthur F. White, Fullerton, Calif., assignor of one-half to John A. Vertson, Brea, Calif.
Application May 31, 1934, Serial No. 728,355
6 Claims. (Cl. 309—41)

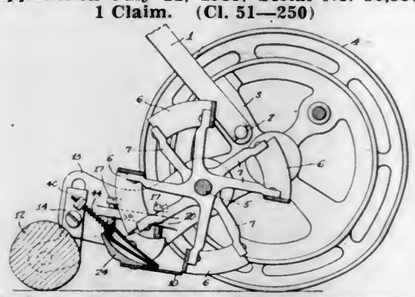
1. A piston having a ring groove, a segmental ring in the ring groove, and a plurality of springs between the ring and the back of the ring groove,

each spring being flexed but tending to straighten and being anchored to the inner side of its re-



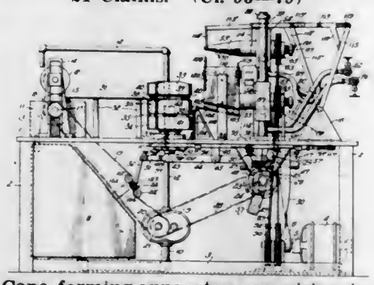
spective segment, each spring extending laterally across the inner face of an adjacent segment.

2,076,311
AUTOMATIC SHARPENING DEVICE FOR LAWNMOWERS
Warren B. White, North Abington, Mass.
Application July 11, 1935, Serial No. 30,864
1 Claim. (Cl. 51—250)



A sharpening attachment for the rotary cutter blades of lawnmowers, comprising a V-shaped resilient member of substantially the same length as that of the rotary cutter blades to be sharpened, a tubular sheet of abrasive material adapted to be loosely fitted over said V member, a cross-bar engaging the abrasive material at the open portion of the V-member holding said abrasive under yielding tension on said member, and yielding means operable on said cross-bar to hold the abrasive material in position and to press the same yieldingly toward the rotary blades to effect a sharpening action.

2,076,312
AUTOMATIC CONE MAKING MACHINE
William S. Whiting, Jr., Canton, N. C., assignor to The Champion Paper and Fibre Company, Canton, N. C., a corporation of Ohio
Application July 31, 1934, Serial No. 737,855
21 Claims. (Cl. 93—79)



1. Cone-forming apparatus comprising, in combination, means for receiving a strip of cone-forming material and for forwarding such strip; means for intermittently grasping the forwarded end of such strip alternately at its right-hand edge and at its left-hand edge; means operated in timed relation to said grasping means for dividing from such strip while grasped a portion thereof to provide a cone-forming blank; and means for forming the thus divided blank into a conical object.

2,076,313
BRIDGING PLUG AND RETRIEVING TOOL THEREFOR
Arthur J. Zschokke, Huntington Park, Calif., assignor to The Technicraft Engineering Corporation, Los Angeles, Calif., a corporation of California
Application July 15, 1935, Serial No. 31,391
15 Claims. (Cl. 166—13)



1. In a well tool; an implement adapted to be secured within a well bore and including, a hollow member forming the upper end of the implement and provided with wickers, a slidable element within said member below its upper end, securing means for said implement associated with said element and member and responsive to downward movement of said element relative to said member to release said implement; and a retrieving tool for said implement including, a device adapted to enter said hollow member and thrustingly engage with said element, and means engageable with the wickers of said hollow member.

2,076,314
BRIDGING PLUG AND SETTING TOOL THEREFOR
Arthur J. Zschokke, Huntington Park, Calif., assignor to The Technicraft Engineering Corp., Los Angeles, Calif., a corporation of California
Application July 15, 1935, Serial No. 31,392
11 Claims. (Cl. 166—13)

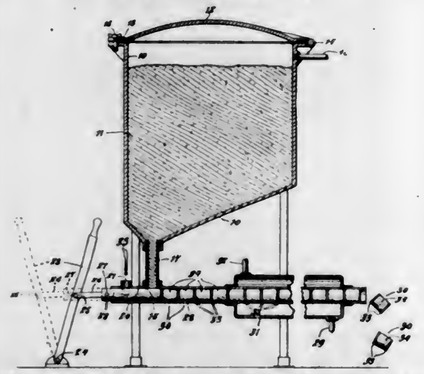
1. In a well tool; an implement adapted to be lowered within a well bore, and including elements adapted when moved relatively to secure the implement therein; and a setting tool for said implement, comprising: a releasable connecting device for initially supporting said implement, a hydraulically responsive means for urging said elements in a manner to secure said implement,

and a releasing means for said device operative subsequently to said hydraulically responsive



means to release the implement from the setting tool.

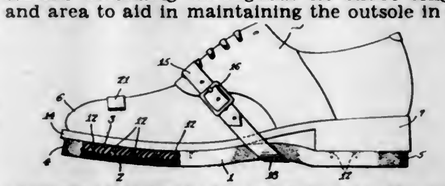
2,076,315
METHOD OF FORMING FUEL BRIQUETTES
Joseph A. Albrecht, Buffalo, N. Y.
Application December 30, 1932, Serial No. 649,549
1 Claim. (Cl. 44—10)



The method of forming fuel briquettes comprising: the charging of fuel briquette paste into a cylinder; inserting successive pairs of paper disks into said cylinder perpendicularly of its axis so as to separate said briquette paste into a plurality of cylindrical masses; compressing the paper disks and masses of briquette paste to form formed cylindrical briquettes; and discharging said formed cylindrical briquettes with each of the briquettes having a paper disk adhering to each of its ends.

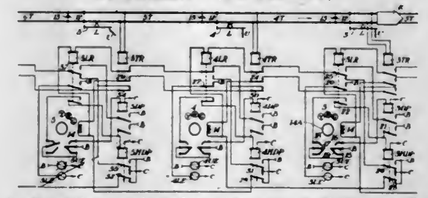
2,076,316
REMOVABLE OUTSOLE FOR SPORT SHOES
E. Mauran Beals, Jr., Nahant, Mass.
Application October 12, 1935, Serial No. 44,703
1 Claim. (Cl. 36—7.5)

A removable outsole for cooperative attachment to sport shoes equipped with projecting spikes in the tread portion of the sole and a raised heel, said outsole being adapted to extend from substantially the toe portion of the shoe to the rear of the raised heel, and being of approximately similar peripheral contour to the sole of the shoe to which it is adapted to be attached, said removable outsole being formed of a composite unitary resilient material consisting of a relatively soft spike-receiving layer adapted to be positioned next to the outer surface of the shoe sole, said removable outsole having a relatively tough wear-resisting and somewhat rigid layer for its tread surface extending throughout its entire length and area to aid in maintaining the outsole in an



approximately level plane and to span the arch portion of the shoe between the sole and heel, together with an attaching strip secured to the arch-spanning portion of the outsole and adapted to act with a forward thrusting action to produce a frictional engagement between the embedded spikes and the spike-receiving material of the outsole and to maintain said removable outsole in contact with the shoe sole.

2,076,317
RAILWAY SIGNALING
Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 15, 1936, Serial No. 64,129
20 Claims. (Cl. 246—50)

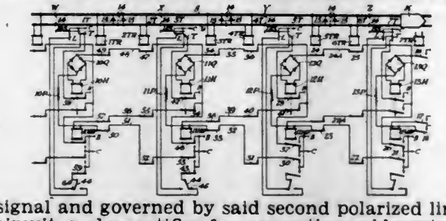


1. A railway signal system comprising; a first, a second, a third, a fourth, a fifth, and a sixth track section over which traffic normally progresses in the order named; a polarized line circuit for each section, a relay for each section, means controlled by a train occupying the sixth section effective to deenergize both the line circuit and the relay of that section, means then effective to deenergize the line circuit for the fifth section and to energize the relay for that section, means then effective to energize the line circuit for the fourth section in the reverse direction and to deenergize the relay for that section, means then effective to energize the line circuit for the third section in the reverse direction and to energize the relay for that section, means then effective to energize the line circuit for the second section in the normal direction and to deenergize the relay for that section, means then effective to energize the line circuit for the first section in the normal direction and to energize the relay for that section, and signaling means controlled by the last mentioned line circuit and relay.

2,076,318
RAILWAY SIGNALING
Ronald A. McCann, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 15, 1936, Serial No. 64,094
13 Claims. (Cl. 246—50)

12. In combination, a section of railway track, a signal for said section, a polarized line relay for

controlling said signal, a first polarized line circuit for governing said polarized relay, a second polarized line circuit which changes its polarity when the polarity of said first line circuit is changed, a neutral relay also for governing said



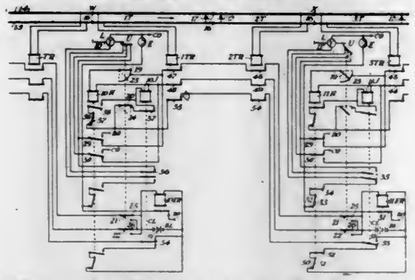
signal and governed by said second polarized line circuit, and a rectifier for connecting said neutral relay to said second polarized line circuit thereby preventing the release of said neutral relay during pole changing periods.

2,076,319

RAILWAY SIGNALING

Ralph R. Kemmerer, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application March 6, 1936, Serial No. 67,494
18 Claims. (Cl. 246—50)



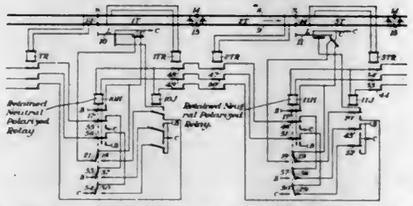
5. In combination, a section of railway track, a signal for said section, a signal control relay for said signal, a line circuit for controlling said relay, means for supplying current to said line circuit for energizing said relay, means effective when said relay is energized to cause said signal to display its normal proceed indication, means including a contact operably governed by said signal for then deenergizing said relay, and a contact of said relay then effective to connect said signal to said line circuit.

2,076,320

RAILWAY SIGNALING

George R. Pflasterer, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application March 14, 1936, Serial No. 68,808
13 Claims. (Cl. 246—50)



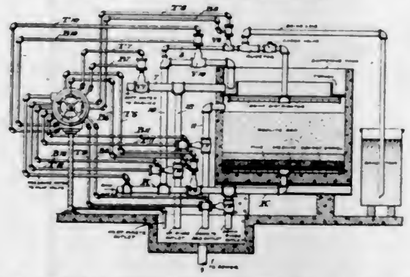
1. In combination, a section of railway track, a first line circuit for said section including a pair of line wires, a second line circuit for said section including another line wire and one wire of said first line circuit, track circuit means for said section for governing both said line circuits, means governed in accordance with traffic conditions in advance of said section for energizing only said first line circuit with current of reverse polarity or for energizing said second line circuit simultaneously with the energization of said first line circuit with current of said reverse polarity or for energizing only said first line circuit with current of normal polarity, a polarized relay governed by said first line circuit, a neutral relay governed by said second line circuit, a signal for said section including one indication unit controlled only by said polarized relay and including another indication unit controlled by said polarized relay as well as by said neutral relay.

2,076,321

PLURAL VALVE ACTUATION AND CONTROL

Eric Pick, New York, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

Application October 15, 1935, Serial No. 45,133
19 Claims. (Cl. 137—144)



1. A valve system for coordinating a plurality of fluid flows which comprises in combination a plurality of individual valves operated by pressure cylinders and pistons, a pair of pipes for each cylinder, one pipe of said pair communicating with the cylinder on one side of the piston and the other pipe communicating with the cylinder on the opposite side of the piston, and a rotary multiway pilot valve provided with a pressure fluid inlet and an exhaust fluid outlet and having a plurality of pairs of ports, each pair of ports being in communication with a cylinder through one of said pairs of pipes, and a rotatable valve member having two systems of passages therein, one system being in permanent communication with the pressure fluid inlet and the other system being in permanent communication with the exhaust fluid outlet, each of said systems being arranged to cover, in at least one rotational position of the valve member, one port of each pair of a plurality of pairs of ports and being so arranged that upon rotation of the valve member, each pair of ports is connected with the pressure fluid inlet and the exhaust outlet.

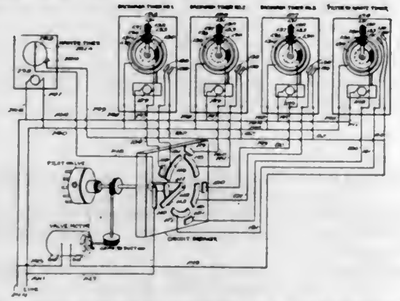
2,076,322

WATER FILTER BATTERY CONTROL

Eric Pick, New York, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

Application January 2, 1936, Serial No. 57,298
10 Claims. (Cl. 210—132)

10. A water filter battery system under coordinated automatic operation and control comprising a plurality of filtering units arranged in a battery, master valve means controlling flow through the battery as a whole, a plurality of other valve means respectively controlling flows through the individual units of the battery, power means actuating the master and individual valve means and electrical timing control means for



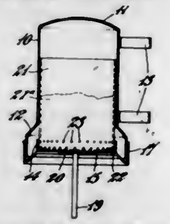
said power means comprising a control circuit, rotary circuit making and breaking means in said control circuit and operated by said power means and timing motor and switch means in electrical series with said circuit making and breaking means and timing said valve-actuating power means.

2,076,323

CONTAINER AND DISPENSING DEVICE FOR POWDERED SOAP AND THE LIKE

Archie Campbell Reeve, Hounslow, England

Application May 8, 1935, Serial No. 20,471
In Great Britain May 8, 1934
9 Claims. (Cl. 221—62)



1. An outer member of a dispensing container comprising a tube closed at its upper end, its lower end being of increased diameter and accommodating an annular shield the internal diameter of which is substantially equal to the internal diameter of the upper part of the outer member and which is provided with one or more inwardly projecting parts arranged to act as a stop for limiting the axial sliding movement of an inner member.

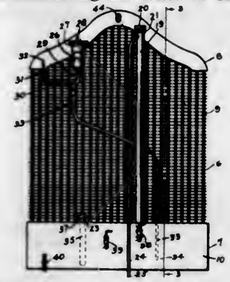
2,076,324

ANTIFREEZE DEVICE FOR MOTOR VEHICLES

David E. Semon, St. Pauls, N. C., assignor of one-half to Charles F. Cole, Richmond, Va.

Application January 30, 1935, Serial No. 4,181
9 Claims. (Cl. 123—174)

1. In an anti-freeze device for use in combination with an internal combustion engine, comprising a header tank, a storage tank below said header tank, liquid conducting means connecting said header tank and storage tank, means for connecting said storage tank with the inlet of the water circulating system of said engine and means for connecting said header tank with the outlet of said system, vent pipe means connected with the storage tank, a float valve above said water circulating system of the engine, means for connecting the exit of said valve with



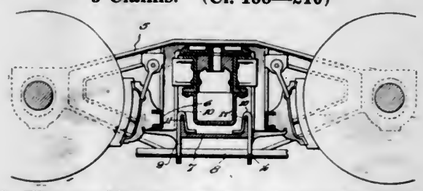
the engine intake manifold, and dual pipe means connecting the intake of said valve with said header tank and with said storage tank.

2,076,325

SAFETY MECHANISM FOR RAILWAY CAR BRAKE RIGGINGS

Richard D. Smith, Andover, Va., assignor to Joseph L. Ortner, Cincinnati, Ohio

Application April 11, 1934, Serial No. 720,103
5 Claims. (Cl. 188—210)



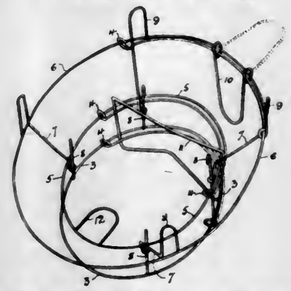
1. The combination with a car truck including a spring board, brake beam and brake rod, of a bracket engaging the spring board and provided with a laterally projecting arm extending beneath the brake beam, and a depending loop adapted to receive the brake rod and prevent upward movement of the bracket out of engagement with the spring board.

2,076,326

ADJUSTABLE WIRE FORMED HAT HOLDER

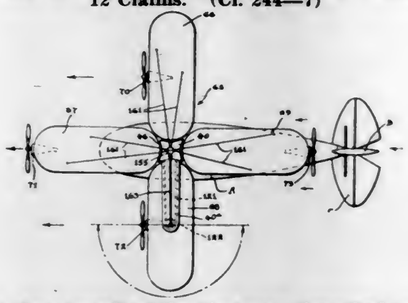
Sallie Thornton, Elizabeth Bay, Sydney, Australia

Application April 22, 1936, Serial No. 75,880
In Australia April 23, 1935
3 Claims. (Cl. 211—30)



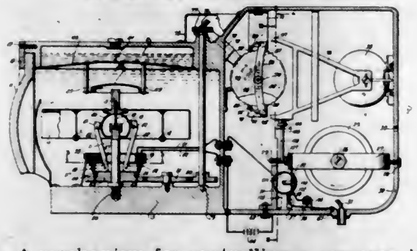
1. In a hat holder, a wire in circular form with the ends over-lapping and loosely secured, a larger member in same form, inclining struts connecting the two circular wires and a bar or frame loosely engaging the over-lapping ends of the smaller member.

2,076,327
AIRCRAFT
Yürgen Baron Silberg von Stackelberg, Baltimore, Md., assignor of one-half to Margaret G. Doll, Baltimore, Md.
Application July 28, 1934, Serial No. 737,429
12 Claims. (Cl. 244—7)



1. An aircraft of the character described comprising an elongated fuselage, a rotatable multi-bladed lift and sustaining assembly consisting of four blades mounted above and associated with the fuselage, motive power means adjacent the extreme free ends of two of said blades and intermediate of the ends of two of the blades for rotating the said assembly whereby the machine may be flown as a helicopter, and means for braking and stopping rotation of and locking the wing assembly in a predetermined position so that two of the blades are parallel with and spaced above the elongated fuselage, and another two of said blades are projecting substantially at right angles beyond and above opposite sides of the fuselage adjacent the forward end thereof and in such position the machine may be flown horizontally.

2,076,328
METHOD AND MEANS FOR CONTROLLING COMPASSES
Francis A. Wade, Brooklyn, and Adolf Urfer, Richmond Hill, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 6, 1932, Serial No. 615,720
36 Claims. (Cl. 33—222)



1. A mechanism for controlling a compass, including in combination, a magnetic compass mounted in a vehicle and adapted to normally respond freely to magnetic influences, a gyroscope mounted in the vehicle and having two degrees of freedom with respect thereto, and means responsive to precession movements of the gyroscope for controlling the compass.

6. A mechanism for controlling a compass, including in combination, a magnetic compass, an azimuth gyroscope, and means for selectively linking the compass to the gyroscope.

15. In combination, a magnetic compass, a gyroscope normally disconnected from the compass, and means for periodically connecting the compass and gyroscope together for controlling the former by the latter.

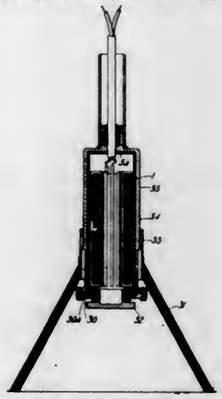
35. In combination, a free directional gyroscope, a compass card rotatably mounted adjacent said gyroscope, a driving element mounted on the gyroscope to turn in azimuth therewith and having a mechanical driving connection with said card to turn the latter as the gyroscope turns relative to its mounting, and means for interrupting said driving connection without disturbing said gyroscope.

2,076,329
PORCELAIN ENAMELWARE AND METHOD OF FORMING THE SAME
Daniel D. Wheeler, Erie, Pa., assignor to The Erie Enameling Company, Erie, Pa., a corporation of Pennsylvania
Application January 15, 1932, Serial No. 586,934
11 Claims. (Cl. 91—73)



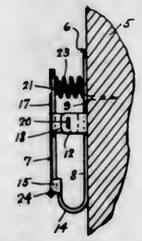
1. In the method of producing an article having a vitreous enamel finish, the steps which comprise depositing on an article base a wet coat of vitreous enamel material, drying said coat at least to some extent, forming a rough surface on said dried coat by depositing globules of liquid enamel material, the dried coat absorbing at least part of the liquid component from said globules and thereby drying them, applying to the resulting dried masses at an angle a color stable at the firing temperature, and contrasting with the predetermined color of the masses, and firing the so treated article to produce a fused surface having the visual appearance of depth and roughness.

2,076,330
MEASUREMENT OF DISTANCES BY ECHO RECEPTION METHODS
Albert Beaumont Wood, Frederick Daniel Smith, and James Andrews McGeachy, Teddington, England, assignors to Henry Hughes & Son Limited, London, England, a corporation of Great Britain
Application January 26, 1932, Serial No. 589,036
In Great Britain March 18, 1931
4 Claims. (Cl. 177—386)



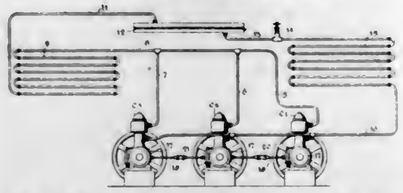
1. A transmitting member for use in apparatus for the measurement of distance by echo reception, comprising a tubular core formed of laminations of magneto-strictive material disposed so that they vibrate in a direction parallel to the axis of the core, means for securing the laminations together to provide a single resonating body, sound insulating material disposed about the laminations to prevent the emission of sound waves from the curved face and one end of the core, a supporting housing co-axial with the core and surrounding the laminations and the sound insulating material, and a reflector co-axial with the core and housing and projecting beyond the end of the core from which emission of sound is permitted.

2,076,331
CHECK HOLDER
August Zamborelli, Sopris, Colo.
Application October 21, 1936, Serial No. 106,876
1 Claim. (Cl. 40—15)



A check holder of the character described comprising a plate formed with a hook at the lower portion thereof, a swingable detent mounted on the plate, the lower portion of the detent being engaged with the free end of the hook, and a spring interposed between the plate and the upper end portion of the detent for tensionally maintaining the lower end of the detent against the hook, the end portion of said hook being provided with outwardly disposed ears between which the lower end of the detent is normally disposed.

2,076,332
LUBRICATION SYSTEM
Robert W. Zercher, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application June 29, 1935, Serial No. 29,133
10 Claims. (Cl. 230—206)



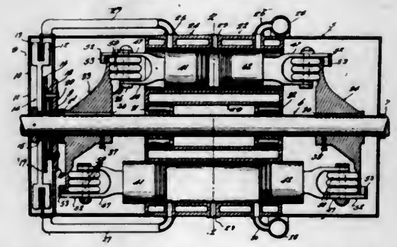
1. In a lubrication system, a circuit for a volatile liquid medium; a plurality of compressors connected in parallel in said circuit and arranged to operate, one or more at a time, in accordance with the load on said circuit, each of said compressors having an oil sump subject to the suction pressure of the circuit; a lubricating conduit connecting the sumps of said compressors; and means in said conduit for preventing flow of lubricant from one sump to another when a material pressure differential exists between them, but permitting equalizing flow between said sumps when their pressures are substantially equal.

2,076,333
NECKTIE HOLDER
Byron T. Bjork, Long Island City, N. Y.
Application April 7, 1936, Serial No. 73,178
3 Claims. (Cl. 2—156)



1. A removable necktie holder comprising a flat member of resilient material, a part thereof being bent to form a groove for the necktie, said flat member extending upwardly from said groove and normally engaging the fold line of the collar, and means for securing the holder in position on the outside of the collar during the tieing operation.

2,076,334
DIESEL ENGINE
Earl A. Burns, Los Angeles, Calif.
Application April 16, 1934, Serial No. 720,895
2 Claims. (Cl. 123—58)

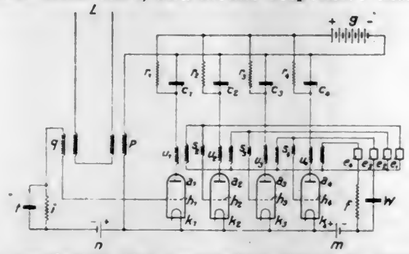


2. In an internal combustion engine of the type described, a rotary shaft, a pair of axially spaced cams on said shaft, a cylinder located between said cams and having a pair of opposed pistons working therein and operatively engaging the cams, each of said cams having a pair of rises and a pair of depressions, means operatively connecting said pistons with said cams, said means including connecting rods pivoted to the pistons and to the cylinder and riding on the cams, each connecting rod having roller means operatively engaging the corresponding cam, said roller means including a plurality of rotary wheels rolling against the working face of the cam and maintained against the down slope of the cam rises during the power stroke of the pistons to rotate the cams, said working face of the cam being formed with guide-grooves in which said wheels roll.

2,076,335
SELECTING DEVICE
Walter Dällenbach, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en apparaten Fabrieken "Meaf", Utrecht, Netherlands
Application December 29, 1933, Serial No. 704,566
In Germany January 3, 1933
5 Claims. (Cl. 178—53.1)

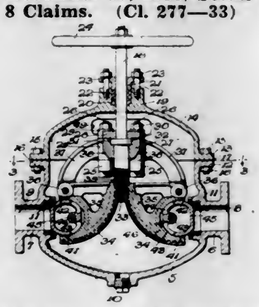
1. A distributor for selectively distributing signals received over a common connecting line comprising a plurality of normally non-conducting channels, a coupling transformer connecting said chanels in parallel with the connecting line, each channel consisting of a condenser for the signal impulses and a grid-controlled discharge tube, means responsive to an initial impulse received over said connecting line for initiating operation of the grid controlled discharge tube

in the first channel whereby said channel becomes conductive, and means responsive thereto



for rendering the remaining channels successively conductive.

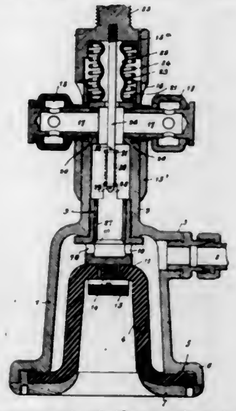
2,076,336
VALVE
John T. Fahey, Oil City, Pa.
Application December 19, 1935, Serial No. 55,259
8 Claims. (Cl. 277—33)



1. In a valve structure, the combination of a valve body having a plurality of fluid inlet and outlet openings formed therein, valve seats for said openings, a valve for each of said openings, a collared valve stem operatively connected to said valves and extending upwardly out of said valve body, a bearing plate mounted on and removably secured to said body, said plate being apertured for passage therethrough of said valve stem and having a bearing surface on which the collar of said stem is supported, a thrust plate removably secured to said bearing plate and locking said collar against upward movement, means carried by said bearing plate for supporting said valves in positions adjacent said valve seats for movement toward and away therefrom upon actuation of said valve stem, and a valve bonnet removably secured to said valve body, said bonnet being apertured to permit the passage therethrough of said valve stem and being removable from said valve body without affecting the positions of said valves or the connection between said thrust plate, bearing plate and valve body.

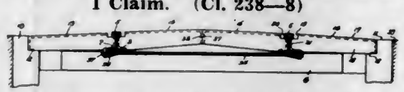
2,076,337
APPARATUS FOR FIXING CAPS ON BOTTLES
Paul Marie Adrien Gauthier, Courbevoie, France
Application July 31, 1935, Serial No. 34,095
In France August 17,1934
5 Claims. (Cl. 226—85)

1. An apparatus for fixing caps on the necks of bottles, comprising a casing, a deformable cup-shaped cap receiving member forming a part of the casing, a pressure liquid inlet to the casing, a pressure liquid outlet leading from the casing, a valve for controlling said outlet, and means for mounting the valve relative to the casing to cause the valve to be operated to close the outlet under



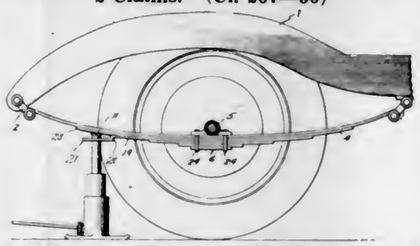
endwise movement of the casing incident to the insertion of a bottle neck and cap into the cup-shaped member.

2,076,338
RAILWAY CROSSING
John J. Greely, Maysville, Ky.
Application July 23, 1935, Serial No. 32,789
1 Claim. (Cl. 238—8)



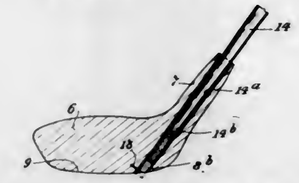
In combination, a railroad track including a pair of rails, a connecting member between the bases of said rails to prevent spreading of the rails, a pair of load crossing plates between the rails at the said connecting member, said plates abutting each other at their inner edges, and abutting the rails at their edges opposite to the abutting edges, said plates being disposed in inclined arched positions with their high point where the plates abut each other, a groove in the abutting inner vertical surfaces of the plates and a rod seated in said groove to maintain the abutting edges of the plate in fixed relative position.

2,076,339
JACK SEATING DEVICE
John Gunn, Philadelphia, Pa.
Application July 10, 1935, Serial No. 30,679
2 Claims. (Cl. 267—36)



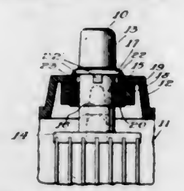
1. In combination, a vehicle spring and a jack seating member comprising a metal strip inserted between spring leaves and secured by the spring leaf securing means, said strip having a portion offset from a jack-engaging surface and apertured to form a jack encompassing member.

2,076,340
GOLF CLUB
William James Hadden, Glasgow, Scotland, assignor to Donaldson Manufacturing Company Limited, Glasgow, Scotland
Application December 9, 1929, Serial No. 412,584
In Great Britain September 3, 1929
8 Claims. (Cl. 273—80)



1. A wooden head for golf clubs provided with a shank having a tapered socket therethrough, a tapered tubular metallic lining, screw threads at one end of said lining extending for a substantial distance in a direction lengthwise of the lining, said threads forming threads in the socket wall at one end thereof to extend lengthwise of the socket for a distance corresponding to the position of the screw-threads in said lining, and a metallic shaft tapered at one end and telescoped into said lining, said shaft provided with screw threads at said end which extend for a substantial distance in a direction lengthwise of the shaft, the threads on the shaft interiorly engaging the threads in the lining, the portion of the shaft above the threads and within the lining contacting with said lining, whereby a metal to metal binding engagement will be established and maintained between the shaft and said lining throughout the entire length of that portion of the shaft which is telescoped into said lining, to form a rigid joint between the shaft and head.

2,076,341
BATTERY TERMINAL
Harry H. Henry, Chicago, Ill., assignor, by mesne assignments, to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois
Application June 9, 1932, Serial No. 616,310
1 Claim. (Cl. 136—168)



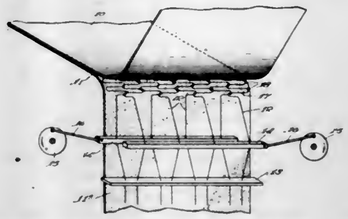
In a storage battery, the combination with a battery case having a top wall apertured to receive a terminal post of said battery and provided with a depending annular flange providing a socket below said aperture, said socket being of uniform diameter therethrough and being of greater diameter than said aperture, said top wall extending over a portion of said socket, a tubular resilient sleeve tightly received within said socket and extending below said socket, and a terminal of uniform diameter and of substantially greater diameter than the sleeve projecting through said apertured top wall and also through said sleeve so as to tightly expand said sleeve against said annular flange, said terminal having an integral flange engaging the top surface of said wall which extends over said socket, said terminal having also an integral shoulder engaging solely the bottom wall of said depending tubular sleeve, said second mentioned flange providing with said terminal a diameter greater than the diameter of said aperture in said top wall and pressing against the bottom portion of said resilient sleeve so as to draw the upper integral flange of said terminal tightly against the top portion of the wall directly over said resilient sleeve.

2,076,342
METHOD OF MAKING CONTAINERS
Edward Hildebrandt, Seattle, Wash.
Application August 1, 1934, Serial No. 737,983
3 Claims. (Cl. 113—120)



1. The method of fabricating containers of the display type which comprises: cutting and forming a blank to constitute the wall portion of the container, cutting, from material of said blank, a section of a size and shape corresponding to the cross-sectional size of said container, and securing said cut-out section to said container across one end thereof to constitute a closure therefor.

2,076,343
REENFORCED PAPER AND METHOD OF FORMING SAME
Ferdinand W. Humphner, Oak Park, Ill., assignor to Mid-States Gummed Paper Co., Chicago, Ill., a corporation of Illinois
Application November 29, 1935, Serial No. 52,266
2 Claims. (Cl. 154—2)

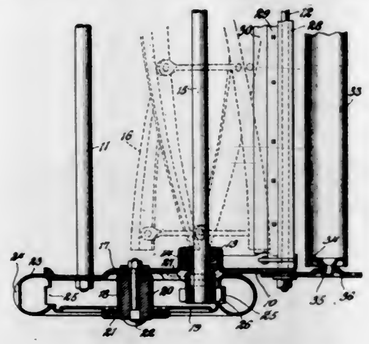


1. The method of reenforcing paper comprising: applying adhesive between two sheets, wetting threads with glycerin and forming them between the sheets in adjacent relation and combining the sheets by pressure.

2,076,344
LAWN MOWER WHEEL
James M. Leake, Toledo, Ohio
Application August 4, 1933, Serial No. 683,672
1 Claim. (Cl. 301—6)

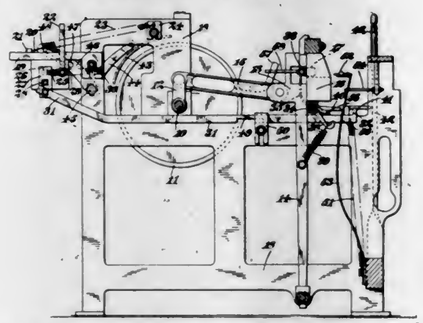
In a lawn mower of the type which has a traction driven rotary cutter, a ground wheel therefor comprising a central bearing sleeve formed with a peripheral flange, a sheet metal plate secured to said flange transverse to the axis of rotation, a stamped tubular tread portion integral with

said plate and having spurs stamped from the inner face of the tubular portion toward the cir-



cular center line thereof to form integral gear teeth.

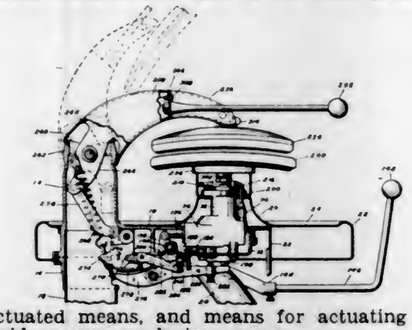
2,076,345
LOOM
Charles Marsden, Bombay Presidency, British India
Application July 25, 1935, Serial No. 33,188
In Great Britain July 1, 1935
3 Claims. (Cl. 139—115)



1. A loom comprising a back-rest, a shuttle and shuttle-box, a swell associated with the shuttle-box, a strong spring tending to move the back-rest forward to slacken the sheet of yarn, latching means normally operative to retain the back-rest in its rearmost position, means interconnected with the shuttle-box swell to positively disengage said latching means, and an interconnection between the swell and the said disengaging means to render said disengaging means inoperative when the swell is opened by the return of the shuttle to the shuttle-box.

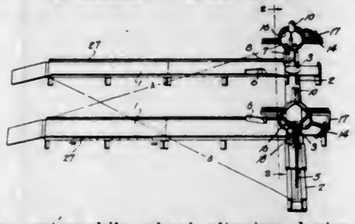
2,076,346
IRONING MACHINE
Andrew O. McCollum, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application June 23, 1934, Serial No. 732,129
14 Claims. (Cl. 38—25)

1. An ironing machine comprising cooperative ironing elements, friction means for retaining one of the elements against movement, fluid pressure actuated means for actuating the friction means, fluid pressure actuated means for moving the other element to create an ironing pressure between the elements, a pressure producing means connected to each of the fluid pressure



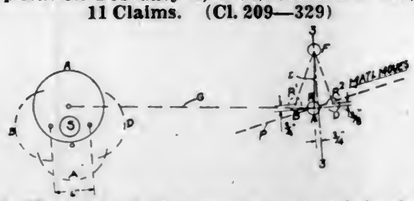
actuated means, and means for actuating the fluid pressure producing means.

2,076,347
AUTOMOBILE WHEEL ALIGNING APPARATUS
James W. Morse, Alvin I. Moore, and Charles S. Phillips, Lansing, Mich., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application January 28, 1933, Serial No. 654,060
3 Claims. (Cl. 33—203)



1. An automobile wheel aligning device comprising a runway for an automobile, auxiliary means along said runway for contacting with the automobile wheels and guiding them to an aligned position thereon, said means being adjustable laterally to accommodate different tread widths.

2,076,348
SHAKER SCREEN SUSPENSION AND OPERATION
Oluf G. Petersen, Somerset, Ky.
Application February 1, 1934, Serial No. 709,369
11 Claims. (Cl. 209—329)

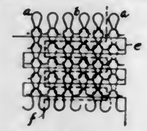


1. The method of screening material, by feeding the same as lading forwardly along a vibratory screen, where such screen and the lading thereon and its vibratory support, when permitted to swing freely, constitute a short arm pendulum having a natural rate of gravity vibration slightly less than that necessary to feed the lading forward on the screen; which includes forcibly boosting the gravity-pendulum rate of vibration of said screen to the extent necessary to smoothly advance said lading along said screen, while maintaining said pendulum that includes the screen slightly advanced to thereby advance the full pendulum path in which said screen vibrates and correspondingly slightly increase the vertical component of the forward screen movement, and decrease the vertical component of an upwardly curving rearward movement of said screen, thereby increasing the screening capacity and reducing lading bouncing and breakage, while utilizing gravity in association with said boosting force to avoid substantial power increase.

2,076,349
GYPSUM BOARD
John M. Porter and George H. Way, Elizabeth, N. J., assignors, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware
No Drawing. Application May 12, 1930, Serial No. 451,859. Renewed September 27, 1934
1 Claim. (Cl. 106—34)

An article of manufacture comprising a compressed board having an exposed gypsum surface and consisting of gypsum and 15% to 40% newspaper fibers, formed under a compression up to 1,000 lbs. per square inch, having a modulus of rupture between 850 and 1,750 lbs. per square inch and weighing from 1,750 to 2,250 lbs. per thousand square feet when $\frac{3}{8}$'' in thickness.

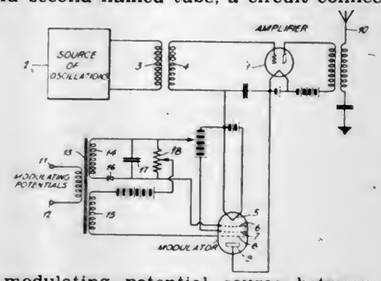
2,076,350
ELASTIC FABRIC WITH ONE OR MORE INEXTENSIBLE ZONES
Louis Roques, Paris, France, assignor to Louis Roques and Georges Arrachequesne, Paris, France, a corporation of France
Application June 17, 1933, Serial No. 676,277
In France June 20, 1932
1 Claim. (Cl. 66—190)



A knitted textile fabric having elastic side sections and a parallel sided interposed inelastic intermediate section, said sections being formed of rows of interconnected thread loops, elastic thread inlaid in said rows, and inextensible thread inlaid in parallel relation with the elastic thread in the thread loops in the inelastic intermediate section of the fabric only and restricting the elasticity of said elastic thread in said intermediate section to a degree to render said section substantially non-elastic.

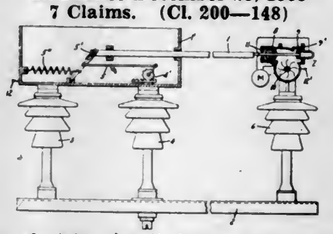
2,076,351
MODULATION
Hans Otto Roosenstein, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 28, 1933, Serial No. 700,026
In Germany December 22, 1932
8 Claims. (Cl. 179—171)

1. A device for impressing modulating potentials on a carrier wave including a first electron discharge tube having input electrodes energized by carrier waves and output electrodes, a second discharge tube having a cathode from which electron emission takes place, an anode to which said electrons are attracted when said anode is energized, a control grid, and a density grid which varies the density of the electron stream reaching said anode in accordance with the potential on said density grid, a source of modulating potentials, a circuit coupling said modulating potential source between said control grid and cathode of said second-named tube, a circuit connecting



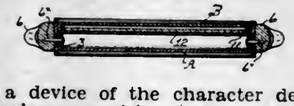
said modulating potential source between the density grid and cathode in said second-named tube, said last named circuits having a common portion, and a circuit connecting the anode to cathode impedance of said second-named tube in series with the impedance between a pair of electrodes in said first-named tube.

2,076,352
ELECTRIC CIRCUIT INTERRUPTER
Jacques Marie Saint Germain, Paris, France, assignor to General Electric Company, a corporation of New York
Application September 12, 1936, Serial No. 100,510
In France December 23, 1935
7 Claims. (Cl. 200—148)



1. An electric circuit interrupter comprising relatively movable contact structure, means for projecting an arc-extinguishing fluid into the path of the arc formed upon circuit opening movement of said contact structure, and means electrically connecting said means to said contact structure so that said means is short circuited in the closed circuit position of said contact structure and is automatically energized in response to initial circuit opening movement of said contact structure.

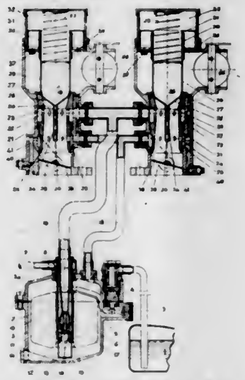
2,076,353
VANITY CASE CONSTRUCTION
Louis A. Samstag, New York, N. Y.
Application July 10, 1936, Serial No. 89,945
4 Claims. (Cl. 220—31)



1. In a device of the character described, a base member comprising a piece of sheet metal flanged longitudinally at its front and rear margins and having a flange at each side margin, forming a tray, a strain-resisting plate riveted

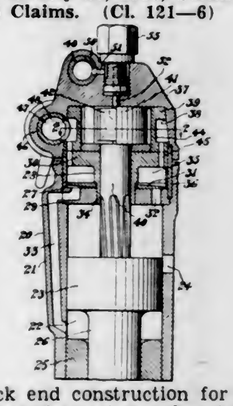
to each side flange of the tray, each strain-resisting plate being formed with a slot at one end thereof, a cover member having one end thereof curled to form a hinge sleeve, a hinge pin in said sleeve and angularly bent at each end, the bent ends of said pin being seated in the slots of the said strain-resisting plates, and a decorative end piece applied to each strain-resisting plate and covering said bent ends of the hinge pin.

2,076,354
CARBURETOR
Edouard Seignol and Francis Monier, Paris, France, assignors to Societe Auxiliaire pour le Developpement d'Industries Mecaniques S. A. D. I. M., Geneva, Switzerland, a corporation of Switzerland
Application January 11, 1935, Serial No. 1,352
In France January 12, 1934
18 Claims. (Cl. 261—77)



1. A fuel raising carburetor for an internal combustion engine comprising, in combination, a primary unit including a fluid tight constant level float chamber having communication with a source of fuel to receive fuel therefrom, a centrally disposed chamber in the primary unit having communication with the atmosphere, a choke tube in said central chamber having a constricted section forming a throat and an air entrance below said throat to receive air from the central chamber, a jet disposed coaxially within said choke tube having its lower end in communication with the float chamber to receive fuel therefrom and its upper discharge end terminating at a level with said throat section, a secondary unit including a choke tube having a constricted section forming a throat and a diverging wall section extending from the throat towards the discharge end of the choke tube, a conduit for conducting fuel from the choke tube of the primary unit to the throat section of the choke tube of the secondary unit, a throttle valve for controlling the discharge of fuel from said secondary choke tube, means for admitting air to the other end of said secondary choke tube, a valve adapted to control the delivery of air into said secondary choke tube from said means, said valve being formed integrally with a piston slidable in a cylinder and provided with a tube extending through the throat section into the diverging wall section so as to transmit the vacuum pressure at this point to the working face of the piston, said valve being responsive to the vacuum acting on the piston to open and gradually retract the entrance of said tube to a position opposite said throat section, a second conduit joining the upper level of the primary unit with said divergent wall section of the secondary unit thereby submitting the upper level of the primary unit to a lesser vacuum than that transmitted by the other connecting conduit to the primary choke tube.

2,076,355
ROCK DRILL
William A. Smith, Sr., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application February 28, 1936, Serial No. 66,175
5 Claims. (Cl. 121—6)



1. In a back end construction for rock drills the combination of a casing and a piston therein rotating mechanism in the casing for rotating the piston comprising a ratchet ring, a supply chamber for pressure fluid in the periphery of the ratchet ring, means for introducing pressure fluid into the supply chamber, and an outlet passage for the supply chamber.

2,076,356
METHOD FOR MAKING WIRE DRAWING DIES
George F. Taylor, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York
Application January 29, 1932, Serial No. 589,755
6 Claims. (Cl. 76—107)

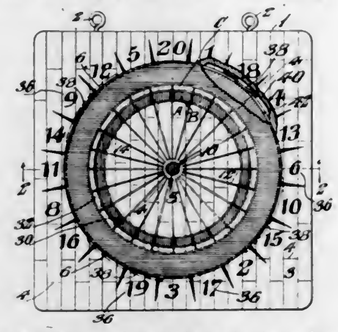


1. The method of forming a wire drawing die comprising a die holder and nib which comprises compressing the powdered ingredients comprising said nib within said die holder and between a plunger and a non-metallic plug while said ingredients are heated to their sintering temperature, said plug being provided with a central non-metallic stem extending through said die holder and having substantially the contour desired in the finished nib and removing said plug and stem.

2,076,357
DART BOARD
Thomas Wilson Tempest, Philadelphia, Pa.
Application December 12, 1936, Serial No. 115,451
6 Claims. (Cl. 273—102)

1. A dart board for a game of darts comprising a body portion having a circular opening therein, a circular target piece adapted to fit

within said opening, and means associated with the wall of said opening adapted to engage means



on the periphery of said target piece for interlocking said target piece and said body portion.

2,076,358
HAIR CURLER
Lucy Brett Andrew, Forest Hills, N. Y.
Application April 29, 1936, Serial No. 76,913
7 Claims. (Cl. 132—40)



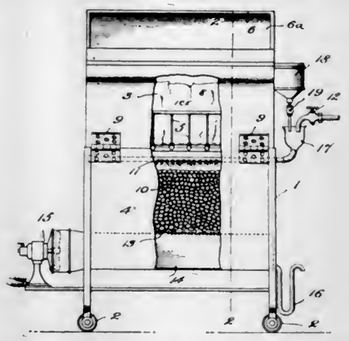
1. A hair curler for clamping flat curls, embodying a small flat base having openings through the body thereof and consisting of superposed layers of crepe tissue slightly larger than the curl, and a clamping element extending transversely of said base and threaded through the said openings to provide laterally extending retaining members bendable toward each other.

2,076,359
ELECTRICAL-SERVICE-CABLE GRIP
Charles A. Bay, Morristown, N. J., assignor to Metropolitan Device Corporation, a corporation of New York
Application June 1, 1936, Serial No. 82,831
5 Claims. (Cl. 24—136)



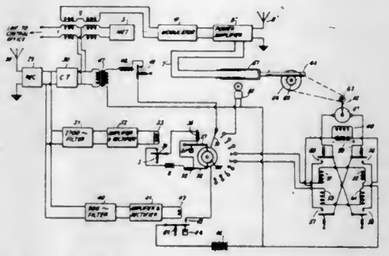
1. An electrical-service-cable grip of the type described comprising a cable-receiving element including a section forming a cable-receiving channel, and an overhanging section spaced from the cable-receiving channel and inclined to the axis thereof, and a wedge element for securing a cable in said cable-receiving channel of the cable-receiving element comprising a section for engaging a cable in the cable-receiving channel, a section extending from said cable-engaging section and having a longitudinally arcuate edge for engaging the inner surface of the inclined section of the cable-receiving element, and an extension for securing the wedge element to a support.

2,076,360
AIR CONDITIONING APPARATUS
Ernst Berl, Pittsburgh, Pa.
Application November 9, 1935, Serial No. 48,986
10 Claims. (Cl. 62—133)



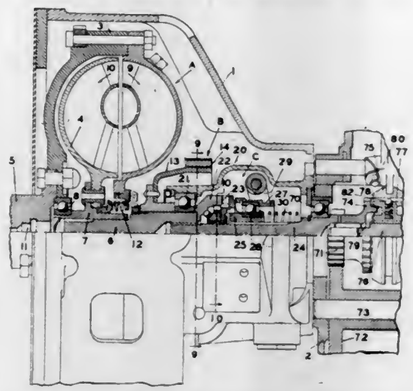
2. In an air conditioning apparatus, the combination comprising a container, a filling compartment holding a material having a highly developed surface in an intermediate portion of said container, means for passing ice water and an additional supply of cooling water through said compartment to form a thin film of water on said material, and means for passing air countercurrently to said water in contact and in intimate heat exchange therewith whereby said air is cooled and dehumidified.

2,076,361
CRYSTAL OSCILLATOR MONITOR AND CENTRALIZED CONTROL
Harold H. Beverage, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 21, 1933, Serial No. 667,253
10 Claims. (Cl. 250—17)



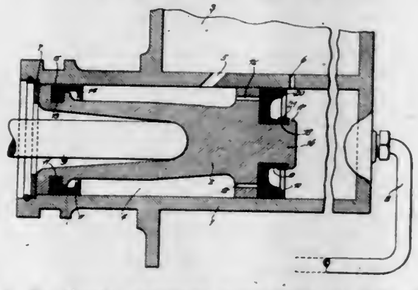
1. A monitoring system to be used with a signaling system including a plurality of transmitters each operating at different harmonically related frequencies comprising, signal receiving means of the heterodyne type including a radio frequency amplifier, a source of local oscillations and a demodulator, an oscillation generator of the constant frequency type including a crystal the frequency of which crystal is equal to the difference or to a sub-multiple of the difference between the frequencies assigned to the wave transmitting stations, a connection between said oscillation generator and the input of the demodulator of said receiving means, an intermediate frequency amplifier coupled to the output of the demodulator of said receiving means, and an indicator coupled to the output of said intermediate frequency amplifier.

2,076,362
POWER TRANSMISSION MECHANISM
Werner F. Boldt and George Harry Thomas, St. Louis, Mo.; said Boldt assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware, and said Thomas assignor to Piero Mariano Salerni, London, England
Application October 24, 1935, Serial No. 46,515
15 Claims. (Cl. 192—12)



1. In engine driven vehicles, mechanism for transmitting engine power to the wheels of a vehicle comprising a hydraulic power transmitter of the kinetic type having an impeller element and a turbine element, said turbine element being subject to torque at idling speed of the engine, a change speed gearing having a driving shaft, means comprising interengageable elements for connecting and disconnecting the turbine element and the driving shaft of the change speed gearing, means associated with said elements preventing their movement into engagement except under condition of substantially synchronous speeds, and means for controlling the rotative speed of the turbine element when the latter is disconnected from the driving shaft of the gearing.

2,076,363
PACKING CUP
Albert Brunner, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application March 23, 1935, Serial No. 12,546
4 Claims. (Cl. 309—33)



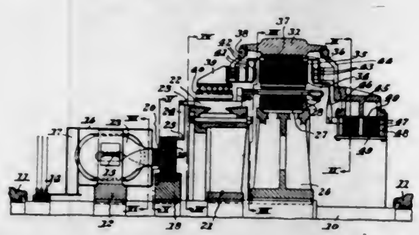
1. In liquid pressure apparatus of the class described, a cylinder, a piston reciprocable therein and having a flange thereon and a head portion spaced from the flange and of a diameter not less than that of the flange, an annular rubber packing element surrounding and contacting a portion of the piston adjacent the flange and being held in position thereby, said packing element being subject to expansion under the action of heat and of the liquid in contact therewith which tends to cause an increase in its internal diameter, and a distortable unsplit non-expansible band surrounding and engaging a portion of the packing element opposite the portion that contacts the piston to thereby prevent increase in the internal diameter of the packing element, said band being of smaller internal diameter than the external diameter of the flange of the piston but not of sufficiently smaller diameter that it cannot be passed thereover by distorting the band into the form of an ellipse, the major axis of which is greater than the diameter of the flange of the piston.

2,076,364
OXYFLUORIDE OF NITROGEN
George H. Cady, Wadsworth, Ohio
No Drawing. Application August 29, 1936, Serial No. 98,599
7 Claims. (Cl. 23—203)

1. As a new chemical compound, NO_3F.

3. A process of preparing nitrogen trioxy fluoride which comprises contacting cold dilute nitric acid with fluorine gas.

2,076,365
DIRECT CURRENT SUPPLY SYSTEM
James V. Caputo, Girard, Ohio
Application September 30, 1933, Serial No. 691,687
8 Claims. (Cl. 171—123)

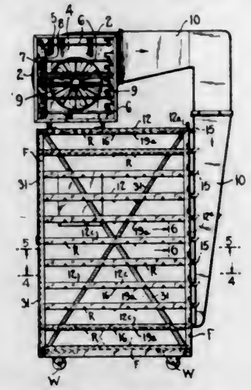


4. A dynamo-electric machine comprising a yoke, a shaft coaxial therewith, an armature disposed on the shaft for rotation within the yoke, a plurality of transformers on the shaft, and a plurality of flat, annular interconnecting rings disposed edgewise on the shaft, the secondary windings of the transformers being connected to the rings, and the rings being connected to the armature by means including terminals extending axially through the rings.

2,076,366
HARD CARBIDE COMPOSITION
Hugh S. Cooper, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
No Drawing. Application September 28, 1935, Serial No. 42,711
2 Claims. (Cl. 75—136)

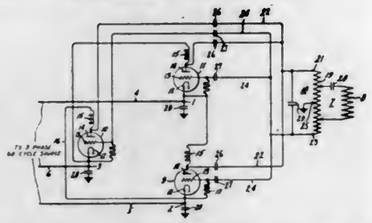
1. A cast alloy consisting chiefly of molybdenum carbide and vanadium carbide, said carbides being present in said alloy in substantially equal parts by weight, the remainder of said alloy consisting of metal of the iron group.

2,076,367
METHOD OF AND APPARATUS FOR DRYING CARBON TISSUES
Gustave A. Friess, Rye, N. Y., assignor to News Syndicate Co. Inc., New York, N. Y., a corporation of New York
Application April 29, 1935, Serial No. 18,759
4 Claims. (Cl. 34—24)



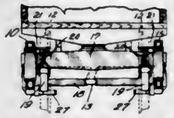
1. A method of drying carbon tissue which consists in supporting a sheet of wet carbon tissue upon a substantially rigid support, and directing a current of heated air against the exposed face of said carbon tissue, while preventing contact between said air current and a sufficient edge portion of said tissue, so as to cause said tissue to dry and shrink substantially uniformly.

2,076,368
HIGH FREQUENCY POWER SUPPLY SYSTEM
George W. Fyler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 3, 1935, Serial No. 19,712
6 Claims. (Cl. 250—36)



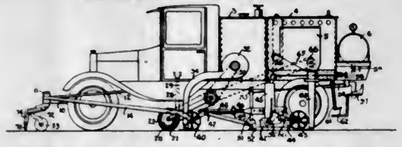
1. In combination, an alternating current supply line, an oscillation generator to be energized from said supply line, said oscillation generator comprising a plurality of electron discharge devices each having a cathode, a grid, and an anode, said cathodes being connected respectively, directly to different sides of said line, said anodes being connected respectively each through a choke coil to sides of said line different from the sides to which the corresponding cathodes are connected, and means including an oscillation circuit having an intermediate point connected to said cathodes, a second point connected to said anodes, and a third point connected to said grids to generate oscillations by said discharge devices and to utilize said choke coils substantially to exclude said oscillations from said supply line.

2,076,369
BRAKE BEAM SAFETY STRAP
Ruby R. Hawk, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application April 1, 1933, Serial No. 663,957
32 Claims. (Cl. 188—210)



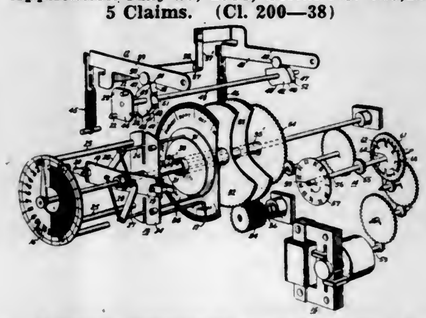
6. As a new article of manufacture, a safety strap having a downwardly extending projection at one end thereof and being curved intermediate its ends in a plane at substantially right angles to said projection so that the opposite ends thereof extend in directions at substantial angles with respect to each other.

2,076,370
ROAD MARKING COMBINE
Everett H. Hollingshead, Dayton, Tex., assignor to Road Striping, Inc., Houston, Tex., a corporation of Texas
Application June 15, 1933, Serial No. 675,964
11 Claims. (Cl. 91—13)



7. A road marking machine including a vehicle, a frame pivoted to said vehicle at one side thereof, a carriage pivoted to said frame, a marker shoe adjustably arranged on said carriage to drag on the surface being marked, and a feeder mechanism to supply marking material to said shoe, said mechanism including a hopper, and means to control the flow of material to said shoe.

2,076,371
TIME SWITCH
Frederick W. Hottenroth, Jr., Lynn, Walter P. Blanchard, South Hamilton, and George W. Sprenger, Lynn, Mass., assignors to General Electric Company, a corporation of New York
Application May 29, 1934, Serial No. 728,124
5 Claims. (Cl. 200—38)



1. A switch comprising in combination, a pair of pivoted switch arms, a pair of contacts carried thereby, directed toward each other and arranged to make a wiping contact when said switch arms swing toward each other, a pair of cam followers, each mounted on one of said switch arms, a pair

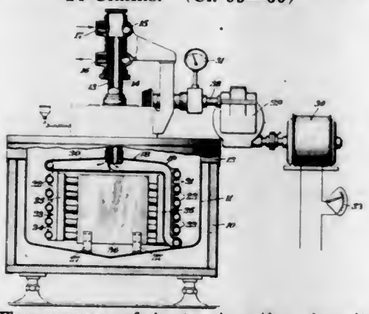
of rotatable cams, each adapted to engage one of said cam followers, resilient means tending to rotate each of said switch arms in such a direction as to cause said cam followers to bear against the corresponding cams, a common shaft supporting said cams, means periodically engaging said shaft to rotate the same a part of a revolution, each of said cams being shaped with a portion of gradually increasing radius followed by a portion of abruptly decreasing radius followed in turn by a portion of radius increasing to the minimum radius of said first mentioned portion, said cams being so arranged that the cam follower of one rides over the end of the first mentioned increasing radius portion of the cam to the portion of abruptly decreasing radius substantially as the cam follower of the other cam rides along the beginning of the first mentioned increasing radius portion of its corresponding cam and vice versa, whereby both of said switch arms are rotated together until the cam portion of abruptly decreasing radius is reached when the energy stored in one of said resilient means serves to assist in causing rapid rotation of said cam shaft as one of said cam followers rides down said cam portion of abruptly decreasing radius and one of said switch arms is abruptly rotated toward said cam shaft, said contacts being so mounted on said switch arms that, when one cam follower rides down the cam portion of abruptly decreasing radius, the contacts are snapped apart and, when the other cam follower operates in a corresponding manner, the contacts are snapped together.

2,076,372

PROCESS FOR IMPROVING THE VISCOSITY OF CERTAIN FATTY LIQUIDS

Oliver W. Hunter, Los Angeles, Calif., assignor, by direct and mesne assignments, to Jensen Creamery Machinery Company, Inc., Bloomfield, N. J., a corporation of New York

Application April 23, 1932, Serial No. 607,056
14 Claims. (Cl. 99—60)



1. The process of increasing the viscosity of cream which comprises heating a body of the same from the congealing temperature of the butter fat in the cream to approximately the melting temperature of said butter fat, but not appreciably higher and cooling said body of cream to the congealing temperature of the butter fat.

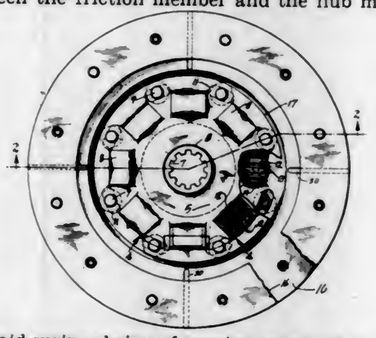
2,076,373

DRIVEN MEMBER OF A CLUTCH

Morris Katcher, New York, N. Y.

Application March 25, 1936, Serial No. 70,748
11 Claims. (Cl. 192—68)

1. A driven member for friction clutches, comprising a hub member having a flange, a friction member with its inner portion overlapping said flange on one side thereof, the outer portion of the friction member extending radially substantially as an annular disc beyond the flange for supporting friction facings on its sides, means for slidably fastening together said flange and friction member, the overlapped parts of said flange and friction member having registering substantially rectangular openings, coil springs seated in said openings forming a sectional spring cushion between the friction member and the hub member, said springs being of greater outside diameter than the combined thickness of said parts adjacent said openings, semi-cylindrical housings integral with said flange extending from all the edges of its openings over the springs on the side thereof away from the friction member, and means at the openings integral with the friction member extending over the spring on the side of the friction member away from the flange, said housings and said means retaining the springs between them in the openings.

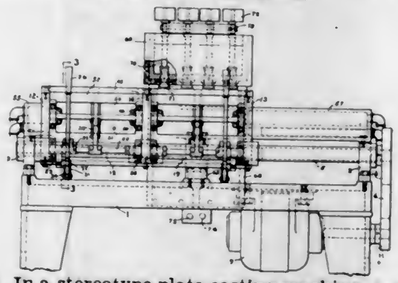


2,076,374

CASTING MACHINE

Andrew King, Penn Valley, Pa.

Application January 10, 1933, Serial No. 650,984
13 Claims. (Cl. 22—2)



9. In a stereotype plate casting machine, a stationary mold member, a plurality of movable mold members adapted to cooperate with said stationary member to form molds, means for simultaneously moving said plurality of mold members to position one adjacent said stationary member and one away from such location, and means for independently moving each of said second mold members toward and away from said first mold member.

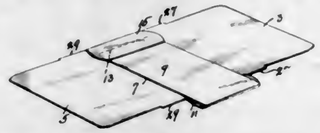
2,076,375

CARDBOARD BOX

John C. Krudener, Cliffside Park, N. J., assignor to Continental Folding Paper Box Co., Inc., Ridgefield, N. J., a corporation of New York

Application July 21, 1936, Serial No. 91,701
7 Claims. (Cl. 40—126)

7. An article of the class described, comprising a sheet of flexible material cut to form a central body member which is eventually to constitute the front wall of the completed article, integral portions which are eventually to constitute the side walls of the article, said portions being of such dimensions as to be overlapped in the completed article, lateral projecting members at opposite sides of said central body member, scoring along the line of juncture of each of said members to said central body member to facilitate the folding of said members at right angles thereto to constitute flat end walls of the completed article, a laterally extending portion which is eventually to constitute the rear wall of the completed article integral with one of said members, scoring along the line of juncture of said rear wall member to facilitate folding of the same and a flap at the extremity of said rear wall member secured to the flat end wall member at the opposite side of said central body portion, the portions constituting the side walls being rolled under said rear wall member in overlapping relation to retain said rear wall separated from said front wall and to provide rounded or curved side walls for the completed article.

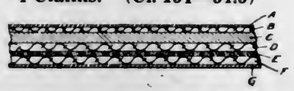


2,076,376

IMPRESSION BLANKET

Robert R. Lewis, Baldwin, and Albert J. Weiss, Mineola, N. Y., assignors to Vulcan Proofing Company, New York, N. Y., a corporation of New York

Application February 24, 1934, Serial No. 712,702
Renewed January 6, 1937
4 Claims. (Cl. 154—54.5)



1. A blanket for the cylinder of a rotary printing press, said blanket comprising a face layer of fabric and at least two additional body layers of fabric, the face layer of fabric having a surface coating of ink-resistant material, the face layer of fabric being connected to the adjacent body layer of fabric by an intermediate layer of resilient material, the body layers being also connected to each other by an intermediate layer of resilient material, the face layer of fabric being thinner than the adjacent layer of resilient material and the succeeding fabric body layers, said face layer of fabric being sufficiently stretchable and strong to enable the blanket to be stretched under tension around the impression cylinder and to withstand the impact of the printing means, without breakage of said face layer.

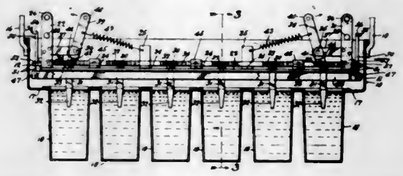
2,076,377

APPARATUS FOR MOLDING FROZEN CONFECTIONS

Ludwig Loewenstein, Chicago, Ill.

Application July 31, 1934, Serial No. 737,816
3 Claims. (Cl. 107—8)

1. In a confection molding device, a mold having a plurality of mold cavities, a portable carrier supported above said mold cavities, pins depending from said carrier into said mold cavities to have the confections congeal thereon, means for rotating said pins to break the bond with the confections, and means for holding the confections against movement during the rotation of said pins, said holding means constituting a guard for the free pin ends.

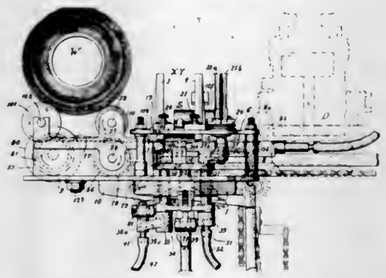


2,076,378

BANDING AND WRAPPING MACHINE

Francis X. Malocsay, Upper Saddle River, N. J., assignor to International Banding Machine Company, a corporation of New York

Application August 11, 1934, Serial No. 739,363
11 Claims. (Cl. 93—2)



1. The combination with a cigar banding and wrapping machine, adapted to apply a cigar band around a cigar and wrap a transparent wrapper over it, so that the cigar band can be seen and read through the wrapper; a wrapper holder, a label holder, of pneumatic means to deliver a cigar band together with a wrapper toward a cigar banding and wrapping position, said means comprising a reciprocating carriage, means to transfer a cut-off wrapper portion from the wrapper holder and place it on top of said carriage, pneumatic means to convey a cigar band from a magazine to the top of said carriage, means to place a cut-off wrapper portion from a wrapper supply source on top of said band suction means operatively connected with said carriage to hold the band in fixed relationship to the wrapper on said carriage during transit, and vacuum controlling means to release the band and wrapper when the carriage has reached the banding and wrapping machine.

2,076,379

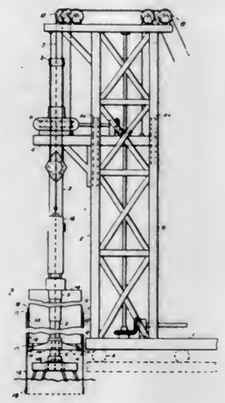
CAISSON

William R. Marsden, Brooklyn, N. Y.

Application February 8, 1935, Serial No. 5,543
4 Claims. (Cl. 255—19)

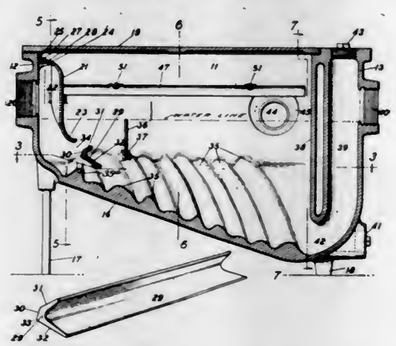
1. In a machine for subsurface construction work, a cylindrical caisson having a lower cutting revolving section and a contiguous upper section, a limited sliding connection between said sections, a telescoping hollow shaft for revolving

the lower section, adjustable metal arms mounted on said shaft engaging the cutting section, and



a boring tool mounted on the lower end of said hollow shaft.

2,076,380
OIL INTERCEPTOR
Samuel L. Marsh, New York, N. Y., assignor to M. Calm, New York, N. Y.
Application October 25, 1933, Serial No. 695,203
19 Claims. (Cl. 210—56)

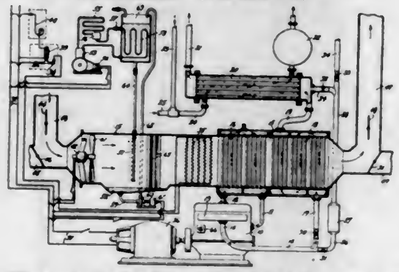


1. Separating apparatus of the class described comprising a basin having an inlet for liquid mixture to be separated, an outlet for reclaimed floating substances, and an outlet for water; a baffle plate for directing the mixture entering the basin downwardly to submergence beneath a quiescent body of fluid normally present during operation of the basin, said baffle plate forming together with the surrounding wall portions of the basin a substantially horizontally extending flattened mouth for the mixture to enter; and a flow dividing deflector bar arranged substantially horizontally parallel to said mouth and interposed in the stream of mixture issuing from said mouth and associated with said mouth in a manner to form therewith throat-like passages for divisional streams superimposed one upon the other, said deflector bar shaped to have a substantially wedge-like cross-sectional profile the apex portion of which profile points in a direction opposite to the flow of entering liquid.

2,076,381
PROCESS FOR MANUFACTURING METAL BODIES
Theodore Millner, Ujpest, and Paul Túry, Budapest, Hungary, assignors to General Electric Company, a corporation of New York
No Drawing. Application April 11, 1933, Serial No. 665,620. In Germany and Hungary April 22, 1932
3 Claims. (Cl. 148—13)

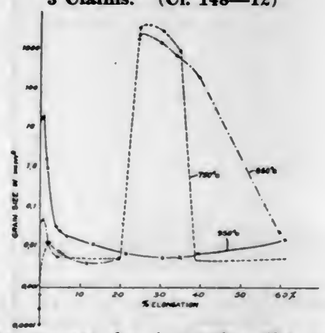
1. The process of manufacturing tungsten bodies of large crystal structure which comprises forming by molding a blank of finely divided tungsten in a substantially pure state, sintering said blank in an atmosphere of hydrogen, and then heating said blank at approximately 2000° C. in an atmosphere of hydrogen and water vapor until crystallization occurs.

2,076,382
HEATING, LIGHTING, AND POWER SYSTEM
Ogden Minton, Greenwich, Conn.
Application September 29, 1934, Serial No. 746,049
24 Claims. (Cl. 290—2)



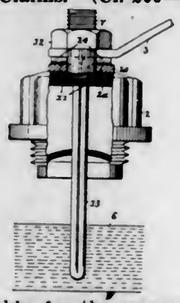
4. The method of supplying heat, light and power which comprises operating an electric generator by an internal combustion engine to produce electric energy for heat, light and power, circulating air through an enclosure, transferring to the air heat developed by the engine and heat produced by electric energy generated by the generator, and controlling the engine and generator to control the temperature of the air in the enclosure.

2,076,383
PROCESS FOR IMPROVING THE MAGNETIC PROPERTIES OF SILICON STEEL
Franz Pawlek, Berlin-Niederschoneweide, and Otto Dahl, Berlin-Friedenau, Germany, assignors to General Electric Company, a corporation of New York
Application February 26, 1935, Serial No. 8,276
In Germany May 14, 1934
3 Claims. (Cl. 148—12)



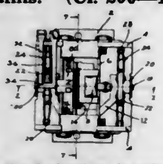
1. The process for improving the magnetic properties of silicon steel which comprises cold rolling the steel to effect a reduction in thickness of more than 15%, annealing the steel at a temperature at which recrystallization takes place but below 950° C., cold rolling the steel to effect a reduction of 15% to 45% in thickness and finally annealing the steel at a temperature between 950° C. and 1100° C., said first mentioned anneal and last reduction being such that the product after said final anneal exhibits a structure of large macro-crystals.

2,076,384
BATTERY ELECTROLYTE INDICATOR
Robert Perthel, Nutley, and Frank B. Lockwood, Jr., Clifton, N. J.
Application August 29, 1936, Serial No. 98,462
10 Claims. (Cl. 200—152)



1. An assembly for the purpose described including a battery cap structure, a terminal extending down through the cap structure and having a lateral extension, and means on the cap structure coactive therewith to clamp together said extension and the end of an electric-circuit conductor.

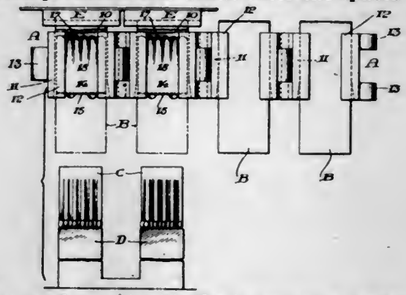
2,076,385
CIRCUIT CONTROL DEVICE
Carl M. Petersen, Morrisville, Pa.
Application November 23, 1934, Serial No. 754,400
17 Claims. (Cl. 200—116)



1. A circuit control device having in combination a contact, a movable switch element, an oscillating contact operating member movable from one limiting position to another and operatively connected to said switch element to move the same into or out of engagement with said contact, snap acting means for actuating said member, movable retaining means normally positioned to arrest movement of said contact operating member in an intermediate position and current responsive means operable upon overload of said circuit to release said member for movement to a circuit breaking position.

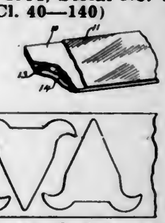
2,076,386
CARRIER FOR MATCH BOOKING MACHINES
Clive H. Sickmon, Springfield, Mass., assignor to The Diamond Match Company, Wilmington, Del., a corporation of Delaware
Application June 20, 1936, Serial No. 86,310
4 Claims. (Cl. 93—2)

1. A cover and match card carrier for match booking machines, comprising a plurality of holders each having a clamping leaf whereof the bearing surface is provided with a series of spaced protuberances which enter the spaces be-



tween and co-act with the longitudinal edges of the adjacent matches during the insertion of a match card in the holder.

2,076,387
MANUFACTURE OF ORNAMENTS
Leo K. Stupell, New York, N. Y., assignor to Coro-Gram Inc., New York, N. Y., a corporation of New York
Application February 26, 1934, Serial No. 712,997
6 Claims. (Cl. 40—140)



6. As a new article of manufacture, a monogram sheet stock comprising a layer of thin brass, a metal facing attached to one face thereof, and dried flexible cement backing attached to the other face thereof.

2,076,388
WALL CONSTRUCTION
Frederick M. Venzie, Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware
Application July 22, 1933, Serial No. 681,679
3 Claims. (Cl. 189—34)



3. A wall bounded by fixed supports comprising a multiplicity of similarly shaped surfacing units

having parallel major surfaces, tongues and grooves on each of said units, means engaging the tongue of one unit and the groove of an adjacent unit for connecting said units, studs positioned outside of the planes in which said major surfaces lie, means lying between said planes for resiliently spacing said connected units from said fixed supports, and means engaging said units for resiliently connecting said units to said studs.

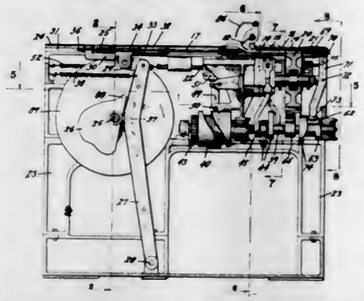
2,076,389

MACHINE FOR COMPRESSING COTTON WADS

Joseph A. Voss, Denver, Colo., assignor to Tampax Sales Corporation, Denver, Colo.

Application May 3, 1935, Serial No. 19,658

8 Claims. (Cl. 18—5)



3. A machine for compressing cotton strips into compressed self-sustaining cores comprising: an inserting member; a compression chamber for receiving said cotton from said inserting member; laterally moving dies initially compressing said cotton in said compression chamber; a longitudinal moving plunger for imparting a second compression to said cotton therein; a guide block on the discharge extremity of said compression chamber in alignment with said plunger; a traveling series of receiving chambers; means for successively aligning said chambers with the passage in said guide block so that said plunger may force the wad from said compression chamber through said guide block into one of said receiving chambers; a heading die; and means for moving said heading die against each of said receiving chambers when the latter are in alignment with said compression chamber.

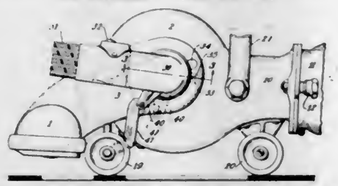
2,076,390

SUCTION CLEANER

Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 1, 1933, Serial No. 700,386

18 Claims. (Cl. 15—9)



1. In a suction cleaner of the type including suction-creating means, and a driven agitator; means supporting said agitator relative to a surface covering undergoing cleaning, a dusting tool unit adapted to be connected to said suction-creating means, said unit being movable to and from a seating position relative to said means, and cooperating means on said cleaner and on said unit functioning upon the moving of said unit into its seating position to raise said agitator above the surface covering undergoing cleaning.

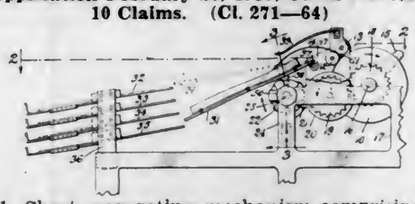
2,076,391

SHEET SEGREGATING APPARATUS

Dean H. Whitehead, Chicago, Ill., assignor of one-half to John R. Nalbach, Oak Park, Ill.

Application February 27, 1935, Serial No. 8,490

10 Claims. (Cl. 271—64)



1. Sheet segregating mechanism comprising a plurality of sheet receptacles, a swinging sheet guide arranged for movement into registration with said receptacles, and selectively operable members each for actuating said guide into registration with selected receptacles in a sequence different from that effected by the remaining member or members.

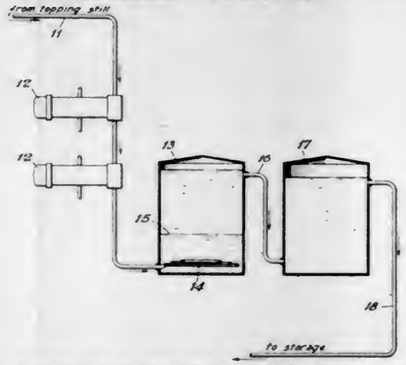
2,076,392

DEHAZING FURNACE OIL

Richard Z. Williams, Destrehan, La., assignor to Pan American Petroleum Corporation, New York, N. Y., a corporation of Delaware

Application January 8, 1936, Serial No. 58,169

12 Claims. (Cl. 196—41)



1. A method of treating and dehazing a petroleum distillate having a Saybolt universal viscosity within the range 33–70 seconds at 100° F., a 10% A. S. T. M. distillation point within the range 400° F.–425° F., and an A. S. T. M. end distillation point within the range 500° F.–800° F., comprising treating said distillate with an aqueous solution of alkali at a temperature within the approximate range 170° F.–210° F.

2,076,393

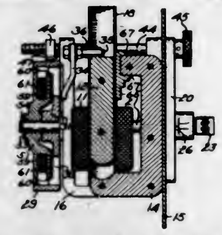
REGULATING APPARATUS

James W. Armour and L. V. Andrews, Worcester, Mass., assignors to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts

Application March 7, 1934, Serial No. 714,539

9 Claims. (Cl. 171—242)

1. Regulating apparatus comprising an annular electrical coil, a core axially slidable through the coil to vary the reactance thereof, and an iron member arranged with its ends adjacent to the ends of the core to form a return path for the



magnetic flux, said member having a portion which may be readily removed to produce an air gap in the return path and thus decrease the reactance of the coil.

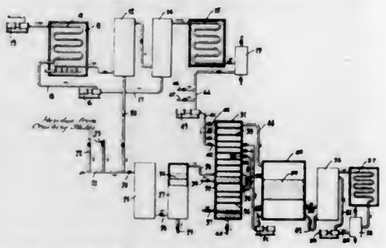
2,076,394

TREATMENT OF HYDROCARBON OILS

George Armistead, Jr., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application November 21, 1929, Serial No. 408,704

3 Claims. (Cl. 196—96)



1. The process of treating hydrocarbon oil which comprises subjecting said oil to cracking temperature under superatmospheric pressure to cause conversion thereof into lighter products, separating the resulting hot cracked products into a distillate of a given end point higher than that desired for the final product and a hot residue, vaporizing said residue by reducing the pressure thereon, redistilling said distillate by thermal contact with the vapors derived from the vaporized residue, fractionating the combined vapors to separate vapors of the desired end point, and treating said vapors last mentioned, while still hot, with solid adsorbent catalytic material to effect polymerization of unstable constituents and form a desired product free from said distillate first mentioned.

2,076,395

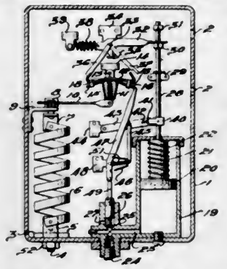
OIL BURNER CONTROL

Philip S. Arnold, Flint, Mich.

Application May 13, 1936, Serial No. 79,554

6 Claims. (Cl. 236—87)

4. An oil burner control comprising a perforated casing, a cylinder mounted in the casing, an air conduit opening into the bottom of the cylinder, a vent valve for the air conduit, a lever pivotally mounted in the casing and turnable to one position to close the vent valve and turnable to another position to open the vent valve, a trigger pivotally mounted adjacent the free end of the lever and turnable on its pivot to move one end or the other of the trigger into the path of travel of the lever, a thermostat connected to turn the trigger on its pivot, a piston movable upwardly in the cylinder by air pressure, a spring tending to move the piston downwardly in the



cylinder and means connected to the piston for applying pressure to the lever at one side or the other of its pivot.

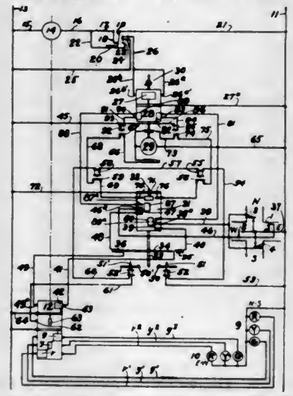
2,076,396

TRAFFIC SIGNAL

Arthur Ayling Blue, Westfield, N. J., assignor of one-fourth to The Gamewell Company, Newton, Mass., a corporation of Massachusetts

Application October 4, 1928, Serial No. 310,263

24 Claims. (Cl. 177—337)



7. In a system for controlling traffic at highway intersections, a signal for approaching vehicles on each highway including clear and stop indications, constantly operating timing means operative regardless of traffic conditions for controlling said signals whereby said timing means operates through successive cycles during which the signal for one highway changes from the stop indication to clear and then back to stop while the signal for the other highway changes from the clear indication to stop and then back to clear, and means influenced by the approach of a vehicle on one highway for automatically reducing the time of operation of said timing means for reducing the period of operation of the clear indication for the other highway.

2,076,397

ANTIGLARE DEVICE

John C. Cady, Enfield, Conn.

Application November 14, 1935, Serial No. 49,705

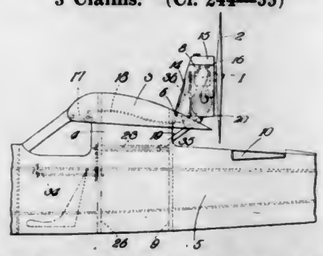
6 Claims. (Cl. 296—97)



1. An anti-glare screen comprising two or more convexo-concave cylindrical lenses, said lenses

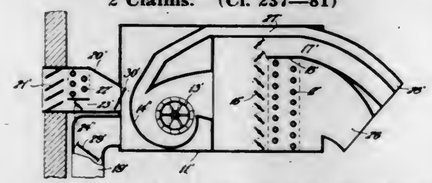
positioned adjacent to and approaching each other at a horizontal axis about midway their height, and having their concave surfaces toward the driver of the vehicle.

2,076,398
AIRCRAFT
John Valentine Carden, Camberley, England
Application April 12, 1935, Serial No. 15,985
In Great Britain April 18, 1934
3 Claims. (Cl. 244—55)



1. A glider or sailplane having as its sole power propulsion means adapted for use or withdrawal at will an auxiliary power propulsion unit in the upper portion of the fuselage of said glider in the form of a small engine and an airscrew in driving connection therewith, there being a cowling on said engine, said propulsion unit when in its operative position occupying an exposed position upon said upper portion of the fuselage in which it lies outside and above the contour of the structure of the glider, and there being a recess in the upper surface of said fuselage and said cowling, and means for moving and lowering the whole of said propulsion unit into an inoperative withdrawn position in which the airscrew lies within said recess in the upper surface of the fuselage and said cowling, and reduces the entire plane structure substantially to the proportions and outline of a mere glider, there being pivoted flaps on said fuselage for closing said recess.

2,076,399
METHOD OF HEATING AND VENTILATING
Clifford C. Carson, Cleveland, Ohio
Application May 21, 1931, Serial No. 539,062
Renewed August 19, 1936
2 Claims. (Cl. 237—81)

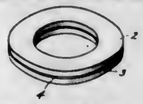


1. That method of heating and ventilating a room or enclosure which comprises introducing a mixture of outside air and room air into a heater; heating a portion of the air; discharging the heated air into the lower portion of the room or enclosure; by-passing a portion of the air mixture above the heated air stream; discharging the by-passed air in the form of a curtain-like stream above the heated air stream; and simultaneously discharging a confining stream of air at high velocity and at a lower temperature than the by-passed air above both of said streams whereby to cause the resultant air currents to travel for a substantial distance through the lower portion of the room or enclosure.

2,076,400
LACTEAL DERIVATIVE
Forest H. Clickner, Chicago, Ill., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 16, 1934, Serial No. 720,808
3 Claims. (Cl. 204—9)

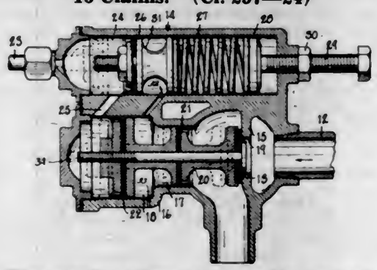
1. A continuous method of precipitating a therapeutic composition containing a substantial proportion of assimilable calcium and phosphorus salts which comprises passing an acid whey solution having a pH value of about 4.3 through a cathode compartment of an electrolytic cell having the anode thereof bathed in a salt solution of a highly ionizable alkali metal and separated from said cathode compartment by a semipermeable material so that the pH value of the whey solution on leaving said compartment is about 5.7.

2,076,401
JOINT PACKING AND MANUFACTURE THEREOF
Edward Cornell Emanuel, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application September 28, 1932, Serial No. 635,149
18 Claims. (Cl. 18—48)



1. In a process of making joint packings, the steps consisting in milling together a relatively stiff, jelly-like, plasticized gelatinous binder and a minor portion by weight of tannin carrying filler of such fineness that substantially all will pass through a 40 mesh/inch screen, forming a homogeneous mass in which the binder is tanned by the tannin carried by the filler while preventing the temperature of the mass from rising substantially above 145° F., removing the mass from the mill and shaping the same.

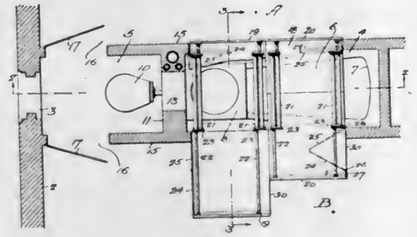
2,076,402
CONDENSER COOLING WATER CONTROL
Roland J. Fairchild, Kalamazoo, Mich.
Application April 22, 1935, Serial No. 17,578
13 Claims. (Cl. 257—24)



1. The combination of a water cooled condenser having a water discharge delivering to a drain, and means for supplying said condenser with cooling water, including a primary water supply and a secondary water supply, the primary water supply being relatively inexpensive and relatively subject to failure, and the secondary water supply being relatively expensive and relatively not subject to failure, the primary water supply being connected to said condenser for normally supplying the same with cooling water,

and a control responsive to the water pressure of said secondary water supply and of said primary water supply for automatically connecting said secondary water supply to said condenser in case of the failure of the primary water supply, said control comprising a secondary water supply conduit and a primary water supply conduit connected to a common condenser cooling water inlet, a control casing having a transverse partition provided with an opening in line with said secondary water supply conduit, a cylinder having a medial portion and an enlarged portion axially alined with said opening, a differential piston having a main valve normally closing said opening, a medial plunger coacting with the medial portion of said cylinder and an enlarged plunger coacting with the enlarged portion of said cylinder, means including a by-pass connecting the common inlet with the enlarged portion of the cylinder on the side of plunger opposite said main valve, a normally open spring-closed valve controlling said by-pass, the spring-closed valve normally being held open by the primary water pressure within said inlet, the effective area of said enlarged plunger being greater than that of said medial plunger and of said main valve whereby said main valve is normally closed, the failure of said primary water supply resulting in the moving of said spring-closed valve to cut off communication between said enlarged cylinder portion and said inlet and the opening of said main valve so that the secondary water supply is automatically substituted for the primary water supply.

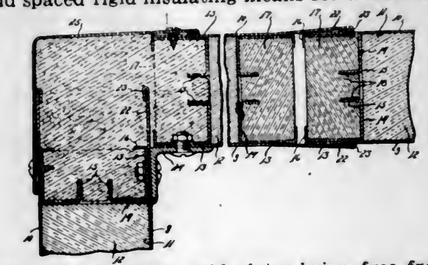
2,076,403
BUILDING CONSTRUCTION
Gerald K. Geerlings, Bala-Cynwyd, Pa.
Application October 10, 1932, Serial No. 637,158
11 Claims. (Cl. 20—1.11)



1. In building construction, a chamber or compartment, a relatively small and narrow compartment adjacent said first compartment and separated therefrom by a common wall having a passage opening therein, at least a portion of said small compartment being taken off said first compartment, a pair of movable doors for said opening which aline with each other and with said common wall in their closed positions, and extensible means attached to said doors and forming therewith when the doors are opened a complete enclosure about a small space adjacent said small compartment, whereby said small compartment may privately and conveniently be used.

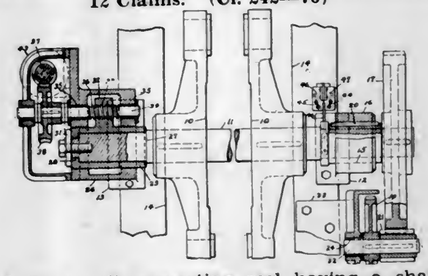
2,076,404
PANEL AND JOINT CONSTRUCTION
Emerald C. Herrington, Ferndale, Mich.
Application April 8, 1936, Serial No. 73,252
9 Claims. (Cl. 72—16)

1. In a construction of the class described, a pair of spaced metallic plates; friable insulating material packed in the space between said plates; and spaced rigid insulating means for connecting



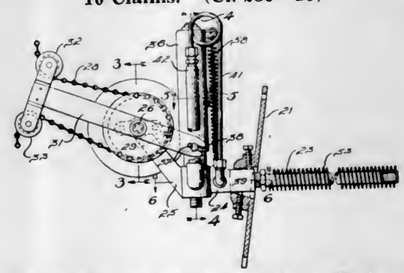
said plates together, said plates being free from metallic interconnections.

2,076,405
WEB ROLL SUPPORT
Albert J. Horton, White Plains, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application December 29, 1934, Serial No. 759,639
12 Claims. (Cl. 242—76)



5. In a roll supporting reel having a shaft, sleeve members in which said shaft is rotatably supported adjacent each end, means to confine one end of the shaft to one sleeve, supports in which said sleeves are axially movable, means for moving the confined sleeve axially to thereby move the shaft, and means for rotating the shaft.

2,076,406
TEMPERATURE CONTROL DEVICE
Fred M. Kern, Detroit, Mich.
Application March 20, 1935, Serial No. 11,943
10 Claims. (Cl. 236—16)



1. A device for regulating the draft doors of a furnace including, in combination, a casting, a rocker arm supported on said casting for actuating the doors, a cylinder secured to said casting, a piston in said cylinder, a movable cylinder extending over said first cylinder, and engaging said piston, means interconnecting said arm with said movable cylinder for effecting its ac-

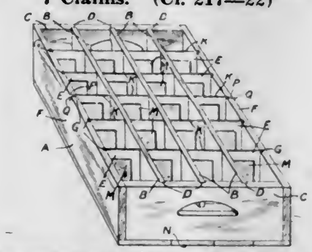
tuation upon movement of the piston, and a heat sensitive device including a tube containing an expansible fluid which operates said piston when the tube is heated.

2,076,407
CLOSURE FOR CONTAINERS
Irving F. Mandell, North Quincy, Mass., assignor to Reinforced Paper Bottle Corporation, New York, N. Y., a corporation of Delaware
Application December 20, 1935, Serial No. 55,355
2 Claims. (Cl. 229—5.6)



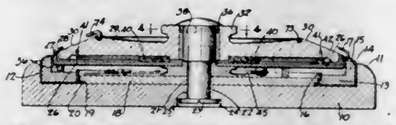
1. A closure disc having a concentric indenture formed up on its face in proximity to its periphery and serving to weaken the edge fibre of the paper to prevent its buckling as it is being spun into the edge of the body.

2,076,408
CASE PARTITION
Ralph Mattick, St. Louis, Mo., assignor to General Metal Products Company, St. Louis, Mo., a corporation of Missouri
Application June 10, 1935, Serial No. 25,799
7 Claims. (Cl. 217—22)



1. A partition for cases comprising a sheet of metal having a series of notches extending inwardly from an edge thereof and adapted and arranged to receive partitions extending at right angles thereto and said sheet having a flange formed along the lower longitudinal edge thereof and said flange being inclined upwardly from said lower edge at each end thereof.

2,076,409
GAME COUNTER
Jay D. McClure, South Bend, Ind., assignor of one-fourth to Frank W. Putnam, one-fourth to Ora J. Garner, and one-fourth to Claude H. Kaysen, all of South Bend, Ind.
Application March 1, 1935, Serial No. 8,820
7 Claims. (Cl. 235—116)



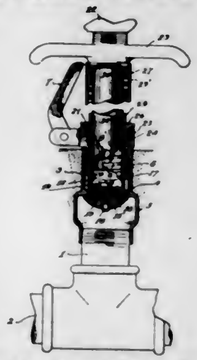
1. A game counter comprising, a base, a hundreds rotor supported by said base rotatable relative thereto, a units rotor rotatable relative to said base on an axis common to said hundreds rotor, a cover having a dial thereon rotatable on an axis common to said rotors and rotatable counter-clockwise relative to said rotors, means cooperating with said cover and units rotor to cause said units rotor to rotate clockwise in unison with said cover, means cooperating with said units rotor and hundreds rotor to cause said hundreds rotor to rotate one point upon each full revolution of said units rotor, and means for registering on said dial the number of points each of said rotors has been rotated.

2,076,410
MASSAGE INSTRUMENT
James J. McGerry, Grand Rapids, Mich., assignor, by direct and mesne assignments, to Automatic Musical Instrument Company, Grand Rapids, Mich.
Application April 8, 1935, Serial No. 15,355
2 Claims. (Cl. 128—55)



1. In a structure of the class described, a transparent vacuum cup, a vacuum chamber connected thereto with pump to induce the vacuum, an adjustable relief check valve for controlling the extent of the vacuum comprising a cup with a ball valve and spring for holding the same to its seat, a vibrating applicator centrally disposed within the cup, a plunger for supporting the same for axial reciprocation and vibration, a hollow handle connected to the said vacuum chamber, the plunger being disposed and supported axially in the said handle, a flexible extension to the said plunger, a cam with cam follower for vibrating the same, and an electric motor for driving the same.

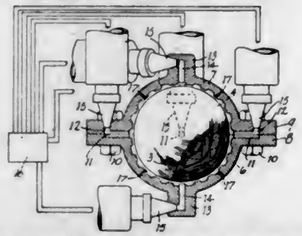
2,076,411
VALVE
Lewen R. Nelson and Charles C. Armstrong, Peoria, Ill.; said Armstrong assignor to L. R. Nelson Manfg. Co., Inc., Peoria, Ill., a corporation of Illinois
Application March 7, 1935, Serial No. 9,765
9 Claims. (Cl. 284—19)



2. The combination with a valve body and its seat, a closure for the latter, and a tubular portion in adjustable engagement with the body for carrying and operating the closure, of a tubular stem associated with the said portion, the latter and said stem having structures to engage each

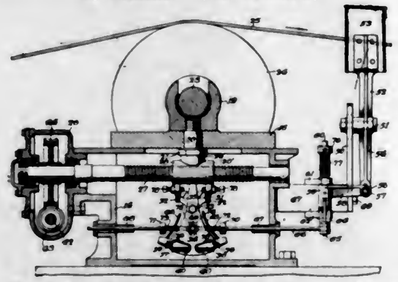
other during a rotary and endwise movement of one of them relatively to the other, such engagement preventing endwise movement of the two relatively in the direction of fluid flow and fixing them relatively during a rotary movement applied to one of them, and means to elastically maintain engagement of the two relatively in an endwise direction.

2,076,412
METHOD FOR MAKING GOLF BALLS
John M. Oldham, Detroit, Mich., assignor to Leonard A. Young, Detroit, Mich.
Application November 13, 1933, Serial No. 697,770
4 Claims. (Cl. 18—59)



1. The method of making golf balls consisting of placing a spherical body within a spherical mold, the body being free to float within the mold, and simultaneously injecting a coating composition through a plurality of pairs of opposed sprue holes, the mold having a plurality of vent openings uniformly spaced relative to the sprue holes.

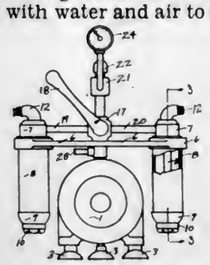
2,076,413
BELT GUIDE
Harry M. Ostertag, Neenah, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
Application November 19, 1934, Serial No. 753,609
10 Claims. (Cl. 74—241)



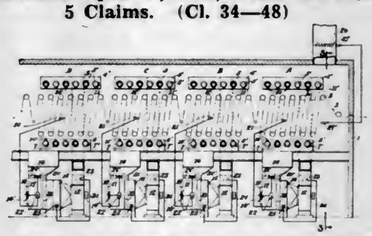
1. In a belt guide of the character described, the combination of a belt guide roll, a bearing in which one end of said roll is journaled, a mounting for said bearing, an electric motor geared to said mounting so as to effect a radial shift of one end of said roll relative to the other end of the roll, a switch plate pivotally suspended from said mounting, a mercury tube electric switch mounted on said plate, the center of gravity of said plate and switch being below the pivot of said plate, a feeler for engaging the edge of the belt, and means operatively connecting said feeler with said plate.

2,076,414
COIL CLEANING MACHINE
John Panagopoulos, Youngstown, Ohio
Application March 2, 1936, Serial No. 66,633
2 Claims. (Cl. 225—12)

1. In a coil cleaning machine comprising a frame adapted for mounting on an electric motor and carrying an air compressor unit adapted to be driven by said electric motor, the combination of a pair of mixing chambers mounted on said frame, a water supply inlet, pipe means for conveying water and air to either of said mixing chambers, a tubular member positioned within each of said mixing chambers for carrying crystals together with water and air to an outlet leading to a coil to be cleaned, a manually controlled valve for reversing the direction of flow in order to move the crystals in a reverse direction through the coil to be cleaned into the opposite chamber, a discharge outlet from said valve, a screen positioned in each of said mixing chambers for separating the crystals from the mixture before the same is discharged from said discharge outlet, substantially as described for the purpose set forth.



2,076,415
APPARATUS FOR THE DRYING OF PAPER OR FABRICS
Frank W. Partsch, Jackson Heights, N. Y., assignor to J. O. Ross Engineering Corporation, New York, N. Y., a corporation of New York
Application April 19, 1935, Serial No. 17,161
5 Claims. (Cl. 34—48)



1. A drier for a web material comprising a chamber, a set of parallel rollers adjacent the top of said chamber, a second set of parallel rollers adjacent the bottom of said chamber, said rollers being arranged to support a web in a series of loops, a set of nozzles substantially parallel to and arranged above said first set of rollers, a second set of nozzles substantially parallel to and arranged below said second set of rollers, each nozzle being provided with a longitudinal row of discharge ports for supplying air to said web and each nozzle being rotatable about its longitudinal axis to vary the angle of impingement of the air upon said web and means for supplying heated air to said nozzles.

2,076,416
ICE CREAM DISHER
Edwin G. Rust, Sioux City, Iowa
Application October 29, 1934, Serial No. 750,458
4 Claims. (Cl. 107—48)

1. An ice cream disher comprising a bowl, a rotary scraper pivoted within the bowl, a horizontal scraper for scraping off excess cream and

adapted to travel across the opening of the bowl, said horizontal scraper being pivoted substantially at a distance from the longitudinal axis of the disher, and including a bevel gear about its pivot, a thumb lever pivoted to the disher handle including a bevel gear adapted to coact



with the said scraper arm bevel gear, and said rotary scraper including a bevel gear adapted to coact with the said thumb lever level gear to cause rotation of the rotary scraper simultaneously with the horizontal movement of the horizontal scraper arm.

2,076,417

MOUNTING FOR GRIP CORDS

Adolph Rydquist, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York

Application July 3, 1935, Serial No. 29,746

17 Claims. (Cl. 105—354)

1. A mount for a cord having a recessed ferrule thereon, said mount comprising a base plate having spaced upstanding parts one for detachably engaging the ferrule within said recess and another forming a seat for the cord, a retainer cooperating with the base plate for securing the cord thereon, and means for detachably mounting said retainer on the base plate.

2,076,418

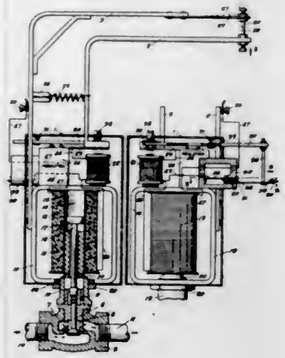
IGNITION DEVICE FOR GAS BURNERS

George Clark Smith, Hamilton, Ontario, Canada

Application April 1, 1936, Serial No. 72,050

13 Claims. (Cl. 175—115)

1. In an ignition device of the character described, the combination with a vibratory electrical spark gap element and electro-magnetic means actuating said element, of a master switch contained in the electrical circuit energizing the



electro-magnetic means and actuated by the electro-magnetic means, and a member vibrating under the influence of the electro-magnetic means and tending to open the master switch.

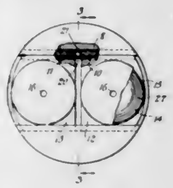
2,076,419

STEREOSCOPIC OR DEPTH LENS FOR CAMERAS

John Frank Wiggin, Brooklyn, N. Y., assignor, by mesne assignments, to Camerascopic Lens Inc., Portland, Maine, a corporation of Maine

Application March 20, 1935, Serial No. 12,085

3 Claims. (Cl. 95—18)



1. A stereoscopic lens structure, comprising a pair of lens cases, screw means for adjusting said lens cases toward and from each other, a focusing lens carried by each of said cases, means for deflecting the light rays passing through said lenses so as to position the image carried thereby in superimposed relationship on a surface, and a light stop for each lens movable over said cases toward and from said lenses, each of said stops having an aperture many times smaller than the diameter of said lenses, the respective apertures being in axial alignment with the focal axes of the respective lenses.

2,076,420

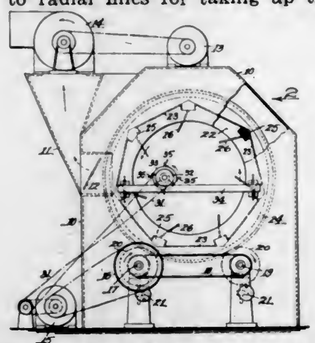
WOOL DUSTER

Winfred W. Windle, Millbury, Mass.

Application March 30, 1936, Serial No. 71,544

5 Claims. (Cl. 19—90)

1. In a wool dusting machine, the combination of a rotatable screen cage, a beater located inside said cage at a distance to one side of its axis, means for rotating the cage, means for rotating the beater, said cage being provided with pins inclined to radial lines for taking up the wool



and dropping it on the beater for the purpose of opening the wool and releasing dust.

2,076,421

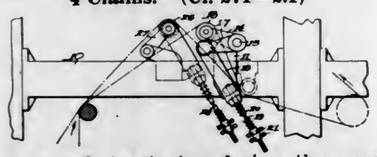
TENSION ROLL DEVICE

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application March 22, 1932, Serial No. 600,445

Renewed May 6, 1935

4 Claims. (Cl. 271—2.1)



1. In a web tensioning device, the combination of a web tension roller and a pair of arms on which the roller has bearings, of a pair of splined shafts, said arms being adapted to be fixed at any desired point along said shafts, one on each shaft, whereby the roller can be moved to a position to center it with the web being run, and yielding means connected with each of said shafts for applying tension to the web through the roller.

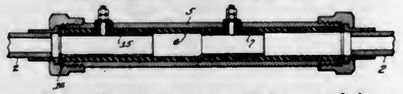
2,076,422

APPARATUS FOR PREVENTING BEER SETTLING

Karl A. Zimmerer and William G. Koerber, Detroit, Mich., assignors to Karl A. Zimmerer Manufacturing Company, Inc., Detroit, Mich., a corporation of Michigan

Application February 28, 1936, Serial No. 66,202

6 Claims. (Cl. 204—26)



1. In beer dispensing apparatus, and in combination, a storage container, a dispensing means remote from said container, a conduit connecting said container and dispensing means for the flow of beer from the former to the latter, said conduit including a pair of internal tubular electrodes located in succession within and forming wall sections of the beer flow path, said electrodes being spaced apart and insulated from each other with at least one of the electrodes insulated from the conduit, and means for connecting said electrodes with a source of electrical energy to place the electrodes as terminals of opposite sign, whereby completion of the circuit is through the content of the conduit and in the direction of flow of such content.

2,076,423

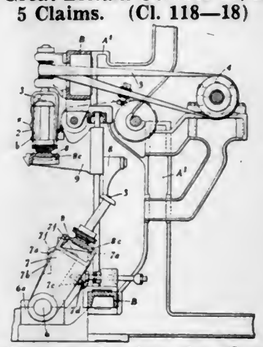
DOFFING MECHANISM FOR FLYER SPINNING, DOUBLING, TWISTING, AND LIKE MACHINES

James Keith Anderson, Wellington Foundry, Leeds, England

Application October 10, 1934, Serial No. 747,692

In Great Britain October 14, 1933

5 Claims. (Cl. 118—18)



1. In doffing mechanism for flyer spinning, doubling, twisting and like machines, two series of oscillating members for receiving and interchanging the lifter rails, a rock shaft upon which one series of said oscillating members is fixed, another series of oscillating members being loosely mounted on said shaft, and having their outer extremities for receiving the lifter rails further from the center of the shaft than are the ends of the fixed members, an adjusting screw mounted upon each one of the fixed oscillating members in the series for adjusting the relative positions of the loosely mounted oscillating members on said shaft which have to be operated by it, adjustable means whereby the movements of the loose oscillating members are limited, means whereby the rock shaft may be manually operated and adjusted, and means whereby the lifter rails may be adjusted in position to place said lifter rails upon the oscillating members.

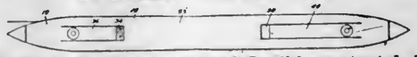
2,076,424

SHUTTLE

Robert H. Boardman, Lawrence, Mass., assignor to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts

Application March 18, 1936, Serial No. 69,505

17 Claims. (Cl. 139—213)



1. In a shuttle, a strip of flexible material disposed in position to bear upon the exterior of the filling in the shuttle, and pneumatic means operated by the flight of the shuttle to press said strip against the filling.

2,076,425

FRICTION CLUTCH

Denis Tabor Brock, London, England, assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

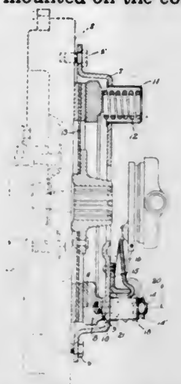
Application April 8, 1935, Serial No. 15,165

In Great Britain May 25, 1934

4 Claims. (Cl. 192—68)

1. In a friction clutch assembly, a cover having openings therein, a pressure plate, bosses on said

pressure plate extending through said openings, bolts mounted on the bosses, clutch operating levers pivotally mounted on the cover and having



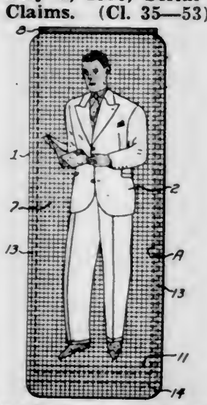
openings therein to receive said bolts, and locking means mounted on said bolts and operatively interposed between the levers and pressure plate to hold the levers and pressure plate together.

2,076,426

STYLE AND CLOTH DESIGN ILLUSTRATOR

Joseph Caswell and Kazimierz Elchuk, Windsor, Ontario, Canada

Application July 3, 1936, Serial No. 88,720
4 Claims. (Cl. 35—53)



1. In a display device, a pair of parallel spaced panels having transparent portions therein, a piece of fabric removably positioned between the panels and visible through said transparent areas, means for freely suspending the piece of fabric between said panels and a weighted member attached to the lower edge of the fabric for maintaining the latter in a smooth and unwrinkled condition while suspended between the panels.

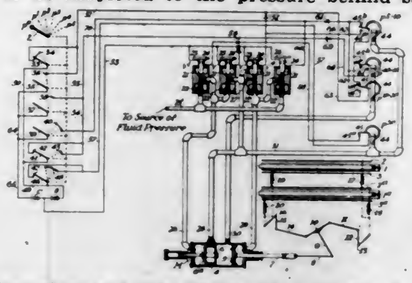
2,076,427

RAILWAY BRAKING APPARATUS

Delbert F. Cobourn, Portsmouth, Ohio, assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application May 26, 1936, Serial No. 81,888
8 Claims. (Cl. 303—20)

1. Railway braking apparatus comprising a cylinder, a piston movable therein having a retracted and a projected position, means for at times admitting fluid pressure to said cylinder in front of said piston to move it to its retracted position, two magnet valves, means controlled by the one valve for admitting fluid pressure behind said piston to move it to its projected position, means controlled by the other valve for exhausting fluid pressure from behind said piston, pressure responsive means connected with said cylinder at such point as to be subjected to the pressure behind said



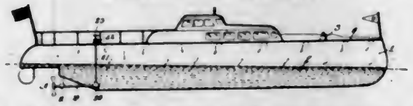
piston when and only when said piston has been moved away from its retracted position more than a predetermined distance, other fluid pressure responsive means connected with said cylinder at such point as to be constantly subjected to the pressure in front of said piston, means controlled by said two pressure responsive means for selectively controlling said two valves, and car retarding means operated by said piston.

2,076,428

BOAT PROPULSION

Mortimer F. Drudy, Jr., Richmond Hill, and Arthur G. Mahoney, New York, N. Y.

Application April 12, 1935, Serial No. 16,098
1 Claim. (Cl. 46—95)



A toy boat including a hollow body in the shape of a boat and comprising an airtight water and compressed air chamber, said body having inlets for water and air under pressure, a propeller at the stern of the body, a water tube secured to the propeller and projecting into the body below the water level therein, said propeller having ducts in its blades extending to the edges of the blades and through which water admitted to the propeller through said tube escapes in the form of jets to cause the propeller to turn and propel the boat, a fixed tube around the first-mentioned tube and supplying water to the first-mentioned tube and propeller, a manually operated valve at the inlet end of said fixed tube, and a stem on said valve projecting upwardly through the body of the boat in position for manual control outside of the boat.

2,076,429

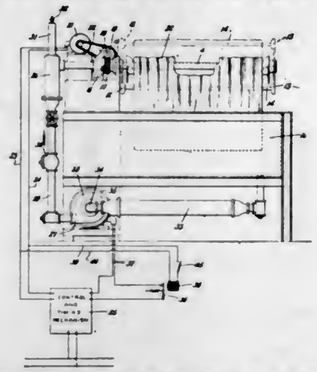
MACHINE FOR TREATING YARN IN SKEIN FORM

William Francis Guinan, Northampton, Mass., assignor to Hampton Company, Easthampton, Mass., a corporation of Massachusetts

Application February 12, 1936, Serial No. 63,675
6 Claims. (Cl. 8—19)

1. An apparatus for dyeing yarn in skein form which comprises a skein supporting tube having perforations along its upper surface, means for

raising the skein from the tube and shifting its circumferential position thereupon, means for controlling the discharge of dyeing liquor from the perforations in the tube, and mechanism coordinating the operation of the means for controlling the discharge of dyeing liquor and of



the skein shifting means in such a manner that the discharge of dyeing liquor from the perforations in the tube is automatically arrested before the shifting means has raised the skein from the tube and remains arrested until the skein is again deposited on the tube.

2,076,430

PURIFICATION OF HALOGENATED ORGANIC COMPOUNDS

Ernest R. Hanson, Bloomfield, and Sandford Brown, Montclair, N. J., assignors to Halowax Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application April 2, 1934, Serial No. 718,677
2 Claims. (Cl. 260—54)

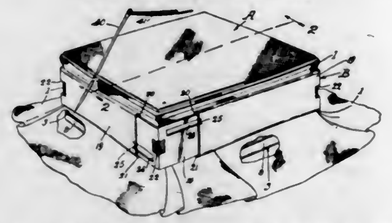
1. A method of purifying and producing a halogen substitution product of a member of the group, diphenyl ether, hydroxy diphenyls, diphenylene oxide, and phenyldiphenyl ether, which comprises distilling an impure halogenated member of said group in the presence of an alkali-forming metal base, carrying on the distillation at a low pressure of 100 m. m. of mercury or less and collecting a fraction having a color lighter than 5 as described and neutral to litmus.

2,076,431

PATCHING DEVICE AND METHOD

Peter A. Janssens, Chicago, Ill.

Application March 13, 1936, Serial No. 68,629
8 Claims. (Cl. 223—100)



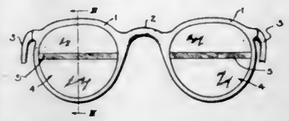
1. In a device for applying patches to patchable materials, an adjustable inner frame and a clamp therefor, and an adjustable outer frame, and a clamp therefor, the inner frame being adapted to be positioned within the outer frame, with the upper edges of the two frames adjacent each other, the outside measurements of the inner frame being less than the inside measurements of the outer frame, when the frames are assembled in operative position.

2,076,432

OPHTHALMIC LENS

Fay D. Kinney, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application September 14, 1934, Serial No. 744,046
6 Claims. (Cl. 88—54)



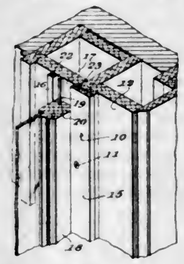
1. A glare protection mounting comprising lens supporting means and a pair of lenses held by said supporting means, each of said lenses being formed of a clear glass having a relatively narrow transversely extending strip of glare reducing medium secured thereto, said medium having its opposed longitudinal edges tapered and angled with respect to the plane of the lens to vary the density of said edges in the direction of the line of sight through the lens, said relatively narrow strips of glare reducing medium being located above the center or line of straight ahead vision through the lens and being adapted to be moved into and out of the line of sight of the eyes by tilting the head, the said tapered edges forming a gradual blend of the clear glass portions into the glare reducing medium along the opposed longitudinal edges of said medium.

2,076,433

WEATHER STRIP

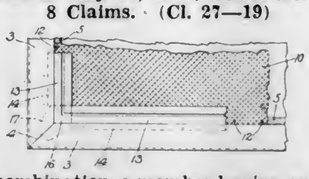
Edward W. Lapworth, Dorchester, Mass.

Application January 4, 1937. Serial No. 118,958
2 Claims. (Cl. 20—69)



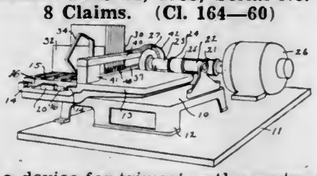
1. A one-piece sash guide unit for windows, said unit being formed from a single strip of sheet metal and comprising, in cross section, an intermediate portion and hollow stop and parting beads extending forwardly from opposite sides of said intermediate portion, respectively, the rear face of said intermediate portion and the rear faces of said stop and parting beads being disposed relatively to each other to lie flatly against the side of a window frame, the free side edge portions of the strip underlying said stop and parting beads, respectively, between the sides of said beads whereby said free side edges are inaccessible when the unit is fastened against the side of a window frame.

2,076,434
CASKET DECORATION
Olin R. McLaud, Elmira, N. Y., and Edward B. Stewart, Elgin, Ill., assignors to Western Casket Hardware Co., Elgin, Ill., a corporation of Illinois
Application July 17, 1935, Serial No. 31,802
8 Claims. (Cl. 27—19)



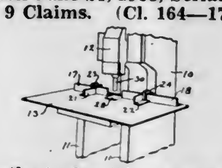
1. In combination, a member having an inwardly turned flange, the flange and the member itself defining a cavity, a fastening part positioned within said cavity, a fabric having its edge positioned within said cavity, and a molding provided with a fabric overlying portion and with a flange engaging portion, the molding being inserted between the flange and the fastening member, that portion of the molding which lies between the flange and the fastening member bearing upon and securing the fabric in place.

2,076,435
MACHINE AND METHOD FOR USE IN BINDING PAPER PADS
Nels H. Nelson, Dayton, Ohio
Application June 24, 1935, Serial No. 28,038
8 Claims. (Cl. 164—60)



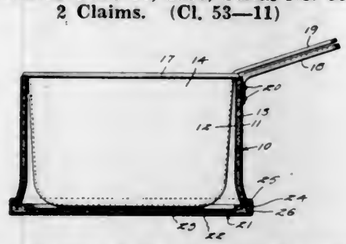
1. In a device for trimming the protruding end of a binding strip flush with the lateral face of a bound pad, the combination of a rotary cutter, a work table arranged to move in a path parallel to, and immediately adjacent the plane defined by the rotary edge of the cutter, yieldable means normally tending to retract the work table to work receiving position, spring actuated clamping means to yieldably support a plurality of pads in said table, and a guide positioned in the plane of the rotary edge of the cutter and arranged to engage the lateral faces of pads on the work table on a line spaced from the projecting end of the binding strips to guide the pads across the face of the tool and sever the protruding ends of the binding strips.

2,076,436
MACHINE AND METHOD FOR THE MARGINAL NOTCHING OF PAPER SHEETS
Nels H. Nelson, Dayton, Ohio
Application June 24, 1935, Serial No. 28,039
9 Claims. (Cl. 164—17)



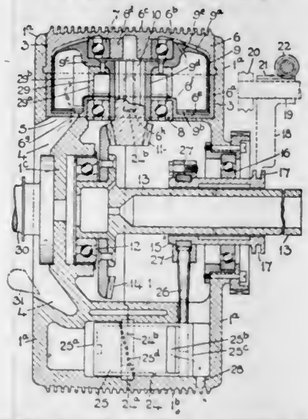
1. The method of cutting a marginal aperture in a thick stack of paper sheets which comprises drilling through the stack inwardly of the margin and then enlarging the hole and removing the paper between the hole and the margin by a continuous shearing cut down through the stack.

2,076,437
JACKETED COOKING UTENSIL
William Woods, Riverside, Calif.
Application June 30, 1936, Serial No. 88,242
2 Claims. (Cl. 53—11)



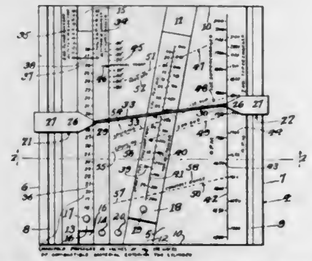
1. In combination, an annular heat insulating member open at the top and the bottom, a removable bottom for said member provided with a recess in the upper surface thereof, an upstanding flange carried by the bottom and engageable about the lower end of the member, and a vessel engageable within the member and provided with an outstanding rim adapted to rest on the upper edge of the member with the bottom of the vessel disposed in said recess, said vessel having a depth in excess of the depth of the heat insulating member.

2,076,438
VARIABLE SPEED GEARING
John Wooler, Ruislip, England
Application January 14, 1936, Serial No. 59,132
In Great Britain January 15, 1935
13 Claims. (Cl. 74—259)



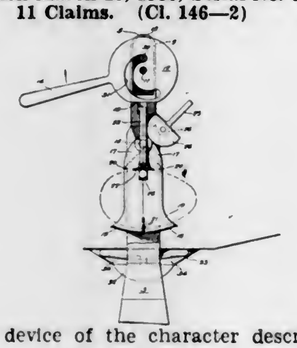
1. Variable speed gearing, comprising a rotatable casing acting as a flywheel revolvable by a prime mover within a fixed casing, a number of hollow rotors substantially radially positioned within the revolvable casing and mounted for rotation, said rotors being adapted to have fluid fed thereto and operable to exert a gyroscopic coupling action with the rotatable casing, a driven shaft having a gear provided thereon, a gear on each of said hollow rotors meshing with the gear on said driven shaft, fluid inlet ports connecting the outside of said rotatable casing with the interior of the hollow rotors, fluid outlet ports leading from inside the hollow rotors to passages which communicate with the exterior of said rotatable casing, and to a valve for controlling the flow of fluid through said passages, means for actuating said valves to determine the amount of fluid to be retained within said hollow rotors, to thereby lessen or increase their weight, said means being manually operable from outside the fixed casing, and means for feeding fluid to said inlet ports from the exterior of said rotatable casing.

2,076,439
CALCULATOR
John W. Young, Dundalk, Md.
Application April 18, 1935, Serial No. 17,144
6 Claims. (Cl. 235—61)



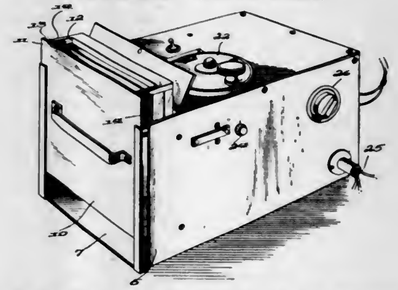
1. A calculator including a carrier provided on its outer face with spaced means to constitute respectively fuel consumption and horse power indicating scales disposed in parallelism, fixed first and second supercharger R. P. M. indicating scales spaced outwardly from the horse power indicating scale and disposed in parallelism and a fixed air temperature indicating scale spaced outwardly from the fuel consumption indicating scale, disposed in parallel spaced relation to the first supercharger R. P. M. indicating scale and consisting of a pair of oppositely disposed sets of progressively increasing indicia, a slide mounted in the said face of said carrier provided with means to constitute first and second superchargers altitude indicating scales arranged in parallel spaced relation and a pointer reading against said air temperature indicating scale, a second slide mounted in the first slide extending between and provided with a pair of oppositely disposed pointers reading against said altitude indicating scales, and said second slide being provided with indicia graduated in units of combustible material supplied for consumption.

2,076,440
FOOD HANDLING APPARATUS
Frank W. Amon, Philadelphia, Pa.
Application March 10, 1936, Serial No. 68,119
11 Claims. (Cl. 146—2)



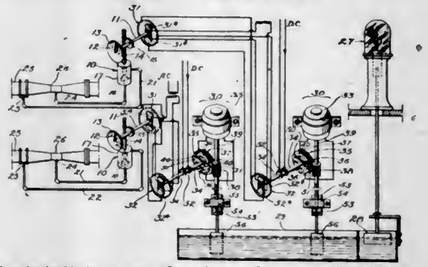
1. In a device of the character described, a support comprising pivotally mounted sections movable toward and away from each other, an abutment arranged to engage the surface of an egg resting on said support, means for locking said abutment in the position to which adjusted, cam actuated means operable to move the support in the direction of said abutment, means forming a part of at least one section of said support arranged to crack the shell of the egg circumferentially thereof upon actuation of the support in the direction of the abutment, and means also actuated by said cam operable to pivot the sections of said support in opposite directions to open the egg and allow the contents to discharge therefrom.

2,076,441
MOISTURE TESTER AND METHOD
Albert L. Berry, Salina, Kans.
Application September 2, 1930, Serial No. 479,385
12 Claims. (Cl. 175—183)



1. In a device for determining the amount of moisture content of a material, the combination of a self-oscillating electric circuit, a fixed condenser of known capacity in said circuit, and means to obtain a definite frequency of oscillation in said circuit, and said capacitor being in the form of a box and having for its plates, wall portions of the box, whereby the material to be measured may be utilized for the di-electric of said condenser, and the di-electric properties of said material utilized to modify the characteristics of said condenser and thereby modify the constants of said electric circuit to change the frequency of oscillation, and means to measure the change of frequency.

2,076,442
MULTIPLE TOTALIZING REGISTER
Moro M. Borden, Philadelphia, Pa., assignor to Simplex Valve and Meter Company, Philadelphia, Pa., a corporation of Delaware
Application January 13, 1932, Serial No. 586,430
1 Claim. (Cl. 235—92)



A totalizing mechanism for a plurality of meters, comprising a switch element for each

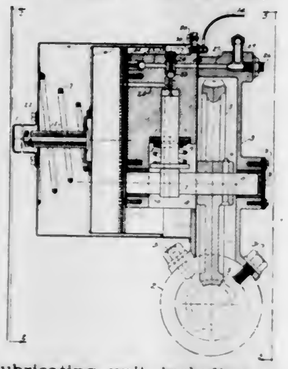
meter, means to rotate each switch element about an axis proportionately to the dial movements of the associated meter, a shaft associated with and co-axial with each switch element, a reversible drive motor associated with each shaft, switch elements carried by the shaft and co-acting with the first-named switch element upon movement thereof in either direction to energize said motor to rotate said shaft in a direction and through a distance proportionate to the movement of said switch element, an open displacement cylinder associated with each shaft, a displacement piston supported from the shaft and raised and lowered by rotation thereof to vary the extent of its engagement in said cylinder, a displacement container communicating with all of said displacement cylinders, a float in said container and a register operated by said float.

2,076,443
ALTERING GLAUCONITE
William McAfee Bruce, Mount Holly, N. J., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application January 22, 1935, Serial No. 2,973
9 Claims. (Cl. 23—112)

1. In the manufacture of an altered glauconite having enhanced operating exchange value with retained physical ruggedness, a process which comprises digesting glauconite granules with acid in relative quantity and for a time such as to attack the granule surfaces and to increase the granule porosity by dissolving out a substantial portion of the basic constituents without decrease of exchange power, washing and thereafter developing an increased exchange power with decrease of porosity by impregnating the granules with a solution containing caustic soda and sodium aluminate.

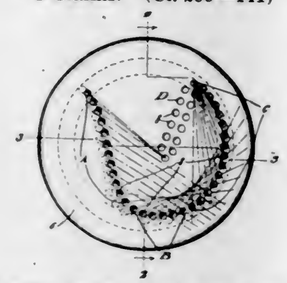
7. A base exchange material of high operating exchange value and consisting of altered glauconite granules of increased surface porosity produced by partial extraction of basic constituents with partial replacement thereof by addition of soda and alumina.

2,076,444
GREASING UNIT
Swithin W. Buckley, Wilmington, Del.
Application July 11, 1936, Serial No. 90,229
15 Claims. (Cl. 184—27)



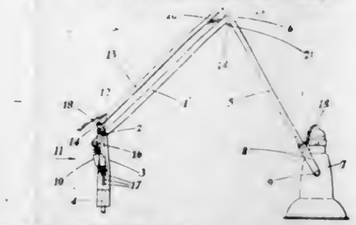
15. A lubricating unit including a case proportioned to extend into and support a can of lubricant, a housing detachably connected to and surrounding the case, a spring within the housing for exerting a constant pressure against a can of lubricant and feeding it within the housing and along the case, a pump in the case having an inlet for receiving lubricant from said can and an outlet for the lubricant, there being a passage in the case leading from the outlet back to the can for the return of excess lubricant within the outlet, and valves within the outlet and the return passage respectively.

2,076,445
FLUID JET NOZZLE
Marshall E. Callander, Dallas, Tex.
Application October 21, 1936, Serial No. 106,891
3 Claims. (Cl. 299—141)



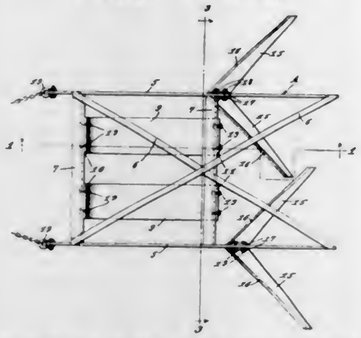
1. A nozzle of the kind described having a tubular body and a flat face at one end, the flat face end being provided with groups of orifices arranged in general conformation of the arabic figure 6.

2,076,446
EQUIPOISING MECHANISM
George Carwardine, Bath, England, assignor of one-half to Herbert Terry & Sons Limited, Redditch, England, a company of Great Britain
Application January 17, 1935, Serial No. 2,260
In Great Britain February 10, 1934
14 Claims. (Cl. 248—280)



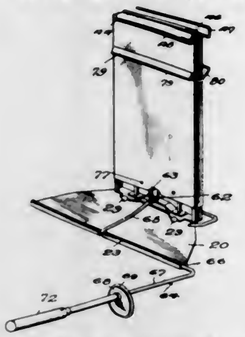
5. An equipoising device comprising in combination, a support, a supporting lever pivoted about a horizontal axis to said support, a carrying lever adapted to support the weight to be balanced pivoted to said supporting lever about a horizontal axis remote from said first-mentioned axis, a second lever pivoted to said supporting lever at said first-mentioned axis, means for maintaining said carrying lever and said second lever parallel in all positions of the device, an elastic member being connected between a point on said second lever and a point on a vertical plane containing the axis of said second lever and said supporting lever, said elastic member itself being in a vertical plane at right angles to said aforementioned vertical plane and having the characteristic of exerting a force which is substantially proportional to its length, and at least one elastic member connected to said supporting lever and to a point fixed relatively to the axis of said supporting lever, said spring having the characteristic of exerting a force substantially proportional to the distance between the terminal points between which it exerts that force and being thereby adapted to maintain said supporting lever stationary in various angular positions about its axis.

2,076,447
QUITCH GRASS KILLER
James F. Devlin, Marinette, Wis.
Application October 27, 1936, Serial No. 107,870
1 Claim. (Cl. 55—60)



An implement of the character described comprising spaced parallel guides, angle pieces joined with the guides and between the same, relatively wide flat shoes arranged between the guides and adjustably connected with said angle pieces, forwardly convergent horizontally arranged cutting blades carried by and extended laterally from opposite sides of said guides, the said blades being arranged in the same plane with each other and at the rear of the shoes, and braces connected with the guides and arranged at the top edges thereof to be disposed between the same.

2,076,448
COPY HOLDER
Nugent Dodds, Washington, D. C.
Application November 2, 1935, Serial No. 48,039
17 Claims. (Cl. 120—29)



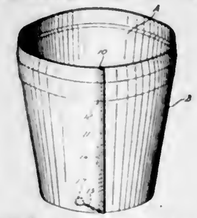
1. A device as set forth comprising a base member, a paper holding member, one of said members having a curved slot therein, and a pin carried by the other member and engageable in the slot to adjustably mount the paper holding member on the base member for movement from a vertical operative position to a horizontal inoperative position.

2,076,449
DENTAL INSTRUMENT
Frederick H. Doner, Watertown, N. Y.
Application May 8, 1935, Serial No. 20,467
4 Claims. (Cl. 32—59)



1. A dental instrument for use in preparing a tooth for a jacket crown, including a mandrel for a dental hand piece, a cylindrical cup on the mandrel, and a preformed abrasive cylinder detachably mounted in the cup, said cylinder being flush with the free end of the cup to form a shoulder on the tooth being prepared.

2,076,450
FLOWERPOT COVER
Vernon A. Doty, West Springfield, Mass.
Application July 13, 1936, Serial No. 90,403
4 Claims. (Cl. 47—34)



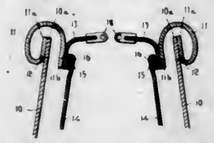
3. A cover of the character described comprising a piece of sheet-like flexible fabric material rolled on itself for encircling a receptacle externally thereof, out-turned ends on said sheet of material and arranged in abutting relation to each other, a bendable pin laced back and forth through said ends and having terminal portions bent over and around opposite extremities of the latter for the fastening of the ends of said sheet together, and an arm twisted from one extremity of said pin, the twisted portion of said arm forming an eye.

2,076,451
DEVICE FOR PRODUCING TUBES OR BOBBINS OF THE KIND USED IN THE TEXTILE INDUSTRY FOR RECEIVING THE YARN
Fritz Fallscheer, Reutlingen, Germany
Application March 29, 1934, Serial No. 718,073
8 Claims. (Cl. 91—8)



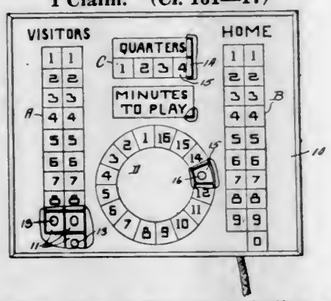
1. A device for producing tubes of the kind described, comprising varnishing means, means for rotating the tubes, means for applying a velvet-like covering of fibers over the circumference of the varnished tube, a conveyor for guiding the tubes past said varnishing and fiber applying means, means operative uniformly around the circumference of the tubes for removing excess fibers therefrom, and a stripper for removing the tubes from said conveyor.

2,076,452
LADY'S HANDBAG
Henri Felmann, Chicago, Ill., assignor to Morris, Mann & Reilly, Inc., Chicago, Ill., a corporation of Illinois
Application November 24, 1936, Serial No. 112,587
1 Claim. (Cl. 150—28)



A lady's handbag comprising an outer covering and an inner lining, the upper side edges of said covering terminating in a plane above that of the upper side edges of said lining, a slide fastener strip carried by each upper side edge of said lining, a separate strip of covering material fastened to each of said edges of said covering, said strips being turned on themselves to overlie the upper inner surface of said covering, and the free edges of said strips being attached to said edges of said lining and to said fastener strips.

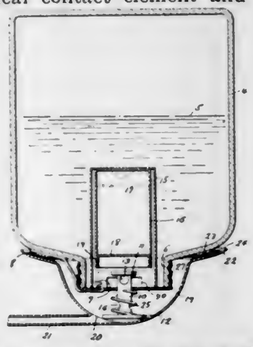
2,076,453
GAME TIMER
John H. Fleer, La Grange, Mo.
Application February 21, 1935, Serial No. 7,608
1 Claim. (Cl. 161—17)



A playing time indicator including a series of lamps arranged around a center and forming a circular dial, a controlling switch for the lamps including a series of contacts arranged in a circle and equal in number to the lamps, a rotatable switch movable successively over the contacts and connected to a source of current, each lamp being connected on one side to a corresponding contact and on the other side to the source of current, means for shifting said switch arm including an electric motor connected in circuit with a source of current, a manually operable switch in said circuit, means operated by the motor for intermittently shifting said switch arm successively over the several contacts, comprising a shaft on which said arm is mounted, a ratchet wheel thereon, a lever mounted on the shaft and carrying a pawl engaging the ratchet wheel, and a hand operatively connected to and rotatable by the motor in a plane at right angles to the plane of said pawl carrying lever and engaging intermittently with said lever to shift it to thereby carry the switch arm from one contact to another at each rotation of the motor.

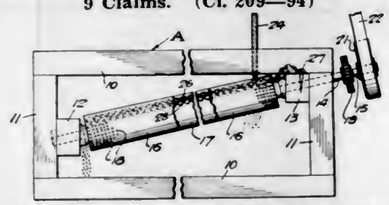
2,076,454
FLOAT SWITCH
Roland Y. Foxwell, Cape Charles, Va.
Application December 11, 1935, Serial No. 53,996
1 Claim. (Cl. 200—84)

An attachment for jar necks of the class described comprising a screw cap constructed of electrical insulating material, a tubular spring-pressed normally closed valve in the bottom portion of said cap, said valve being constructed of electrical conducting material and in its open position having its inner end projecting into said cap, a yieldable electrical contact element in said cap, an electrical conducting member secured to said contact element and extending through said cap, a float guide secured to said cap enclosing said electrical contact element and having an



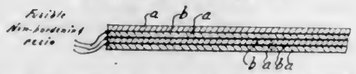
aperture in the upper portion thereof, said guide enclosing the inner portion of said valve, a float mounted in said guide constructed of electrical conducting material, a bottom constructed of electrical conducting material in said float spaced from the rim thereof, the rim of said float and the bottom thereof being simultaneously cooperable respectively with the electrical contacting element and the projected end of said valve in said rim for effecting an electrical conducting path therebetween.

2,076,455
MACHINE FOR SEPARATING SEEDS OR THE LIKE
David Franks, Millersburg, Ohio, assignor of one-third to Charles K. Franks and one-third to Samuel Franks, Jr., both of Millersburg, Ohio
Application September 30, 1935, Serial No. 42,956
9 Claims. (Cl. 209—94)



1. In a machine for classifying granular materials, a pair of inclined rollers mounted for rotation adjacent each other, said rollers having a plurality of recesses in their peripheries of a size sufficient to receive one, but being sufficiently small to reject the other of the materials to be separated, said rollers defining an inclined material conveying valley, means for feeding granular material into the upper end of the valley between said rollers, and means for thoroughly agitating said material as it traverses said valley in response to rotation of said rollers, for causing it to undergo a selective separation by said rollers as it traverses said valley, comprising at least one flexible element extending substantially parallel to said rollers and freely resting in the body of material between said rollers.

2,076,456
LAMINATED MATERIAL AND PROCESS OF MAKING SAME
Alphonse Gams, Karl Frey, and Theodor Sutter, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
Application April 25, 1933, Serial No. 667,890
In Switzerland April 27, 1932
2 Claims. (Cl. 154—2)



1. In the process of making laminated rolled articles from sheet like material, the steps of coating the said sheet like material with an intermediate layer of a permanently fusible non-hardening amine resin containing not more than substantially 1 molecular proportion of formaldehyde for each molecular proportion of primary aromatic amine and selected from the group consisting of anhydroaminobenzylalcohol and its homologues and polymers, and uniting the layers by applying heat and pressure.

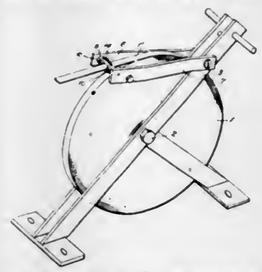
2,076,457
COMBINED BOTTLE HOOD OR CLOSURE AND JIGGER
Henry W. Genone, Atlanta, Ga.
Application May 7, 1935, Serial No. 20,278
2 Claims. (Cl. 221—147)



1. Combined closure and jigger comprising a cup having a bottom and a hollow downwardly flaring stem extending below the bottom on the opposite side of the bottom from said cup adapted to embrace the neck of a bottle for supporting the cup on the bottle, said stem having internal threads adapting it to screw on to corresponding threads on the bottle, and having a seal in its upper end drawn by said screw threads into engagement with the end of the bottle, the bottom of said cup being formed with a peripheral reinforcing flange extending beyond the base of said stem to protect the bottom of said cup and the closure end of said stem from deformation.

2,076,458
STRAP ROLLING MEANS
Thomas Edwin Hall, New Malden, England, assignor to Packers Supply Company Limited, New Malden, England
Application March 4, 1936, Serial No. 67,185
In Great Britain November 25, 1935
7 Claims. (Cl. 80—40)

1. Device for smoothing the edges of metal band, comprising a pair of peripherally grooved rollers, means adapted to support said rollers for rotation about their own axes and also for movement to change the plane of rotation of said rollers, the peripheral grooves of said rollers being adapted respectively to embrace the opposite edges of a metal band and to accommodate them-

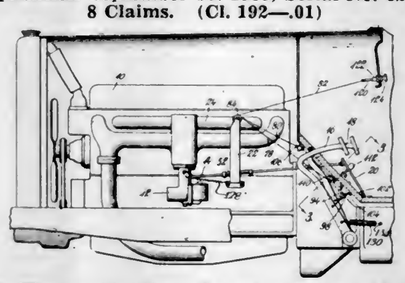


selves to changes in the position of the band relatively to the support, and means adapted to urge the rollers into engagement with a metal band when lying between said rollers.

2,076,459
PROCESS FOR CANNING CITRUS AND OTHER JUICES
James Hanson, Sunnyvale, Calif., assignor to Libby, McNeill & Libby, Chicago, Ill., a corporation of Maine
No Drawing. Application November 6, 1934, Serial No. 751,787
2 Claims. (Cl. 99—155)

1. The herein described process for canning citrus fruit juices and other juices consisting in extracting the juice, sucking the juice into a vacuum tank and deaerating the same under a high vacuum, breaking the vacuum with nitrogen gas after substantially complete deaeration of the juice, subjecting the nitrogen treated juice while in a tank to a heavy nitrogen gas pressure within the range of 50 to 100 pounds to the square inch and sufficient to cause the nitrogen gas to reach all particles of the juice and enter into combination with the juice to prevent formation of abnormal flavors in the canned juice, canning the juice in a nitrogen gas atmosphere, and vacuum sealing the can.

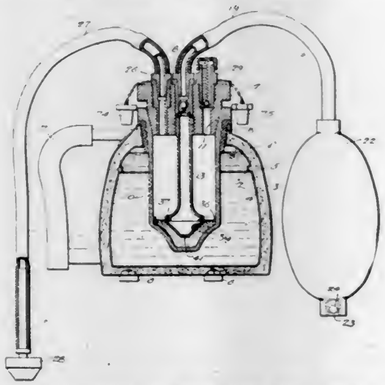
2,076,460
ACCELERATOR CONTROL
Paul A. Heinrich, Chicago, Ill.
Application September 30, 1935, Serial No. 42,931
8 Claims. (Cl. 192—.01)



1. The combination of an accelerator rod having a rack, a clutch pedal, a brake pedal, a pedal for operating the accelerator rod, a weight-operated pinion including a pawl co-operating with said rack for latching the accelerator rod in various shifted positions, means connecting said weight-operated pinion and said brake and clutch pedals for moving the pinion out of holding re-

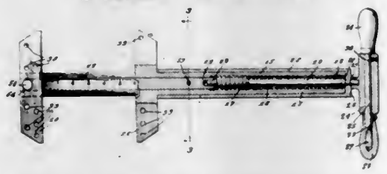
lation with the rack for releasing the accelerator rod upon shifting of either of the pedals, and foot-operated means connected with the weight-operated pinion for releasing the accelerator rod independently of any shifting movement of the clutch or brake pedals.

2,076,461
MEDICINAL TREATMENT DEVICE
George W. Hipsley, Philadelphia, Pa.
Application December 29, 1933, Serial No. 704,589
3 Claims. (Cl. 128—186)



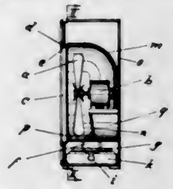
1. In a device for generating and injecting a medicament in a relatively dry vaporous form into parts of the human body such as the nose or throat; a vessel adapted to contain a relatively shallow body of liquid medicament; and means for conveying air to a point inside near the bottom of said vessel and below the surface of the medicament; said vessel and said air conveying means being formed so as to provide a relatively restricted passage therebetween below the surface of the medicament; said air-conveying means having a plurality of circularly arranged tangentially directed air discharge openings, which in conjunction with said passage cause a whirling agitating action of the air on the liquid medicament.

2,076,462
COMBINATION TOOL
Frank S. Horechney, Milwaukee, Wis.
Application November 27, 1935, Serial No. 51,911
2 Claims. (Cl. 81—168)



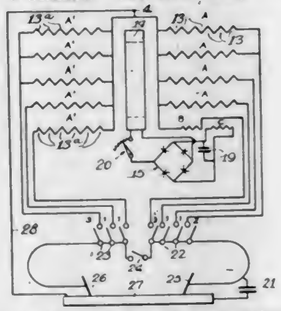
1. A tool of the character described comprising an elongated tubular housing closed at one end and open at its other, a jaw having a longitudinally split shank forming spaced stems fitted within said housing through its open end and slidable therein, a second jaw having a substantially H-shaped shank passed through the first-named jaw and made secure within the housing and forming guideways for said stems, a feed screw threaded with the stems and swiveled in the H-shaped shank and extended through the closed end of the housing, and means connected with the said screw at the closed end of the housing for operating the same.

2,076,463
AIR-IMPROVEMENT DEVICE
Carl Jacobsohn, Hamburg, Germany, assignor to Ernst Carl Baehni, Hamburg, Germany
Application July 21, 1934, Serial No. 736,423
In Germany December 27, 1933
4 Claims. (Cl. 261—104)



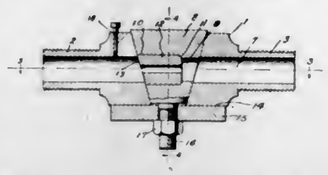
1. In air conditioning device, a casing with inlet and outlet openings for the air, a driving motor and a fan being driven by said motor and arranged close to the inlet opening at the front of said casing, a chamber for said fan, being closed at the rear and at the sides, an air disinfecting and purifying device, a chamber for said purifying device close to said fan chamber, and connected with this chamber by openings in the underside of said fan chamber, the outlet openings being in the side walls of the chamber for said purifying device, all parts being arranged in such a manner that the air is sucked up in axial direction of said fan and pressed vertically upon the air purifying device substantially by centrifugal force of said fan for being driven out through the lateral outlet openings with the shortest way possible within the conditioning device and after passing above said purifying device with change of flowing direction.

2,076,464
ALTERNATING CURRENT GENERATOR
George A. Johnstone, Chicago, Ill.
Application November 3, 1934, Serial No. 751,434
7 Claims. (Cl. 171—224)



1. An alternating current generator of the inductor type comprising a stator having pole pieces, individual coils on said pole pieces embracing only a part of the entire magnetic flux, individual circuits from said coils, and switches connected to said circuits, whereby more than one generator circuit at a time, several circuits in multiple or any combination of said circuits may be established and held within close limits of voltage and current with no excessive surges, when a short circuit occurs.

2,076,465
FLOW BEAN
Cecil E. Kirk, Woodsboro, Tex., assignor to Kirk Corporation, Houston, Tex., a corporation of Texas
Application November 13, 1935, Serial No. 49,609
2 Claims. (Cl. 138—44)



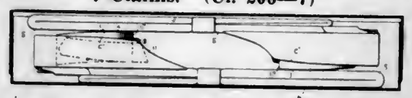
1. Flow bean comprising a block adapted to be intercalated in a conduit having a passage therethrough constituting part of said conduit, a core sealingly seated in a seat in said block which intersects said passage, said core and seat being of non-round cross section, said core having a bore adapted when said core is seated to align substantially axially with said passage, one end of the bore of said core being enlarged, forming a shoulder at its base, a bean fitting the enlarged portion of the bore in the core, said bean having a port establishing restricted communication between opposite sides of said passage, said bean being of greater diameter than said passage so as to make it impossible for said bean to protrude into said passage and thus prevent withdrawal of said core.

2,076,466
SUPPLEMENTAL CONDUCTOR FOR PIPING
William G. Koerber, Detroit, Mich., assignor to Karl A. Zimmerer Manufacturing Co., Inc., Detroit, Mich., a corporation of Michigan
Application November 21, 1935, Serial No. 50,825
3 Claims. (Cl. 204—26)



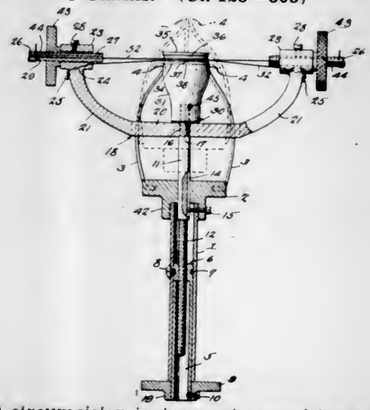
1. In beverage dispensing apparatus, wherein the beverage is delivered through a conduit including a pair of tubular metallic sections of thin wall characteristic and insulated from each other by an interposed section of insulating material with the latter carrying an internal terminal for one side of a source of electrical energy and with the opposite side of such source extending to the metallic sections, and wherein the current path is completed through the beverage carried by the conduit, said metallic sections each comprising a tubular wall of extended length and of comparatively low electrical conductivity, and a metallic strand of comparatively high electrical conductivity embedded within and extending longitudinally of the wall and unexposed to either periphery of the wall, said strand being free from direct electrical connection with said internal terminal in an assembly of the conduit and serving as a current distributor for current applied locally to the periphery of one of said sections, whereby the current flow between the opposite sides of the source will extend between the internal terminal, the beverage content within the assembly and radially through the metallac section wall with the strand active as a distributor over an extended length of the section.

2,076,467
METHOD OF PACKAGING LAUNDRY
Walter C. Krout, Charlotte, N. C.
Application July 18, 1936, Serial No. 91,400
7 Claims. (Cl. 206—7)



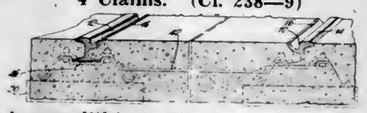
1. The method of packaging a shirt having a collar consisting of an upwardly extended portion and a turned-down portion, which consists in encasing a part of the upwardly extended portion of the collar between a pair of sustaining elements, so placing one of said elements so that it projects outwardly beyond the top edge of the collar, and enclosing the shirt by any suitable means.

2,076,468
CIRCUMCISER
Frank A. La Breck, Eau Claire, Wis.
Application April 24, 1936, Serial No. 76,240
8 Claims. (Cl. 128—305)



1. A circumcision instrument comprising a penis rest, a tractor movable longitudinally of the rest, to draw the prepuce over the rest, a severing member, means for holding the severing member in operative relation to the rest, and means for rotating the rest with respect to the severing member, to effect a severing of the prepuce.

2,076,469
MONOLITHIC TRACK CONSTRUCTION
Frank H. Lehecka, East Orange, N. J., and Douglas P. Steward, Westmont Borough, Pa.
Application January 4, 1935, Serial No. 436
4 Claims. (Cl. 238—9)



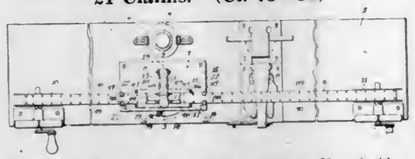
1. A monolithic track structure comprising a cast foundation formed in situ, a rail and rail chair embedded therein, said chair being of bar stock of uniform thickness throughout and having a central depressed portion of a width corresponding to the base width of the rail, clip bearing surfaces in a plane thereabove, rail clips and holding means coacting with said bearing surfaces and downwardly diverging supporting legs depending from said bearing surfaces.

2,076,470
MAGAZINE PENCIL
John A. Leimer, Chicago, Ill.
Application August 10, 1936, Serial No. 95,233
15 Claims. (Cl. 120—14)



1. A pencil comprising a barrel having a tapered end and an actuating part, a magazine housed within the barrel for containing a plurality of sharpened leads, a lead gripping clutch positioned within the tapered end of the barrel and having pressure relation therewith for moving the clutch into clamping relation with the propelled lead, and an operating connection between the actuating part and said clutch for moving the same into and out of pressure relation with the tapered end.

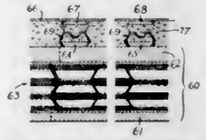
2,076,471
APPARATUS FOR CHECKING THE SPROCKET HOLES OF MOTION PICTURE FILMS
Alvin C. Loewer, Baltimore, Md.
Application May 10, 1934, Serial No. 725,019
21 Claims. (Cl. 73—51)



17. In a detection device, a normally stationary slidably mounted detecting unit including an element arranged to be depressed by the travel thereover of a film provided with a row of sprocket receiving openings normally of uniform size or enter an abnormally enlarged one of the said openings and thereby cause the unit to be slid from its normally stationary position by the film, and a normally latched spring actuated combined film depressing and enlarged opening indicating structure releasable for movement to indicate the detection of an enlarged opening when said unit is moved from its normally stationary position.

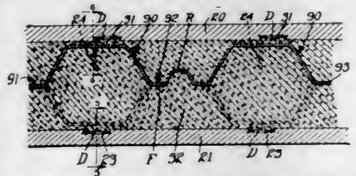
2,076,472
BUILDING CONSTRUCTION
Bernard London, New York, N. Y.
Application February 26, 1936, Serial No. 65,771
53 Claims. (Cl. 72—16)

1. In building construction, in combination, a wall of a building comprising two spaced sheet members, reinforcing spacer means interposed between said sheet members, said means being made of sheet metal having portions thereof pressed alternately but always about substantially parallel axes out of the plane of the sheet metal and to either side of said plane, whereby said portions determine the spacing between said sheet members and the space between said members being obstructed, in the directions of said substantially parallel axes, substantially only by the cross-sectional thicknesses of the



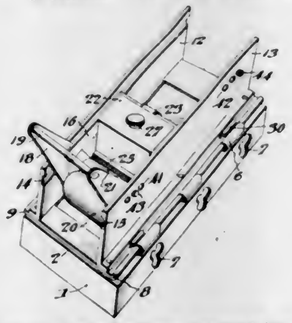
sheet metal of said spacer means to permit said space to be filled with a pourable material by pouring it in the direction of said axes, and means forming a connection between at least one of said sheet members and the portion of said sheet metal means engaging therewith.

2,076,473
BUILDING CONSTRUCTION
Bernard London, New York, N. Y.
Application May 22, 1936, Serial No. 81,196
14 Claims. (Cl. 72—16)



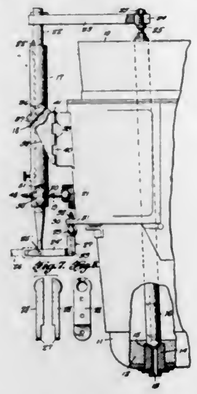
1. In building construction, in combination, a wall or the like comprising core means and nonmetallic sheet material having a recess facing toward said core means, and means for mounting said sheet material to said core means and comprising a normally curved or bowed member received within said recess and thereafter substantially straightened out to expand against the walls of said recess and thereby grip said sheet material.

2,076,474
PRINTING MECHANISM
Neil D. Luckie, Coral Gables, Fla.
Application September 27, 1935, Serial No. 42,537
9 Claims. (Cl. 101—123)



1. A printing mechanism comprising, an elongated base structure having a flat top to receive and support a member to be printed upon, an elongated supporting plate hingedly mounted at one side on the base structure, a carriage movable longitudinally upon said supporting plate substantially parallel with the axis of the hinged mounting, and ink applying means supported by said carriage.

2,076,475
LADLE STOPPER
Andrew Matta, Donora, Pa.
Application November 27, 1935, Serial No. 51,923
5 Claims. (Cl. 22—85)



1. The combination with a ladle having a pouring opening, of a barrel secured to the ladle and adjustable around a horizontal axis and a vertical axis, a manually operable shaft slidably mounted in the barrel and operatively connected to the stopper to move as a unit with the stopper for actuating the stopper, and means for holding the barrel in adjusted positions.

2,076,476
AERIAL MAIL CATCHER
John Mores, Millsboro, Pa.
Application April 22, 1936, Serial No. 75,801
2 Claims. (Cl. 258—1)



1. An aerial mail catcher comprising a tower including spaced rests, a member having its ends resting on said rests and including a plurality of hingedly connected sections and each section consisting of prongs diverging in the direction of the free ends thereof and providing therebetween slots, means for connecting a mail bag to said member, a flexible element connected to an aeroplane and having an enlargement at its free end to enter any one of the slots on the aeroplane passing over said member, and a spring pressed dog pivoted to a prong of each section and normally contacting the companion prong of said section to permit the flexible element to pass into the slot of said section and then close the entrance to the slot.

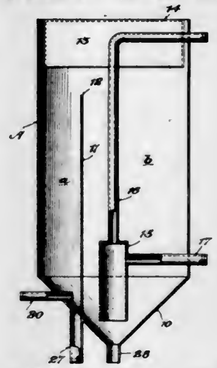
2,076,477
MORDANT AZODYESTUFFS AND THEIR PRODUCTION
Max Müller, Basel, Switzerland, assignor to the firm Durand & Huguenin S. A., Basel, Switzerland
No Drawing. Application December 21, 1934, Serial No. 760,064. In Germany December 27, 1933
7 Claims. (Cl. 260—97)

1. A process for the manufacture of mordant azodyestuffs of the following probable general formula:



wherein R_1 represents a benzene nucleus containing a hydroxy and a carboxylic group in ortho-position to one another, R_2 represents a benzene nucleus, bearing—besides an azo- and a NH-group in meta-position to one another—at least one member of the group consisting of hydrogen, methyl, halogen and sulpho, the sulpho group not being in ortho-position to the NH-group, and R_3 represents the radical of a nitro-halogen-benzene compound having no sulpho or carboxylic groups, said process consisting in taking a meta-diamino compound of the benzene series, substituted as defined for R_2, causing same to react with one molecular proportion of said nitro-halogen-benzene compound containing an easily exchangeable halogen atom, whereby one of the two amino-groups is substituted by R_3, diazotizing the other free amino-group and coupling with an ortho-hydroxy-carboxylic acid of the benzene series.

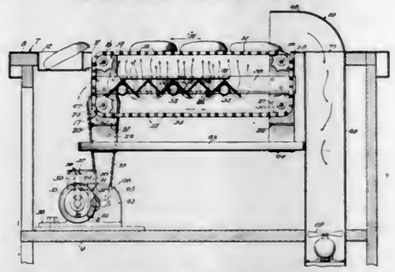
2,076,478
METHOD OF AND APPARATUS FOR DISSOLVING MATERIAL
Frank Urbane Neat, Louisville, Ky., assignor to Jefferson Island Salt Company, Louisville, Ky., a corporation of Kentucky
Application November 26, 1935, Serial No. 51,706
3 Claims. (Cl. 23—272)



1. Apparatus for dissolving salt or other soluble material comprising a receptacle closed at its bottom, a substantially vertical partition dividing said receptacle into two separate compartments to receive the material to be dissolved, a liquid supply pipe connected with a bottom portion of one of said compartments, the top of said partition being disposed to have the liquid overflow from the first mentioned compartment into the other compartment, a decanting tank within

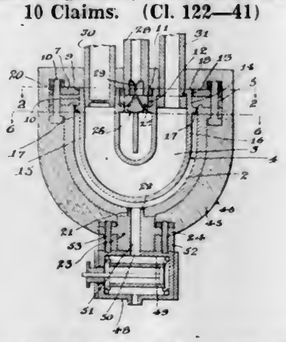
the second mentioned compartment open at its bottom and closed at its top, means to vent said tank, and a solution outflow pipe connected with an upper portion of said decanting tank.

2,076,479
AUTOMATIC TOASTER
Daniel J. O'Connell, Chicago, Ill., assignor to O'Connell's, Inc., Chicago, Ill., a corporation of Illinois
Application January 12, 1935, Serial No. 1,461
2 Claims. (Cl. 126—41)



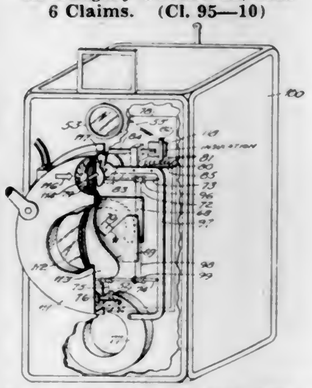
1. The combination with a table having a rectangular opening in the top thereof and provided at one end of the opening with a trough and at the other end of the opening with a horizontal screen on which toasted buns may be placed, of a toaster comprising a horizontally disposed heater under the opening in the table top, an endless conveyor extending around the heater and having a substantially horizontal bun supporting reach disposed over the heater and positioned in the opening substantially flush with the table top, motor driven means for driving the conveyor so that the buns on said reach are moved slowly over the heater for toasting purposes in the direction of the trough and are automatically discharged into the trough, and means for eliminating the fumes resulting from toasting and at the same time drawing off the heated air which rises from the table top and circulating it around the toasted buns on the screen, comprising a hood-like element mounted on the table top and extending over the screen and said other end of the opening, a conduit beneath the table top leading downwards from the screen and communicating with the interior of the hood by way of said screen, and a motor driven suction fan in the conduit.

2,076,480
PRIME MOVER
Thomas J. Rees, Reno, Nev.
Application August 27, 1934, Serial No. 741,606
10 Claims. (Cl. 122—41)



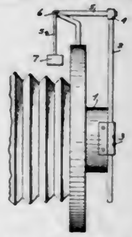
1. In an apparatus for the purpose set forth, a U-shaped flash chamber, a U-shaped combustion chamber suspended within and in concentric relation to said flash chamber and having its walls formed of heat conducting material, means for delivering a combustible heat generating means to the combustion chamber, said flash chamber being closed to said combustion chamber, means for supplying water vapor, under pump pressure, to the flash chamber to provide, in connection with the heat radiated from said walls, a superheated energy medium, and means opening into the bottom of said flash chamber for conducting said medium to a point of utilization.

2,076,481
PHOTOGRAPHIC CAMERA FOR DETERMINING THE EXPOSURES
Ödön Riszdorfer, Budapest, Hungary
Application October 11, 1933, Serial No. 693,204
In Hungary October 15, 1932
6 Claims. (Cl. 95—10)



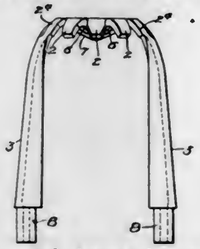
1. In a camera having a lens opening and a variable speed shutter, a shutter speed setting disk, a photo-electric cell, an electro-magnetic device including a rotatable member varying in position in accordance with the degree of energization of said electro-magnetic means, a resistance, a contact member movable along said resistance for connection to spaced points thereon, conductive connections connecting said cell, electro-magnetic means and resistance in series and connecting said contact member to said cell, a diaphragm regulating the effective size of the lens opening, an operative connection between the rotatable member of the electro-magnetic means and said diaphragm, and an operative connection between the contact member and disk to move the former as the latter is rotated.

2,076,482
PHOTOGRAPHIC APPARATUS
Odön Riszdorfer, Budapest, Hungary
Application November 8, 1933, Serial No. 697,179
In Hungary November 10, 1932
16 Claims. (Cl. 95—81.5)



1. The combination with a photographic apparatus having a front provided with a light receiving opening, said apparatus having an optical axis passing through said opening and normally in predetermined relation to the horizontal; of a light transmitting screen movable transverse said axis, means for guiding said screen in a vertical path, a pendulum pivoted to said apparatus to swing about an axis perpendicular to the vertical plane wherein said optical axis lies, and an operative connection between said pendulum and screen to move the screen in its path upon tilting of the apparatus about a horizontal axis extending at right angles to said plane.

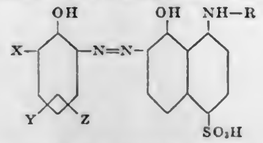
2,076,483
SPRINKLER HEAD FOR AUTOMATIC SPRINKLER SYSTEMS
Arthur C. Rowley, Drexel Hill, Pa., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 25, 1935, Serial No. 46,799
3 Claims. (Cl. 169—37)



1. A sheet-metal frame for sprinkler heads comprising a mid section of roughly circular form constituting a deflector, and integral supporting arms extending from opposite sides of said deflector, said arms having a substantially U-shaped cross section throughout the major portion of their lengths and having each a cylindrical terminal end portion for attachment to the body of the sprinkler head.

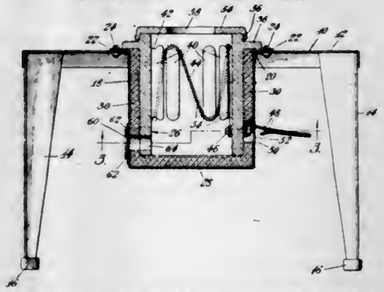
2,076,484
GREEN MONOAZO DYESTUFFS AND A PROCESS FOR THEIR MANUFACTURE
Otto Senn, Basel, Switzerland, assignor to firm Chemical Works formerly Sandoz, Basel, Switzerland
No Drawing. Application February 23, 1934, Serial No. 712,682. In Switzerland March 7, 1933
12 Claims. (Cl. 260—92)

7. The dyestuffs of the general formula



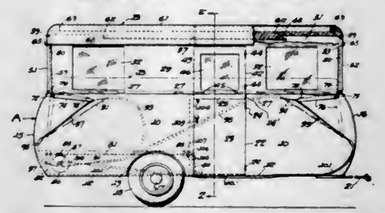
wherein R represents a member of the group consisting of phenyl, alkylphenyl, alkoxyphenyl and halogenophenyl, X represents a group selected from the class consisting of halogen, nitro, alkyl, alkoxy and acylamino groups, Y represents a substituent selected from the group consisting of hydrogen, halogen, nitro, COOH, SO_2NH_2, $SO_2N(alkyl)_2$ and SO_2—N(alkyl)(aryl), and Z represents hydrogen, halogen, nitro, COOH, SO_2NH_2, $SO_2N(alkyl)_2$, $SO_2N(alkyl)(aryl)$, and wherein when X represents an alkyl, alkoxy or acylamino group Y represents a substituent selected from the class consisting of nitro and halogen, which dyestuffs constitute in dry state dark powders soluble in water with a blue coloration and which dye animal fibres fast green shades by the monochrome- and afterchroming process.

2,076,485
LABORATORY EQUIPMENT
Francis E. Streysman and Michael T. Strikol, Chicago, Ill.
Application December 4, 1933, Serial No. 700,896
3 Claims. (Cl. 219—35)



1. A laboratory device comprising a table having legs and an opening in its top, a metal cup positioned within said opening and having a flange extending over a portion of the table top, means fastening said flange to said table top, an insulating material jacket lining the inner wall and bottom of said cup, an inner wall of insulating material fitting snugly within said insulating jacket and having its end extending slightly above the table top, a flange formed integrally with said wall of insulating material and extending over the top of the insulating jacket and a portion of said first-named flange, an electrical heating element mounted upon supporting lugs projecting inwardly from the inner side of said inner wall, said furnace being provided with a plurality of draft openings, and a plate slidably associated with the furnace for opening and closing said draft openings.

2,076,486
CONVERTIBLE VEHICLE
Allen J. Watt, La Fayette, Ohio
Application September 19, 1935, Serial No. 41,324
11 Claims. (Cl. 296—23)



1. In a convertible vehicle construction, a wheeled body, a side-wall forming member disposed at each end of said body and pivotally connected thereto to rock about a substantially horizontal axis, a top-forming structure having guide means resting upon said members, said structure being operable to house said body when said members are disposed in a substantially horizontal plane, and means for synchronously rocking said members upwardly in opposite directions toward a substantially vertical position, to there-

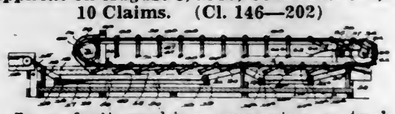
by cause them to slidingly cooperate with said guide means and raise said top forming structure vertically into a position vertically spaced from said body.

2,076,487

MEANS FOR FRUIT WASHING

Edwin M. Wayland, Covesville, Va.

Application August 8, 1933, Serial No. 684,240
10 Claims. (Cl. 146—202)



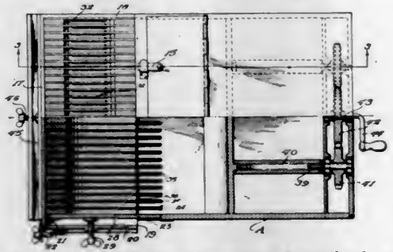
1. In a fruit washing apparatus, a tank for containing a washing liquid, a submerged supporting surface dividing said tank into a surface strata washing compartment and a settling chamber, a continuous conveyor overlying said tank and above the liquid therein, said conveyor comprising depending transverse dredging members pivotally mounted to hang into the washing compartment to engage only the rear face of the fruit to propel it therethrough and to continue to hang in a generally downward direction during transfer to, and at least a part of, their return run to provide for drainage of said dredging members away from their pivotal mountings.

2,076,488

GROUND AND CHOPPED FOOD MOLDING MACHINE

Joe Wiley, Fresno, Calif., assignor of one-third to John D. Morgan and Charles A. James, both of Fresno City, Calif.

Application October 23, 1935, Serial No. 46,453
4 Claims. (Cl. 17—32)



1. A machine of the character described, comprising a housing having a feed chamber, a head slidable in the housing and working through said chamber, a magazine rack next to the chamber, a magazine carried by said rack, alternately arranged mold parts and separators removably fitted in the magazine with the mold parts communicating therewith, means for holding the mold parts and separators assembled within the magazine, means for advancing and retracting the head within the housing and a cutter grating associated with the mold parts and separators and removably fitted in said chamber.

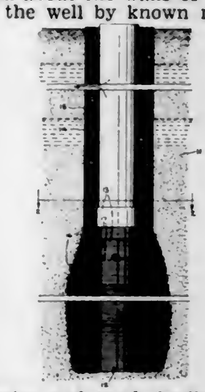
2,076,489

METHOD OF PROVIDING AND FORMING A GRAVEL PACK ABOUT WELL SCREENS IN WELLS

Howard O. Williams, Minneapolis, Minn., assignor to Edward E. Johnson, Incorporated, St. Paul, Minn.

Application February 11, 1936, Serial No. 63,374
2 Claims. (Cl. 166—21)

1. The process of forming a gravel pack about well screens which consists in sinking the well casing a requisite distance into the water-bearing stratum and setting the well screen in said casing a requisite distance into the water-bearing stratum and setting the well screen in said stratum in the bottom of said casing, taking material of said stratum from areas about said well screen and determining therefrom that there are insufficient gravel particles in place therein to form a satisfactory natural gravel pack, providing gravel conveying means and sinking it through the drift to a point adjacent the top of the well screen where gravel conveyed therethrough can move to and about the walls of the well screen, developing the well by known means including



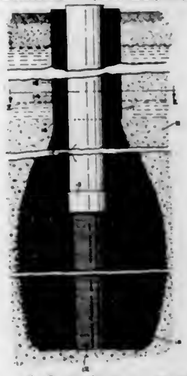
pumping water and sand, feeding through said conveying means while the well is being developed a mixture of multi-sized gravel particles from those small enough to pass the screen through various larger sizes so that said fed gravel particles can move into the spaces about the well screen theretofore occupied by the withdrawn sand, and continuing such feed of multi-sized gravel particles until a gravel pack has been formed about the screen having the nature and characteristics of a gravel pack formed from multi-sized particles present in water-bearing strata.

2,076,490

METHOD OF FORMING A GRAVEL PACK ABOUT WELL SCREENS IN WELLS

Howard O. Williams, Minneapolis, Minn., assignor to Edward E. Johnson, Incorporated, St. Paul, Minn.

Application February 11, 1936, Serial No. 63,375
3 Claims. (Cl. 166—21)



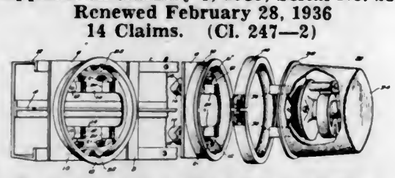
1. A process of forming a gravel pack about well screens which consists in sinking the well casing a requisite distance into the water-bearing stratum and setting the well screen in said stratum at the bottom of the casing, taking material of said stratum from areas about said well screen and determining therefrom the bulk of fine sand which will be withdrawn through the well screen in the natural development of the well, providing gravel conveying means and sinking it through the drift to a point above and removed from the top of the well screen a distance which, based on said determination, will allow feed of sized gravel in quantity such as to occupy a volume equivalent to that of the withdrawn sand by moving the material of the stratum downward beneath the mass of fed-in sized gravel so that the well screen will be developed from many sized particles of material in the water-bearing stratum and the fed-in sized gravel will form no part of the gravel pack about the well screen, and feeding sized free-flowing gravel through said conveying means to said point a predetermined distance above and removed from the top of the well screen while the well is being developed, so as to act as a tamping means and to occupy the space of the sand withdrawn in developing the well but to form no part of the developed gravel pack about the well screen.

2,076,491

DETACHABLE METER

Albert J. Allen, Brooklyn, N. Y., and William M. Bradshaw, Summit, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 3, 1935, Serial No. 234
Renewed February 28, 1936
14 Claims. (Cl. 247—2)



2. In combination with a conduit channel containing electrical conductors, a plate proportioned to bridge said channel, an aperture in said plate, contacts carried by said plate registering with said aperture and adapted to be connected to said conductors, means for securing said plate in operative position, an electrical instrument having a base substantially co-extensive in lateral dimensions with said plate aperture and having electrical contacts disposed to engage said plate contacts, and means for detachably securing said instrument to said plate.

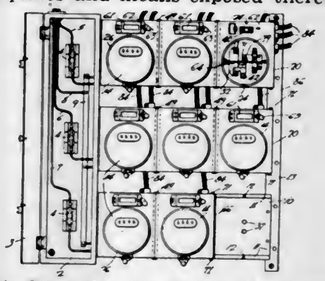
2,076,492

ELECTRICAL METER INSTALLATION

Albert J. Allen, Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 17, 1935, Serial No. 2,181
9 Claims. (Cl. 247—2)

1. A metering system for a plurality of single phase load circuits fed from a polyphase supply circuit, including a plurality of conduit channels each containing conductors for only one phase of said supply circuit, means for closing said channels comprising a plurality of plates secured to the channels each having an aperture for receiving the base of a meter, contacts within the channel exposed through such apertures and connected to said phase conductors, a pair of load circuit conductors for each plate within said channel and contact means connected thereto exposed through said apertures, a second aperture in each of said plates and means exposed therethrough



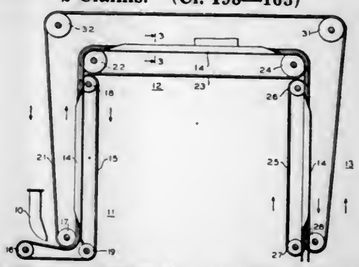
for controlling the connection of at least one of each pair of load circuit conductors to its associated contact means.

2,076,493

DOUBLE STRAP CONVEYER

Bruce Beardsley, Brooklyn, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application July 2, 1934, Serial No. 733,513
2 Claims. (Cl. 198—165)



1. A conveyer system for conveying sheets comprising a plurality of belts having their adjacent surfaces in contact and being of less width than the sheets to be conveyed, spaced supporting rollers for said belts and a supporting channel for said belts embodying means to deflect the overhanging portions of the sheets with respect to the contacting sheet-engaging surfaces of two of said belts, said channel being disposed in the plane tangential to the supporting rollers for the belt adjacent the channel to damp or minimize vibration of the belts in a direction normal to the contacting surfaces thereof without imposing substantial drag upon the belts.

2,076,494

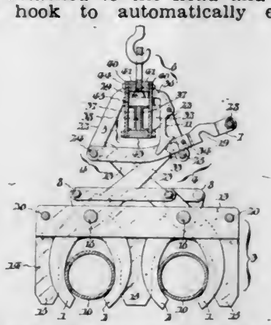
LIFTING TONGS

Louis A. Camerota, Burlington, and John Matlack, Florence, N. J., assignors to Florence Pipe Foundry & Machine Company, Florence, N. J., a corporation of New Jersey

Application March 20, 1936, Serial No. 69,804
16 Claims. (Cl. 294—87)

1. A lifting device comprising a head, operating arms pivotally attached to the head, said operating arms including pivotally attached upper and lower members, tongs formed on the lower members and pivotally connected to operate as a pair, a spreader pivotally attached at one end to one of the operating arms and resting on a stop member attached to the other of the arms, said spreader having an engagement means for engaging said stop member, and a suspension member

movably attached to the head and carrying a spreader hook to automatically engage the



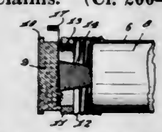
spreader when the suspension member is in the down position.

2,076,495

FLASHLIGHT

Joseph William Bellamy, Ottawa, Ontario, Canada

Application August 12, 1935, Serial No. 35,859
2 Claims. (Cl. 200—60)



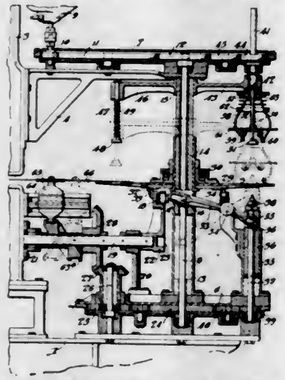
1. In a portable flashlight, a switch cap comprising a plug of insulating material formed with a recess on its inner end and an annular groove adjacent its outer end, said grooved portion being formed with a slot connecting said portion with said recess, a metallic collar carried on the inner end of said plug and fitting the body of the flashlight, a spring contact housed in said recess, and secured to said plug, a switch arm connected to said spring contact and pivotally mounted on said plug in said recess and projecting thru said slot into the grooved portion of said plug and a contact connected to said metallic collar engageable by said switch arm.

2,076,496

TOMATO CORING AND PEELING MACHINE

Charles F. Deitz, Miami, Fla., assignor to Victor N. Adams, Miami, Fla.

Application August 18, 1933, Serial No. 685,778
7 Claims. (Cl. 146—38)



1. A machine for coring and peeling tomatoes comprising, a supporting structure, a table rotatable on said supporting structure and having openings therein to receive the stem ends of tomatoes, means to rotate said table with step-by-step movement, means to positively hold a tomato in the opening at one position as the table is rotated, coring means movable into the opening to core a tomato thus held, leaf spring arms rotatable around the tomato as thus held, and friction means carried by the resilient ends of said spring arms to remove the skin from the tomato thus held.

2,076,497

PROCESS OF TREATING SOLID FUELS

Carleton Ellis, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 29, 1931, Serial No. 583,705
6 Claims. (Cl. 44—6)

1. The process of treating solid lump fuel with heavy hydrocarbon oil of a viscosity too high to be sprayed in a fine mist at ordinary temperatures, consisting of heating the oil sufficiently to fluidize the same and to allow spraying, and then spraying the thus heated oil in a finely atomized spray onto the fuel in quantity sufficient to deposit on said fuel a thin film of said oil.

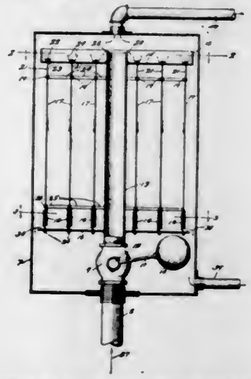
6. Process of coating coal which comprises projecting against lumps of coal in motion, a spray of molten petrolatum propelled by a jet of compressed air; the air present in the spray zone being sufficient to bring the spray mixture of petrolatum and air outside the explosive range: whereby a substantially non-inflammable condition of spray operation results.

2,076,498

FILM-FORMING MEANS IN VACUUM SYSTEM FOR REMOVING IMPURITIES FROM OILS

Joseph Farwell, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a corporation of Indiana

Application September 10, 1928. Serial No. 304,981
11 Claims. (Cl. 196—16)



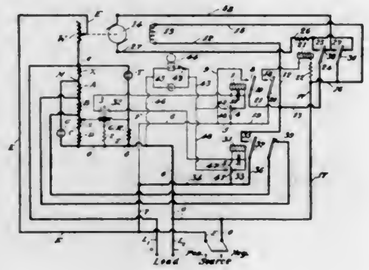
9. In an apparatus for rendering electrical insulating oils anhydrous, the combination of means forming a vacuum chamber constructed to exclude outside air and moisture therefrom, means for maintaining the chamber under a vacuum, and film forming means disposed wholly within said chamber comprising a container mounted at the upper portion of said chamber, means for feeding oil to be treated into said container, the bottom of said container having a plurality of relatively minute oil exit openings, a suspension member, a plurality of tenuous members suspended thereby beneath said container and each arranged to receive the flow of oil from one of said exits, a plurality of sheets of relatively thin material suspended by said tenuous members and arranged to receive the flow of oil from said members so that said oil will flow over the opposed faces of said sheets in relatively fine, thin liquid films while being subjected to the action of the constantly maintained vacuum.

2,076,499

VOLTAGE REGULATION

Harry Campbell Grant, Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., New York, N. Y., a corporation of New York

Application September 1, 1933, Serial No. 687,835
19 Claims. (Cl. 171—229)



1. An electrical arrangement for maintaining at a regulated value the voltage across a load which may be subject to variation and which is supplied from a source of electric potential subject to fluctuations in voltage, which comprises a Wheatstone bridge arrangement having a constant voltage element as one arm of the bridge, a variable resistance, means to connect the bridge and said variable resistance in series with each other and with said source, means to vary the value of said resistance, and means to control the resistance varying means upon unbalance of the bridge following a voltage variation for causing a change in the value of the resistance, whereby to reestablish the balance of the bridge, the desired regulated load voltage being obtained from at least one arm of the bridge.

2,076,500

WITHDRAWN

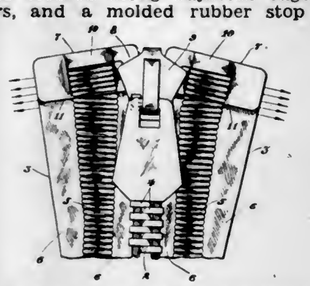
2,076,501

TOP STOP FOR SEPARABLE FASTENERS

Joseph Léon Larroque, Rouen, France, assignor to Hookless Fastener Company, a corporation of Pennsylvania

Application November 27, 1935, Serial No. 51,870
In Great Britain November 21, 1934
5 Claims. (Cl. 24—205)

3. A separable fastener of the class described comprising the combination with a pair of fabric tape stringers, cooperating series of fastener members secured along adjacent edges of the stringers, and a molded rubber stop member



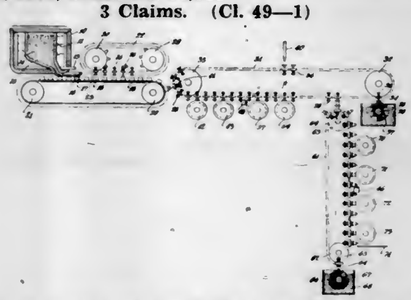
secured to and extending transversely of one of the stringers at one end thereof.

2,076,502

RHINESTONE MAKING MACHINE

John Moscini, Chico, Calif., assignor to Chico Rhinestone Company, Incorporated, Chico, Calif., a corporation of California

Refiled for abandoned application Serial No. 605,157, April 14, 1932. This application June 5, 1936, Serial No. 83,814
3 Claims. (Cl. 49—1)



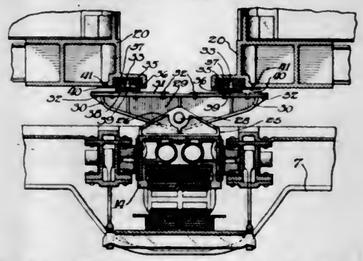
1. A rhinestone producing machine comprising a means for forming the stones from molten glass, a means for cementing the stones to a mold, means for turning the stones to expose the sides of their outer ends, to grinding and polishing tools, means to transfer the stones to other molds provided with a cement and to expose their inner ends to grinding and polishing tools for grinding and polishing both sides of said inner ends, and a means to remove the finished stones from their molds.

2,076,503

ARTICULATED CAR

William H. Mussey, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

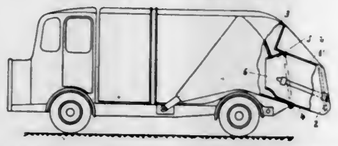
Application March 8, 1935, Serial No. 9,921
5 Claims. (Cl. 105—4)



3. In an articulated car, a truck, a lever at each side of the truck, and having arms length-

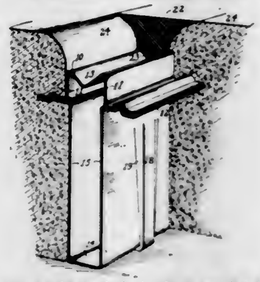
wise to the truck, pivoted on the truck to rock about a fixed transverse axis, and side bearings on the car bodies, each comprising a resilient pad and a shoe to cooperate with a flat upper surface of one of the lever arms.

2,076,504
VEHICLE FOR COLLECTING REFUSE
Jakob Ochsner, Zurich, Switzerland
Application November 2, 1935, Serial No. 48,044
In Austria August 17, 1935
7 Claims. (Cl. 214—67)



1. In a refuse collecting vehicle, the combination with a collecting chamber of a feed passage, said passage having movable means to constrict the outlet opening leading into said chamber, and means for moving refuse along said passage and forcing said refuse through said constricted opening into said chamber.

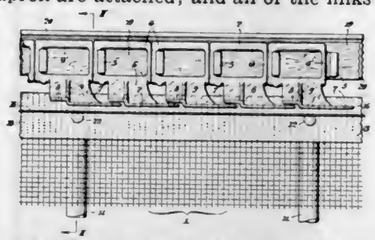
2,076,505
AIR CUSHION JOINT
Adolf H. Schaffert, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application October 22, 1934, Serial No. 749,441
1 Claim. (Cl. 94—18)



In an expansion joint for embedment in a concrete road, a channel shaped strip having a bottom wall, upwardly extending side walls joined to the bottom wall by angular corners, and a plurality of spaced corrugations extending transversely of the bottom wall, around the corners and into the lower portions of the side walls to longitudinally curve the strip, the said corrugations upwardly tapering to merge with the side walls, and forming lugs for interengaging with the concrete of a roadway in which the joint is embedded.

2,076,506
CONVEYER
Walter W. Sibson and Harold H. Belcher, Philadelphia, Pa., assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 30, 1935, Serial No. 4,045
10 Claims. (Cl. 198—194)

5. An apron conveyer comprising a flexible endless apron; a pair of laterally-spaced endless chains including plain rectangular links with special rectangular links at intervals, said special links having lateral projections for reception of girts to support the apron coplanar with the endless chain pitch lines and to which the edges of the apron are attached; and all of the links having upstanding stepped-lips with outwardly-directed reinforcements, said lips jointly forming substantially-continuous side guards for the apron to prevent edge-spill of the material being conveyed.

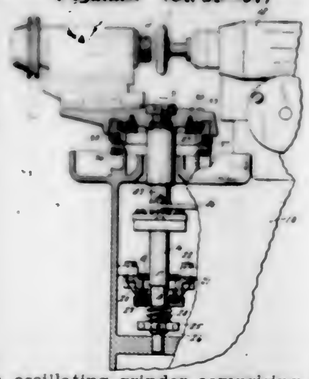


2,076,507
COATING COMPOSITION
Victor H. Turkington, Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 28, 1929, Serial No. 343,574
14 Claims. (Cl. 134—26)

1. A liquid coating composition comprising in solution the resinous product obtained by the reaction of a phenol with a fatty oil in the presence of hexamethylenetetramine at a temperature of substantially 190–200° C.

5. Composition of matter comprising the resinous product obtained by the reaction of a phenol, a fatty oil and hexamethylenetetramine in the presence of hexalin.

2,076,508
OSCILLATING GRINDER
Frederick D. Van Norman, Springfield, Mass., assignor to Van Norman Machine Tool Company, Springfield, Mass., a corporation of Massachusetts
Application April 9, 1936, Serial No. 73,470
7 Claims. (Cl. 51—97)



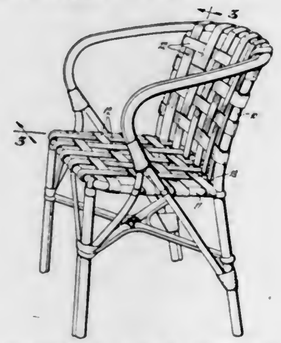
1. An oscillating grinder comprising an oscillating and a non-oscillating head, a bearing for the oscillating head comprising a lower race having two flat bearing surfaces substantially at right angles to each other, a frame for supporting the lower race in fixed position, an upper race fixed to the oscillating head and having a flat bearing surface at an angle of substantially 45°

to each of the bearing surfaces of the lower race, a substantially complete series of balls between the two races, a spindle fixed to the oscillating head, means for oscillating the spindle, a radial and thrust bearing in the frame for supporting the spindle below the oscillating means, and means operating between the spindle and the frame through the later bearing for exerting a pre-loading force on the spindle and the head supporting bearing of a substantially greater order of magnitude than that of any other forces exerted on the head during the grinding operation.

2,076,509
COATING AND COATING COMPOSITION
Charles Hugh Whitelaw, Detroit, Mich., assignor to Cook Paint & Varnish Company, Kansas City, Mo., a corporation of Delaware
No Drawing. Application July 30, 1934, Serial No. 737,673
1 Claim. (Cl. 91—68)

The process of coating an uneven surface with a smooth multiple layer coating comprising incorporating a filler of abrasive material having a hardness of at least 8 on the Mohs scale with a vehicle and applying the mixture to said surface, applying a surfacer coating, subjecting the surfacer coating to the action of a similar abrasive having a particle size equal to or smaller than that in the filler to even it and applying additional finish coatings to the evened coating.

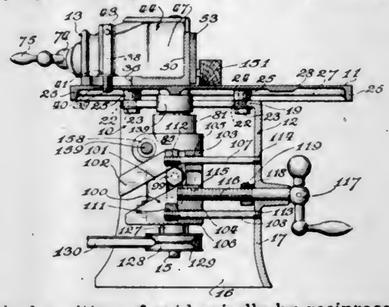
2,076,510
CHAIR CONSTRUCTION
Robert L. Ficks, Cincinnati, Ohio, assignor to Ficks Reed Company, Cincinnati, Ohio, a corporation of Ohio
Application November 30, 1936, Serial No. 113,355
5 Claims. (Cl. 155—187)



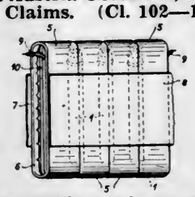
5. In combination, rigidly connected back and seat frames of a chair and a plurality of interlaced strips of woven fabric belting securely attached to the back and seat frames; each of the strips of the interlace on each frame being substantially separated from the other strips running in the same direction, thereby providing an open-work interlace.

2,076,511
WOODWORKING TOOL
Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois
Application May 2, 1935, Serial No. 19,335
7 Claims. (Cl. 144—134)

1. In a shaper, the combination of a supporting base with a work supporting table, said base having a spindle housing located inside the base and extending vertically, said spindle housing having a vertically extending bore, a bearing sleeve slidably mounted in said vertically extending bore and having a transversely extending lug, a spindle rotatably mounted in said bearing sleeve and carrying a cutter, cam means for adjusting the vertical position of said spindle by reciprocating said bearing sleeve, said cam means having a diagonally and upwardly extending slot for engaging said lug, said cam means being slidably mounted on a pair of guide rods, and a threaded member for reciprocating said cam means in a horizontal direction on said guide rods to adjust said spindle.



2,076,512
BLASTING EQUIPMENT
Konrad Schaffler-Glössl, Vienna, Austria
Application January 9, 1936, Serial No. 58,432
In Austria October 3, 1934
3 Claims. (Cl. 102—10)

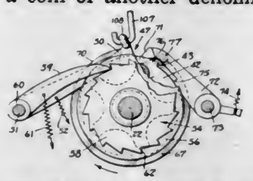


1. A chain assembly made up of a plurality of electric fuses for the ignition of blasting charges, said assembly comprising fuses connected by conductors which are continuous their entire length and insulated throughout, said conductors being wound into the form of a coil between each pair of fuses, said coils being laid end to end in contact with one another with the fuses located between and enclosed by the adjacent coils, and fragile means for holding the several coils in their assembled end to end relation.

2,076,513
CHECK CONTROLLED MECHANISM
Fairfield W. Hoban, New York, N. Y., assignor to Stewart and McGuire, Incorporated, New York, N. Y., a corporation of New York
Application December 28, 1935, Serial No. 56,558
9 Claims. (Cl. 194—63)

1. A check controlled mechanism comprising rotatable operating means, means for locking said operating means in a succession of positions including a locking member actuated by a coin of given denomination to allow a movement of said operating means from one position to the next, and a member having a releasable connection with said operating means for movement therewith and normally retained by said locking member against movement, said second named

member retaining said locking member when actuated by a coin of another denomination, dis-



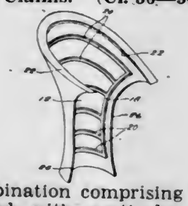
engaged from said locking means for movement of said operating means through a succession of positions.

2,076,514

SHOE HEEL AND DECORATIVE COVER THEREFOR

Howard Huffman, West Palm Beach, Fla., assignor to Joseph A. Sperry, West Palm Beach, Fla.

Application March 23, 1934, Serial No. 716,973
5 Claims. (Cl. 36—34)



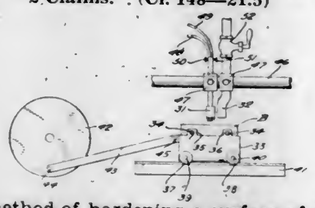
1. The combination comprising a shoe having a heel formed with vertical and horizontal grooves therein and a decorative cover for said heel removably applied thereto and provided with complementary ridges adapted to engage the sides of the grooves on said heel to retain the cover in position thereon.

2,076,515

METHOD OF HEAT TREATING PLANE AND UNIDIMENSIONAL CURVED METALLIC SURFACES

Augustus B. Kinzel, Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application September 16, 1933, Serial No. 689,722
2 Claims. (Cl. 148—21.5)



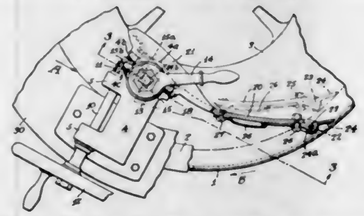
1. A method of hardening a surface of a metal body, portions adjacent the boundaries of said surface having a lower rate of heat loss than the remainder of said surface, such method comprising applying a localized high temperature heating medium to said remainder of said surface while reciprocating said body and said medium relatively to one another in such a manner that the reversals of movement during such reciprocation occur at short distances from said boundaries; repeating such reciprocation a sufficient number of times to substantially uniformly heat said surface to or above the critical range; then discontinuing the application of said heating medium; and thereupon cooling such heated surface sufficiently to harden the same.

2,076,516

DISCHARGER FOR CENTRIFUGAL MACHINES

Eugene Roberts, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah, a corporation of Utah

Application April 14, 1934, Serial No. 720,613
12 Claims. (Cl. 210—70)



1. In a discharger for unloading centrifugal baskets, the combination with a rigid plow shoe secured to a vertically movable pivotal lifting spindle carried by an overhead support, of a scraper attached by a vertical pivot joint to the forward end of said shoe and yieldingly pressed into engagement with a stop on the shoe limiting its outward movement about its pivotal joint, and an oppositely acting stop on said shoe and permitting only a slight inward movement about said joint when the scraper contacts with the wall of material to be discharged and acting thereafter to sustain the thrust of the material against the scraper, thereby causing the scraper to penetrate said material.

2,076,517

MANUFACTURE OF ABRASIVE ARTICLES

Norman P. Robie, Washington, D. C., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

No Drawing. Application July 11, 1931, Serial No. 550,269. In Canada June 28, 1929
16 Claims. (Cl. 51—280)

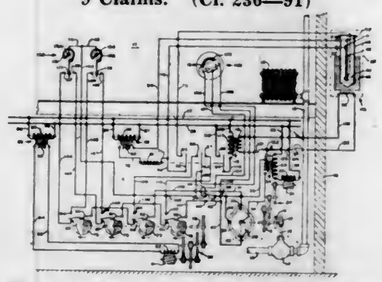
2. A moldable and heat hardenable abrasive mixture comprising abrasive granules coated with a potentially reactive liquid resin, and a finely divided solid and potentially reactive resin.

2,076,518

HEATING SYSTEM

Paul E. Seepe, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 15, 1935, Serial No. 16,273
9 Claims. (Cl. 236—91)



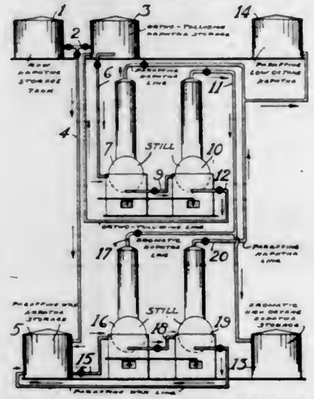
6. In a system of the class described, temperature changing means for a building, an outside controller subject to the same atmospheric conditions as the building, temperature changing means for said outside controller, means responsive to the temperature of said controller for controlling both of said temperature changing means to maintain the temperature of the building at a normal value, means for controlling said building temperature changing means to maintain the building at a temperature other than normal, and means for controlling said building temperature changing means to restore the building to the normal temperature value.

2,076,519

METHOD FOR IMPROVING THE KNOCK RATING OF MOTOR FUEL BY DISTILLATION

Joshua M. Smith, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 13, 1935, Serial No. 54,178
6 Claims. (Cl. 196—75)



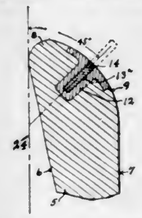
1. A process for improving the knock rating of a naphtha containing aliphatic and aromatic constituents, which comprises adding to a portion of said naphtha a substance containing an aromatic nucleus and having a boiling point substantially above the highest boiling constituent of said naphtha, subjecting the mixture to distillation, taking off as overheads in said distillation a series of fractions of successively higher octane numbers, adding to another portion of said naphtha an open chain organic compound having a boiling point substantially above that of the highest boiling constituent of said naphtha, subjecting this mixture to distillation, taking off in said distillation a series of fractions of successively smaller octane numbers, and blending a sufficient number of the last overheads of the first distillation with the first overheads of the second distillation to produce a mixture having a suitable distillation curve for motor fuel purposes.

2,076,520

AUTOMATIC AIR MOTOR GOVERNOR

Russel Swanson, Cleghorn, Iowa, assignor of one-third to L. H. Cutler and one-third to Oscar E. Johnson

Application January 21, 1936, Serial No. 60,117
21 Claims. (Cl. 170—170)



1. In an air motor, a propeller having a plurality of blades, air-resistant means carried by said blades and wholly located on the airfoil side of the blades, and means holding said air-resistant means inactive when the propeller is rotating below a predetermined rate of speed, said air-resistant means being constructed to assume active positions through the action of centrifugal force when the propeller is in motion for controlling the speed of rotation of said propeller within a predetermined limited rate of speed.

2,076,521

HAIR CURLING AND WAVING DEVICE

Rudolph G. List, Dorchester, Boston, Mass.

Application November 26, 1934, Serial No. 754,775
Renewed October 24, 1936
10 Claims. (Cl. 132—33)



1. A hair curling and waving device comprising in combination a foraminous tubular container; chemicals sealed within, adapted to generate heat when water is added, at different rates of reaction; an absorbent cover to the container; and means for securing to the container a lock of hair wound thereabout.

DESIGNS

APRIL 6, 1937

103,922
DESIGN FOR A HAT ORNAMENT OR SIMILAR ARTICLE
Samuel Antenberg, Brooklyn, N. Y.
Application December 10, 1936, Serial No. 66,458
Term of patent 3½ years



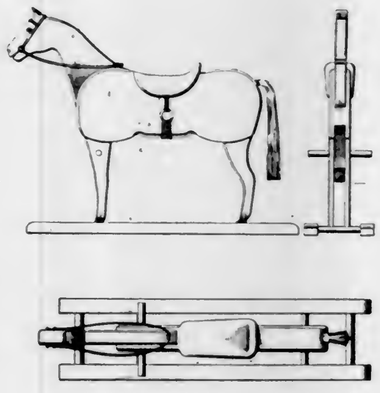
The ornamental design for a hat ornament or similar article as shown and described.

103,923
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Vincent Broomhall, East Liverpool, Ohio, assignor to The Edwin M. Knowles China Co., East Liverpool, Ohio, a corporation of West Virginia
Application February 16, 1937, Serial No. 67,690
Term of patent 7 years



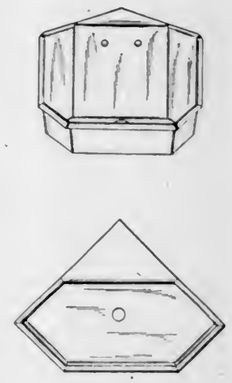
The ornamental design for a plate or similar article as shown.

103,924
DESIGN FOR A PLAY HORSE
John Burns, Kenosha, Wis.
Application February 4, 1937, Serial No. 67,445
Term of patent 7 years



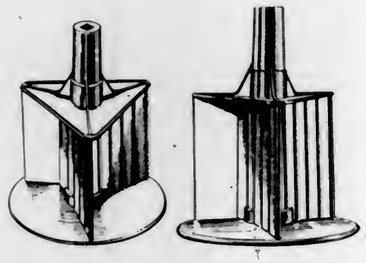
The ornamental design for a play horse, as shown.

103,925
DESIGN FOR A CORNER KITCHEN SINK
Helen G. Carlton, Baltimore, Md.
Application September 16, 1936, Serial No. 64,877
Term of patent 7 years



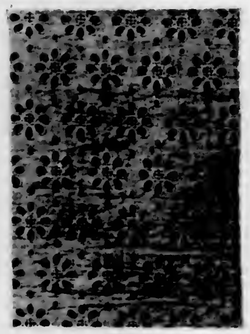
The ornamental design for a corner kitchen sink, as shown.

103,926
DESIGN FOR AN AGITATOR
Fred A. Conterman, Jamestown, N. Y., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y., a corporation of New York
Application March 2, 1937, Serial No. 67,950
Term of patent 14 years



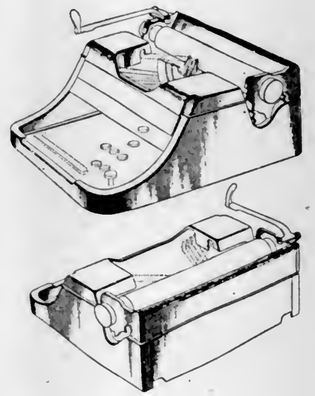
The ornamental design for an agitator substantially as shown.

103,927
DESIGN FOR AN EMBROIDERED LACE FABRIC OR SIMILAR ARTICLE
Rudolph Dannecker, Beacon, N. Y.
Application February 1, 1937, Serial No. 67,388
Term of patent 3½ years



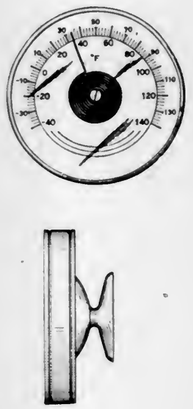
The ornamental design for an embroidered lace fabric or similar article as shown and described.

103,928
DESIGN FOR A TYPEWRITER
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application March 21, 1936, Serial No. 61,718
Term of patent 14 years



The ornamental design for a typewriter, as shown and described.

103,929
DESIGN FOR A THERMOMETER
Norris E. Flanner, Wyckoff, N. J.
Application January 14, 1937, Serial No. 67,047
Term of patent 3½ years



The ornamental design for a thermometer, as shown.

103,930
DESIGN FOR A VASE
Martin I. Freeman, Jr., New York, N. Y.
Application February 16, 1937, Serial No. 67,685
Term of patent 3½ years



The ornamental design for a vase, substantially as shown, and described.

103,931
DESIGN FOR A NOVELTY STATUETTE
Morris Greenberg, New York, N. Y.
Application February 19, 1937, Serial No. 67,746
Term of patent 3½ years



The ornamental design for a novelty statuette, substantially as shown.

103,932
DESIGN FOR A CANDLESTICK
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application January 16, 1937, Serial No. 67,099
Term of patent 3½ years



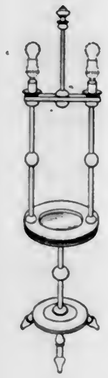
The ornamental design for a candlestick, as shown.

103,933
DESIGN FOR A STANDING LAMP
August Hendrich, Franklin, Ind., assignor to Charlie Hendrich, Bainbridge, Ind.
Application January 28, 1937, Serial No. 67,320
Term of patent 7 years



The ornamental design for a standing lamp, as shown.

103,934
DESIGN FOR A STANDING LAMP
August Hendrich, Franklin, Ind., assignor to Charlie Hendrich, Bainbridge, Ind.
Application January 28, 1937, Serial No. 67,321
Term of patent 7 years



The ornamental design for a standing lamp, as shown.

103,935
DESIGN FOR A TEXTILE FABRIC
John H. Huelat, New York, N. Y.
Application March 6, 1937, Serial No. 68,039
Term of patent 3½ years



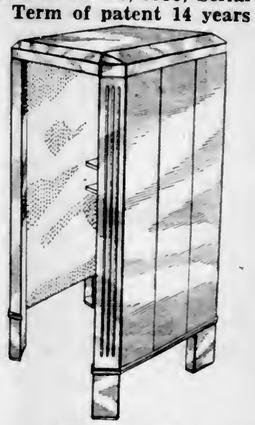
The ornamental design for a textile fabric, substantially as shown.

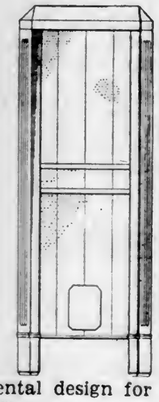
103,936
DESIGN FOR A TEXTILE FABRIC
John H. Huelat, New York, N. Y.
Application March 6, 1937, Serial No. 68,040
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

103,937
DESIGN FOR A COMMUNICATION BOOTH
Alfonso Iannelli, Park Ridge, Ill., assignor to Burgess Battery Company, Chicago, Ill., a corporation of Wisconsin
Application October 26, 1936, Serial No. 65,500
Term of patent 14 years





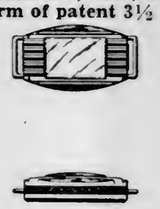
The ornamental design for a communication booth, as shown.

103,938
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Adolph C. Jaeger, Port Chester, N. Y.
Application February 19, 1937, Serial No. 67,740
Term of patent 7 years



The ornamental design for a textile fabric or similar article substantially as shown and described.

103,939
DESIGN FOR A WATCHCASE
Herbert I. Kolberg, Mount Vernon, N. Y., assignor to Pioneer Watch Case Company, New York, N. Y., a corporation of New York
Application March 5, 1937, Serial No. 68,026
Term of patent 3½ years



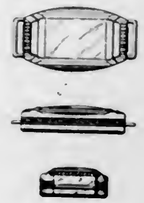
The ornamental design for a watchcase, as shown.

103,940
DESIGN FOR A WATCHCASE
Herbert I. Kolberg, Mount Vernon, N. Y., assignor to Pioneer Watch Case Company, New York, N. Y., a corporation of New York
Application March 5, 1937, Serial No. 68,027
Term of patent 3½ years



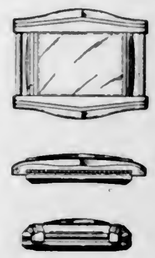
The ornamental design for a watchcase, as shown.

103,941
DESIGN FOR A WATCHCASE
Herbert I. Kolberg, Mount Vernon, N. Y., assignor to Pioneer Watch Case Company, New York, N. Y., a corporation of New York
Application March 5, 1937, Serial No. 68,028
Term of patent 3½ years



The ornamental design for a watchcase, as shown.

103,942
DESIGN FOR A WATCHCASE
Herbert I. Kolberg, Mount Vernon, N. Y., assignor to Pioneer Watch Case Company, New York, N. Y., a corporation of New York
Application March 5, 1937, Serial No. 68,029
Term of patent 3½ years



The ornamental design for a watchcase, as shown.

103,943
DESIGN FOR A WATCHCASE
Herbert I. Kolberg, Mount Vernon, N. Y., assignor to Pioneer Watch Case Company, New York, N. Y., a corporation of New York
Application March 5, 1937, Serial No. 68,030
Term of patent 3½ years



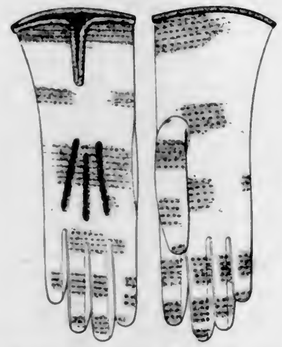
The ornamental design for a watchcase, as shown.

103,944
DESIGN FOR A WATCHCASE
Herbert I. Kolberg, Mount Vernon, N. Y., assignor to Pioneer Watch Case Company, New York, N. Y., a corporation of New York
Application March 5, 1937, Serial No. 68,031
Term of patent 3½ years



The ornamental design for a watchcase, as shown.

103,945
DESIGN FOR A GLOVE
Louis Levine, New York, N. Y., assignor to Van Raalte Company, New York, N. Y., a corporation of New York
Application January 15, 1937, Serial No. 67,071
Term of patent 3½ years



The ornamental design for a glove, as shown and described.

103,946
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H.
Application December 1, 1936, Serial No. 66,225
Term of patent 3½ years



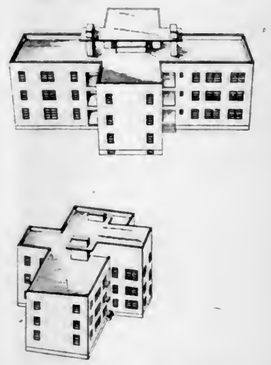
The ornamental design for a shoe, substantially as shown.

103,947
DESIGN FOR AN ANTISLIP SHOE HEEL ATTACHMENT
Alfred Mancini, Roslindale, Mass.
Application June 4, 1936, Serial No. 63,009
Term of patent 14 years



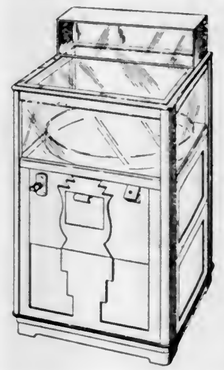
The ornamental design for an anti-slip shoe heel attachment, as shown.

103,948
DESIGN FOR A BUILDING
Walter R. McCornack, Cleveland Heights, Ohio
Application January 16, 1937, Serial No. 67,092
Term of patent 14 years



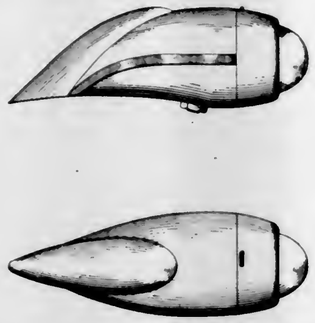
The ornamental design for a building as shown.

103,949
DESIGN FOR A DISPLAY CABINET
John F. Meyer, Chicago, Ill.
Application January 18, 1937, Serial No. 67,125
Term of patent 3½ years



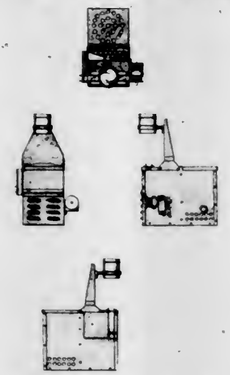
The ornamental design for a display cabinet, as shown.

103,950
DESIGN FOR A LAMP HOUSING
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application February 10, 1937, Serial No. 67,554
Term of patent 14 years



The ornamental design for a lamp housing, as shown and described.

103,951
DESIGN FOR A PROJECTOR
Thomas H. North, Bald Eagle, Minn.
Application February 15, 1937, Serial No. 67,662
Term of patent 14 years



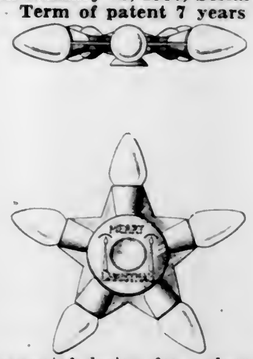
The ornamental design for a projector, as shown.

103,952
DESIGN FOR A WATCHCASE
David Ornstein, New York, N. Y.
Application March 3, 1937, Serial No. 67,957
Term of patent 7 years



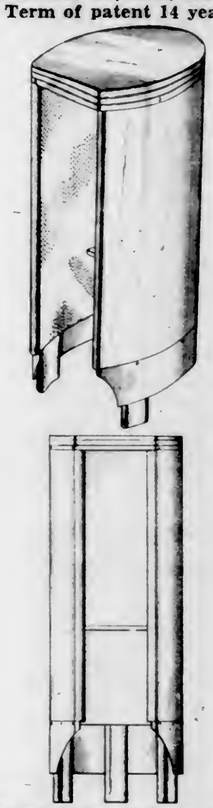
The ornamental design for a watchcase, as shown.

103,953
DESIGN FOR A DECORATIVE LIGHT
Leopold Pollock, New York, N. Y.
Application January 16, 1937, Serial No. 67,081
Term of patent 7 years



The ornamental design for a decorative light, as shown.

103,954
DESIGN FOR A COMMUNICATION BOOTH
Benjamin S. Reynolds, Madison, Wis., assignor to Burgess Battery Company, Madison, Wis., a corporation of Wisconsin
Application October 26, 1936, Serial No. 65,501
Term of patent 14 years



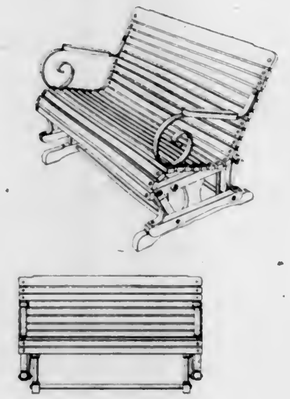
The ornamental design for a communication booth as shown.

103,955
DESIGN FOR A SHADE PULL
Edith Richcreek, St. Petersburg, Fla.
Application September 28, 1936, Serial No. 65,034
Term of patent 3½ years



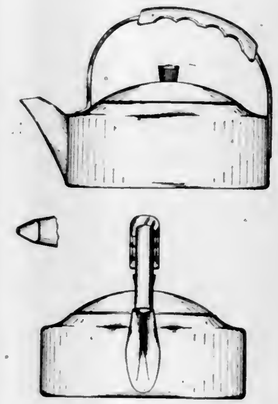
The ornamental design for a shade pull, as shown.

103,956
DESIGN FOR A LAWN SETTEE
Robert M. Rink, Goshen, Ind., assignor to The Goshen Manufacturing Company, Goshen, Ind.
Application February 16, 1937, Serial No. 67,692
Term of patent 14 years



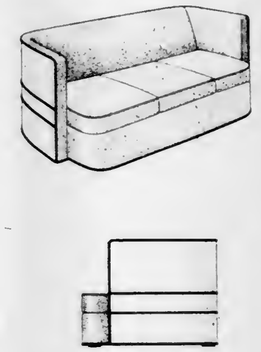
The ornamental design for a lawn settee, as shown.

103,957
DESIGN FOR A TEAKETTLE
Harry J. Salisbury and Elsie H. Wunderley, New Kensington, Pa., assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application January 21, 1937, Serial No. 67,206
Term of patent 3½ years



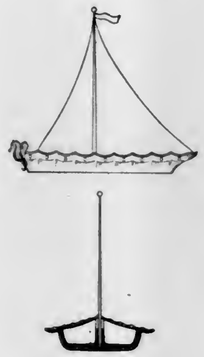
The ornamental design for a teakettle as shown.

103,958
DESIGN FOR A SOFA OR SIMILAR ARTICLE
Norval Tyrrell, New York, N. Y.
Application March 3, 1937, Serial No. 67,954
Term of patent 3½ years



The ornamental design for a sofa or similar article, substantially as shown.

103,959
DESIGN FOR A SALAD DISH BOAT
Sadye Elaine Wallace, New York, N. Y.
Application July 14, 1936, Serial No. 63,840
Term of patent 3½ years



The ornamental design for a salad dish boat as shown.

103,960
DESIGN FOR A ROLL TOP DESK
Abraham Warshawsky, Detroit, Mich.
Application December 4, 1936, Serial No. 66,321
Term of patent 7 years



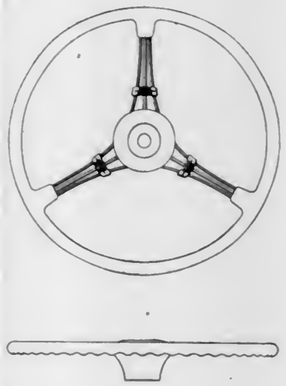
The ornamental design for a roll top desk, substantially as shown.

103,961
DESIGN FOR AN ASHTRAY
Donald C. Wharton, Pittsburgh, Pa., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application January 21, 1937, Serial No. 67,195
Term of patent 3½ years



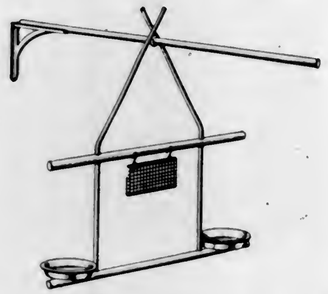
The ornamental design for an ashtray as shown.

103,962
DESIGN FOR A STEERING WHEEL FOR AUTOMOBILES
Magnus M. Burgess, Detroit, Mich., assignor to Sheller Manufacturing Corporation, Portland, Ind., a corporation of Indiana
Application August 19, 1935, Serial No. 58,199
Term of patent 14 years



The ornamental design for a steering wheel for automobiles, substantially as shown and described.

103,963
DESIGN FOR A BIRD FEEDING STATION
Edward Gay Butler, Boyce, Va.
Application February 11, 1937, Serial No. 67,592
Term of patent 7 years



The ornamental design for a bird feeding station, as shown.

103,964
DESIGN FOR AN APPLIQUÉ EMBLEM
Charles Emmey, New York, N. Y.
Application February 11, 1937, Serial No. 67,601
Term of patent 7 years



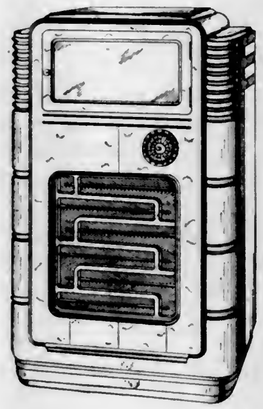
The ornamental design for an appliqué emblem, substantially as shown and described.

103,965
DESIGN FOR AN APPLIQUÉ EMBLEM
Charles Emmey, New York, N. Y.
Application February 11, 1937, Serial No. 67,602
Term of patent 7 years



The ornamental design for an appliqué emblem, substantially as shown and described.

103,966
DESIGN FOR A PHONOGRAPH CABINET
Paul M. Fuller, Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application February 5, 1937, Serial No. 67,475
Term of patent 7 years



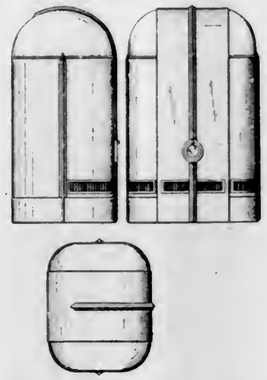
The ornamental design for a phonograph cabinet, substantially as shown and described.

103,967
DESIGN FOR A BOWL
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application January 16, 1937, Serial No. 67,095
Term of patent 3½ years



The ornamental design for a bowl as shown.

103,968
DESIGN FOR A CASING FOR AN AIR CONDITIONING UNIT OR SIMILAR ARTICLE
Donald C. Hollister, Grosse Pointe, Mich., assignor to W. A. Maher, Detroit, Mich., doing business as Precision Products Company
Application February 12, 1937, Serial No. 67,605
Term of patent 7 years



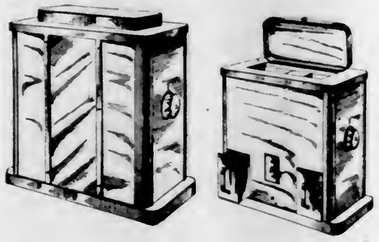
The ornamental design for a casing for an air conditioning unit or similar article, as shown.

103,969
DESIGN FOR A HACKSAW FRAME
Edward Morris Jack, Torrington, Conn.
Application December 4, 1936, Serial No. 66,304
Term of patent 14 years



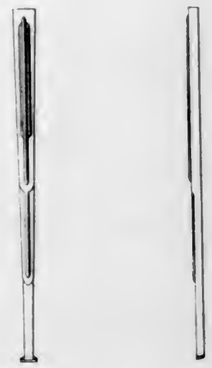
The ornamental design for a hacksaw frame, substantially as shown.

103,970
DESIGN FOR A COFFEE MILL HOUSING
Harry M. Jacobs, Brooklyn, N. Y., assignor to The Jacobs Bros. Co. Inc., Brooklyn, N. Y., a corporation of New York
Application February 25, 1937, Serial No. 67,835
Term of patent 3½ years



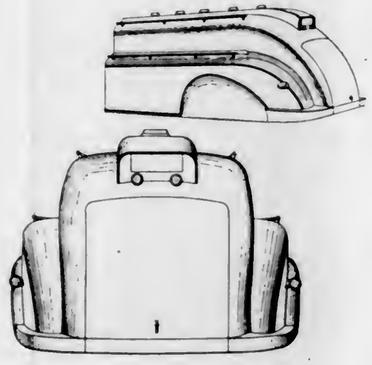
The ornamental design for a coffee mill housing, as shown and described.

103,971
DESIGN FOR AN IRONING BOARD SUPPORT
Udo K. Johannsen, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York
Application June 13, 1936, Serial No. 63,274
Term of patent 7 years



The ornamental design for an ironing board support, as shown.

103,972
DESIGN FOR A VEHICLE TANK BODY
John F. Frazier, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application May 22, 1936, Serial No. 62,774
Term of patent 7 years



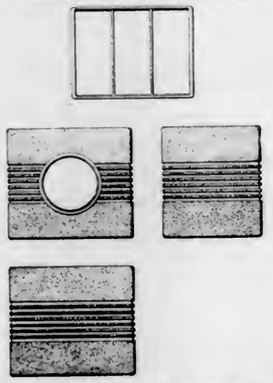
The ornamental design for a vehicle tank body substantially as shown.

103,973
DESIGN FOR A TEXTILE FABRIC
Walter Kaplan, San Francisco, Calif., assignor to The Emporium, San Francisco, Calif., a corporation of California
Application October 27, 1936, Serial No. 65,541
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

103,974
DESIGN FOR A BATTERY BOX
Raymond Le Clercq, Los Angeles, Calif., assignor to Western Molded Products, Inc., Los Angeles, Calif., a corporation of Ohio
Application February 18, 1937, Serial No. 67,726
Term of patent 7 years



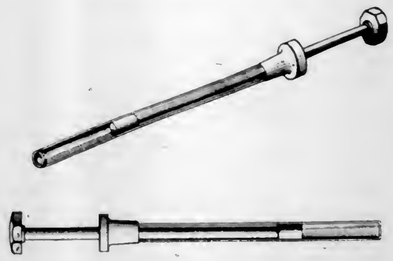
The ornamental design for a battery box, as shown and described.

103,975
DESIGN FOR A POT HOLDER
Leo I. Levy, Chicago, Ill.
Application January 17, 1936, Serial No. 60,634
Term of patent 7 years



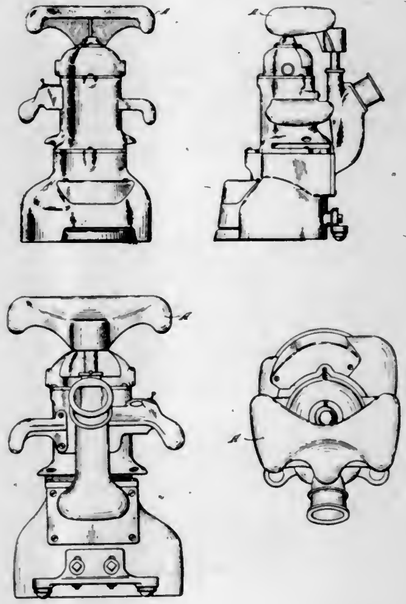
The ornamental design for a pot holder, as shown and described.

103,976
DESIGN FOR AN APPLICATOR OR SIMILAR ARTICLE
Herman B. Lermer, Newark, N. J., assignor to Hygienic Tube & Container Company, Newark, N. J., a corporation of New Jersey
Application October 13, 1936, Serial No. 65,285
Term of patent 14 years



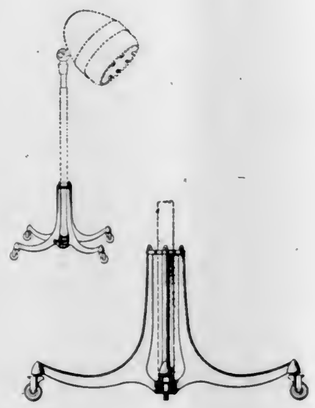
The ornamental design for an applicator or similar article, as shown and described.

103,977
DESIGN FOR A ROTARY DISK EDGING MACHINE
Harry L. Myers, Toledo, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio
Application December 30, 1936, Serial No. 66,815
Term of patent 14 years



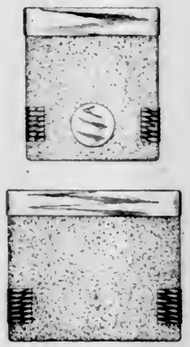
The ornamental design for a rotary disk edging machine, substantially as shown and described.

103,978
DESIGN FOR A HAIR DRIER
Marion W. Pitner, Chicago, Ill., assignor to The National Mineral Company, Chicago, Ill., a corporation of Illinois
Application July 20, 1936, Serial No. 63,945
Term of patent 14 years



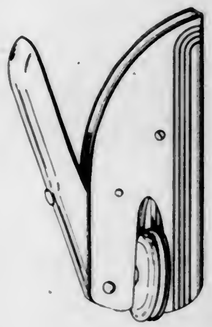
The ornamental design for a hair drier as shown and described.

103,979
DESIGN FOR A STORAGE BATTERY CASE
Willard L. Reinhardt, Shaker Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application February 23, 1937, Serial No. 67,800
Term of patent 14 years



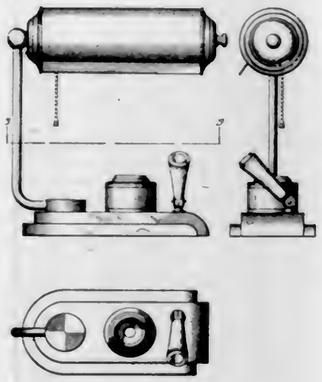
The ornamental design for a storage battery case substantially as shown and described.

103,980
DESIGN FOR A SEAL PRESS OR SIMILAR ARTICLE
Henry E. Sachs and Peter F. Elzi, Denver, Colo.
Application February 1, 1937, Serial No. 67,389
Term of patent 7 years



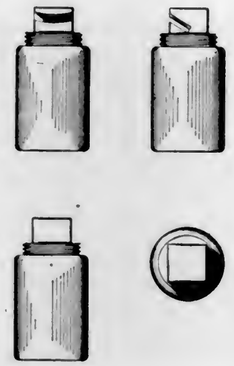
The ornamental design for a seal press or similar article, as shown and described.

103,981
DESIGN FOR A COMBINED LAMP AND DESK SET
Gustav J. Sengbusch, Milwaukee, Wis.
Application October 5, 1936, Serial No. 65,167
Term of patent 7 years



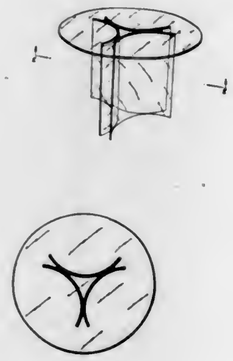
The ornamental design for a combined lamp and desk set substantially as shown.

103,982
DESIGN FOR A LAWN SPRINKLER HEAD
Samuel G. Weber, Pasadena, Calif.
Application July 6, 1936, Serial No. 63,666
Term of patent 3½ years



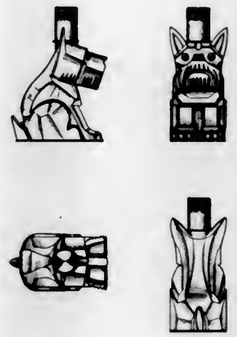
The ornamental design for a lawn sprinkler head substantially as shown.

103,983
DESIGN FOR A GLASS DISPLAY TABLE OR SIMILAR ARTICLE
Harold M. Alexander, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo Ohio
Application August 1, 1936, Serial No. 64,179
Term of patent 7 years



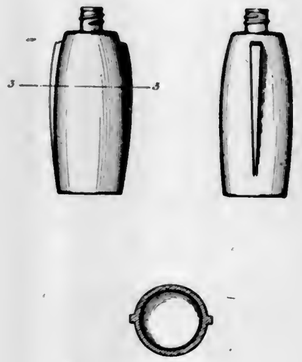
The ornamental design for a glass display table or similar article, substantially as shown.

103,984
DESIGN FOR A LIGHTER
Jacob Avedon, Freeport, N. Y.
Application February 25, 1937, Serial No. 67,846
Term of patent 7 years



The ornamental design for a lighter as shown.

103,985
DESIGN FOR A BOTTLE
Reco Capey, London, England, assignor to Yardley & Co., Limited, Stratford, London, England, a corporation of Great Britain and Northern Ireland
Application February 19, 1937, Serial No. 67,735
In Great Britain November 13, 1936
Term of patent 14 years



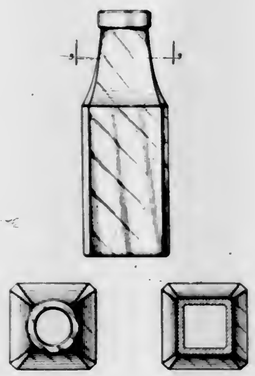
The ornamental design for a bottle, as shown.

103,986
DESIGN FOR A COMBINED DISPLAY STAND AND CONTAINER
Reco Capey, London, England, assignor to Yardley & Co., Limited, Stratford, London, England, a corporation of Great Britain and Northern Ireland
Application February 19, 1937, Serial No. 67,736
In Great Britain November 13, 1936
Term of patent 14 years



The ornamental design for a combined display stand and container, as shown.

103,987
DESIGN FOR A MILK BOTTLE OR SIMILAR ARTICLE
Harry Ennever, Harrington Park, N. J.
Application February 16, 1937, Serial No. 67,687
Term of patent 7 years



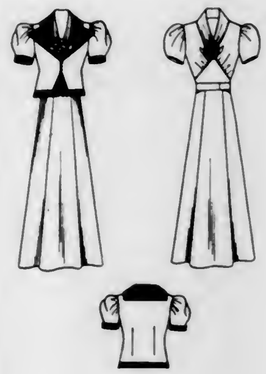
The ornamental design for a milk bottle, or similar article, substantially as shown.

103,988
DESIGN FOR A COMFORTABLE
Joseph Goodstein, New York, N. Y.
Application March 6, 1937, Serial No. 68,042
Term of patent 3½ years



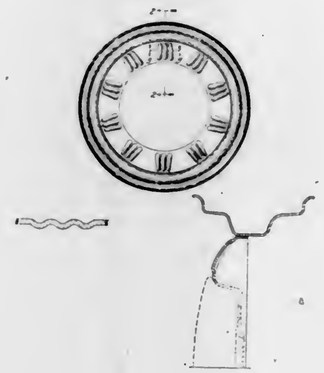
The ornamental design for a comfortable, substantially as shown, and described.

103,989
DESIGN FOR A DRESS ENSEMBLE
Aaron Guzy, New York, N. Y.
Application March 10, 1937, Serial No. 68,096
Term of patent 3½ years



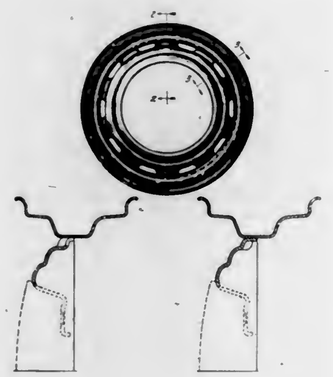
The ornamental design for a dress ensemble, substantially as shown, and described.

103,990
DESIGN FOR A WHEEL
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application March 2, 1936, Serial No. 61,450
Term of patent 7 years



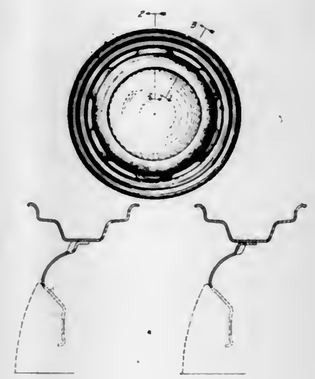
The ornamental design for a wheel, substantially as shown and described.

103,991
DESIGN FOR A WHEEL
J Harold Hunt and Harry J. Horn, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application March 2, 1936, Serial No. 61,449
Term of patent 7 years



The ornamental design for a wheel, as shown and described.

103,992
DESIGN FOR A WHEEL
J Harold Hunt and Harry J. Horn, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application August 7, 1936, Serial No. 64,285
Term of patent 7 years



The ornamental design for a wheel, as shown and described.

103,993
DESIGN FOR A FOOD BOWL
Helen C. Keith, Kingston, Mass.
Application February 13, 1937, Serial No. 67,658
Term of patent 7 years



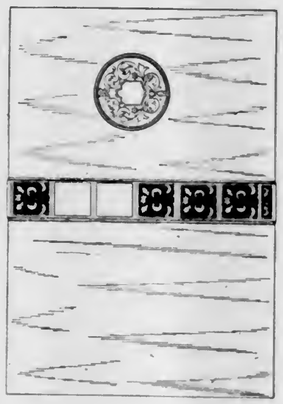
The ornamental design for a food bowl, as shown and described.

103,994
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application March 9, 1937, Serial No. 68,086
Term of patent 3½ years



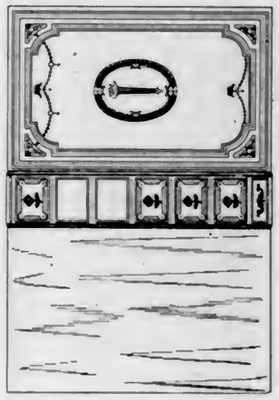
The ornamental design for a dress, substantially as shown.

103,995
DESIGN FOR A BOOK COVER
Leonard Mounteney, Chicago, Ill.
Application February 26, 1937, Serial No. 67,875
Term of patent 7 years



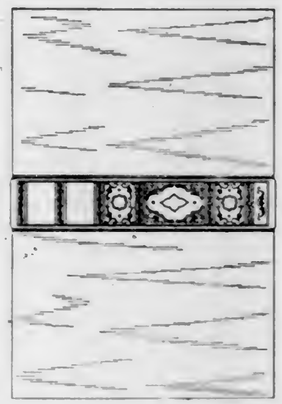
The ornamental design for a book cover, as shown.

103,996
DESIGN FOR A BOOK COVER
Leonard Mounteney, Chicago, Ill.
Application February 26, 1937, Serial No. 67,876
Term of patent 7 years



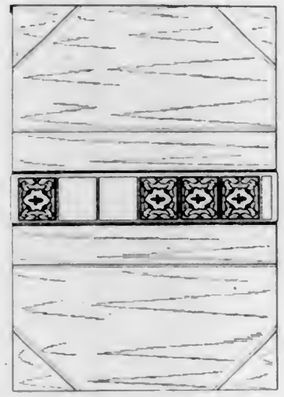
The ornamental design for a book cover, as shown.

103,997
DESIGN FOR A BOOK COVER
Leonard Mounteney, Chicago, Ill.
Application February 26, 1937, Serial No. 67,877
Term of patent 7 years



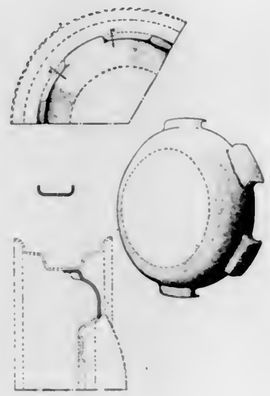
The ornamental design for a book cover, as shown.

103,998
DESIGN FOR A BOOK COVER
Leonard Mounteney, Chicago, Ill.
Application March 1, 1937, Serial No. 67,926
Term of patent 7 years



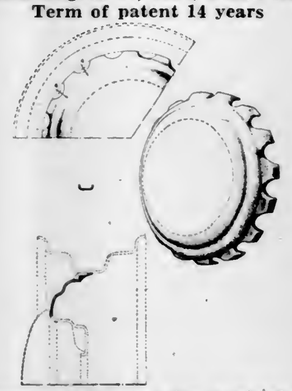
The ornamental design for a book cover as shown.

103,999
DESIGN FOR A WHEEL
James W. Pattison, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 17, 1936, Serial No. 64,445
Term of patent 14 years



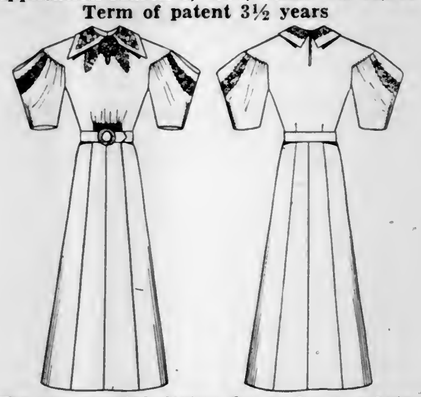
The ornamental design for a wheel substantially as shown and described.

104,000
DESIGN FOR A WHEEL
James W. Pattison, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 17, 1936, Serial No. 64,448
Term of patent 14 years



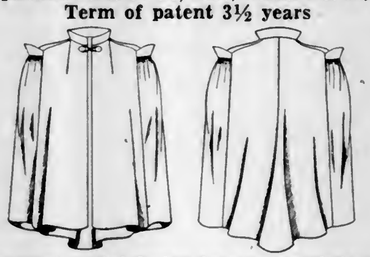
The ornamental design for a wheel substantially as shown and described.

104,001
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application March 6, 1937, Serial No. 68,038
Term of patent 3½ years



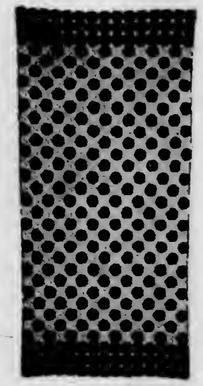
The ornamental design for a dress, substantially as shown, and described.

104,002
DESIGN FOR A CAPE
Morris Spector, New York, N. Y.
Application March 10, 1937, Serial No. 68,099
Term of patent 3½ years



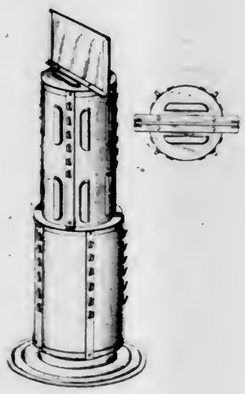
The ornamental design for a cape substantially as shown.

104,003
DESIGN FOR LACE
Morris Taub, New York, N. Y.
Application March 12, 1937, Serial No. 68,127
Term of patent 3½ years



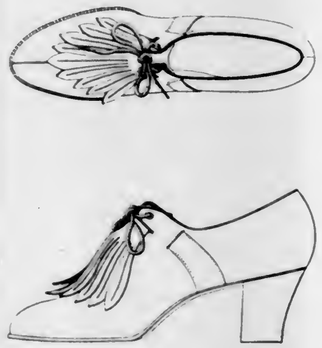
The ornamental design for lace, substantially as shown and described.

104,004
DESIGN FOR A MERCHANDISE DISPLAY STAND
James F. Urbanek, Elmwood Park, Ill., assignor to The Susu Nut Co., Chicago, Ill., a corporation of Illinois
Application August 29, 1936, Serial No. 64,633
Term of patent 14 years



The ornamental design for a merchandise display stand substantially as shown and described.

104,005
DESIGN FOR A SHOE
Burton L. Wales, Abington, Mass., assignor to The Stetson Shoe Company, Inc., Weymouth, Mass., a corporation of Massachusetts
Application February 18, 1937, Serial No. 67,723
Term of patent 7 years



The ornamental design for a shoe, substantially as shown.

104,006
DESIGN FOR A COMFORTABLE
Joseph Goodstein, New York, N. Y.
Application March 13, 1937, Serial No. 68,146
Term of patent 3½ years



The ornamental design for a comfortable, substantially as shown, and described.

104,007
DESIGN FOR A COMFORTABLE
Joseph Goodstein, New York, N. Y.
Application March 15, 1937, Serial No. 68,174
Term of patent 3½ years



The ornamental design for a comfortable, substantially as shown, and described.

104,008
DESIGN FOR A COMFORTABLE
Joseph Goodstein, New York, N. Y.
Application March 15, 1937, Serial No. 68,175
Term of patent 3½ years



The ornamental design for a comfortable, substantially as shown, and described.

Patents Nos. 2,076,522 to 2,077,374

THE OFFICIAL GAZETTE

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April 13, 1937

Trade-Marks	222—No.	344,942 to No.	345,163, inclusive.
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Labels	35—No.	49,187 to No.	49,221, inclusive.
Prints	17—No.	16,149 to No.	16,165, inclusive.
Reissues	8—No.	20,326 to No.	20,333, inclusive.
Plant Patents	2—No.	243 to No.	244, inclusive.
Patents	853—No.	2,076,522 to No.	2,077,374, inclusive.
Designs	119—No.	104,009 to No.	104,127, inclusive.
Total	1,271		

Notice

In accordance with the provisions of Rule 17 of the Rules of Practice in the United States Patent Office, an examination for the registration of attorneys to practice before the United States Patent Office will be held on May 19, 1937.

This examination may be taken in any of the large cities of the country and will be given under the direction of the Civil Service Commission. Applications to take the examination should be made to the Commissioner of Patents and such applications must be received in the Patent Office not later than May 4, 1937.

Application blanks may be obtained from the Chief Clerk of the Patent Office.

LESLIE FRAZER,
Chairman of the Committee on Enrollment and Disbarment.

Interference Notice

U. S. Patent Office, *Washington, D. C., Mar. 11, 1937.*

Clifford R. Carney, his assigns or legal representatives, take notice:

An interference has been declared by this Office between the applications for patent of Clarence E. Journey, 5810 South Normandie Avenue, Los Angeles, California, Herbert G. Breitenstein, 4619 Ravenswood Avenue, Chicago, Illinois, and Clifford R. Carney, Post Office Box 1406, Miami, Florida. The attorneys who represented the party Carney, in withdrawing from the case, gave the present address of Carney as % Cliff Electric Co., 140 Seybold Arcade, Miami, Florida. A copy of an office action sent to said Carney at this last mentioned address, has been returned by the post office as undeliverable. Notice is hereby given that unless said Carney, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Transfer of Class

Order No. 3388

U. S. Patent Office, *Washington, D. C., Mar. 27, 1937.*

The following transfer, to take effect Monday, April 5, 1937, is hereby ordered:

Class 252 from Division 56 to Division 59.

CONWAY P. COE,
Commissioner.

Adjudicated Patents

(C. C. A. Mich.) Gordon and Redlin patent, No. 1,542,803, for lathe, claims 1, 2, 28 to 30, 33, 34, and 39 to 42 *Held* valid and infringed and claims 29 and 30 *Held* not infringed. *Ford Motor Co.* v. *Gordon Form Lathe Co.*, 87 F.(2d) 390.

(D. C. Mass.) Pitman patent, No. 1,630,309, for frying apparatus, claim 1 *Held* valid and infringed. *J. C. Pitman & Sons* v. *Pitman*, 17 F. Supp. 672.

(D. C. N. Y.) Speetjens reissue patent, No. 18,614, for apparatus for permanently waving the hair, *Held* invalid. *Rewave Heaters* v. *Nestle-Lemur Co.*, 17 F. Supp. 701.

Trade-Mark Registrations Canceled

293,377. Certain named toilet preparations. Siegelman Laboratories, Inc., Los Angeles, Calif. Registered April 19, 1932. Canceled March 12, 1937.

310,736. Certain named cosmetics. Associated Motion Picture Make-Up Artists, Incorporated, Ltd., Hollywood, Calif. Registered March 6, 1934. Canceled March 12, 1937.

316,512. Beer. United Brewing Company, Newark, N. J. Registered August 28, 1934. Canceled March 19, 1937.

339,160. Electrical connectors. Burndy Engineering Company, Inc., New York, N. Y. Registered September 29, 1936. Canceled March 19, 1937.

Condition of Applications Under Examination at Close of Business March 27, 1937

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 37,502; Trade-Mark Division, 1,698 Oldest new case, Sept. 24, 1936; oldest amended, Sept. 17, 1936.) (The dates given are 1936 except where † indicates 1937) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Nov. 27	Dec. 28	454
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco: Butchering; Bee Culture.	Nov. 11	Oct. 31	762
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Jan. 2	†Jan. 4	473
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Dec. 1	Nov. 27	590
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics· Sound Recording; Knotters; Buckles, Buttons, Etc.	Dec. 17	Dec. 22	523
4898C	6. LEWERS, A. M , Carbon Chemistry (part)	Nov. 30	Nov. 19	722
5725	7. JARBOE, C. G., Optics; Photography	Dec. 28	Dec. 28	857
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Dec. 9	Dec. 9	507
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Jan. 5	Dec. 28	462
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Dec. 26	†Jan. 9	413
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Dec. 28	†Jan. 2	410
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	Oct. 20	Nov. 11	708
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling; Plastic Metal Working.	†Jan. 6	Dec. 19	476
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Dec. 19	Dec. 19	607
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Dec. 23	Dec. 23	962
5612	16. SPENCER, C. J., Telegraphy; Telephony	Dec. 1	Dec. 1	628
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 27	Dec. 28	856
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 24	Nov. 24	493
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Dec. 12	Dec. 4	716
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Dec. 17	Dec. 21	489
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 28	Dec. 30	630
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Dec. 29	Dec. 30	590
7624	23. BUTTNER, W. J. (Act.), Registers (part)	Sept. 24	Sept. 17	227
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Jan. 4	†Jan. 9	559
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 24	Dec. 27	527
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	†Jan. 9	†Jan. 12	446
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Oct. 14	Oct. 14	807
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Dec. 28	Dec. 30	277
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	†Jan. 9	†Jan. 6	442
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 27	Dec. 1	755
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	†Jan. 6	Dec. 28	428
4086	32. LESH, KARL (Act.), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating.	Dec. 28	Dec. 28	471
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	†Jan. 6	†Jan. 4	611
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	†Jan. 13	†Jan. 19	302
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Oct. 22	Nov. 4	682
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	†Jan. 21	†Jan. 21	284
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Nov. 13	Nov. 12	726
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Dec. 22	Dec. 28	396
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	Nov. 27	Nov. 27	467
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Nov. 18	Nov. 18	1176
6082	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	Oct. 29	Oct. 30	452
5882	42. CUTTING, H. O., Electric Signaling	Dec. 17	Dec. 22	396
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Dec. 28	Dec. 28	592
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Nov. 28	Dec. 1	636
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 6	Nov. 13	671
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Dec. 16	Dec. 16	423
7600	47. BARKER, H., Clutches; Brakes	†Jan. 13	†Jan. 11	446
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 28	Dec. 28	529
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	†Jan. 7	†Jan. 8	444
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Dec. 27	Dec. 27	604
5628	51. BACKUS, C. D., Radiant Energy	Dec. 23	Dec. 23	717
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	†Jan. 5	†Jan. 2	563
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Nov. 6	Nov. 9	1024
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	†Jan. 11	†Jan. 22	356
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 19	Oct. 9	870
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation.	Dec. 1	Dec. 1	852
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Nov. 22	Nov. 25	580
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	†Jan. 4	†Jan. 18	352
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part)	†Jan. 9	†Jan. 19	413
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Nov. 13	Nov. 16	589
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	†Jan. 11	†Jan. 9	310
3876	62. PUGH, E. C., Games; Geometrical Instruments	†Jan. 6	†Jan. 15	432
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Dec. 23	Dec. 24	523
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Dec. 28	Dec. 28	841
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 28	Oct. 27	722
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks	†Feb. 27	†Mar. 13	1469
	{Labels and Prints	†Mar. 1	†Mar. 13	229
2605	DESIGNS, H. H. KALUPY	†Mar. 1	†Mar. 12	555

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE SUNDERLAND

No. 3,681. Decided December 7, 1936

86 F.(2d) 336

PATENTABILITY—BRIDGE CABLE.

A claim of an application for a bridge cable *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Cleon J. Sawyer, Mr. H. Monroe Humason, and *Mr. Francis B. Leech* for Sunderland.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.:*

The appellant filed an application in the United States Patent Office for a patent on certain alleged new and useful improvements in wire cables. A number of claims were allowed, but claim 2 was rejected by the Examiner, and on appeal by the Board of Appeals. This claim is as follows:

2. A bridge cable or the like comprising a plurality of strands and having an inner protective wrapping of metallic tape wound in overlapping turns and an outer sealing wrapping of wire wound helically at approximately right angles to the cable with the successive wraps abutting to seal the cable.

The rejection was made by the Examiner on the following references: British to Siemens et al., 332,177, July 17, 1930; Fowle, 1,821,908, September 1, 1931; Robinson, 1,636,388, July 19, 1927; "Suspension Bridges" by Steinman, 1922.

The Board of Appeals also relied upon the same references. The appellant has appealed.

The application discloses an alleged improvement in bridge cables, and is applicable to a construction made of either helically wound or straight parallel strands. The alleged improvement consists of two features, namely, fillers which are used to take up the space between the various strands and the wrapping of the entire cable, and an alleged improved form of cover for the cable, to keep it compact and tight, and to protect its strands from injury by the infiltration of moisture. The appellant proposes to effect the latter result by wrapping the exterior of the cable with an outer helically wound continuous metallic tape of zinc. This zinc strip is so wound, and of such width that "each turn overlaps the preceding turn about two-thirds of the tape width." Outside of the zinc tape is what is designated by the applicant in his specification, as "the usual outer winding of wire." This wire is so wound in a helical form that the coils abut upon each other and make a tight covering, so that there will be "substantially no chance of any moisture penetrating to the cable strands."

In this court, the Patent Office has relied largely for prior art upon the reference patent to Fowle, and the publication "Suspension Bridges" by Steinman. The Examiner relied largely upon the British patent to Siemens et al. However, the Board of Appeals was of the opinion that the Siemens reference was "not as pertinent as might appear from mere inspection of it."

The Fowle patent is thought by the appellant to be from a nonanalogous art, and that, therefore, it is not a proper reference. The said patent is, as is stated in the patent, to cover "a wire cable of high mechanical strength, low effective electrical resistivity, and high resistance to corrosion." The object of the structure provided in the Fowle patent is to produce a cable of two principal metals, "one for mechanical strength and the other for electrical conductivity, so associated that they will be guarded against corrosion, as from exposure to weather," etc.

While it is true that Fowle seems to be concerned largely with avoiding electrical interference, and appellant's application has in mind a bridge cable, it seems to us that the art which is concerned in both the patent and the application are the same, namely, the art of protecting cables against corrosion and the effects of weather, including also the element of strength.

Fowle shows a construction in which the strand or cable to be protected is covered by helically wound strips of metal, in some instances by such strips wound one over the other in opposite directions, and in other instances, such as is shown in Figure 12, by such strips wound in an overlapping manner. The patentee recites that his metal tape may be wound with abutting joints, "to minimize penetration of moisture into the sheath," but also recites that it may be wound with either abutting joints, open joints, or overlapping joints. He also discloses that either a single metal ribbon or a plurality of wrappings may be used, and that these may be wound either in opposite directions or in the same direction.

It is quite obvious, therefore, that Fowle discloses a metal wrapping which is the equivalent of the metal tape wrapping shown by appellant, and that at least one of its objects, namely, the protection of the cable from moisture, is disclosed by Fowle.

That the expedient of an outside wrapping of metal wire is old in the art is also disclosed by the application of appellant here, wherein he recites, as heretofore stated, that he uses an outer winding of wire as is usual in such cases. Moreover, the publication shows that it is a common expedient to secure additional protection to cables "by providing a tight and continuous wire wrapping around the cable." This, the publication recites, may be soft, annealed, galvanized wire. It is further stated that the function of such wrapping is to exclude moisture, protect the outer wires, and to hold the entire mass of wires so tightly "as to prevent chafing and ensure united stress action."

While no previous art is shown wherein the exact construction of the applicant here is anticipated in this respect, namely, in the placing of the helically wound wire wrapping immediately over and upon

the inner protective wrapping of metal tape, it will be observed that rejected claim 2 does not recite any such construction, but is much broader. The contacting of the inner protective wrapping and the outer wire wrapping is not recited in the claim.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MARION LAMBERT, INC., *v.* O'CONNOR

No. 3,676. Decided December 21, 1936

86 F.(2d) 980

1. TRADE-MARKS—GOODS OF SAME DESCRIPTIVE PROPERTIES—DEPILATORIES AND DEODORANTS.

"Depilatories unquestionably are of the same descriptive properties as deodorants—one removes hair, the other removes odors. Both are for personal application, and are sold in the same places and to the same class of casual purchasers."

2. SAME—CONFUSING SIMILARITY—"VOO" AND "DEW".

The trade-mark "VOO" *Held* not registrable since it is held to bear sufficient resemblance to the mark "DEW", owned and previously used by another, as to admit of the likelihood of confusion when used on goods of the same descriptive properties.

APPEAL from the Patent Office. Reversed.

GARRETT, *J.*, dissenting.

Mr. John D. Rippey and *Mr. John H. Cassidy* for Marion Lambert, Inc.

No appearance for O'Connor.

BLAND, *J.*:

The appellee, hereinafter referred to as applicant, filed his application in the United States Patent Office for the registration, under the act of February 20, 1905, of the mark "VOO" for depilatories, and alleged use of said mark thereon since April 19, 1933.

The appellant, hereinafter referred to as opposer, filed opposition to the registration of said mark on the ground that it was the prior owner and user of the trade-mark "DEW", which it had used in connection with its business in selling "deodorants and nonperspirants", and that by reason of the similarity of the marks and the character of the goods of the respective parties, damage would result to opposer if the mark of applicant was registered.

The Examiner of Interferences found that opposer's prior use of the mark had been admitted and that there was some degree of similarity in sound between the marks, but concluded that by reason of the fact that not one of the letters found in opposer's mark was present in the applicant's mark, and since the marks were used on goods not identical, there was no likelihood of confusion, and held that the applicant was entitled to the registration.

Upon appeal to the Commissioner of Patents, the decision of the Examiner of Interferences was affirmed for substantially the same reasons as those assigned by the Examiner of Interferences. The Commissioner held that the goods were of the same descriptive properties, but that since the marks were different, and there was a difference between the goods, there would be no likelihood of confusion. He found, however, that there were certain points of similarity in the sound of the marks. He pointed out that there was some difference in the pronunciation and no similarity in the meaning.

[1] Depilatories unquestionably are of the same description properties as deodorants—one removes hair, the other removes odors. Both are for personal application, and are sold in the same places and to the same class of casual purchasers.

It seems there could be no question that confusion would likely result if the marks were identical. The marks are very similar in sound. "DEW" is pronounced "DŪ" which is practically the equivalent of "DŌŌ". The parts of the words which are given greatest stress in pronunciation are almost identical in sound. The initial letter of each word is a consonant and has a similar sound. Both words contain three letters.

Obviously, sound may be of controlling importance where there are other similarities in the marks which are contributive to the likelihood of confusion. *Cluett, Peabody & Co., Inc.*, v. *Denver M. Wright*, 18 C. C. P. A. (Patents) 937, 46 F.(2d) 711, 406 O. G. 186; *The American Products Co.* v. *F. A. Leonard*, 19 C. C. P. A. (Patents) 742, 53 F.(2d) 894, 415 O. G. 3. We are of the opinion that the similarity of the marks and the close relationship of the goods would suggest that confusion would be likely to result, or at least that there is such doubt on the question (and doubts must be resolved against the newcomer) as to bar registration of the applicant's mark.

Similarity in the sound of the names under which goods are sold is becoming a more important consideration in the decision of cases of this kind as the effective advertisement of goods becomes increasingly dependent upon radio facilities.

Moreover, other facts of record confirm us in this view. Applicant alleges use of its mark since April 19, 1933. On June 9, 1933, applicant filed the application for registration here involved. On June 14, 1933, applicant interviewed Mr. Peat, an official of the opposer, evidently with the view of opening negotiations with the opposer for the purpose of selling applicant's business to opposer or for the purpose of consolidation, and on the same day applicant wrote to Mr. Peat a long letter with reference to the merits of the so-called "VOO" depilatory, and stated that "VOO might be marketed as a companion product of DEW, in a way that would be mutually advantageous. A deodorant and a depilatory are logically companion products."

The record further shows that the applicant at one time maintained an office on the same premises as those occupied by Mr. George C. V. Fesler, who originated and was the first owner of the trade-mark "DEW", the business of both parties hereto now being located in St. Louis, and that the applicant was at that time and at other times connected with various businesses in manufacturing and selling pharmaceutical preparations and obviously was familiar with opposer's mark and goods, and was well informed as to the business of handling the class of goods to which the goods of applicant and of opposer belonged.

It is difficult to escape the conclusion that in adopting the mark "VOO", without any explanation or reason being assigned for so doing, applicant himself believed that the concurrent use of the marks might lead to such confusion as to lend value to the mark "VOO". See *The Procter & Gamble Co.* v. *J. L. Prescott Co.*, 18 C. C. P. A. (Patents) 1433, 49 F.(2d) 959, 413 O. G. 1105; *Harris Drug Co.* v. *Plough Chemical Co.*, 19 C. C. P. A. (Patents) 876, 54 F.(2d) 967, 418 O. G. 3; *Lever Bros.* v. *Riodela Chemical Co.*, 17 C. C. P. A. (Patents) 1272, 41 F.(2d) 408, 398 O. G. 356.

[2] Believing as we do that the marks bear sufficient resemblance to each other when used on the goods of the respective parties as to admit of the likelihood of confusion resulting from their concurrent use, we conclude that the Commissioner was in error in affirming the decision of the Examiner of Interferences in holding that the applicant was entitled to registration, and his decision is reversed.

Reversed.

GARRETT, *J.*, dissents.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,724,680, P. C. Ripley, Rosin core solder, C. C. A., 2d Cir. Doc. —, *Kester Solder Co.* v. *Berry Solder Co., Inc., et al.* Decree affirmed (notice Mar. 1, 1937).

1,771,386, L. L. Williams, Molding for automobile bodies, D. C., E. D. Mich., S. Div., Doc. 4552, *L. L. Williams et al.* v. *Allied Metal Products Corp.* Patent held not infringed, dismissed Jan. 23, 1937.

1,776,455, W. V. Thompson, Sprinkler head, D. C., S. D. Calif. (Los Angeles), Doc. E 799–Y, *Thompson Mfg. Co.* v. *G. E. Moody.* Decree for plaintiff, injunction Mar. 3, 1937.

1,778,363, W. G. Kirchhoff, Dough mixer, filed Feb. 3, 1937, D. C., S. D. Ohio, W. Div., Doc. E 1009, *Peerless Bread Machinery Corp.* v. *The J. H. Day Co.*

1,789,379, S. V. Dillon, Pipe coupling, D. C., N. D. Okla. (Tulsa), Doc. E 1030, *The Dillon Co.* v. *The Continental Supply Co.* Dismissed because of non-infringement Mar. 5, 1937.

1,796,407, H. L. Shuldener, Liquid treating method and apparatus, D. C., S. D. N. Y., Doc. E 80/264, *H. L. Shuldener et al.* v. *M. Walsh (Primex Engineering Co.).* Dismissed for lack of prosecution Feb. 1, 1937.

1,813,433, G. Sundback, Separable fastener, D. C., S. D. N. Y., Doc. E 81/305, *Hookless Fastener Co.* v. *Crown Fastener Corp.* Dismissed without prejudice (notice Feb. 5, 1937).

1,825,598, H. Vogt et al., Process for producing combined sound picture films, D. C., S. D. N. Y., Doc. E 79/80, *American Tri-Ergon Corp.* v. *Talking Picture Epics, Inc.* Dismissed for lack of prosecution (notice Feb. 1, 1937).

1,825,758, C. Seaman, Shirring attachment, filed Jan. 14, 1937, D. C., S. D. N. Y., Doc. E 84/248, *C. Seaman* v. *M. Siegel (Dependable Sewing Machine Co.).* Consent decree for plaintiff (notice Feb. 19, 1937). Same, D. C., E. D. N. Y., Doc. E 8239, *C. Seaman* v. *G. Braf et al.* Decree as above Mar. 16, 1937.

1,826,532, E. F. Small, Reversing seat base, C. C. A., 1st Cir., Doc. 3177, *Heywood-Wakefield Co.* v. *E. F. Small.* Decree affirmed (notice Mar. 2, 1937).

1,830,768, I. M. Rod, Art of making garments, D. C., S. D. N. Y., Doc. E 78/354, *Rokap Corp.* v. *N. Kanowitz (Cavalier Clothes).* Dismissed for lack of prosecution (notice Feb. 1, 1937).

1,844,359, J. Haas, Identification tag, filed Jan. 5, 1937, D. C., E. D. Pa., Doc. 9633, *J. Haas* v. *T. A. Gey.*

1,848,468, A. H. Emery, Jr., Machine for testing the strength of material, C. C. A., 3d Cir., Doc. 6074, *Baldwin-Southwark Corp.* v. *Tinius Olsen Testing Machine Co. et al.* Decree reversed, and patent held valid and infringed Feb. 13, 1937.

1,856,692, G. Comerford, Wrapper for use in hair waving process, D. C., S. D. N. Y., Doc. E 79/348, *The Nestle Le Mur Co.* v. *S. Heller (Permanent Wave Pad Co.).* Dismissed for lack of prosecution (notice Feb. 1, 1937).

1,859,850, R. L. Stewart, Return bend fitting, D. C., S. D. N. Y., Doc. E 74/240, *Stockham Pipe & Fittings Co. et al.* v. *Alco Products, Inc., et al.* Consent order of discontinued (notice Feb. 2, 1937).

1,860,405, E. J. Cheesewright, Flower holder, D. C., S. D. Calif. (Los Angeles), Doc. E 384, *E. J. Cheesewright* v. *Dazey Mfg. Co.* Dismissed without prejudice Sept. 21, 1936.

1,865,995, A. L. Wurster, Cravat holder, D. C., S. D. N. Y., Doc. E 79/372, *Wreal Cravat Holder Co., Inc.*, v. *S. Stone.* Dismissed without prejudice (notice Feb. 10, 1937).

1,866,467, Hirsch & Harriss, Can closure, D. C., S. D. N. Y., Doc. E 76/391, *R. B. Davis Co.* v. *Continental Can Co., Inc.* Consent decree sustaining patent (notice Mar. 3, 1937).

1,866,779, H. F. Snyder, Washing machine, filed Feb. 5, 1937, D. C., W. D. Mo. (Kansas City), Doc. 2892, *The Maytag Co.* v. *General Electric Co. et al.*

1,874,111, R. D. Mershon, Electrolytic condenser, D. C., S. D. N. Y., Doc. E 77/22, *R. D. Mershon* v. *Condenser Corp. of America.* Dismissed without prejudice (notice Feb. 26, 1936).

1,876,155, A. Stern et al., Delivery car, filed Jan. 30, 1937, D. C., S. D. N. Y., Doc. E 84/285, *Indian Motorcycle Co.* v. *Harry Ison & Co., Inc.*

1,878,569, J. G. Zolleis, Handle for valves, D. C., E. D. N. Y., Doc. E 7553, *J. G. Zolleis* v. *J. A. Brudermann* Consent decree for plaintiff Jan. 22, 1937.

1,879,604, E. E. Dillman, Means and method for welding tanks, suit reinstated Jan. 20, 1937, D. C., N. D. Tex. (Fort Worth), Doc. E 820, *Wyatt Metal & Boiler Works* v. *J. B. Klein Iron & Foundry Co. et al.*

1,879,863, H. A. Wheeler, Volume control, D. C., S. D. N. Y., Doc. E 78/309, *Hazeltine Corp.* v. *R. C. A. et al.* Dismissed for lack of prosecution (notice Feb. 1, 1937).

1,880,074, J. L. Coyle, Egg carton, filed Jan. 27, 1937, D. C. Conn. (New Haven), Doc. E 2594, *L. Benoit* v. *Junc Dairy Products Co., Inc.*

1,889,397, W. M. Baumheckel, Water pump packing, D. C., S. D. Ohio (Columbus), Doc. 1189, *B. B. B. Corp.* v. *Atlas Brass Foundry Co.* Decree for plaintiff Feb. 26, 1937.

1,890,759, A. H. Vogt, Aerial toy, D. C., S. D. Ohio, W. Div., Doc. E 419, *A. H. Vogt* v. *Johnson Tool & Engineering Co., Inc.* Dismissed without prejudice Oct. 5, 1936.

1,890,860, A. L. Omohundro, Therapeutic agent, C. C. A., 8th Cir., Doc. 10743, *Fred. Stearns & Co.* v. *Groves Laboratories, Inc., et al.* Decree affirmed Feb. 4, 1937.

1,896,403, C. R. Haden, Process of making lime from oyster shells, filed Mar. 1, 1937, D. C., W. D. La. (Shreveport), Doc. E 744, *W. D. Haden Co.* v. *The Mathieson Alkali Works, Inc.*

Des. 87,097, J. J. Klecka, Finger ring, filed Feb. 4, 1937, D. C., S. D. Calif. (Los Angeles), Doc. 1103–Y, *J. R. Woods & Sons, Inc.*, v. *A. Delovage et al.* Consent decree holding patent valid and infringed, injunction Mar. 3, 1937. Same, filed Feb. 5, 1937, D. C., S. D. Calif., C. Div., Doc. E 1105–S, *J. R. Woods & Sons, Inc.*, v. *H. Hartman & Co.* Same, filed Feb. 10, 1937, D. C., S. D. Calif. (Los Angeles), Doc. E 1110–C, *J. R. Wood & Sons, Inc.*, v. *E. Krantz et al.* Same, filed Feb. 17, 1937, D. C., S. D. Calif. (Los Angeles), Doc. E 1116–M,

J. R. Wood & Sons, Inc., v. *N. Light.* Same, filed Feb. 18, 1937, D. C., N. D. Calif. (San Francisco), Doc. E 4144–R, *J. R. Wood & Sons, Inc.*, v. *J. Goldstein (Diamond Palace Jewelers).*

Des. 92,968, L. B. London, Reflector, D. C., S. D. N. Y., Doc. E 79/133, *H. Fox (Electric Light Saver Co.)* v. *J. Straussberg (Niagara Electric Novelty & Supply Co.).* Dismissed for lack of prosecution (notice Feb. 1, 1937).

Des. 93,213, A. Goodman, Dress, D. C., S. D. N. Y., Doc. E 79/48, *A. Goodman & Co., Inc.*, v. *Century Frocks, Inc.* Consent order of discontinuance (notice Feb. 14, 1937).

Des. 93,830, F. P. Kinsley, Finger ring, D. C. N. J., Doc. E–5278, *Kinsley-Kovsky Jewelry Mfg. Co.* v. *Streicher Mfg. Co., Inc.* Decree for complainant for injunction Feb. 3, 1937.

Des. 94,647. M. Bernstein, Ensemble dress, D. C., S. D. N. Y., Doc. E 80/61, *Ace High Dresses, Inc.*, v. *Lombardy Frocks, Inc.* Dismissed for lack of prosecution (notice Feb. 1, 1937).

Des. 94,982, Mescon & Doctor, Ash stand, D. C., S. D. N. Y., Doc. E 80/257, *M. Mescon et al.* v. *Metropolitan Lamp Co., Inc., et al.* Dismissed for lack of prosecution (notice Feb. 1, 1937).

Des. 97,412, S. Putman, Buckle, filed Feb. 10, 1937, D. C., S. D. N. Y., Doc. E 84/307, *S. Putnam* v. *J. Carmel.*

Des. 97,705, C. Emmery, Applique emblem, D. C., S. D. N. Y., Doc. E 82/224, *Frances Emblems, Inc.*, v. *Lemont Mfg. Co., Inc.* Answer struck out, bill dismissed (notice Jan. 26, 1937).

Des. 98,518, W. Hoffmann, Lounge chair, filed Feb. 25, 1937, D. C., E. D. N. Y., Doc. E 8252, *The Howell Co.* v. *Loyal Metal Products Corp.*

Des. 98,542, J. Minoff, Knitted fabric, D. C. N. J., Doc. E 5592, *J. Minoff et al.* v. *Eday Fabrics, Inc., et al.* Consent decree for injunction Dec. 7, 1936.

Des. 98,997, H. Bosehaus, Silk crepe dress goods, filed Jan. 22, 1937, D. C., S. D. N. Y., Doc. E 84/262, *Print Textile Corp.* v. *Nova Silk Corp.* Consent decree for plaintiff (notice Feb. 16, 1937).

Des. 101,229, I. Kranz, Dress, filed Nov. 30, 1936, D. C., E. D. Pa., Doc. 9603, *Wellesley Modes, Inc.*, v. *Ed. Abel & Co., Inc.*

Des. 101,310, A. Lehmann, Embroidered fabric, filed Jan. 25, 1937, D. C., S. D. N. Y., Doc. E 84/263, *Lehmann & Naegeli, Inc.*, v. *Olympic Embroidery Co., Inc.*

Des. 101,795, P. Schmittman, Robe, filed Feb. 9, 1937, D. C., S. D. N. Y., Doc. E 84/304, *A. H. Malouf et al. (Perfect Negligee Co.)* v. *Goldstein & Milberg, Inc.*

Des. 101,851, S. I. Brandt, Ensemble dress, D. C., S. D. N. Y., Doc. E 84/138, *L. C. Rosenblatt Corp.* v. *Strand Dress Co., Inc.* Consent decree for plaintiff (notice Jan. 18, 1937).

Des. 102,093, I. Reiner, Printing type font, filed Feb. 16, 1937, D. C., S. D. N. Y., Doc. E 84/316, *The Bauer Type Foundry, Inc.*, v. *Judson Type, Inc.*

Des. 102,824, A. Guzy, Dress, filed Feb. 2, 1937, D. C., S. D. N. Y., Doc. E 84/288, *Burgundy Frocks, Inc.*, v. *Goodwear Dress, Inc.*

Des. 102,843, A. Ruchman, Dress, filed Feb. 5, 1937, D. C., S. D. N. Y., Doc. E 84/296, *Apex Dress Co., Inc.*, v. *General Dress Corp.*

T. M. 107,328, J. B. Gruelle, Doll, appeal filed Oct. 13, 1936, C. C. A., 3d Cir., Doc. 6243, *J. Gruelle* v. *Molly-es Doll Outfitters, Inc., et al.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,973,547, Max Stöhr, Electric valve converting system, decided February 18, 1937, claim 11.

Pat. 1,956,854, R. P. Clark, Packing cushion, decided March 10, 1937, claim 1.

Pat. 1,993,489, Albert Stoll, Valve seat ring, decided February 23, 1937, claims 1, 4, 7, and 11.

Pat. 2,001,261, B. B. Manaster, Adjustable cravat holder, decided February 26, 1937, claims 2, 3, and 10.

Pat. 2,020,997, Herbert Dallmann, Demand indicator, decided February 16, 1937, claims 4 and 5.

Pat. 2,052,110, Arthur Ffister, Sound translating system, decided March 17, 1937, claims 1, 2, 3, 4, 5, 6, 24, and 27.

Disclaimers

2,020,628.—*Graham C. Woodruff*, Bronxville, N. Y. MEANS FOR HANDLING PULVERULENT OR GRANULAR MATERIAL AND THE LIKE. Patent dated November 12, 1935. Disclaimer filed March 16, 1937, by the patentee; the assignee, *The L. C. L. Corporation*, concurring.

Hereby enters this disclaimer to claims 2 and 5 of said patent.

2,025,857.—*Monroe Guett*, Hartford, Conn. CIRCUIT BREAKER. Patent dated December 31, 1935. Disclaimer filed March 17, 1937, by the assignee, *The Arrow-Hart & Hegeman Electric Company*; the patentee consenting.

Hereby enters this disclaimer to claims 3 and 7 of said Letters Patent.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 13, 1937

[VOL. 477. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 386,184. UNITED FUR BREEDERS, INC., Bethlehem, Pa. Filed Dec. 1, 1936.



The words "Kodiak Seal" and "Seal Dyed Coney" are disclaimed apart from the mark.

For Fur Skins and Pelts.

Claims use since Mar. 2, 1935.

Ser. No. 386,844. WALTER BLEDSOE & COMPANY, Terre Haute, Ind. Filed Dec. 17, 1936.



The word "Coal" is disclaimed apart from the mark as shown.

For Coal.

Claims use since Aug. 1, 1936.

Ser. No. 387,589. NATIONAL PRODUCTS CORPORATION, Washington, D. C. Filed Jan. 8, 1937.

NUFANE

For Flexible Sheets and Materials in the Nature of Cellulose Materials, Obtained by Certain Process, Whether Transparent, Colored, Opaque, Embossed, or Plain.

Claims use since Dec. 5, 1936.

Ser. No. 388,551. SURPASS LEATHER COMPANY, Philadelphia, Pa. Filed Feb. 4, 1937.

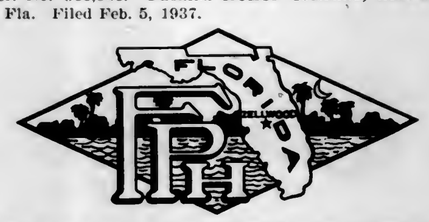
Phantom Kid.

The word "Kid" is disclaimed apart from the mark as shown.

For Dull Sheen Kid Leather.

Claims use since Aug. 29, 1936.

Ser. No. 388,568. FLORIDA HUMUS COMPANY, Zellwood, Fla. Filed Feb. 5, 1937.



No claim is made to the words "Zellwood" and "Florida" or to the representation of the State of Florida apart from the mark shown.

For Humus.

Claims use since Sept. 15, 1932.

Ser. No. 389,052. BROWN COMPANY, Portland, Maine, and Berlin, N. H. Filed Feb. 18, 1937.

DURAPULP

For Cellulose Fibers or Pulps.

Claims use since Jan. 29, 1937.

CLASS 2

Receptacles

Ser. No. 386,700. SPIRA & GORDON, New York, N. Y. Filed Dec. 12, 1936.

HUMIKAN

For Metal Containers Used in the Air-Conditioned Packing of Cigars, Cigarettes, Loose Tobacco, Etc., and Also for Candy, Dairy Products, Bread, and Biscuits, Etc.

Claims use since Dec. 4, 1936.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 388,291. E. J. WILKINS Co., Gloversville, N. Y. Filed Jan. 28, 1937.



The words "Top Grain" are disclaimed apart from the mark.

For Leather Goods—Namely, Bill Folds for Men, Purses, Pocketbooks, Brief Cases, and Ladies' Hand Bags.

Claims use since Jan. 15, 1937.

Ser. No. 389,010. WENDELL J. CALEY, Philadelphia, Pa. Filed Feb. 17, 1937.



The word "Wallets" is disclaimed except as shown.

For Pocketbooks and Wallets.

Claims use since Feb. 11, 1937.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 381,161. JEN, INC., New York, N. Y. Filed July 18, 1936.

JEN

For Dry Cleaning Powder.

Claims use since Apr. 6, 1936.

Ser. No. 387,468. KALI MANUFACTURING CO., Philadelphia, Pa. Filed Jan. 5, 1937.

KAPLEX

For Soap Product Powder Used for Degumming Silk, and Scouring Materials for Textile Products Made from Wool, Cotton, and Rayon.

Claims use since Jan. 6, 1931.

Ser. No. 388,374. SINCLAIR G. STANLEY, doing business as Stanis, Chicago, Ill. Filed Jan. 30, 1937.

STANIS

For Foot Soap.

Claims use since June 1, 1936.

Ser. No. 389,044. SAMUEL STEINBERG, doing business as Mirpo Products Mfg. Co., La Porte, Ind. Filed Feb. 17, 1937.

Mirpo

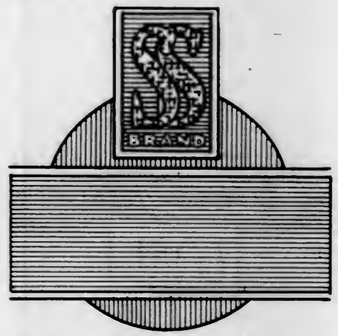
For Polish Having Incidental Cleaning Properties Recommended for Polishing and Finishing Silver, Gold, Platinum, and Other Metals, and Glass, China, Marble, Hard Enamels, and Similar Materials.

Claims use since June 27, 1933.

CLASS 5

Adhesives

Ser. No. 385,905. S S RUBBER CEMENT CO., Chicago, Ill. Filed Nov. 23, 1936.



The word "Brand" is disclaimed. The drawing is lined for red, blue, and yellow.

For Adhesives and Pastes of a Flexible Nature with Rubber or Latex as Their Base.

Claims use since Oct. 1, 1929.

Ser. No. 389,085. THE GLENN L. MARTIN COMPANY, Baltimore and Middle River, Md. Filed Feb. 18, 1937.

MARENG

For Compound for Cementing Rubberlike Material.

Claims use since Jan. 4, 1937.

Ser. No. 389,135. I. F. LAUCKS, INC., Seattle, Wash. Filed Feb. 19, 1937.

ZINOX

For Glues and Adhesives.

Claims use since Feb. 8, 1937.

Ser. No. 389,270. MAX SONDHEIMER, Stuttgart, Germany. Filed Feb. 23, 1937.

SONDAL

For Glue and Glue Powder.

Claims use since Feb. 20, 1934.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 376,619. HOWARD E. BAGNALL, doing business as Bagnall Company, Kansas City, Mo. Filed Mar. 31, 1936.

CALICO SEED

For Poisons, Particularly Poisoned Seeds for Exterminating Mice, Rats, and Other Rodents, and Pests.

Claims use since Feb. 11, 1936.

Ser. No. 379,075. GEORGE A. BREON & COMPANY, INCORPORATED, Kansas City, Mo. Filed June 1, 1936.

CAPLETS

For Medicinal Products—Namely, Tablets Composed of Drugs, Chemicals, and Glandular Material for Antipyretic, Analgesic, Stimulant, Sedative, or Other Therapeutic Purposes.

Claims use since Feb. 18, 1936.

Ser. No. 382,883. NORZEL'S BEAUTY PRODUCTS MFG. CO., INC., Syracuse, N. Y. Filed Sept. 3, 1936.



The words "Trade-Mark", "First Aid", and "Antiseptic" are disclaimed apart from the mark.

For External Antiseptic Wash.

Claims use since Aug. 7, 1936.

Ser. No. 383,936. NATONE INC., Los Angeles, Calif. Filed Oct. 3, 1936.

natone

For Hair Shampoos, Oils, Creams, Lotions, and Tonics.

Claims use since Mar. 1, 1930.

Ser. No. 384,788. DONALDS LIMITED, INC., Jersey City, N. J. Filed Oct. 26, 1936.



For Tablets for the Treatment of Colds.

Claims use since Feb. 24, 1936.

Ser. No. 385,029. S. O. BARNES & SON, Gardena, Calif., assignor to Mildred M. Lager, doing business as Vegeminerals Company, Los Angeles, Calif. Filed Nov. 2, 1936.

VEGEMINERALS

For Dehydrated, Powdered Vegetables in Tablet Form Used as Dietary Adjuvants.

Claims use since Sept. 3, 1934.

Ser. No. 385,367. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Nov. 10, 1936.

MASSO

For Tooth Paste and Tooth Powder.

Claims use since Mar. 8, 1928.

Ser. No. 385,999. VEREINIGTE CHEMISCHE FABRIKEN KREIDL, HELLER & CO., Vienna, Austria. Filed Nov. 25, 1936.

GE-TE-EM

For Opaque Colours, Opaquing Agents, and Fusible and Vitrifiable Colours and Gas Clouding Agents, All Used in the Manufacture of Glass and Enamelware.

Claims use since June 13, 1931.

Ser. No. 386,000. VEREINIGTE CHEMISCHE FABRIKEN KREIDL, HELLER & CO., Vienna, Austria. Filed Nov. 25, 1936.

GETEM

For Opaque Colours, Opaquing Agents, and Fusible and Vitrifiable Colours and Gas Clouding Agents, All Used in the Manufacture of Glass and Enamelware.

Claims use since May 16, 1936.

Ser. No. 387,213. SAVILLE PERFUMERY LIMITED, Watford, England. Filed Dec. 28, 1936.

MISCHIEF

For Perfumes, Toilet Powders, Face Creams, Bath Crystals, and Lipstick.
Claims use since Dec. 3, 1935.

Ser. No. 387,328. KOLSTEROL, INCORPORATED, Detroit, Mich. Filed Dec. 31, 1936.

Kolsterol SALVE

The word "Salve" is disclaimed apart from the mark.
For Salve.
Claims use since August, 1936.

Ser. No. 387,330. LUCIEN LELONG INC., Chicago, Ill. Filed Dec. 31, 1936.

FLACON DE SAC

The word "Flacon" is disclaimed apart from the mark.
For Perfume.
Claims use since Sept. 28, 1936.

Ser. No. 387,396. JEAN RAVAUD, New York, N. Y., and Neuilly-sur-Seine, France. Filed Jan. 2, 1937.

Abdication

For Perfumes.
Claims use since Dec. 29, 1936.

Ser. No. 387,397. JEAN RAVAUD, New York, N. Y., and Neuilly-sur-Seine, France. Filed Jan. 2, 1937.

ROYAL ROMANCE

For Perfumes.
Claims use since Dec. 29, 1936.

Ser. No. 387,867. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Jan. 16, 1937.

BENERVA

For Vitamin B Preparation for Medicinal Use.
Claims use since Dec. 21, 1936.

Ser. No. 387,885. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Jan. 18, 1937.

MULATTO

For Lipstick, Rouge, Face Powder, Eyelash and Eyebrow Mascara, Creams for the Hands and Face, Preparations for Skin, Hair, and Finger Nails, and Perfumes.
Claims use since Jan. 6, 1936.

Ser. No. 387,935. AMERICAN TYPE FOUNDERS SALES CORPORATION, Elizabeth, N. J. Filed Jan. 19, 1937.

ATF NON-OFFSET MIX

The words "Non-Offset Mix" are disclaimed apart from the mark.
For Compound to be Sprayed on Sheets After They Have Been Printed to Prevent Offsetting.
Claims use since April, 1936.

Ser. No. 387,967. THE DOAK COMPANY, Cleveland, Ohio. Filed Jan. 22, 1937.

HELIOBROM

For Chemical Compound for Dermato-Therapeutic Medication.
Claims use since Feb. 1, 1929.

Ser. No. 388,068. MARY PARDO, doing business as Sublime Laboratories, Chicago, Ill. Filed Jan. 22, 1937.

"My Love"

For Cleansing Cream, Vanishing Cream, Tissue Cream, Talcum Powder, Dusting Powder, Face Powder, Cuticle Oil, Nail Enamel Remover, Nail White, Lipsticks, Rouge, Skin Cream, Almond Hand Lotion, Nail Enamel, and Perfume.
Claims use since Oct. 15, 1936.

Ser. No. 388,181. BOND PHARMACALS, Dallas, Tex. Filed Jan. 26, 1937.

TYGO

For Ointment and Lotion for Treatment of Impetigo, Sometimes Known as Infantigo, and Similar Skin Disorders.
Claims use since Dec. 21, 1936.

Ser. No. 388,189. FAITOUTE, INC., East Orange, N. J. Filed Jan. 26, 1937.



For Perfume.
Claims use since Dec. 17, 1936.

Ser. No. 388,204. JOHN BENÉ & SONS INC., Brooklyn, N. Y. Filed Jan. 26, 1937.



For Peroxide of Hydrogen.
Claims use since May 1, 1909.

Ser. No. 388,314. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Jan. 29, 1937.

AVITEX

For Chemical Compound, Being in the Nature of a Fibre Softening or Finishing Agent for Textiles, Paper, Leather, and the Like, and Being Intended for Washing, Dyeing, Printing, and Finishing of Such Materials.
Claims use since Aug. 3, 1936.

Ser. No. 388,327. THE MARTIN DENNIS COMPANY, Newark, N. J. Filed Jan. 29, 1937.

SPO

For Silk Preserving Oil.
Claims use since Feb. 17, 1936.

Ser. No. 388,355. LENTHERIC, INCORPORATED, New York, N. Y. Filed Jan. 30, 1937.

ESPIONNAGE

For Perfumes and Cosmetic Creams.
Claims use since Jan. 22, 1937.

Ser. No. 388,570. D. FUNSTON COMPANY, Chicago, Ill. Filed Feb. 5, 1937.

PLANTAMUCIN

For Pharmacal Preparation for Use in the Treatment of Intestinal Irritations and Inflammation and Disturbances in the Digestive Tract.
Claims use since Nov. 16, 1936.

Ser. No. 388,583. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Feb. 5, 1937.

SILCARA

For Cascara Emulsion Preparation for Medicinal Purposes.
Claims use since Jan. 19, 1937.

Ser. No. 388,584. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Feb. 5, 1937.

NASOVAX

For Preparation for Nasal Application in the Treatment of Colds.
Claims use since Jan. 19, 1937.

Ser. No. 388,585. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Feb. 5, 1937.

DIOGUENT

For Healing Ointment Preparation for Medicinal Purposes.
Claims use since Jan. 19, 1937.

Ser. No. 388,630. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Feb. 8, 1937.

FRANOL

For Anti-Asthmatic.
Claims use since Jan. 7, 1937.

Ser. No. 389,209. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 17, 1937.

MONASTRAL

For Dyestuffs.
Claims use since Aug. 25, 1936.

Ser. No. 389,210. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 17, 1937.

ZIN-O-LYTE

For Chemical Compounds and Brightening Agents for Zinc Plating.
Claims use since Sept. 24, 1936.

Ser. No. 389,237. MARIE EARLE, INC., New York, N. Y. Filed Feb. 23, 1937.

DOUBLE-TONE

For Foundation Cream, Mascara, Eye Shadow Cream, Face Powder, Paste Rouge, Dry Rouge, and Lipstick.
Claims use since Jan. 15, 1937.

CLASS 12

Construction Materials

Ser. No. 359,820. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Dec. 31, 1934.

USG

For Sound and Vibration Insulating Mountings, Connections, and Floors, Metallic Roof Decks, Metallic Artificial Tiles, Metallic Clips Used in Wall Construction,

Wall Ties, Expanded Metal Lath, Metallic Arches, Metal Brackets Used in Wall Construction, Metallic Channels, Basement Sash, Corner Bead, Sheet Lath, Base Screed, Picture Mold, Tie Wires for Metal Lath, Fibrous Insulating Board, Panel Strips, Insulating and Building Paper, Acoustical Tiles, Sheathing Paper, Dry Heat Insulation for Buildings, Building Board Composed of Pressed Vegetable Fibers, Insulating Wool, Grained Wall Board, Tile Boards, Insulating Wall Board Covered on One or Both Surfaces with Metallic Foil, Wood Veneered Wall Boards, Keene's Cement, Exterior Stucco, Acoustical Plaster, Patching Plaster, Gas Generating Wet Mix Plaster, Calcined Gypsum, Hydrated and Quick Lime, Mortar, Casting Plaster and Compositions, Calcined Gypsum Compositions, Plaster, Bituminous Roofing, Shingles, Waterproof Paper for Building Purposes, Bituminous Emulsion, Bituminous Cement, Plaster Retarder, Plaster Accelerator, Wall Board Joint Tape, and Wall Tile Adhesive in the Nature of a Plastic Cement.

Claims use since about 1920 as to calcined gypsum, casting plaster, Keene's cement, calcined gypsum compositions, plaster, lime, retarder and accelerator; since about 1924 as to exterior stucco and patching plaster; since about 1925 as to dry heat insulation for buildings and gas generating wet mix plaster; since about 1926 as to acoustical plaster; since about 1929 as to fibrous insulating board, acoustical tiles, expanded metal lath, tie wires, and building board composed of pressed vegetable fibers; since about 1930 as to mortar, sound, and vibration insulating mountings, connections, and floors; since about 1931 as to metallic roof decks, metallic artificial tiles, wall ties, metallic arches, metal brackets used in wall construction, panel strips, tile boards, wall board joint tape, and adhesive; since about 1932 as to metallic clips, bituminous roofing and shingles, waterproof paper for building purposes, bituminous emulsion, bituminous cements, insulating and building paper, sheathing paper, grained wall board, insulating wall board covered on one or both surfaces with metallic foil, wood veneered wall boards; since about 1933 as to insulating wool; and since 1934 as to basement sash, metallic channels, corner bead, sheet lath, base screed, and picture mold.

Ser. No. 387,355. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Dec. 31, 1936.

Esso

For Asphalt.
Claims use since Aug. 31, 1935.

Ser. No. 387,804. UNITED STATES QUARRY TILE COMPANY, Parkersburg, W. Va. Filed Jan. 14, 1937.

ROMANY VEINED TILE

The words "Veined Tile" are disclaimed apart from the mark.
For Building Tiles.
Claims use since June, 1935.

Ser. No. 387,805. UNITED STATES QUARRY TILE COMPANY, Parkersburg, W. Va. Filed Jan. 14, 1937.

ROMANY VEINED QUARRY TILE

The words "Veined Quarry Tile" are disclaimed apart from the mark.
For Building Tiles.
Claims use since June, 1935.

Ser. No. 388,690. STANDARD WALL COVERING COMPANY, INC., Philadelphia, Pa. Filed Feb. 9, 1937.

MONO-WALL

The word "Wall" is disclaimed apart from the mark.
For Architectural Wall Panels.
Claims use since Mar. 31, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 375,503. FLOWER CITY SPECIALTY COMPANY, Rochester, N. Y. Filed Mar. 3, 1936.

ZIP-O-LINKS

The word "Links" is disclaimed apart from the mark.
For Repair Links for Automobile Tire Chains.
Claims use since Feb. 25, 1936.

Ser. No. 382,460. ANDERSON PRODUCTS, INCORPORATED, Cambridge, Mass. Filed Aug. 22, 1936.

Air-Flo

For Air Valves and Valve Fittings.
Claims use since July 24, 1936.

Ser. No. 384,139. SIGNODE STEEL STRAPPING COMPANY, Chicago, Ill. Filed Oct. 8, 1936.

BRAKEMAN

For Composition Pads and Metallic Binder-Snubbing Plates for Controlling, During Transit, the Movement of Load Units Relative to the Vehicle, Such as a Railway Car.
Claims use since February, 1933.

Ser. No. 388,598. UTILITIES SERVICE COMPANY, Allentown, Pa. Filed Feb. 5, 1937.

FLEXTEEL

For Pole Line Hardware, Viz., Strain Insulator Clevises.
Claims use since April, 1932.

Ser. No. 388,869. MCKEE BROS., Bakersfield, Calif., assignor to McKee Brothers Corporation, Bakersfield, Calif. Filed Feb. 13, 1937.

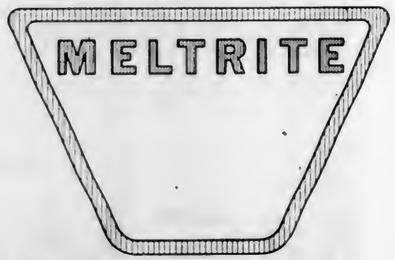
LOK-CYNCH

For Band Clamps.
Claims use since Mar. 15, 1936.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 369,738. INTERLAKE IRON CORPORATION, Chicago, Ill. Filed Sept. 26, 1935.



For Pig Iron in the Form of Pigs.
Claims use since Sept. 13, 1935.

Ser. No. 387,347. THE RAIL JOINT COMPANY, New York, N. Y., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware. Filed Dec. 31, 1936.

RAJO

For Railway Track Joints.
Claims use since July 1, 1926.

CLASS 15

Oils and Greases

Ser. No. 388,393. GRAFO LUBRICANTS CORPORATION, Sharon, Pa. Filed Feb. 1, 1937.

AQUAGRAF

For Lubricating Oil and Grease Compound.
Claims use since July, 1936.

Ser. No. 388,433. CONSUMERS OIL COMPANY, Baltimore, Md. Filed Feb. 2, 1937.



For Petroleum Products—Namely, Lubricating Oils, Lubricating Greases, Transmission Greases, Fuel Oils, and Gasoline.
Claims use since Mar. 17, 1928.

CLASS 16

Paints and Painters' Materials

Ser. No. 388,004. A. C. HORN COMPANY, Long Island City, N. Y. Filed Jan. 21, 1937.

DY-GERM

For Ready-Mixed Paint Product for the Decoration of Walls and Woodwork.
Claims use since Nov. 1, 1936.

Ser. No. 389,121. THE DAVIES-YOUNG SOAP COMPANY, Dayton, Ohio. Filed Feb. 19, 1937.

CIRENE

For Quick-Drying Liquid Wax.
Claims use since Feb. 5, 1937.

Ser. No. 389,656. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Mar. 4, 1937.

3-M

For Polishing Wax for Furniture, Woodwork, Linoleum, Rubber or Asphalt Tiles, and Lacquer Polishes for Automobile Finishes.
Claims use since January, 1937.

CLASS 17

Tobacco Products

Ser. No. 389,051. THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed Feb. 18, 1937.

PICCADILLY

For Cigars.
Claims use since Oct. 2, 1936.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 382,004. MICHAEL B. ROY, Bridgeport, Conn. Filed Aug. 10, 1936.



For Defrosters for Automobile Windshields and the Like.
Claims use since April, 1935.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 388,885. P AND E CORPORATION, New York, N. Y. Filed Feb. 12, 1937.

PECO

For Spark Plugs.
Claims use since Jan. 15, 1937.

Ser. No. 388,978. THE GAMEWELL COMPANY, Newton and Newton Upper Falls, Mass. Filed Feb. 16, 1937.

VITAGUARD

For Electrical Fire Alarm Signaling Systems and Parts Thereof.
Claims use since Nov. 14, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 386,957. MUNRO ATHLETIC PRODUCTS COMPANY, INC., Philadelphia, Pa. Filed Dec. 19, 1936.



Trade-mark consists of the letters P J arranged in a fanciful manner.
For Table Tennis Sets, Games Played with a Ball and Racquet or Bat, Balls, Game Bats.
Claims use since Sept. 24, 1936.

Ser. No. 388,501. INTERNATIONAL MUTOSCOPE REEL CO. INC., New York, N. Y. Filed Feb. 3, 1937.

ROTOMATIC

For Coin-Operated Vending and Amusement Machine, i. e., Crane and Bucket Amusement and Candy Prize Vending Machines.
Claims use since December, 1936.

Ser. No. 389,658. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Mar. 4, 1937.

CARNIVAL

For Board Game Played with Movable Pieces.
Claims use since Mar. 1, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 387,718. BERTHA WETZEL, New York, N. Y. Filed Jan. 12, 1937.

VAPO-COSM

For Pneumatic Dispenser for Toilet Preparations.
Claims use since November, 1932.

Ser. No. 388,833. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Feb. 12, 1937.

MEM

For Safety Razor Blades.
Claims use since Feb. 5, 1937.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 388,858. T. & P. OPTICAL MFG. CO., INC., New York, N. Y. Filed Feb. 12, 1937.

KLIK-LOK

For Eyeglass Frames of the Folding Oxford Type.
Claims use since Oct. 17, 1934.

Ser. No. 389,047. WESTON ELECTRICAL INSTRUMENT CORPORATION, Newark, N. J. Filed Feb. 17, 1937.

VISCOR

For Color Filters for Use with Photoelectric Cells.
Claims use since Jan. 11, 1937.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 376,535. L. & C. MAYERS CO., INCORPORATED, New York, N. Y. Filed Mar. 28, 1936.

QUEEN MARY

For Silver Plated and Sterling Silver Flat-ware, Comprising Tea Spoons, Dessert Spoons, Table Spoons, Soup Spoons, Cream-Soup Spoons, After-Dinner Coffee Spoons, Bouillon Spoons, Iced Tea Spoons, Sugar Spoons, Berry Spoons, Cream Ladles, Gravy Ladles, Dinner Forks, Dessert Forks, Salad Forks, Cocktail Forks, Pickle Forks, Cold Meat Forks, Dinner Knives, Dessert Knives, Butter Knives, Butter Spreaders, Carving Knives and Forks, Steak Carving Knives and Forks, Game Carving Knives and Forks, Knife Sharpeners, Pie Knives, Pie Servers, Pastry Servers, Tomato Servers.
Claims use since Oct. 3, 1935.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 389,432. OXYZN COMPANY, New York, N. Y. Filed Feb. 26, 1937.

Aseptipuf

For Powder Puffs.
Claims use since Feb. 15, 1937.

Ser. No. 389,452. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Feb. 27, 1937.

TABLEMASTER

For Brushes for Billiard Tables.
Claims use since Dec. 28, 1936.

CLASS 31

Filters and Refrigerators

Ser. No. 387,716. UNIFLOW MANUFACTURING CO., Erie, Pa. Filed Jan. 12, 1937.

UNIFLOW

For Air Filters, Water Filters, Liquid Freezers, Milk Coolers, Oil Filters, Refrigerating Apparatus Cooled by Brine or the Like Pumped from an External Source of Supply, Water Coolers, Beverage Coolers, Compressor-Condenser Units for Mechanical Refrigerating Systems, Electric Refrigerators, Portable Refrigerated Beverage Containers, Machines for Forming Ice Cubes or Ice Slabs by Mechanical Refrigeration, and Knock-Down Transportable Heat Insulated Sections Adapted to be Assembled and Provide a Room for Storing Articles to be Cooled.
Claims use since Nov. 10, 1921.

CLASS 32

Furniture and Upholstery

Ser. No. 388,924. EVR-KLEAN SEAT PAD CO., St. Louis, Mo. Filed Feb. 15, 1937.

Lion

For Seat Covers and Pads.
Claims use since Jan. 1, 1937.

Ser. No. 388,925. EVR-KLEAN SEAT PAD CO., St. Louis, Mo. Filed Feb. 15, 1937.

Antelope

For Seat Covers and Pads.
Claims use since Jan. 1, 1937.

Ser. No. 388,926. EVR-KLEAN SEAT PAD CO., St. Louis, Mo. Filed Feb. 15, 1937.

Tiger

For Seat Covers and Pads.
Claims use since Jan. 1, 1937.

Ser. No. 388,928. EVR-KLEAN SEAT PAD CO., St. Louis, Mo. Filed Feb. 15, 1937.

Zebra

For Seat Covers and Pads.
Claims use since Jan. 1, 1937.

Ser. No. 389,074. LI-ON BEDDING COMPANY, Milwaukee, Wis. Filed Feb. 18, 1937.

Blue Aero

For Mattresses.
Claims use since Jan. 4, 1937.

Ser. No. 389,075. LI-ON BEDDING COMPANY, Milwaukee, Wis. Filed Feb. 18, 1937.

Super Aero

For Mattresses.
Claims use since Jan. 4, 1937.

Ser. No. 389,077. LI-ON BEDDING COMPANY, Milwaukee, Wis. Filed Feb. 18, 1937.

White Aero

For Mattresses.
Claims use since Jan. 4, 1937.

Ser. No. 389,078. LI-ON BEDDING COMPANY, Milwaukee, Wis. Filed Feb. 18, 1937.

Red Aero

For Mattresses.
Claims use since Jan. 4, 1937.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 383,303. THE FLOYD-WELLS COMPANY, Royersford, Pa. Filed Sept. 16, 1936.



For Heating and Cooking Stoves, Ranges, and Heating Furnaces Using Coal, Wood, or Oil as a Fuel.
Claims use since Feb. 1, 1889.

Ser. No. 384,514. F. B. CONNELLY COMPANY, Seattle, Wash. Filed Oct. 19, 1936.

◆ OIL-MIZER ◆

For Oil Burner.
Claims use since July 20, 1936.

CLASS 36

Musical Instruments and Supplies

Ser. No. 366,883. SOCIÉTÉ ANONYME COUESNON, Paris, France. Filed July 1, 1935.

MONOPOLE CONSERVATOIRE

The word "Conservatoire" is disclaimed apart from the mark.

For Cornets With Registers, Bugles, Musical Trumpets, Baritone Violins, Alto Violins, Tenor Violins, Bass Violins, Tubas, Counter-Bass, Helicons, Low Bassophones, Trombones With Slides, Musical Horns, Alto Horns, Clarions, Trumpets, Hunters' Trumpets, Saxophones, Sarrussophones, Clarinets, Saxo-Clarinets, Flutes, Flageolet Fifes, English Horns, Raitas, Bagpipes, Hautbois, Bassoons, Violins, Drums, Large Drums, Kettle-Drums, Cymbals, Chinese Bells, Carillons, Mouth-Pieces for Instruments, Reeds for Wind Instruments.
Claims use since Apr. 13, 1932.

CLASS 37

Paper and Stationery

Ser. No. 385,247. BRITISH CELILYND LIMITED, London, England. Filed Nov. 7, 1936.

CELILYND

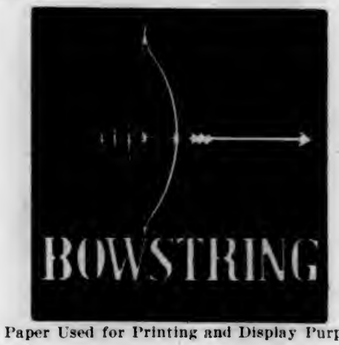
For Wrapping and Packing Paper, Cardboard, and Strawboard.
Claims use since November, 1935.

Ser. No. 386,331. HARVEY B. MARTLING, Nashville, Tenn. Filed Dec. 4, 1936.

Flexiflat

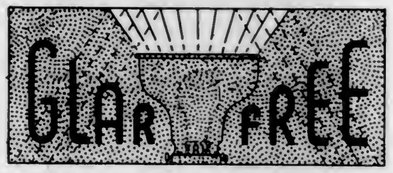
For Blank Flexibly Bound Books.
Claims use since Oct. 29, 1936.

Ser. No. 387,461. BATES COMPTON, New York, N. Y. Filed Jan. 5, 1937.



For Paper Used for Printing and Display Purposes and Cardboard.
Claims use since Dec. 19, 1936.

Ser. No. 387,861. CURTIS 1000 INCORPORATED, St. Paul, Minn. Filed Jan. 16, 1937.



The notation "Glar Free" is disclaimed apart from the mark shown.

For Paper Used in Certain Books of Account and Other Books Printed by Applicant.
Claims use since Dec. 22, 1936.

Ser. No. 388,478. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Feb. 5, 1937.

BAY BEACH COVERFIBRE

The word "Coverfibre" is disclaimed apart from the mark shown.

For Paper Table Covers.
Claims use since July 14, 1925.

Ser. No. 388,479. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Feb. 5, 1937.

ECONDEX

For Paper Towels.
Claims use since July 7, 1923.

Ser. No. 388,480. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Feb. 5, 1937.

Flush

For Toilet Tissue Paper.
Claims use since Dec. 12, 1928.

Ser. No. 389,061. FLETCHER PAPER COMPANY, Alpena, Mich. Filed Feb. 18, 1937.

STOCKADE



For Wrapping Paper.
Claims use since June 19, 1936.

CLASS 38

Prints and Publications

Ser. No. 380,872. INDUSTRIAL PUBLISHING CO., Cleveland, Ohio. Filed July 10, 1936.

Industry and Welding

For Publication Published Monthly or From Time to Time.
Claims use since March, 1931.

Ser. No. 381,202. HAROLD H. GARTNER, doing business as Halgar, New York, N. Y., and Los Angeles, Calif. Filed July 20, 1936.

Halgar

For Printed Letters, Pamphlets, and Brochures Published From Time to Time on Astrological Character Analysis.
Claims use since 1930.

Ser. No. 382,753. JOSLYN LABORATORIES, INC., Rockford, Ill. Filed Aug. 31, 1936.

BIOMIN

For Charts, Printed Data, Compilations, Analyses, and Opinions, all as Pertaining to Food Products and Their Nutritive Value.
Claims use since July 20, 1936.

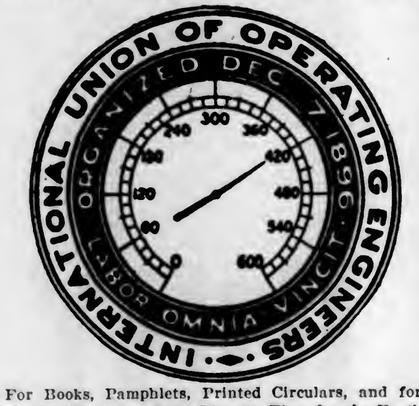
Ser. No. 384,402. THE PHILADELPHIA INQUIRER COMPANY, Philadelphia, Pa. Filed Oct. 15, 1936.

YOUR PORT IN A STORM

By Dorothea Ames

For Newspaper Section.
Claims use since Sept. 30, 1936.

Ser. No. 387,071. INTERNATIONAL UNION OF OPERATING ENGINEERS, Washington, D. C. Filed Dec. 23, 1936.



For Books, Pamphlets, Printed Circulars, and for a Periodical Published from Time to Time for the Furtherance of Its Objects.
Claims use since May 1, 1928.

Ser. No. 387,180. EDWARD B. FRITZ, Chicago, Ill. Filed Dec. 28, 1936.

Paper World

For Magazine.
Claims use since Nov. 2, 1936.

Ser. No. 387,816. THE CATHOLIC DIGEST, INC., St. Paul, Minn. Filed Jan. 15, 1937.

Catholic Reader's
BOOK AND MAGAZINE
DIGEST

For Monthly Periodical.
Claims use since October, 1934.

Ser. No. 388,319. GEORGE J. HOUTAIN, doing business as Empire Druggist Co., Albany, N. Y. Filed Jan. 29, 1937.

EMPIRE DRUGGIST

For Monthly Magazine.
Claims use since September, 1936.

Ser. No. 388,561. BRUNS PUBLICATIONS, INC., New York, N. Y. Filed Feb. 5, 1937.

VOICE OF THE FUTURE

For Sections or Columns Appearing in Magazines and Other Publications.
Claims use since Feb. 2, 1937.

Ser. No. 388,608. ADMINISTRATIVE PUBLISHING COMPANY, INC., Milwaukee, Wis. Filed Feb. 6, 1937.

CHURCH PROPERTY ADMINISTRATION

For Magazines Issued Monthly.
Claims use since Oct. 3, 1936.

Ser. No. 388,656. THE NEW YORK CENTRAL RAILROAD COMPANY, New York, N. Y. Filed Feb. 8, 1937.

THE NEW YORK VISITOR

For Monthly Magazine of Metropolitan Events and Handbook of New York City.
Claims use since Jan. 1, 1937.

CLASS 39

Clothing

Ser. No. 354,456. ABRAHAM & STRAUS, INC., New York, N. Y. Filed July 31, 1934.

Twixteen Shop

The word "Shop" is disclaimed apart from the mark.
For Girls' and Children's Coats, Dresses; Shoes of Leather and Fabric and Combinations of Leather, Fabric, and Rubber; Sport Jackets, Ski Suits, Sweaters, Outer Skirts, and Blouses.
Claims use since Sept. 3, 1933.

Ser. No. 374,517. SAMUEL GOLDBAUM, doing business as Lily Hat Company, New York, N. Y. Filed Feb. 5, 1936.

Knapton

For Ladies' Hats.
Claims use since Feb. 1, 1935.

Ser. No. 375,870. ARTCRAFT SILK HOSIERY MILLS, INC., Philadelphia, Pa. Filed Mar. 12, 1936.

Magic Fit

The word "Fit" is disclaimed apart from the mark shown.
Applicant is the owner of registrations Number 318,297, issued Oct. 23, 1934; Number 327,567, issued Aug. 27, 1935; and Number 343,009, issued Feb. 9, 1937.
For Women's Hosiery.
Claims use since Aug. 30, 1933.

Ser. No. 380,000. INDICTOR, KOFSKY & HABERMAN, INC., New York, N. Y. Filed June 20, 1936.

BREVITY COATS

The word "Coats" is disclaimed apart from the mark.
For Women's Coats.
Claims use since June 1, 1936.

Ser. No. 382,963. MORRIS SILVER, New York, N. Y. Filed Sept. 5, 1936.

Princess Pat

For Children's and Junior Misses' Dresses, Gowns, Wraps, Coats of All Kinds and of All Materials, and Hats.
Claims use since July 15, 1936.

Ser. No. 383,608. VICMORE FUR CO., INC., Middletown, Del., and New York, N. Y. Filed Sept. 24, 1936.

SIBERIAN SEAL GUARANTEED DYED CONEY

All wording is disclaimed apart from the mark.
For Dyed Coney Fur Coats.
Claims use since June 1, 1935.

Ser. No. 384,281. SAMUEL YELLIN, doing business as Yellin Dry Goods Company, Boston, Mass. Filed Oct. 12, 1936.

Citywear

TRI-YEL FOR QUALITY

The words "Citywear" and "Quality" are disclaimed apart from the mark.
For Ladies', Men's, Misses', Children's, and Infants' Hosiery, Whether Silk, Wool, Rayon, Cotton, Lisle, or of Other Material, and Whether Full Fashioned or Otherwise; for Ladies', Men's, Misses', Children's, and Infants' Underwear, Whether Silk, Wool, Rayon, Cotton, Lisle, or Other Material, and Whether Knitted or Otherwise Made; for Men's and Boys' Shirts, Whether for Work or Dress Wear, of Any Material, Including Knitted Polo Shirts; for Men's, Ladies', and Children's Outerwear—Namely, Bathing Suits, Sweaters, Jackets, Ski Suits, Slacks, Skirts, Shorts, Play Suits, and Overalls, of Any Material, Including Bathing Suits of Rubber or Other Fabrics and Jackets of Leather or Imitations of Leather; for Bath Robes, Gowns, Pajamas, Dresses.
Claims use since Apr. 1, 1935.

Ser. No. 385,010. SIMPSON & GODLEE, LIMITED, Manchester, England. Filed Oct. 31, 1936.

JUDY

For Blouses, Bonnets, Dresses, and Frocks for Women and Children; Women's Ensemble Suits, Outer Skirts,

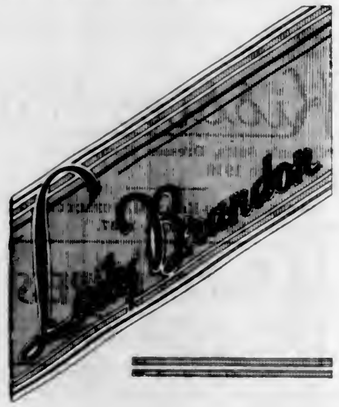
Dressing Gowns, Dressing Jackets, Dressing Wraps; Outer Shirts for Women and Boys; Jumpers, Nightdresses, Nightshirts, Pyjamas, Pinafores, Scarves, Aprons, Overalls, Dress, Negligee, and Work Shirts for Men; Underwear for Men and Boys—Namely, Undershirts, Singlets, Pants, and Combinations; Underwear for Women and Girls — Namely, Undershirts, Combinations, Singlets, Bloomers, Knickers, Petticoats, Slips, Chemises, Bodices, Camisoles, Vests, Cami-Knickers, and Panties.
Claims use since Nov. 3, 1931.

Ser. No. 385,962. ARLINGTON SILK HOSIERY CO. INC., New York, N. Y. Filed Nov. 25, 1936.



For Hosiery.
Claims use since Oct. 1, 1936.

Ser. No. 385,964. ASHEBORO HOSIERY MILLS, INC., Asheboro, N. C. Filed Nov. 25, 1936.



For Hosiery.
Claims use since Nov. 12, 1936.

Ser. No. 386,437. JUSTIN MCCARTY, INC., Dallas, Tex. Filed Dec. 7, 1936.



The notation "Hollywood Creations" is disclaimed apart from the mark.
For Ladies' and Misses' Dresses.
Claims use since 1928.

Ser. No. 386,478. BLASS-MEYERS MFG. CO., INC., New York, N. Y. Filed Dec. 8, 1936.

Montauk

For Dress, Negligee, and Work Shirts, Jackets, Overalls, Sportswear—Namely, Polo Shirts, Athletic Shirts, Melton Jackets (Plain and Fancy), Mackinaws, and Lumber Jackets.
Claims use since Oct. 26, 1936.

Ser. No. 386,752. DAVE WEISBERGER, New York, N. Y. Filed Dec. 14, 1936.

TRU-ARCH

For Shoes of Leather, Rubber, and Fabric, and Combinations of Those Materials.
Claims use since Oct. 26, 1936.

Ser. No. 387,268. DAVID M. CONN, New York, N. Y. Filed Dec. 30, 1936.

MR. BROADWAY

For Hosiery.
Claims use since May 25, 1922.

Ser. No. 387,384. MIDWEST SLIPPER MFG. CO., Chicago, Ill. Filed Jan. 2, 1937.

PRICE'S COMFORT SLIPPERS

The expression "Comfort Slippers" and the picture of a slipper are disclaimed.
For Slippers Made of Leather, Rubber, and Fabric, and/or Combinations Thereof, and Sheepskin Moccasins.
Claims use since Apr. 11, 1932.

Ser. No. 387,572. PHILIP WISE DRESSES INC., New York, N. Y. Filed Jan. 7, 1937.



For Dresses for Misses and Women.
Claims use since Dec. 18, 1936.

Ser. No. 388,052. JOHN DAVID, New York, N. Y. Filed Jan. 22, 1937.

Sightseer

For Socks, Men's Union Suits, Undershirts, Underdrawers, Dress and Negligee Shirts, Neckties, Collars, Men's Hats and Caps, Leather and Fabric Gloves, Men's Suits, Sweaters, Overcoats, Raincoats, Mufflers, Pajamas, Bath and Lounging Robes, and Bathing Suits.
Claims use since Nov. 5, 1936.

Ser. No. 388,197. KINGSBORO SILK MILLS, INC., Gloversville, N. Y. Filed Jan. 26, 1937.

Visionettes
BY ROGERS

The words "By Rogers" are disclaimed apart from the mark.
For Ladies' and Children's Knitted Vests, Bloomers, Panties, Night Gowns, and Pajamas.
Claims use since Jan. 5, 1933.

Ser. No. 388,234. IRWILL KNITWEAR CORP., New York, N. Y. Filed Jan. 27, 1937.

"SUN MODE"

The word "Mode" is disclaimed apart from the mark as shown.
For Beachwear—Namely, Outer Shirts and Slacks.
Claims use since Dec. 2, 1936.

Ser. No. 388,304. H. D. BOB COMPANY, INC., New York, N. Y. Filed Jan. 29, 1937.

TRAILER

TOGS

—The word "Togs" is disclaimed apart from the mark.
For Men's and Boys' Dress, Negligee, and Work Shirts, Blouses, Pajamas, Textile Underwear Made of Cotton, Linen, Flannel, Wool, Silk, Artificial Silk, and Other Textiles, and Overjackets (These Overjackets are Knit Bottom Blouses, Commonly Called Windbreakers, and Made of Heavy Buffalo Flannels or Plaid Flannels).
Claims use since Jan. 23, 1937.

Ser. No. 388,396. JULIUS KAYSER & CO., New York, N. Y. Filed Feb. 1, 1937.

BY-LYNES

For Ladies' and Children's Underwear.
Claims use since Jan. 21, 1937.

Ser. No. 388,483. RUSSEKS FIFTH AVENUE INC., New York, N. Y. Filed Feb. 2, 1937.

"WOMAN IN WHITE"

The word "White" is disclaimed apart from the mark as shown.
For Clothing for Women—Namely, Ladies' and Misses' Dresses, Coats, Suits, Evening Gowns, Afternoon Dresses, and Dinner Gowns, the Same Being Made of Silk, Satin, Rayon, Wool, Cotton, Knit Goods, Combination of Silk and Wool, or Worsteds.
Claims use since March, 1935.

Ser. No. 388,502. KIDDIES PAL, INC., New York, N. Y. Filed Feb. 3, 1937.

Kiddies Pal

For Children's Suits, Dresses, Rompers, and Sun Suits.
Claims use since 1919.

Ser. No. 388,535. LANG-KOHN MANUFACTURING COMPANY, St. Louis, Mo. Filed Feb. 4, 1937.

THE DAGGER DRESS by Ellen Kaye
"FAMOUS FOR THEIR FIT"

The words "Dress" and "Famous for their fit" are disclaimed apart from the mark.
For Women's, Misses', and Girls' Dresses.
Claims use since Dec. 15, 1936.

Ser. No. 388,572. GALLANT FROCKS, INC., New York, N. Y. Filed Feb. 5, 1937.

Rembrandt
Fashion Prints
A GALLANT MADE

The words "Fashion Prints" and "Made" are disclaimed apart from the mark.
For Ladies' Dresses.
Claims use since October, 1936.

Ser. No. 388,597. SAMUEL SCHEUER, New York, N. Y. Filed Feb. 5, 1937.



The expressions "New York", "Paris", and "The Ladies Hatter" are disclaimed.
For Women's and Children's Hats and Caps.
Claims use since Jan. 5, 1936.

Ser. No. 388,627. PAUL A. SPERRY, New Haven, Conn. Filed Feb. 6, 1937.

TOP-SIDER

For Boots and Shoes Made of a Combination of Rubber or Rubber Substitute in Combination with Either Fabric or Leather or Both.
Claims use since Jan. 7, 1937.

Ser. No. 388,645. S. LEFFMANN LIMITED, London, England. Filed Feb. 8, 1937.

PARTOS

For Brassières.
Claims use since July 28, 1936.

Ser. No. 388,686. ROGERS PEET COMPANY, New York, N. Y. Filed Feb. 9, 1937.

Equitaire

For Men's Outer Suits.
Claims use since Feb. 1, 1937.

Ser. No. 388,730. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio. Filed Feb. 10, 1937.

COOL TOPICS

For Clothing—Namely, Men's Suits.
Claims use since December, 1935.

Ser. No. 388,731. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio. Filed Feb. 10, 1937.

HAVANA COOLERS

For Clothing—Namely, Men's Suits.
Claims use since December, 1935.

Ser. No. 388,767. COHEN BROS. CORP., New York, N. Y. Filed Feb. 11, 1937.

Co-Cuna

For Ladies' and Misses' Sweaters and Dresses.
Claims use since July, 1936.

Ser. No. 388,773. GOLDFINGER & FRIEDMAN, New York, N. Y. Filed Feb. 11, 1937.

Town Crest

For Women's and Misses' Coats.
Claims use since Dec. 24, 1936.

Ser. No. 388,781. I. JANOV-ABELES SHIRT CO., New York, N. Y. Filed Feb. 11, 1937.

LANE-SURRAY

For Men's Pajamas, Men's and Boys' Underwear, and Men's and Boys' Dress and Negligee Shirts.
Claims use since Nov. 1, 1936.

Ser. No. 389,026. WILLIAMSBRIDGE MILLS, INC., New York, N. Y. Filed Feb. 17, 1937.

PLANTATION

For Women's and Misses' Blouses, Dresses, Skirts, and Playsuits.
Claims use since Aug. 5, 1935.

Ser. No. 389,591. JENCO BROTHERS, INC., Paterson, N. J. Filed Mar. 1, 1937.

Nojar

For Rubber Heels.
Claims use since Feb. 23, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 387,256. SIEGEL BROS. KIKI MAID KOATS INC., New York, N. Y. Filed Dec. 29, 1936.

ROYAL CAMELS HAIR

The words "Camels Hair" are claimed only with the other features of the mark.
For Piece Goods Made of Wool Having a Predominant Camel's Hair Content.
Claims use since July 1, 1936.

Ser. No. 388,326. THE LOOMCREST CORPORATION, New York, N. Y. Filed Jan. 29, 1937.

LOOM-TEX

For Knitted and Woven Cotton and Rayon Piece Goods.
Claims use since June 15, 1935.

Ser. No. 389,172. CHOPAK TEXTILE CO. INC., New York, N. Y. Filed Feb. 20, 1937.

KRAYETTE

For Plain and Printed Rayon and Acetate Cloth.
Claims use since December, 1932.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 353,644. GLENDALE BEVERAGE CO., Kansas City, Mo. Filed July 9, 1934.

White Seal

For Beverages, viz., Ginger Ale and Also a Natural Water (Lithiated and Carbonated).
Claims use since Sept. 1, 1930.

Ser. No. 387,785. W. P. HERSHBERGER, San Luis Obispo, Calif. Filed Jan. 14, 1937.

CUESTA SPRINGS

For Spring Water, Distilled Water, Siphon Water, and Sparkling Water.
Claims use since Nov. 15, 1936.

Ser. No. 388,428. BLUE ANCHOR BEVERAGE COMPANY, Philadelphia, Pa. Filed Feb. 2, 1937.

TRIPLE SEC

For Non-Alcoholic Maltless Beverages Sold as Soft Drinks.
Claims use since November. 1923.

Ser. No. 388,965. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y. Filed Feb. 15, 1937.

QUART-AID

For Soft Drinks and Flavors Therefor.
Claims use since Feb. 1, 1937.

Ser. No. 389,106. VESS BEVERAGE COMPANY, INC., St. Louis, Mo. Filed Feb. 18, 1937.

BILLION BUBBLES

For Nonalcoholic Beverages.
Claims use since Dec. 1, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 354,021. THE BEST FOODS, INC., New York, N. Y. Filed July 18, 1934.

HOLIDAY

For Salad Dressing and/or Mayonnaise.
Claims use since July 10, 1934.

Ser. No. 360,591. LEW HURWITZ, Baltimore, Md. Filed Jan. 23, 1935.

Lu-Lu

For Edible Nuts, Roasted and/or Salted, Particularly Peanuts and Mixed Nuts, and Peanut Butter Sandwiches.
Claims use since December, 1934.

Ser. No. 380,060. KENT CEREAL CO., Morley, Mich. Filed June 22, 1936.

EXCELL-O

For Breakfast Cereal—Namely, Puffed Wheat.
Claims use since Apr. 15, 1936.

Ser. No. 383,834. WOUKA DISTRIBUTING CO., New York, N. Y. Filed Sept. 30, 1936.

MARINA BRAND

The word "Brand" and the representation of the shellfish are disclaimed apart from the mark.
For Frozen Shellfish Products—Namely, Spiny Lobster Tails.
Claims use since Sept. 1, 1935.

Ser. No. 384,069. GIORDANO BROS., San Jose, Calif. Filed Sept. 25, 1936.

Our Boys

For Fresh Fruit—Namely, Prickly Pears.
Claims use since 1930.

Ser. No. 386,050. SUNFLOWER PACKING CORP., Porterville, Calif. Filed Nov. 27, 1936.

PORTER

For Fresh Citrus Fruit.
Claims use since Nov. 10, 1936.

Ser. No. 386,186. A/S EINAR HAUSVIK & Co., Bergen, Norway. Filed Dec. 2, 1936.

KING OLAV

The representation of a label is disclaimed.
For Canned Fish, and Particularly Sardines.
Claims use since June 15, 1936.

Ser. No. 387,059. THE BEST FOODS, INC., New York, N. Y. Filed Dec. 23, 1936.

TANGAY

For Mayonnaise and Salad Dressings.
Claims use since Nov. 10, 1936.

Ser. No. 387,320. FOOD ASSOCIATES, INC., Seattle, Wash. Filed Dec. 31, 1936.

GQ

For Canned Fruits—Namely, Prunes and Pears, and Canned Fish.
Claims use since Sept. 25, 1936 on canned fruit, since July 3, 1936 on canned fish.

Ser. No. 387,659. COLLIS PRODUCTS COMPANY, St. Paul, Minn. Filed Jan. 11, 1937.

MOLASSES-FED

The word "Molasses" is disclaimed apart from the mark as shown.
For Poultry and Stock Feed Containing Buttermilk and Molasses.
Claims use since Dec. 12, 1936.

Ser. No. 387,697. THE BORDEN COMPANY, New York, N. Y. Filed Jan. 12, 1937.

Thrift-Way

For Shell Eggs.
Claims use since Dec. 30, 1936.

Ser. No. 387,852. THE ASTER CASH MARKETS COMPANY, Akron, Ohio. Filed Jan. 16, 1937.

OHIO VALLEY

The words "Ohio Valley Brand" are disclaimed apart from the mark.
For Dressed Poultry—Namely, Chickens, Turkeys, Ducks, and Geese.
Claims use since Nov. 24, 1936.

Ser. No. 388,191. E. GREENFIELD'S SONS, INC., New York, N. Y. Filed Jan. 26, 1937.



The word "Brand" is disclaimed apart from the mark.
For Candles and Chocolates.
Claims use since January, 1855.

Ser. No. 388,317. EMIL FLEISCHL & SON, New York, N. Y. Filed Jan. 29, 1937.



For Eggs.
Claims use since Jan. 15, 1937.

Ser. No. 388,329. MIL-FORD FOOD PRODUCTS CO., Milford, Mich. Filed Jan. 29, 1937.

BRUMORE PRODUCTS

The word "Products" is disclaimed apart from the mark shown.
For Corn-Grits, Corn Flakes, Rice Grits, Rice Flakes, Ground Rice, and Whole Rice for Food Purposes.
Claims use since Jan. 7, 1937.

Ser. No. 388,782. THE JEL SERT COMPANY, Chicago, Ill. Filed Feb. 11, 1937.

Macamix

For Powder Concentrate for Making Maple Flavored Syrup.
Claims use since Jan. 4, 1937.

Ser. No. 388,798. THE RATH PACKING COMPANY, Waterloo, Iowa. Filed Feb. 11, 1937.

SPEAK

For Dog Food.
Claims use since Jan. 30, 1937.

Ser. No. 388,812. F. G. VOGT & SONS, INCORPORATED, Philadelphia, Pa. Filed Feb. 11, 1937.

Bac 'am

For Breakfast Combination Comprising Sliced Bacon and Sliced Smoked Boneless Ham.
Claims use since Jan. 20, 1937.

Ser. No. 388,830. G. A. DAHL & CO., Brawley, Calif. Filed Feb. 12, 1937.

CONTACT

For Fresh Vegetables.
Claims use since December, 1936.

Ser. No. 388,831. G. A. DAHL & CO., Brawley, Calif. Filed Feb. 12, 1937.

GADCO

For Fresh Vegetables.
Claims use since November, 1936.

Ser. No. 388,875. SOCIETE MENIER, Paris, France. Filed Feb. 13, 1937.



For Chocolates and Candies.
Claims use since September, 1930.

Ser. No. 388,889. ANGELES FRUIT & PRODUCE CO., INC., Los Angeles, Calif. Filed Feb. 15, 1937.

ANGELINO

For Fresh Citrus Fruits, Fresh Deciduous Fruits and Fresh Vegetables.
Claims use since Feb. 10, 1937.

Ser. No. 388,949. MAYONNAISE PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 15, 1937.

BRICK-O-NAISE

For Mayonnaise and Salad Dressings in Brick Form.
Claims use since Jan. 4, 1937.

Ser. No. 388,973. ELMER CANDY CO., INC., doing business as Belle Chasse Candies, New Orleans, La. Filed Feb. 16, 1937.

BELLE CHASSE

For Candy.
Claims use since Jan. 5, 1937.

Ser. No. 388,993. H. R. SPENCER, doing business as Spencer Bakery Products Company, New York, N. Y. Filed Feb. 16, 1937.

FAMOUS FLIGHT



For Biscuits.
Claims use since Jan. 21, 1937.

Ser. No. 389,048. ALBRO GEORGI WYNKOOP, doing business as Dain-Tee Food Products, San Francisco, Calif. Filed Feb. 17, 1937.

TORTEA

For Chips Made from Whole Tamale Corn.
Claims use since July 5, 1935.

Ser. No. 389,050. ALLEN, SLADE & CO. INC., Fall River, Mass. Filed Feb. 18, 1937.

WATUPPA

For Canned Fruits and Vegetables, Spaghetti, Coffee, Tea, Peanut Butter, Baked Beans, Mustard and Mustard Bran, and Sweet Pickles.
Claims use since Jan. 4, 1934.

Ser. No. 389,113. CAMARILLO CITRUS ASSOCIATION, Camarillo, Calif. Filed Feb. 19, 1937.

ACTION

For Fresh Citrus Fruits.
Claims use since Feb. 5, 1937.

Ser. No. 389,114. CAMARILLO CITRUS ASSOCIATION, Camarillo, Calif. Filed Feb. 19, 1937.

SYSTEM

For Fresh Citrus Fruits.
Claims use since Feb. 5, 1937.

CLASS 47

Wines

Ser. No. 388,260. COLLEGE INN FOOD PRODUCTS COMPANY, Chicago, Ill. Filed Jan. 28, 1937.

COLLEGE INN

For Wines.
Claims use since 1905.

Ser. No. 388,270. G. LOEWUS & CO., INC., Newark, N. J. Filed Jan. 28, 1937.

La Valva

For Wines.
Claims use since Dec. 1, 1936.

Ser. No. 388,272. G. LOEWUS & CO., INC., Newark, N. J. Filed Jan. 28, 1937.

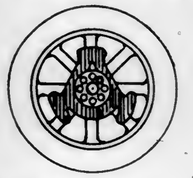
Nalco

For Wines.
Claims use since Nov. 6, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 383,697. AUTO CITY BREWING COMPANY, Detroit and Hamtramck, Mich. Filed Sept. 28, 1936.



For Beer.
Claims use since February, 1912.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 382,656. D. J. BIELZOFF PRODUCTS COMPANY, Chicago, Ill. Filed Aug. 28, 1936.

RED HORSE RIDER

For Gins, Rum, Kummel, Rock and Rye, Cordials, Cocktails, Liqueurs, Vodka, Alcoholic Bitters.
Claims use since June 26, 1936.

Ser. No. 386,878. WESTERN DISTILLERS CORP., Los Angeles, Calif. Filed Dec. 17, 1936.

Twin Rivers

For Whiskey.
Claims use since Nov. 11, 1936.

Ser. No. 387,592. PARK, BENZIGER & CO., INC., New York, N. Y. Filed Jan. 8, 1937.

PUNCH BOWL

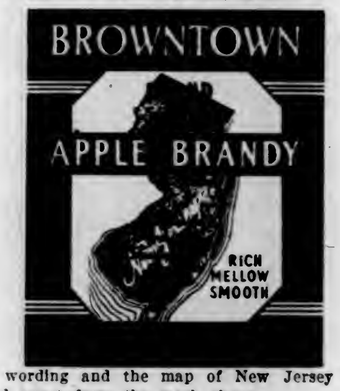
For Rum.
Claims use since Sept. 3, 1935.

Ser. No. 387,773. THE AMERICAN DISTILLING COMPANY, Pekin, Ill. Filed Jan. 14, 1937.



The word "Bourbon" is disclaimed apart from the mark.
For Whiskey.
Claims use since Feb. 4, 1935.

Ser. No. 388,104. NEW JERSEY APPLE GROWERS, INC., Matawan, N. J. Filed Jan. 23, 1937.



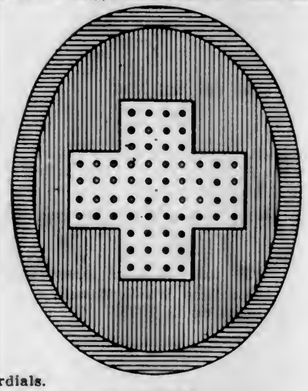
All wording and the map of New Jersey are disclaimed apart from the mark shown.
For Apple Brandy.
Claims use since Jan. 13, 1937.

Ser. No. 388,816. WOODFORD COUNTY DISTILLERY CO., Midway, Ky. Filed Feb. 11, 1937.

"MIDWAY IN THE BLUE GRASS"

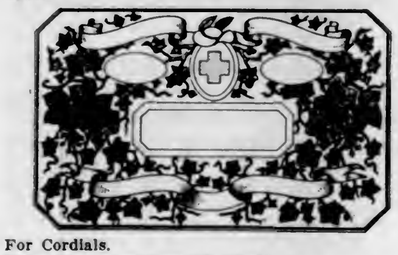
For Whiskey.
Claims use since Dec. 20, 1936.

Ser. No. 389,554. ETABLISSEMENTS PERNOD, MAISONS PERNOD FILS, HEMARD & PERNOD PERE & FILS REUNIES (SOCIETE ANONYME), Paris, France. Filed Mar. 2, 1937.



For Cordials.
Claims use since June 12, 1936.

Ser. No. 389,555. ETABLISSEMENTS PERNOD, MAISONS PERNOD FILS, HEMARD & PERNOD PERE & FILS REUNIES (SOCIETE ANONYME), Paris, France. Filed Mar. 2, 1937.



For Cordials.
Claims use since June 12, 1936.

Ser. No. 389,583. WOODFORD COUNTY DISTILLERY CO., Midway, Ky., and St. Louis, Mo. Filed Mar. 2, 1937.

Kentucky Cave

For Whiskey.
Claims use since Feb. 19, 1937.

Ser. No. 389,584. WOODFORD COUNTY DISTILLERY CO., Midway, Ky., and St. Louis, Mo. Filed Mar. 2, 1937.

KENTUCKY RIBBON

For Whiskey.
Claims use since Feb. 13, 1937.

Ser. No. 389,585. WOODFORD COUNTY DISTILLERY CO., Midway, Ky., and St. Louis, Mo. Filed Mar. 2, 1937.

Lucky Kentucky

For Whiskey.
Claims use since Feb. 16, 1937.

Ser. No. 389,586. WOODFORD COUNTY DISTILLERY CO., Midway, Ky., and St. Louis, Mo. Filed Mar. 2, 1937.

OLD W.C.D.

For Whiskey.
Claims use since Feb. 8, 1937.

Ser. No. 389,796. RED STAR YEAST AND PRODUCTS COMPANY, doing business as National Distilling Company, Milwaukee, Wis. Filed Mar. 8, 1937.

GRAINHEART

For Grain Alcohol.
Claims use since Feb. 24, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 378,406. WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed May 13, 1936.

BEAU KNOT

For Advertising Signs, Artificial Flowers, Foliage, and Fruits, Athletic Insignias, Awnings, Backing Material, Banners, Badges, Flags, Bottle Caps, Bottle and Jar Closures, Braided Rope Mats, Bulletin Boards for Games, Caps and Closure Seals, Bottle Capsules, Celluloid Caps and Bands, Chair Stepladder and Ironing Combinations, Composition Material in Sheet Form, Floor and Table Coverings of Rubber Composition, Drinking Straws, Dryers in the Nature of Felt Blankets, Elastic Transparent Sheet Material, Engraving Blocks, Fly Swatters and Fabrics for Fly Swatters, Water Resistant Fibre, Fire Proof Textiles, Flexible Resinoid Coated or Impregnated Fabrics, Fly Catchers, Fly Papers, Hosiery Forms and Parts Thereof, Forms for Displaying Shoes and Other Apparel, Garden Plats or Plans, Artificial Grass Grave Sets, Grass Mats and Rugs, Impregnated or Coated Fabrics, Incubators and Brooders, Collapsible Receptacles for Fumigation, Ladders, Laminated Phenol Fibre, Lasts and Trees for Boots and Shoes, Leather Substitutes, Markers for Safety Zones and the like, Rubber Mats, Metal Closures for Containing Vessels, Mouse Traps, and Printing Blocks.
Claims use since October, 1931.

Ser. No. 386,045. FREDERICK PIOWATI, New York, N. Y. Filed Nov. 27, 1936.

GEMERAID

No claim is made to the representation of the sign per se apart from the mark shown.
For Mechanically Operated Advertising Signs and Parts Thereof.
Claims use since Nov. 12, 1936.

Ser. No. 388,669. THE COLLIS COMPANY, Clinton, Iowa. Filed Feb. 9, 1937.

ZEPHYR

For Fly Swatters.
Claims use since Dec. 24, 1936.

Ser. No. 388,670. THE COLLIS COMPANY, Clinton, Iowa. Filed Feb. 9, 1937.

CYCLONE

For Fly Swatters.
Claims use since Dec. 24, 1936.

Ser. No. 388,671. THE COLLIS COMPANY, Clinton, Iowa. Filed Feb. 9, 1937.

HURRICANE

For Fly Swatters.
Claims use since Dec. 24, 1936.

Ser. No. 388,672. THE COLLIS COMPANY, Clinton, Iowa. Filed Feb. 9, 1937.

WHIRLWIND

For Fly Swatters.
Claims use since Dec. 24, 1936.

Ser. No. 388,673. THE COLLIS COMPANY, Clinton, Iowa. Filed Feb. 9, 1937.

TORNADO

For Fly Swatters.
Claims use since Dec. 24, 1936.

[ACT OF FEBRUARY 20, 1905, AS AMENDED JUNE 20, 1936]

CLASS 46

Foods and Ingredients of Foods

Ser. No. 302,197. VEREENIGING "HET KAASMERK", Leyden, Netherlands. Filed June 5, 1930. Under act of Feb. 20, 1905, as amended June 20, 1936.



For Cheese.
Claims use since Jan. 6, 1920.

Ser. No. 302,198. VEREENIGING "HET KAASMERK", Leyden, Netherlands. Filed June 5, 1930. Under act of Feb. 20, 1905, as amended June 20, 1936.



The Dutch words "Nederlandsche Kaascontrole Onder Rijkstoezicht" mean "Dutch Cheese Control Under Government Supervision". The indication "40+" means that the cheese contains a fat content of at least 40%; this indication and all the wording are disclaimed apart from the mark as shown on the drawing.
For Cheese.
Claims use since Jan. 6, 1920.

Ser. No. 302,199. VEREENIGING "HET KAASMERK", Leyden, Netherlands. Filed June 5, 1930. Under act of Feb. 20, 1905, as amended June 20, 1936.



The Dutch words "Nederlandsche Kaascontrole Onder Rijkstoezicht" mean "Dutch Cheese Control Under Government Supervision". The Dutch word "Volvet" means "Whole Fat" or "Full Cream". The indication "45%" means that the cheese bearing the mark with this indication has a fat content of at least 45%. The letters "ABC" and the numerals "12345" are examples of the letters and numerals to identify the various cheeses and may be varied by the substitution of other letters and numerals. In use, the mark is in blue color. No claim is made to the letters "ABC" nor to the numerals "1 2 3 4 5", and no claim is made to the other wording appearing in the mark, apart from the mark as shown in the drawing.
For Cheese.
Claims use since Jan. 6, 1920.

Ser. No. 302,200. VEREENIGING "HET KAASMERK", Leyden, Netherlands. Filed June 5, 1930. Under act of Feb. 20, 1905, as amended June 20, 1936.



The Dutch words "Nederlandsche Kaascontrole Onder Rijkstoezicht" mean "Dutch Cheese Control Under Government Supervision". The indication "40+" means that the cheese bearing the mark with this indication has a fat content of at least 40%. The letters "ABC" and the numerals "12345" are examples of the letters and numerals used for indicating various cheeses and they may be varied in use by the substitution of other letters and numerals. No claim is made to the letters "ABC" nor to the numerals "1 2 3 4 5", and no claim is made to the other wording appearing in the mark, apart from the mark as shown in the drawing.
For Cheese.
Claims use since Jan. 6, 1920.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 13, 1937

344,942. MEN'S AND WOMEN'S RUNNING PANTS, SHORTS, ATHLETIC SHIRTS, DRAWERS, UNION SUITS, PAJAMAS, AND CHILDREN'S ATHLETIC UNDERWEAR AND PAJAMAS. ISADOR PANITZ, doing business as Yale Underwear Co., Baltimore, Md.
Filed February 6, 1933. Serial No. 334,688. PUBLISHED FEBRUARY 2, 1937. Class 39.

344,943. BEER. HABERLE CONGRESS BREWING CO., INC., Syracuse, N. Y.
Filed July 18, 1934. Serial No. 354,037. PUBLISHED AUGUST 6, 1935. Class 48.

344,944. CIGARS. JOSÉ LOPEZ, New York, N. Y.
Filed July 13, 1935. Serial No. 367,248. PUBLISHED FEBRUARY 2, 1937. Class 17.

344,945. FOOD COLORS, PERFUME RAW MATERIALS, PERFUME OIL CONCENTRATES, NATURAL FLORAL ISOLATES, AND SYNTHETIC ORGANIC CHEMICALS, PARTICULARLY AROMATICS. FLORASYNTH LABORATORIES, INC., New York, N. Y.
Filed September 21, 1935. Serial No. 369,568. PUBLISHED JANUARY 26, 1937. Class 6.

344,946. SALAD DRESSING. DURKEE FAMOUS FOODS, INC., Berkeley, Calif.
Filed October 2, 1935. Serial No. 369,912. PUBLISHED OCTOBER 20, 1936. Class 46.

344,947. PREPARATION FOR THE TREATMENT OF TRICOPHYTOSIS, COMMONLY CALLED ATHLETE'S FOOT, TOE ITCH AND THE LIKE AILMENTS OF THE FOOT. EDWARD C. WILLIAMS, doing business as Nocto Laboratories, Armorel, Ark.
Filed October 14, 1935. Serial No. 370,370. PUBLISHED JANUARY 26, 1937. Class 6.

344,948. PHONOGRAPHS AND APPARATUS FOR RECORDING SOUND ON DISCS AND ACCESSORIES THEREOF. SONOTONE CORPORATION, New York, N. Y.
Filed October 24, 1935. Serial No. 370,782. PUBLISHED FEBRUARY 2, 1937. Class 36.

344,949. CANNED APRICOTS, PITTED RED CHERRIES, PORK AND BEANS, HOMINY, WHEAT FLOUR, AND COFFEE. UNITED BUYERS CORPORATION, doing business as Foodcraft Products, Chicago, Ill.
Filed November 18, 1935. Serial No. 371,716. PUBLISHED FEBRUARY 2, 1937. Class 46.

344,950. CHEMICAL SUBSTANCE USED AS A DETERGENT FOR TEXTILE, HOUSEHOLD, INDUSTRIAL, AND OTHER PURPOSES WHERE DETERGENCY IS REQUIRED. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J.
Filed December 3, 1935. Serial No. 372,209. PUBLISHED FEBRUARY 2, 1937. Class 4.

344,951. CHEMICAL SUBSTANCE USED AS A DETERGENT FOR TEXTILE, HOUSEHOLD, INDUSTRIAL, AND OTHER PURPOSES WHERE DETERGENCY IS REQUIRED. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J.
Filed December 3, 1935. Serial No. 372,212. PUBLISHED FEBRUARY 2, 1937. Class 4.

344,952. PRIME-MOVER-DRIVEN ELECTRIC GENERATOR COMBINATIONS, INCLUDING WIND-DRIVEN AND ENGINE-DRIVEN ELECTRIC GENERATOR COMBINATIONS. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed December 23, 1935. Serial No. 373,009. PUBLISHED FEBRUARY 2, 1937. Class 21.

344,953. PHOTOGRAPHIC LENSES. TAYLOR, TAYLOR & HOBSON, LIMITED, Leicester, England.
Filed January 23, 1936. Serial No. 374,024. PUBLISHED FEBRUARY 2, 1937. Class 26.

344,954. COMPRESSORS AND COMPRESSOR UNITS FOR COMPRESSING FLUIDS. FRIGIDAIRE CORPORATION, Dayton, Ohio.
Filed January 25, 1936. Serial No. 374,080. PUBLISHED APRIL 21, 1936. Class 23.

344,955. SHIRTINGS AND BROADCLOTH PIECE GOODS OF COTTON, SILK, ARTIFICIAL SILK, MIXTURES OF COTTON AND SILK, MIXTURES OF COTTON AND ARTIFICIAL SILK, WOOL, AND MIXTURES OF COTTON AND WOOL. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed February 6, 1936. Serial No. 374,569. PUBLISHED OCTOBER 13, 1936. Class 42.

344,956. PREPARATION FOR INTERNAL ADMINISTRATION AND BEING IN THE NATURE OF A VACCINE OR SERUM FOR THE TREATMENT OF COLDS, PNEUMONIA, INFLUENZA, CATARRH, AND RESPIRATORY AILMENTS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed February 18, 1936. Serial No. 374,976. PUBLISHED JANUARY 26, 1937. Class 6.

344,957. ANCHOR PLUGS FOR SCREWS. FIBRO-PLUG SOLAR INDUSTRIES, New York, N. Y.
Filed April 14, 1936. Serial No. 377,255. PUBLISHED FEBRUARY 2, 1937. Class 13.

344,958. SEWER AND DRAIN CLEANING MACHINES. ROTO-ROOTER CORPORATION, Des Moines, Iowa.
Filed May 4, 1936. Serial No. 378,005. PUBLISHED FEBRUARY 2, 1937. Class 23.

344,959. SPORT DRESSES, SLACKS, SHORTS, CULOTTES, PLAY SUITS; MEN'S, LADIES', AND CHILDREN'S SPORT SHIRTS AND BLOUSES; AND MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS. RICE-STIX DRY GOODS CO., St. Louis, Mo.
Filed May 11, 1936. Serial No. 378,337. PUBLISHED FEBRUARY 2, 1937. Class 39.

344,960. PREPARATION FOR COLDS. OTTO H. KUETHER, doing business as Guy Rub Lab., Herington, Kans.
Filed May 20, 1936. Serial No. 378,603. PUBLISHED JANUARY 26, 1937. Class 6.

344,961. INSECTICIDES. CILLI EHRLICH, doing business as J. Ehrlich, Munich, Germany.
Filed May 20, 1936. Serial No. 378,651. PUBLISHED JANUARY 26, 1937. Class 6.

344,962. MOTH DEODORANT PREPARATION. GOULARD & OLENA, INC., New York, N. Y.
Filed May 28, 1936. Serial No. 378,917. PUBLISHED JANUARY 26, 1937. Class 6.

344,963. BEER. LOUIS ECKERT BREWING COMPANY, Los Angeles, Calif.
Filed June 10, 1936. Serial No. 379,512. PUBLISHED FEBRUARY 2, 1937. Class 48.

344,964. ALE. THE OERTEL COMPANY, INCORPORATED, Louisville, Ky.
Filed June 22, 1936. Serial No. 380,073. PUBLISHED FEBRUARY 2, 1937. Class 48.

344,965. ROTARY DRILLING CLAY. A. COURCHESNE, INC., doing business as El Paso Clay & Powder Company, El Paso, Tex.
Filed June 25, 1936. Serial No. 380,247. PUBLISHED FEBRUARY 2, 1937. Class 1.

344,966. SPORT VISORS. HARRIET C. HUGHES, South Port, Conn.
Filed June 26, 1936. Serial No. 380,278. PUBLISHED FEBRUARY 2, 1937. Class 39.

344,967. ELECTRIC SURGICAL STERILIZERS. MANFRED ABRAHAM, New York, N. Y.
Filed June 27, 1936. Serial No. 380,327. PUBLISHED FEBRUARY 2, 1937. Class 44.

344,968. LADIES' PAJAMAS AND NIGHT GOWNS. RELIANCE MANUFACTURING COMPANY, doing business as The Sterling Company, Chicago, Ill.
Filed June 27, 1936. Serial No. 380,364. PUBLISHED NOVEMBER 17, 1936. Class 39.

344,969. LEATHER SHOES, FABRIC SHOES, AND SHOES MADE OF A COMBINATION OF LEATHER AND FABRIC. SULKIS SHOE COMPANY, Marlboro, Mass.
Filed June 29, 1936. Serial No. 380,415. PUBLISHED FEBRUARY 2, 1937. Class 39.

344,970. CANNED SALMON. GRIFFITH-DURNEY COMPANY, San Francisco, Calif.
Filed July 3, 1936. Serial No. 380,566. PUBLISHED SEPTEMBER 8, 1936. Class 46.

344,971. AUTOMOBILES. SUNSHINE-RADIO SYSTEM, INC., New York, N. Y.
Filed July 13, 1936. Serial No. 380,976. PUBLISHED FEBRUARY 2, 1937. Class 19.

344,972. HAIR DRESSING, HAIR COLORING, AND HAIR SHAMPOO. A. BUCHHOLTZ CO., INC., doing business as Cabiria Co., New York, N. Y.
Filed July 15, 1936. Serial No. 381,018. PUBLISHED JANUARY 26, 1937. Class 6.

344,973. ARTEMIA SALINE COMPOUND FOR MAKING ISOTONIC PHYSIOLOGIC BRINE SHRIMP SOLUTION. ST. ELMO ABERNATHY, Berkeley, Calif.
Filed July 18, 1936. Serial No. 381,250. PUBLISHED JANUARY 26, 1937. Class 6.

344,974. AUTOMATIC OIL BURNERS. NORTH SHORE ELECTRIC CO., INC., Woodside, N. Y.
Filed July 21, 1936. Serial No. 381,283. PUBLISHED FEBRUARY 2, 1937. Class 34.

344,975. PREPARATIONS FOR THE TREATMENT OF DISORDERS OF THE KIDNEYS AND BLADDER, RHEUMATISM, AND URIC ACID TROUBLES. THE KNOX COMPANY, Los Angeles, Calif.
Filed July 24, 1936. Serial No. 381,412. PUBLISHED FEBRUARY 2, 1937. Class 6.

344,976. CANNED PEAS. CHINOOK PACKING COMPANY, Chinook, Wash.
Filed July 29, 1936. Serial No. 381,547. PUBLISHED SEPTEMBER 29, 1936. Class 46.

344,977. FERRUGINOUS TONIC AND HEMATINIC. NUTRI-BROM PHARMACAL CO., INC., Brooklyn, N. Y.
Filed July 29, 1936. Serial No. 381,572. PUBLISHED FEBRUARY 2, 1937. Class 6.

344,978. TABLES, CABINETS, RACKS, SHELVING, STANDS, AND LIKE ARTICLES MADE OF METAL OR OTHER SUITABLE MATERIAL AND USED AS FOOD SERVICE EQUIPMENT. S. BLICKMAN, INC., Weehawken, N. J.
Filed July 30, 1936. Serial No. 381,604. PUBLISHED FEBRUARY 2, 1937. Class 32.

344,979. TWIN STUDIO COUCHES. SLEEPER, INC., Chicago, Ill.
Filed August 3, 1936. Serial No. 381,790. PUBLISHED FEBRUARY 2, 1937. Class 32.

344,980. PREPARATIONS IN THE FORM OF AN OINTMENT, OIL, AND SOLUTION, TO BE APPLIED EXTERNALLY IN THE TREATMENT OF ARTHRITIS, NEURITIS, RHEUMATISM, NEURALGIA, LUMBAGO, SORE JOINTS, MUSCULAR ACHES AND PAINS. MEDICINAL RESEARCH LABORATORIES, Philadelphia, Pa.
Filed August 12, 1936. Serial No. 382,147. PUBLISHED FEBRUARY 2, 1937. Class 6.

344,981. INSECTICIDES. JULIUS P. TONDAT, doing business as J. Tondat Company, Hartford, Conn.
Filed August 19, 1936. Serial No. 382,364. PUBLISHED JANUARY 26, 1937. Class 6.

344,982. COMPOSITION LEATHER. FIBRE LEATHER MANUFACTURING CORPORATION, New Bedford, Mass.
Filed August 27, 1936. Serial No. 382,625. PUBLISHED FEBRUARY 2, 1937. Class 50.

344,983. LAMP REFLECTORS AND LENSES. THOMAS SMITH KELLY, Philadelphia, Pa.
Filed August 29, 1936. Serial No. 382,720. PUBLISHED FEBRUARY 2, 1937. Class 34.

344,984. LADIES' HAND BAGS AND POCKETBOOKS. DU BARRY BAGS INCORPORATED, New York, N. Y.
Filed September 14, 1936. Serial No. 383,209. PUBLISHED FEBRUARY 2, 1937. Class 3.

344,985. MEDICINAL PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT AND OTHER FOOT AILMENTS. CLARK O. FOUNTAINE, Moorestown, N. J.
Filed September 16, 1936. Serial No. 383,416. PUBLISHED FEBRUARY 2, 1937. Class 6.

344,986. HOSIERY AND LADIES' SILK UNDERWEAR. THE PEERTEX CORPORATION, Atlantic City, N. J.
Filed September 19, 1936. Serial No. 383,442. PUBLISHED FEBRUARY 2, 1937. Class 39.

344,987. BOTTLE CAPS AND CLOSURES. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn.
Filed September 21, 1936. Serial No. 383,474. PUBLISHED NOVEMBER 24, 1936. Class 50.

344,988. PREPARATION FOR THE HAIR AND SCALP. ANTHONY E. LAVETT, doing business as Marvolene Company, Los Angeles, Calif.
Filed September 21, 1936. Serial No. 383,499. PUBLISHED JANUARY 26, 1937. Class 6.

344,989. PEANUT BUTTER. JOHN D. JOHNSTON, JR., Brundidge, Ala.
Filed September 23, 1936. Serial No. 383,530. PUBLISHED FEBRUARY 2, 1937. Class 46.

344,990. COLD WATER SOAP POWDER. THE SAVOGRAN COMPANY, Boston, Mass.
Filed September 23, 1936. Serial No. 383,546. PUBLISHED FEBRUARY 2, 1937. Class 4.

344,991. PERIODICAL. INSTITUTIONAL PUBLICATIONS, INC., Chicago, Ill.
Filed September 24, 1936. Serial No. 383,580. PUBLISHED JANUARY 26, 1937. Class 38.

344,992. CLOTHS AND STUFFS OF WOOL—NAMELY, WOOLLEN PIECE GOODS AND BLANKETS. THE SCOTTISH WOOLLEN TRADE MARK ASSOCIATION LIMITED, Edinburgh, Scotland.
Filed September 25, 1936. Serial No. 383,650. PUBLISHED JANUARY 19, 1937. Class 42.

344,993. BEER. THE CHRIST. DIEHL BREWING COMPANY, Defiance, Ohio.
Filed September 28, 1936. Serial No. 383,722. PUBLISHED FEBRUARY 2, 1937. Class 48.

344,994. REAGENT FOR DETERMINING SUGAR IN URINE. SACHSISCHES SERUMWERK, AKTIENGESELLSCHAFT, Dresden, Germany.
Filed September 28, 1936. Serial No. 383,751. PUBLISHED JANUARY 26, 1937. Class 6.

344,995. OINTMENT FOR RELIEF OF ALL FORMS OF INFECTED SKIN SORES, CHAFES, CUTS, AND BRUISES. BENEDICT A. GIUSTI, doing business as International Pharmacy, Yuma, Ariz.
Filed September 30, 1936. Serial No. 383,807. PUBLISHED FEBRUARY 2, 1937. Class 6.

344,996. CARTOONS PUBLISHED IN INSTALLMENTS AT PERIODICAL INTERVALS. CARLILE CRUTCHER, Louisville, Ky.
Filed October 1, 1936. Serial No. 383,836. PUBLISHED FEBRUARY 2, 1937. Class 38.

344,997. BABIES' DIAPER SUSPENDERS. KATIE M. QUINN, doing business as The Kaytees Mfg. Co., Crisfield, Md.
Filed October 3, 1936. Serial No. 383,863. PUBLISHED FEBRUARY 2, 1937. Class 39.

344,998. PREPARATION FOR THE TREATMENT OF HEADACHE. DR. BALLOWITZ & CO. CHEMISCH-PHARMAZ. FABRIK G. M. B. H., Berlin-Pankow, Germany.
Filed October 2, 1936. Serial No. 383,868. PUBLISHED JANUARY 26, 1937. Class 6.

344,999. DETERGENT COMPOUND FOR CLEANSING THE SKIN, FABRICS, AND THE SURFACES OF GLASS, PORCELAIN, METAL, STONE, WOOD (PAINTED OR UNPAINTED), RUBBER, LINOLEUM, AND TILE. PURE SOLVENT CO., INC., New York, N. Y.
Filed October 3, 1936. Serial No. 383,941. PUBLISHED FEBRUARY 2, 1937. Class 4.

345,000. PUBLICATIONS APPERTAINING TO SPORTS, PARTICULARLY TO FOOTBALL, PUBLISHED WEEKLY. BAKER'S FORECASTER, INC., New York, N. Y.
Filed October 5, 1936. Serial No. 383,975. PUBLISHED JANUARY 26, 1937. Class 38.

345,001. SWEETENING TABLETS MADE OF SACCHARIN. OTIS CLAPP & SON, INC., Boston, Mass.
Filed October 5, 1936. Serial No. 383,984. PUBLISHED JANUARY 26, 1937. Class 6.

345,002. SHUT-OFF NOZZLES OF FIRE PROTECTION EQUIPMENT. F. S. & W. W. HIRSCH, Los Angeles, Calif.
Filed October 5, 1936. Serial No. 383,999. PUBLISHED FEBRUARY 2, 1937. Class 13.

345,003. HOUSEHOLD BROOMS AND MOPS. LOCKHART MANUFACTURING CO., Pittsburgh, Pa.
Filed October 6, 1936. Serial No. 384,040. PUBLISHED FEBRUARY 2, 1937. Class 29.

345,004. MEDICINE FOR THE TREATMENT OF COMMON COUGHS, COLDS, HOARSENESS, SORE THROAT, AND MINOR BRONCHITIS. OLD RELIABLE LABORATORIES, INCORPORATED, Ashland, Ky.
Filed October 6, 1936. Serial No. 384,047. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,005. MAGAZINE. WILLIAM GREGG BLANCHARD II, Coral Gables, Fla.
Filed September 21, 1936. Serial No. 384,063. PUBLISHED FEBRUARY 2, 1937. Class 38.

345,006. PORTABLE HAND AND AUTOMATIC FIRE EXTINGUISHERS. ISAAC L. SCHWARTZ, doing business as S. O. S. Fire Extinguishers Company, Philadelphia, Pa.
Filed October 7, 1936. Serial No. 384,099. PUBLISHED FEBRUARY 2, 1937. Class 23.

345,007. AIR CONDITIONERS. SAMUEL SLUTSKY, South Bend, Ind.
Filed October 8, 1936. Serial No. 384,140. PUBLISHED FEBRUARY 2, 1937. Class 34.

345,008. FOOTWEAR AND PARTICULARLY FOR SHOES MADE OF LEATHER, OF FABRIC AND RUBBER, OF LEATHER AND FABRIC, AND OF LEATHER, FABRIC, AND RUBBER. HACK SHOE COMPANY, Detroit, Mich.
Filed October 10, 1936. Serial No. 384,209. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,009. EGG PRESERATIVES (NOT BEING INGREDIENTS IN FOOD). SOZOL (1924) LIMITED, London, England.
Filed October 10, 1936. Serial No. 384,222. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,010. WOMEN'S SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF THOSE MATERIALS. THE STROUSS-HIRSHBERG COMPANY, Youngstown, Ohio.
Filed October 12, 1936. Serial No. 384,273. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,011. MEDICINAL PREPARATION FOR COUGHS DUE TO COLDS OR BRONCHITIS. VINCENZO BOCCELLA, doing business as Viba Company, Philadelphia, Pa.
Filed October 16, 1936. Serial No. 384,404. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,012. MALT BEVERAGE COMPRISING A MIXTURE OF BEER AND ALE. FREE STATE BREWERY CORPORATION, Baltimore, Md.
Filed October 17, 1936. Serial No. 384,455. PUBLISHED FEBRUARY 2, 1937. Class 48.

345,013. MEDICINAL PREPARATION FOR THE TREATMENT OF ASTHMA AND BRONCHITIS. ALBERT H. BINASH, doing business as Albert Laboratories, Chicago, Ill.
Filed October 19, 1936. Serial No. 384,497. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,014. SPORTSWEAR — NAMELY, DRESSES, SKIRTS, BLOUSES, SWEATERS, FOR WOMEN AND MISSES. NATHAN KUSHMAN, doing business as Milan Sportswear Company, New York, N. Y.
Filed October 19, 1936. Serial No. 384,538. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,015. SHOES OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF THOSE MATERIALS. KENNETH ROMIG, Evanston, Ill.
Filed October 19, 1936. Serial No. 384,558. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,016. WHEAT FLOUR. C. H. GUENTHER & SON, INC., doing business as Pioneer Flour Mills, San Antonio, Tex.
Filed October 20, 1936. Serial No. 384,588. PUBLISHED FEBRUARY 2, 1937. Class 46.

345,017. MEDICINAL PREPARATION FOR HEART TROUBLE. METHANTHIN LABORATORIES, Glendale, Calif.
Filed October 20, 1936. Serial No. 384,593. PUBLISHED JANUARY 26, 1937. Class 6.

345,018. FACE CREAMS, CLEANSING CREAMS, FACE POWDERS, CLEANSING EMULSIONS, ESSENTIAL TEXTURE CREAMS, TOILET WATERS, COMPLEXION LOTION. QUALITY PRODUCTS CO., INC., Brooklyn, N. Y.
Filed October 21, 1936. Serial No. 384,630. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,019. OINTMENTS FOR SKIN DISEASES, ECZEMA, BURNS, COLD SORES, POISON IVY, ATHLETE'S FOOT, MASHED FINGERS, CUTS, BRUISES, AND ANY SKIN ABRASIONS; AND SALVES. NU-RO-NO PRODUCTS COMPANY, Warren, Ohio.
Filed October 21, 1936. Serial No. 384,687. PUBLISHED JANUARY 26, 1937. Class 6.

345,020. SHOE HORNS NOT MADE OF PRECIOUS METAL. AMERICAN FINDINGS MANUFACTURING COMPANY, Indianapolis, Ind.
Filed October 20, 1936. Serial No. 384,695. PUBLISHED FEBRUARY 2, 1937. Class 40.

345,021. ALTERATIVE FOOD SUPPLEMENT—A COMPOUND SOLUTION OF IODINE WITH PROTEIN MATERIAL TO MAKE IT NON-IRRITATING AND READILY ASSIMILABLE. TYLER LABORATORIES, INC., New York, N. Y.
Filed October 23, 1936. Serial No. 384,724. PUBLISHED JANUARY 26, 1937. Class 6.

345,022. MEDICINE IN AMPULE FORM FOR INTRAMUSCULAR INJECTION CONTAINING A COMPOUND OF BISMUTH AS ITS ACTIVE PRINCIPLE USED IN THE TREATMENT OF SYPHILIS. ERNST BISCHOFF COMPANY, INCORPORATED, New York, N. Y.
Filed October 24, 1936. Serial No. 384,733. PUBLISHED JANUARY 26, 1937. Class 6.

345,023. COD LIVER OIL EMULSION FOR USE IN FEEDING POULTRY, PIGS, CATTLE, AND LIVESTOCK. FREDERICK C. HERSCHEL, doing business as American Pentosin Company, River Edge, N. J.
Filed October 24, 1936. Serial No. 384,747. PUBLISHED JANUARY 26, 1937. Class 6.

345,024. SHOES, SLIPPERS FOR MEN, WOMEN, AND CHILDREN, MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. JACK SMITH, doing business as Boston Shoe Company, Los Angeles, Calif.
Filed October 24, 1936. Serial No. 384,765. PUBLISHED JANUARY 12, 1937. Class 39.

345,025. STORAGE BATTERIES AND PARTS THEREOF. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio.
Filed October 24, 1936. Serial No. 384,772. PUBLISHED FEBRUARY 2, 1937. Class 21.

345,026. STORAGE BATTERIES AND PARTS THEREOF. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio.
Filed October 24, 1936. Serial No. 384,773. PUBLISHED FEBRUARY 2, 1937. Class 21.

345,027. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS. SCHIAPARELLI, SOCIÉTÉ ANONYME, Paris, France.
Filed October 29, 1936. Serial No. 384,835. PUBLISHED JANUARY 26, 1937. Class 6.

345,028. SHEETS AND PILLOW CASES. CANNON MILLS COMPANY, Kannapolis, N. C.
Filed October 27, 1936. Serial No. 384,842. PUBLISHED DECEMBER 8, 1936. Class 42.

345,029. CIGARS. FRANCISCO SOLAUN GONZALEZ, Habana, Cuba.
Filed October 27, 1936. Serial No. 384,850. PUBLISHED FEBRUARY 2, 1937. Class 17.

345,030. FACE POWDER, PERFUME, SOAPLESS SHAMPOO, COD LIVER OIL SHAMPOO, BATH OIL, ROUGE, LIPSTICK, SKIN PREPARATIONS, FACIAL OIL. DONNA-LO LABORATORIES, INC., St. Louis, Mo.
Filed October 28, 1936. Serial No. 384,887. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,031. MEN'S, WOMEN'S, YOUNG LADIES', AND CHILDREN'S DRESSES, COATS, AND SUITS. FELIX SAFIAN, New York, N. Y.
Filed October 28, 1936. Serial No. 384,907. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,032. HAIR TONICS. CORNELIUS C. VANDERHOOVEN, Asheville, N. C.
Filed October 28, 1936. Serial No. 384,912. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,033. DOILIES, TABLE MATS, TABLE CLOTHS, TABLE SCARFS, TABLE NAPKINS, AND DRESSER SCARFS, COMPOSED OF CELLULOSE SHEETING. RUTH COOLEY, Springfield, Mass.
Filed October 29, 1936. Serial No. 384,921. PUBLISHED JANUARY 26, 1937. Class 37.

345,034. SALVE FOR THE RELIEF OF COUGHS, COLDS, HEADACHES, NEURALGIA, RHEUMATIC OR MUSCULAR PAINS, ETC. RAYO CHEMICAL CORPORATION, doing business as Minute Products Co., Brooklyn, N. Y.
Filed October 29, 1936. Serial No. 384,932. PUBLISHED JANUARY 26, 1937. Class 6.

345,035. MAGAZINE. RIMINGTON PUBLISHING CO., INC., New York, N. Y.
Filed October 29, 1936. Serial No. 384,933. PUBLISHED FEBRUARY 2, 1937. Class 38.

345,036. CHEMICAL COMPOUNDS EMPLOYED AS ANTIOXIDANTS IN THE MANUFACTURE OF VULCANIZED RUBBER ARTICLES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed October 30, 1936. Serial No. 384,971. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,037. ELECTRIC GRILL. FRANK C. WILSON, Bloomington, Ill., assignor to Servrite Mfg. Co., Bloomington, Ill.
Filed October 31, 1936. Serial No. 385,019. PUBLISHED FEBRUARY 2, 1937. Class 21.

345,038. SMOKED MEATS—NAMELY, BACON. AGAR PACKING & PROVISION CORPORATION, Chicago, Ill.
Filed November 2, 1936. Serial No. 385,022. PUBLISHED FEBRUARY 2, 1937. Class 46.

345,039. COLD CREAM, TISSUE CREAM, AND FACE CREAM. SOPHIE DADAS, doing business as Mrs. Drosiou, Milwaukee, Wis.
Filed October 29, 1936. Serial No. 385,118. PUBLISHED JANUARY 26, 1937. Class 6.

345,040. MULTI-COLORED POST-CARDS AND PICTORIAL ILLUSTRATIONS. CURT TEICH & COMPANY, INC., Chicago, Ill.
Filed November 4, 1936. Serial No. 385,135. PUBLISHED FEBRUARY 2, 1937. Class 38.

345,041. MULTI-COLORED POST-CARDS AND PICTORIAL ILLUSTRATIONS. CURT TEICH & COMPANY, INC., Chicago, Ill.
Filed November 4, 1936. Serial No. 385,137. PUBLISHED FEBRUARY 2, 1937. Class 38.

345,042. RICE. THE INTERSTATE RICE SALES CO., INC., Crowley, La.
Filed November 4, 1936. Serial No. 385,143. PUBLISHED FEBRUARY 2, 1937. Class 46.

345,043. ELASTIC FABRICS COMPRISING, IN WHOLE OR IN PART, ELASTIC THREADS FORMED FROM RUBBER, RUBBER LATEX, AND THE LIKE, EITHER COVERED OR UNCOVERED. FILATEX CORPORATION, New York, N. Y.
Filed November 5, 1936. Serial No. 385,182. PUBLISHED FEBRUARY 2, 1937. Class 42.

345,044. CHEMICAL COMPOUNDS FOR IMPREGNATING AND COATING YARNS, FABRICS, AND PAPERS FOR IMPROVING THE FEEL, APPEARANCE, AND DURABILITY THEREOF. SYLVANIC COMPANY, INC., New York, N. Y.
Filed November 5, 1936. Serial No. 385,203. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,045. MEN'S AND BOYS' TROUSERS, PANTS, KNEE-PANTS, KNICKERBOCKERS, TRUNKS, SHORTS, AND SUITS. BUFFALO FAULTLESS PANTS CO. INC., Buffalo, N. Y.
Filed November 6, 1936. Serial No. 385,210. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,046. RAZOR STROP DRESSING FOR USE IN HONING OR SHARPENING RAZORS. GEORGE W. EBY, doing business as Strap E Z Manufacturing Co., Fort Wayne, Ind.
Filed November 6, 1936. Serial No. 385,218. PUBLISHED FEBRUARY 2, 1937. Class 4.

345,047. SHOES PRINCIPALLY OF LEATHER, SHOES PRINCIPALLY OF FABRIC, AND SHOES OF A COMBINATION OF LEATHER AND FABRIC. D. ARMSTRONG & COMPANY, INC., Rochester, N. Y.
Filed November 7, 1936. Serial No. 385,245. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,048. ANTISEPTIC AND GERMICIDES. E. R. SQUIBB & SONS, New York, N. Y.
Filed November 7, 1936. Serial No. 385,269. PUBLISHED JANUARY 26, 1937. Class 6.

345,049. MOSQUITO LARVACIDE FOR USE IN KILLING MOSQUITOES. ENDOWMENT FOUNDATION, New Brunswick, N. J.
Filed November 9, 1936. Serial No. 385,282. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,050. SPECIALLY PROCESSED HONEY. THE A. I. ROOT COMPANY, Medina, Ohio.
Filed November 9, 1936. Serial No. 385,306. PUBLISHED FEBRUARY 2, 1937. Class 46.

345,051. FACIAL TISSUE. WILCO DRUG, INC., Brooklyn, N. Y.
Filed November 9, 1936. Serial No. 385,323. PUBLISHED FEBRUARY 2, 1937. Class 37.

345,052. RAZORS AND RAZOR BLADES. INTERNATIONAL SAFETY RAZOR CORP., Bloomfield, N. J.
Filed November 11, 1936. Serial No. 385,407. PUBLISHED FEBRUARY 2, 1937. Class 23.

345,053. CHEMICAL PREPARATION FOR REMOVING LIGHT SCALE, RUST, GREASE, AND OTHER FOREIGN MATTER FROM THE SURFACE OF METAL TO CONDITION SUCH SURFACE FOR SUBSEQUENT TINNING OR SOLDERING OPERATIONS. HOWARD R. NEILSON, doing business as Neilson Chemical Company, Detroit, Mich.
Filed November 11, 1936. Serial No. 385,421. PUBLISHED JANUARY 26, 1937. Class 6.

345,054. ABRADING, GRINDING, AND LAPPING MACHINES SUCH AS CRANKSHAFT LAPPING MACHINES. NORTON COMPANY, Worcester, Mass.
Filed November 11, 1936. Serial No. 385,423. PUBLISHED FEBRUARY 2, 1937. Class 23.

345,055. RAZOR BLADE SHARPENERS. SHARPO SPECIALTIES COMPANY, Dayton, Ohio.
Filed November 11, 1936. Serial No. 385,427. PUBLISHED FEBRUARY 2, 1937. Class 23.

345,056. BOTTLED OR PACKAGED GAS FOR HEATING AND COOKING PURPOSES. VAPYRE CORPORATION, Brewster, N. Y.
Filed November 11, 1936. Serial No. 385,429. PUBLISHED JANUARY 26, 1937. Class 6.

345,057. CANNED CITRUS FRUITS AND CANNED CITRUS JUICES FOR FOOD PURPOSES. FLORIDAGOLD CITRUS CORPORATION, Lake Alfred, Fla.
Filed November 12, 1936. Serial No. 385,437. PUBLISHED FEBRUARY 2, 1937. Class 46.

345,058. CANNED PINEAPPLE. HAVANA PINEAPPLE COMPANY, S. A., Habana, Cuba.
Filed November 12, 1936. Serial No. 385,439. PUBLISHED FEBRUARY 2, 1937. Class 46.

345,059. CAPSULES WHICH CONTAIN THE NATURAL CONCENTRATE OF VITAMIN E USED AS A THERAPEUTIC. PHOENIX-POWERS CO., Camden, N. J.
Filed November 12, 1936. Serial No. 385,449. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,060. INSTANTANEOUS AUTOMATIC GAS WATER HEATERS. UNION COIL & MANUFACTURING CO., Pittsburgh, Pa.
Filed November 12, 1936. Serial No. 385,455. PUBLISHED FEBRUARY 2, 1937. Class 34.

345,061. SHAVING CREAM AND SHAVING SOAP. H. KIRK WHITE & CO., Oconomowoc, Wis.
Filed November 12, 1936. Serial No. 385,458. PUBLISHED FEBRUARY 2, 1937. Class 4.

345,062. PERIODICAL. WHITMORE & SMITH, BOOK AGENTS, PUBLISHING HOUSE, M. E. CHURCH, SOUTH, Nashville, Tenn., Dallas, Tex., and Richmond, Va.
Filed November 12, 1936. Serial No. 385,460. PUBLISHED FEBRUARY 2, 1937. Class 38.

345,063. LIQUID, WAXY SUBSTANCE USED AS A PLASTICIZER AND SOFTENING AGENT FOR PLASTIC MATERIALS SUCH AS RUBBER, NITROCELLULOSE, CELLULOSE ACETATE, ETC. HERCULES POWDER COMPANY, Wilmington, Del.
Filed November 14, 1936. Serial No. 385,519. PUBLISHED JANUARY 26, 1937. Class 6.

345,064. PREPARATIONS FOR USE IN FEMININE HYGIENE IN POWDER, JELLY, AND SUPPOSITORY FORM. BYRON A. KREBS, doing business as San Francisco Pharmacal Co., San Francisco, Calif.
Filed November 14, 1936. Serial No. 385,522. PUBLISHED JANUARY 26, 1937. Class 6.

345,065. COUGH SYRUP. NORTHWEST LABORATORIES, Davenport, Iowa.
Filed November 14, 1936. Serial No. 385,535. PUBLISHED JANUARY 26, 1937. Class 6.

345,066. CONDENSERS, COILS, INDUCTANCES, TRANSFORMERS, AND THE LIKE FOR RADIO RECEIVING AND SENDING APPARATUS. F. W. SICKLES COMPANY, Springfield, Mass.
Filed November 14, 1936. Serial No. 385,540. PUBLISHED FEBRUARY 2, 1937. Class 21.

345,067. RECTAL SUPPOSITORIES. MEYER S. GLAUSER, doing business as Acnesolv Laboratories, Philadelphia, Pa.
Filed November 14, 1936. Serial No. 385,545. PUBLISHED JANUARY 26, 1937. Class 6.

345,068. MEDICINAL PREPARATION OF THE ANTERIOR PITUITARY-LIKE GONADOTROPIC HORMONE USED IN THE TREATMENT OF HYPOGENITALISM. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed November 16, 1936. Serial No. 385,553. PUBLISHED JANUARY 26, 1937. Class 6.

345,069. PHOTO DEVELOPERS. CARUS CHEMICAL CO., INC., La Salle, Ill.
Filed November 16, 1936. Serial No. 385,556. PUBLISHED JANUARY 26, 1937. Class 6.

345,070. PHOTO DEVELOPERS. CARUS CHEMICAL CO., INC., La Salle, Ill.
Filed November 16, 1936. Serial No. 385,557. PUBLISHED JANUARY 26, 1937. Class 6.

345,071. MEN'S PAJAMAS, OUTER SHIRTS, AND UNDERWEAR, NIGHTSHIRTS. FRACKVILLE M'FG. COMPANY, INC., New York, N. Y.
Filed November 16, 1936. Serial No. 385,572. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,072. RIBBONS. JEAN M. LANGENIEUX, New York, N. Y.
Filed November 16, 1936. Serial No. 385,588. PUBLISHED FEBRUARY 2, 1937. Class 42.

345,073. FABRICS IN THE PIECE MADE OF FLAX, JUTE, OR COTTON, OR COMBINATIONS THEREOF. MILFORD TEXTILE CORPORATION, Milford, N. H.
Filed November 16, 1936. Serial No. 385,595. PUBLISHED FEBRUARY 2, 1937. Class 42.

345,074. INSECT SPRAY, BLEACHING POWDER, INSECT POWDER, AND DISINFECTANT. CHARLES MOSS, doing business as Mosscony Brand, New York, N. Y.
Filed November 16, 1936. Serial No. 385,596. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,075. DOG FOOD. VITA-FRESH DOG FOOD CORP., Long Island City, N. Y.
Filed November 16, 1936. Serial No. 385,613. PUBLISHED FEBRUARY 2, 1937. Class 46.

345,076. COMPOUND FOR KEEPING WINDSHIELDS CLEAR OF ICE, SNOW, AND VAPORS. VIZ CORPORATION OF AMERICA, Norwalk, Conn.
Filed November 16, 1936. Serial No. 385,614. PUBLISHED FEBRUARY 2, 1937. Class 4.

345,077. PAPER ENVELOPES. THE AMERICAN ENVELOPE CO., West Carrollton, Ohio.
Filed November 16, 1936. Serial No. 385,619. PUBLISHED FEBRUARY 2, 1937. Class 37.

345,078. REFRIGERATED BUTTERMILK DISPENSER AND PARTS THEREOF. BUTTERMILK DISPENSERS, San Francisco, Calif.
Filed November 17, 1936. Serial No. 385,622. PUBLISHED FEBRUARY 2, 1937. Class 31.

345,079. LEATHER DRESSING WHICH RESTORES THE LUSTRE OF THE LEATHER. WOOLMAN AND ROBLES, New York, N. Y.
Filed November 17, 1936. Serial No. 385,656. PUBLISHED FEBRUARY 2, 1937. Class 4.

345,080. ADDRESSING MACHINES, AND STENCIL PRINTING APPARATUS AND ATTACHMENTS THEREFOR, AND PRINTING DEVICES FOR USE THEREWITH. THE ELLIOTT ADDRESSING MACHINE COMPANY, Cambridge, Mass.
Filed November 18, 1936. Serial No. 385,664. PUBLISHED FEBRUARY 2, 1937. Class 23.

345,081. ADDRESSING MACHINES, AND STENCIL PRINTING APPARATUS AND ATTACHMENTS THEREFOR, AND PRINTING DEVICES FOR USE THEREWITH. THE ELLIOTT ADDRESSING MACHINE COMPANY, Cambridge, Mass.
Filed November 18, 1936. Serial No. 385,665. PUBLISHED FEBRUARY 2, 1937. Class 23.

345,082. PREPARATIONS USED IN AND FOR THE TREATMENT AND TO RELIEVE THE IRRITATION AND PAIN OF BUNIONS, BURNS, CHAFED SKIN, CHAPPED SKIN, HEMORRHOIDS, INSECT BITES, PILES, SCRATCHES, TIRED FEET, AND OTHER FURUNCULAR AND INFLAMMATORY CONDITIONS. THE KNOX COMPANY, Los Angeles, Calif.
Filed November 18, 1936. Serial No. 385,692. PUBLISHED JANUARY 26, 1937. Class 6.

345,083. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, ETC. PARFUMERIE ST. DENIS, New York, N. Y.
Filed November 18, 1936. Serial No. 385,697. PUBLISHED JANUARY 26, 1937. Class 6.

345,084. COLD CAPSULES. LYNN G. ALBEE, doing business as Zoe Pharmacal Company, Painesville, Ohio.
Filed November 19, 1936. Serial No. 385,716. PUBLISHED JANUARY 26, 1937. Class 6.

345,085. LYE. BOYER CHEMICAL LABORATORY CO., INC., also doing business as Boyer Chemical Works, Chicago, Ill.
Filed November 19, 1936. Serial No. 385,721. PUBLISHED JANUARY 26, 1937. Class 6.

345,086. CORSETS, GIRDLES, BRASSIÈRES, COMBINATION CORSETS AND BRASSIÈRES, STEP-IN CORSETS, PANTIES, AND BATHING SUITS. THE H. W. GOSSARD CO., Chicago, Ill.
Filed November 19, 1936. Serial No. 385,731. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,087. BISMUTH OXYIODO-GALLATE, A POWDER FOR USE IN TREATING WOUNDS, AND FOR HEMORRHOIDAL SUPPOSITORIES. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed November 19, 1936. Serial No. 385,733. PUBLISHED JANUARY 26, 1937. Class 6.

345,088. MEDICINAL PREPARATIONS FOR THE RELIEF OF ASTHMA AND OTHER AILMENTS OF THE RESPIRATORY ORGANS. NATHAN B. RAICH, doing business as Azmide Co., Philadelphia, Pa.
Filed November 19, 1936. Serial No. 385,749. PUBLISHED JANUARY 26, 1937. Class 6.

345,089. NEWSPAPER COLUMN. TIME, INCORPORATED, New York, N. Y.
Filed November 19, 1936. Serial No. 385,757. PUBLISHED FEBRUARY 2, 1937. Class 38.

345,090. SMOKING AND CHEWING TOBACCO, CIGARS AND CIGARETTES. GEORGE W. ZIMMERMAN, Allentown, Pa., assignor to G. W. Zimmerman, Inc., a corporation of Ohio.
Filed November 19, 1936. Serial No. 385,766. PUBLISHED FEBRUARY 2, 1937. Class 17.

345,091. WOMEN'S WEARING APPAREL—NAMELY, COATS AND SUITS. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio.
Filed November 20, 1936. Serial No. 385,801. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,092. COLUMN FOR ARTICLES OR WRITINGS PUBLISHED IN ITS DAILY NEWSPAPER, THE PHILADELPHIA RECORD. PHILADELPHIA RECORD COMPANY, Philadelphia, Pa.
Filed November 20, 1936. Serial No. 385,802. PUBLISHED FEBRUARY 2, 1937. Class 38.

345,093. WALL PAPER. LOUISVILLE WALL PAPER CO. INC., Louisville, Ky.
Filed November 21, 1936. Serial No. 385,850. PUBLISHED FEBRUARY 2, 1937. Class 37.

345,094. ANTIACID EFFERVESCENT PREPARATION. MILES LABORATORIES, INC., Elkhart, Ind.
Filed November 23, 1936. Serial No. 385,895. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,095. FLAT GLASS. BLUE RIDGE GLASS CORPORATION, Kingsport, Tenn.
Filed November 23, 1936. Serial No. 385,876. PUBLISHED FEBRUARY 2, 1937. Class 33.

345,096. ADHESIVE DENTURE POWDER. FORT ORANGE CHEMICAL CO., INC., Albany, N. Y.
Filed November 24, 1936. Serial No. 385,921. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,097. COTTON SEED. SUMMEROUR AND SMITH, doing business as Shur-make Half & Half Co., Vernon, Tex., and Elk City, Okla.
Filed November 24, 1936. Serial No. 385,951. PUBLISHED FEBRUARY 2, 1937. Class 1.

345,098. FACE CREAMS. CLARA FURMAN, Brooklyn, N. Y.
Filed November 25, 1936. Serial No. 385,979. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,099. CIGARETTES. HANFF-METZGER, INC., New York, N. Y.
Filed November 25, 1936. Serial No. 385,981. PUBLISHED FEBRUARY 2, 1937. Class 17.

345,100. MEN'S SHORTS. W. T. GRANT COMPANY, New York, N. Y.
Filed November 27, 1936. Serial No. 386,025. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,101. FOOD COLORS. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y.
Filed November 27, 1936. Serial No. 386,028. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,102. SLIPS. INDUSTRIAL UNDERGARMENT CORPORATION, Poughkeepsie, N. Y.
Filed November 27, 1936. Serial No. 386,030. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,103. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. THE JUVENILE SHOE CORPORATION OF AMERICA, Aurora and St. Louis, Mo.
Filed November 27, 1936. Serial No. 386,031. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,104. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, ETC. PARFUMERIE ST. DENIS, New York, N. Y.
Filed November 27, 1936. Serial No. 386,042. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,105. SHOES MADE OF LEATHER, FABRIC, OR A COMBINATION OF LEATHER AND FABRIC. PASADENA SLIPPER COMPANY, INC., Pasadena, Calif.
Filed November 27, 1936. Serial No. 386,044. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,106. PREPARATION FOR EXTERNAL USE AS A DRESSING IN SURGERY CUTS, LACERATIONS, AND BRUISES. CHARLES A. THAYER, doing business as The Thayer Chemical Co., Topeka, Kans.
Filed November 27, 1936. Serial No. 386,053. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,107. GASOLINE OPERATED COOKING STOVES. AMERICAN GAS MACHINE COMPANY, Albert Lea, Minn.
Filed November 30, 1936. Serial No. 386,091. PUBLISHED FEBRUARY 2, 1937. Class 34.

345,108. CANDY. WALTER H. JOHNSON CANDY COMPANY, Chicago, Ill.
Filed November 30, 1936. Serial No. 386,114. PUBLISHED FEBRUARY 2, 1937. Class 46.

345,109. SECTIONS OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed November 30, 1936. Serial No. 386,131. PUBLISHED FEBRUARY 2, 1937. Class 38.

345,110. SECTIONS OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed November 30, 1936. Serial No. 386,132. PUBLISHED FEBRUARY 2, 1937. Class 38.

345,111. SWEAT SHIRTS, POLO SHIRTS, JACKETS, UNDERSHIRTS, OUTERSHIRTS, PLAY SUITS, SWEATERS, BEACH ROBES, SLACKS, SHORTS, BEACH HALTERS, AND BEACH OVERALLS FOR MEN, WOMEN, AND CHILDREN. NORWICH KNITTING COMPANY, Norwich, N. Y.
Filed December 1, 1936. Serial No. 386,167. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,112. SHAVING CREAM, SHAVING SOAP, AND TOILET SOAP. SAKS & COMPANY, New York, N. Y.
Filed December 1, 1936. Serial No. 386,172. PUBLISHED FEBRUARY 2, 1937. Class 4.

345,113. SAFETY RAZOR BLADES. COLTON RAZOR BLADE COMPANY, Boston, Mass.
Filed December 3, 1936. Serial No. 386,243. PUBLISHED FEBRUARY 2, 1937. Class 23.

345,114. TIRES COMPOSED WHOLLY OR PRINCIPALLY OF RUBBER. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed December 3, 1936. Serial No. 386,251. PUBLISHED FEBRUARY 2, 1937. Class 35.

345,115. TIRES COMPOSED WHOLLY OR PRINCIPALLY OF RUBBER. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed December 3, 1936. Serial No. 386,252. PUBLISHED FEBRUARY 2, 1937. Class 35.

345,116. PAJAMAS FOR WOMEN. HOLEPROOF HOSIERY CO., Milwaukee, Wis.
Filed December 3, 1936. Serial No. 386,256. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,117. PAJAMAS FOR WOMEN. HOLEPROOF HOSIERY CO., Milwaukee, Wis.
Filed December 3, 1936. Serial No. 386,257. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,118. BOYS' AND YOUNG MEN'S TROUSERS, SHORTS, KNICKERS, AND SUITS. MAX MATUSOW, doing business as The Matusow Mfg. Co., Philadelphia, Pa.
Filed December 4, 1936. Serial No. 386,313. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,119. PIANOS. WINTER AND COMPANY, New York, N. Y.
Filed December 4, 1936. Serial No. 386,324. PUBLISHED FEBRUARY 2, 1937. Class 36.

345,120. PIANOS. WINTER AND COMPANY, New York, N. Y.
Filed December 4, 1936. Serial No. 386,325. PUBLISHED FEBRUARY 2, 1937. Class 36.

345,121. SPRAYERS. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed December 5, 1936. Serial No. 386,384. PUBLISHED FEBRUARY 2, 1937. Class 23.

345,122. RADIO RECEIVING SETS AND PARTS. AUTOMATIC RADIO MANUFACTURING CO., INC., Boston, Mass.
Filed December 7, 1936. Serial No. 386,397. PUBLISHED FEBRUARY 2, 1937. Class 21.

345,123. SAFETY RAZOR BLADES. COLTON RAZOR BLADE COMPANY, Boston, Mass.
Filed December 7, 1936. Serial No. 386,407. PUBLISHED FEBRUARY 2, 1937. Class 23.

345,124. SAFETY RAZOR BLADES. COLTON RAZOR BLADE COMPANY, Boston, Mass.
Filed December 7, 1936. Serial No. 386,410. PUBLISHED FEBRUARY 2, 1937. Class 23.

345,125. FRESH CITRUS FRUITS. EDINBURG CITRUS ASSOCIATION, Edinburg, Tex.
Filed December 7, 1936. Serial No. 386,418. PUBLISHED FEBRUARY 2, 1937. Class 46.

345,126. FRESH VEGETABLES, CANTALOUPES, AND HONEYDEW MELONS. FRED G. HILVERT CO., INC., Phoenix, Ariz.
Filed December 7, 1936. Serial No. 386,425. PUBLISHED FEBRUARY 2, 1937. Class 46.

345,127. HYGIENIC SOAP. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill.
Filed December 7, 1936. Serial No. 386,440. PUBLISHED FEBRUARY 2, 1937. Class 4.

345,128. RAZOR BLADES AND POCKET KNIVES FOR PERSONAL USE. DANIEL H. RIDER, doing business as Gay Blade Co., New York, N. Y.
Filed December 7, 1936. Serial No. 386,445. PUBLISHED FEBRUARY 2, 1937. Class 23.

345,129. CARPET CLEANING COMPOUND, METAL POLISH, AND SHOE CLEANER AND POLISH. WIZARD, INC., Chicago, Ill.
Filed November 30, 1936. Serial No. 386,468. PUBLISHED FEBRUARY 2, 1937. Class 4.

345,130. PAINT DRIERS, VARNISH DRIERS, ENAMEL DRIERS, LACQUER DRIERS. NUODEX PRODUCTS CO., INC., Elizabeth, N. J.
Filed December 8, 1936. Serial No. 386,494. PUBLISHED FEBRUARY 2, 1937. Class 16.

345,131. MACHINES FOR MAKING FROZEN CONFECTIONS. SNO CREME FREEZER CORPORATION, Seattle, Wash.
Filed December 8, 1936. Serial No. 386,503. PUBLISHED FEBRUARY 2, 1937. Class 31.

345,132. ALKALINE CLEANING COMPOUND, IN POWDERED FORM, FOR CLEANING METALLIC CONTAINERS. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed December 9, 1936. Serial No. 386,534. PUBLISHED FEBRUARY 2, 1937. Class 4.

345,133. MEN'S NECKTIES AND MUFFLERS. MCCURRACH ORGANIZATION INCORPORATED, New York, N. Y.
Filed December 9, 1936. Serial No. 386,547. PUBLISHED FEBRUARY 2, 1937. Class 39.

345,134. DISPENSERS AND DISPENSER CLOSURES FOR SUGAR, CATSUP, MUSTARD, SALT, AND PEPPER; DISPENSERS FOR CREAM, BUTTER, BUTTER CHIPS, AND TOAST AND WAFFLE COVERS. IMPERIAL MOLDED PRODUCTS CORPORATION, Chicago, Ill.
Filed December 12, 1936. Serial No. 386,680. PUBLISHED FEBRUARY 2, 1937. Class 2.

345,135. BEER. PILSER BREWING COMPANY, INC., New York, N. Y.
Filed December 15, 1936. Serial No. 386,774. PUBLISHED FEBRUARY 2, 1937. Class 48.

345,136. CLOCKS. UNITED CHROMIUM, INCORPORATED, New York, N. Y., and Waterbury, Conn.
Filed December 16, 1936. Serial No. 386,823. PUBLISHED FEBRUARY 2, 1937. Class 27.

345,137. OIL CANS. UNITED CHROMIUM, INCORPORATED, New York, N. Y., and Waterbury, Conn.
Filed December 16, 1936. Serial No. 386,825. PUBLISHED FEBRUARY 2, 1937. Class 2.

345,138. LETTER AND ALPHABET CARDS ASSEMBLED IN DECK FORM AND USABLE BY A PLURALITY OF PARTICIPANTS AS AN EDUCATIONAL WORD GAME. PHILIP CASTAGNA, doing business as Option Card Company, Philadelphia, Pa.
Filed December 18, 1936. Serial No. 386,885. PUBLISHED FEBRUARY 2, 1937. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

345,139. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. R. ROACH & COMPANY, Grand Rapids, Mich. Filed Feb. 26, 1937. Serial No. 389,435.

CADILLAC

Applicant is the owner of Trade-Mark Registration No. 78,277.
For Canned Fruits and Canned Vegetables.
Claims use since 1909.

345,140. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STONEKIRK WORSTED COMPANY, New York, N. Y. Filed Jan. 27, 1937. Serial No. 388,247.

HUNTINGTON

For Woolen Goods in the Piece.
Claims use since Mar. 1, 1933.

345,141. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOWSE, MEAD & SONS, INC., New York, N. Y. Filed Jan. 15, 1937. Serial No. 387,829.

"INDIA TWIST"

For Worsted Piece Goods.
Claims use since Jan. 2, 1936.

345,142. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HAMMOND HARDY, doing business as The Duborel Laboratories, Detroit, Mich. Filed Jan. 4, 1937. Serial No. 387,436.

POCKET-PAK

For Dental Surgical Dressing.
Claims use since Nov. 1, 1934.

345,143. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GROCERY PRODUCTS MANUFACTURING CORPORATION, doing business as Kennett Canning Co., New York, N. Y., and Kennett Square, Pa. Filed Dec. 24, 1936. Serial No. 387,123.

CHESTER COUNTY

For Canned Mushroom Broth.
Claims use since 1926.

345,144. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HERTZ AND TUBELL, New York, N. Y. Filed Dec. 17, 1936. Serial No. 386,860.

NO-SEW

For Emblems and Insignia Made of Felt and/or Other Textiles.
Claims use since Aug. 10, 1933.

345,145. (CLASS 47. WINES.) JOSEPH SPATOLA, SR., doing business as Spatola Importing Company, Philadelphia, Pa. Filed Dec. 14, 1936. Serial No. 386,747.

Spatola

For Wine.
Claims use since March, 1934.

345,146. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE ADDISON HADLEY, doing business as Pavis Chemical and Mfg. Co., Kansas City, Mo. Filed October 19, 1936. Serial No. 384,532.

PAVIS

For Selective Germicide for Use in Treatment of Pathological Tissue and the Blood.
Claims use since 1933.

345,147. (CLASS 39. CLOTHING.) ISRAEL GREENGRASS, New York, N. Y. Filed Sept. 9, 1936. Serial No. 383,058.

WIL-WARE

FROCK

For Women's Clothing, Comprising Dresses, Aprons, Smocks, and Hooverettes.
Claims use since Feb. 1, 1933.

345,148. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RATH PACKING COMPANY, Waterloo, Iowa. Filed Aug. 28, 1936. Serial No. 382,678.

TEND'R MILD

For Ham.
Claims use since Feb. 12, 1936.

345,149. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ULTRA CHEMICAL WORKS, INC., Paterson, N. J. Filed Aug. 11, 1936. Serial No. 382,187.

ULTRAGLOSS

For Wax Polishes, Waxes, and Finishes for Furniture, Floors, Linoleums, and Other Surfaces.
Claims use since July, 1935.

345,150. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHARD C. JACKMAN, doing business as The Barbara King Company, Lawrence, Kans. Filed May 4, 1936. Serial No. 378,024.

BARBARA KING

For Prepared Cake and Cookie Flour and Cookies.
Claims use since Mar. 2, 1936.

345,151. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOURJOIS, INC., New York, N. Y. Filed Apr. 15, 1936. Serial No. 377,209.

MANSFIELD

For After-Shave Lotion and Toilet Powder.
Claims use since Feb. 14, 1936.

345,152. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FORD HOPKINS COMPANY, also doing business as Dr. Boles Laboratories, Chicago, Ill. Filed Mar. 25, 1936. Serial No. 376,386.

Dr. Bole's

For Borated Talcum Powder.
Claims use since Feb. 18, 1936.

345,153. (CLASS 37. PAPER AND STATIONERY.) INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 20, 1936. Serial No. 376,212.

Ruxton

For Absorbent Face Cleansing Sheets Made of Paper.
Claims use since Feb. 28, 1936.

345,154. (CLASS 37. PAPER AND STATIONERY.) INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 20, 1936. Serial No. 376,211.

Henly

For Absorbent Face Cleansing Sheets Made of Paper.
Claims use since Feb. 28, 1936.

345,155. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HEINRICH HERMANN & WEISS, New York, N. Y. Filed Mar. 3, 1936. Serial No. 375,509.

SNUGPACK

For Suitcases, Hat Boxes for Luggage Purposes, Wardrobe Hand Luggage, and Both Empty and Filled Toilet Kits.
Claims use since Feb. 7, 1936.

345,156. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Mar. 2, 1936. Serial No. 375,459.

FIBERGLAS

For Inorganic Material in a Fibrous Condition or in the Form of a Loose Mass of Filaments or Fibers.
Claims use since Jan. 12, 1936.

345,157. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Feb. 25, 1936. Serial No. 375,213.

Santa Fe

For Cotton Piece Goods—Namely, Cotton Duck.
Claims use since January, 1936.

345,158. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) OTTO ENGINEERING CO. INC., Milwaukee, Wis. Filed Feb. 14, 1936. Serial No. 374,956.

Pressure-Jet

For Chemical Compound Injectors for Steam Heating Systems.
Claims use since Oct. 17, 1935.

345,159. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COMFORT MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 1, 1935. Serial No. 369,880.

PER-BRETH

For Tooth Powder, Mouth Washes, Dentifrices, Tooth Pastes, Dental Gum, Soda Mint Tablets and Medicinal Tablets for Purifying the Breath.
Claims use since Sept. 4, 1935.

345,160. (CLASS 27. HOROLOGICAL INSTRUMENTS.) WESTERN CLOCK COMPANY, Peru, Ill. Filed Aug. 31, 1935. Serial No. 368,913.

Table

For Clocks and Watches.
Claims use since Aug. 28, 1935.

345,161. (CLASS 12. CONSTRUCTION MATERIALS.) THE GLIDDEN COMPANY, Cleveland, Ohio. Filed July 20, 1935. Serial No. 367,503.

No-Glare

For Black Composition for Coloring Concrete.
Claims use since June 19, 1935.

345,162. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE PETERS CARTRIDGE COMPANY, Kings Mills, Ohio, assignor, by mesne assignments, to Remington Arms Company, Inc., a corporation of Delaware. Filed Mar. 15, 1934. Serial No. 348,659.

FILMKOTE

For Cartridges.
Claims use since Feb. 8, 1934.

345,163. (CLASS 39. CLOTHING.) HAYMARKET CLOTHING COMPANY, Boston, Mass. Filed Dec. 4, 1930. Serial No. 308,586.



For Men's and Women's Uniforms of All Types and of Various Materials Including Knitted Cloth; Men's and Women's Overcoats and Topcoats Made of Woven Fabric Only; and Outer Shirts Except Those Made of Knitted Fabric.
Claims use since November, 1926.

TRADE-MARK REGISTRATIONS RENEWED

115,832. TOOTH-PASTE. Registered March 6, 1917. WRIGLEY & COMPANY, Philadelphia, Pa. Renewed March 6, 1937, to Wrigley Pharmaceutical Co., Atlantic City, N. J., a corporation of Delaware, assignee by mesne assignments.

115,878. HAIR-OIL. Registered March 20, 1917. MADAM'S BUFORD & OWENS, Oklahoma City, Okla., a firm. Renewed March 20, 1937.

116,541. BREAKFAST-BACON. Registered May 8, 1917. JOHN MORRELL & Co., Ottumwa, Iowa, a corporation of Maine. Renewed May 8, 1937.

116,564. CHOCOLATES. Registered May 8, 1917. SWEET CANDY Co., Salt Lake City, Utah, a corporation of Utah. Renewed May 8, 1937.

117,074. CREAMERY-BUTTER. Registered June 12, 1917. YORKSHIRE CREAMERY Co. Renewed June 12, 1937, to John Morrell & Co., Ottumwa, Iowa, a corporation of Maine, assignee.

117,381. PETROLEUM PRODUCTS CONSISTING OF LUBRICATING OILS AND GREASES, KEROSENE, GASOLENE, BENZIN, NAPHTHA, AND BURNING-OILS. Registered July 3, 1917. TIDE WATER OIL COMPANY. Renewed July 3, 1937, to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

117,667. MARSHMALLOWS. Registered July 24, 1917. IMPERIAL CANDY COMPANY, Milwaukee, Wis. Renewed July 24, 1937, to Angelus-Campfire Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

117,801. WOOLEN GOODS IN THE PIECE. Registered July 31, 1917. WORUMBO MANUFACTURING COMPANY, Lisbon Falls, Maine, a corporation of Maine. Renewed July 31, 1937.

117,994. ELECTROLYTIC OXYGEN. Registered August 14, 1917. THE BURDETT OXYGEN COMPANY, Denver, Colo. Renewed August 14, 1937, to Oxweld Acetylene Company, New York, N. Y., a corporation of West Virginia, assignee by mesne assignments.

118,096. A MEDICINAL TONIC AND NUTRIENT EMPLOYED IN THE TREATMENT OF CERTAIN NAMED DISEASES. Registered August 14, 1917. EARL I. RUNNER. Renewed August 14, 1937, to E. I. Runner Co., Inc., Wheeling, W. Va., a corporation of West Virginia, successor.

118,201. HOSIERY-YARNS. Registered August 21, 1917. KING COTTON MILLS CORPORATION, Richmond, Va., a corporation of Virginia. Renewed August 21, 1937.

118,209. A MECHANICAL DEVICE USED AS AN AID TO HEARING. Registered August 21, 1917. E. B. MEYROWITZ, INC., New York, N. Y., a corporation of New York. Renewed August 21, 1937.

118,298. CORE-BLACKING. Registered August 28, 1917. THE HILL & GRIFFITH COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed August 28, 1937.

118,299. SPELTER, SHEET-ZINC, ZINC OXID, AND COPPER INGOTS. Registered August 28, 1917. ILLINOIS ZINC COMPANY, Peru, Ill. Renewed August 28, 1937, to Illinois Zinc Company, Chicago, Ill., a corporation of Illinois.

118,395. COFFEE, TEA, AND COCOA. Registered September 4, 1917. EDMANDS COFFEE COMPANY, Boston and Worcester, Mass., and Detroit, Mich. Renewed September 4, 1937, to Edmands Coffee Company, Boston, Mass., a corporation of Massachusetts.

LABELS

REGISTERED APRIL 13, 1937

49,187.—*Title:* ADA MILLING COMPANY CORN MEAL; (LARGE FLORAL PATTERN WITH PINK BACKGROUND). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published February 1, 1937.

49,188.—*Title:* ADA MILLING COMPANY CORN MEAL; (SQUARE BLOCKS SET ON LAVENDER BACKGROUND). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published February 1, 1937.

49,189.—*Title:* ADA MILLING COMPANY CORN MEAL; (SMALL FLOWERS SCATTERED ON BLUE BACKGROUND). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published February 1, 1937.

49,190.—*Title:* ADA MILLING COMPANY CORN MEAL; (RED, WHITE & DEEP BLUE PATTERN OF VARIED SIZE BLOCKS). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published February 1, 1937.

49,191.—*Title:* ADA MILLING COMPANY CORN MEAL; (BLUE AND WHITE DISKS ON BLUE AND RED BACKGROUND). For Corn Meal. ADA MILLING COMPANY, Ada, Okla. Published February 1, 1937.

49,192.—*Title:* BAR SERVICE, OLD MR. BOSTON. For Dry Gin. BEN-BURK, INC., Boston, Mass. Published December 9, 1936.

49,193.—*Title:* MURJANA. For Cosmesis Tissue Creme. BORZOI LABORATORIES, INCORPORATED, Newark, N. J. Published December 16, 1936.

49,194.—*Title:* BREIDT'S. For Pilsner Beer. PETER BREIDT BREWING COMPANY, Elizabeth, N. J. Published October 16, 1936.

49,195.—*Title:* BREIDT'S. For Bock Beer. PETER BREIDT BREWING COMPANY, Elizabeth, N. J. Published October 7, 1936.

49,196.—*Title:* BREIDT'S. For Dark Beer. PETER BREIDT BREWING COMPANY, Elizabeth, N. J. Published October 7, 1936.

49,197.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING COMPANY, St. Louis, Mo. Published March 19, 1937.

49,198.—*Title:* CLERMONT'S TRIPLE PURPOSE LAXATIVE. For a Laxative Preparation. THE CLERMONT CHEMICAL CO., Worthington, Ohio. Published February 1, 1937.

49,199.—*Title:* BALTIMORE CLUB. For Blended Whiskey. GORDON-O'NEILL CO., INC., New York, N. Y. Published March 18, 1937.

49,200.—*Title:* REX. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 17, 1936.

49,201.—*Title:* PHYLLIS BRAND SHOES. For Shoes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 30, 1936.

49,202.—*Title:* JOHNSON'S GLO-COAT. For Self Polishing Floor Polish. S. C. JOHNSON & SON, INC., Racine, Wis. Published March 1, 1937.

49,203.—*Title:* KLOZONE. For a Liquid Bleach. KLOZONE CHEMICAL COMPANY, Atlanta, Ga. Published January 27, 1937.

49,204.—*Title:* COUNTRY CLUB FLOUR. For Flour. THE KROGER-GROCERY & BAKING CO., Cincinnati, Ohio. Published January 15, 1937.

49,205.—*Title:* SADDLE. For Fresh Citrus Fruits. LAKELAND HIGHLANDS COOPERATIVE ASSOCIATION, Highlands City, Fla. Published February 24, 1936.

49,206.—*Title:* PIPE. For Fresh Citrus Fruits. LAKELAND HIGHLANDS COOPERATIVE ASSOCIATION, Highlands City, Fla. Published February 24, 1936.

49,207.—*Title:* HELEN WILLS. For Women's Wear. HELEN WILLS MOODY, San Francisco, Calif. Published March 2, 1937.

49,208.—*Title:* DR. NAYLOR'S ANTISEPTIC DUSTING POWDER. For Antiseptic Powders for External Use. H. W. NAYLOR, doing business as H. W. Naylor Company, Morris, N. Y. Published February 1, 1937.

49,209.—*Title:* MOTH-FLY SPRAY. For Insect Spray. O-CEDAR CORP'N, Chicago, Ill. Published December 15, 1936.

49,210.—*Title:* O-SO-EZY NO RUBBING WAX. For No Rubbing Wax. O-CEDAR CORP'N, Chicago, Ill. Published December 15, 1936.

49,211.—*Title:* VERMONT MAID. For Syrup. PENICK & FORD, LTD., INCORPORATED, New York, N. Y. Published October 1, 1935.

49,212.—*Title:* TALISMAN. For Fresh Oranges. REDLANDS ORANGEDALE ASSOCIATION, Redlands, Calif. Published February 10, 1937.

49,213.—*Title:* AIR-VENT CUSTARD-CUP COVERS. For Water Proof Silk Covers for Custard Cups. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published March 2, 1937.

49,214.—*Title:* AIR-VENT BOWL COVERS. For Water Proof Silk Covers for Food Bowls. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published March 2, 1937.

49,215.—*Title:* LETTUCE BAG. For Water Proof Silk Bags for Containing Vegetables. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published March 2, 1937.

49,216.—*Title:* STALWART. For Fresh Oranges. SANTA PAULA ORANGE ASSN., Santa Paula, Calif. Published December 5, 1936.

49,217.—*Title:* COURAGE. For Fresh Oranges. SANTA PAULA ORANGE ASSN., Santa Paula, Calif. Published December 5, 1936.

49,218.—*Title:* OUT-O-SIGHT. For Fresh Oranges. SANTA PAULA ORANGE ASSN., Santa Paula, Calif. Published March 1, 1937.

49,219.—*Title:* RAJO HAIR VITALIZER. For a Preparation Used as a Hair Vitalizer and for Treating Dandruff and Falling Hair. JOSEPH T. SCOMA, doing business as the Rajo Laboratories, Chicago, Ill. Published January 1, 1937.

49,220.—*Title:* BO-PO'S. For a Dietary Dressing Spiced Italian Style. ARTHUR SHANNON, Columbus, Ohio. Published February 12, 1937.

49,221.—*Title:* VETERANS' CLUB. For Gin. ALBERT M. SIMONS, Hartford, Conn. Published March 1, 1937.

PRINTS

REGISTERED APRIL 13, 1937

16,149.—*Title:* IT'S VALEN-TIME NOW. For Confectionery. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published February 5, 1937.

16,150.—*Title:* YOU CAN'T EAT THE BOX. For Confectionery. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published January 29, 1937.

16,151.—*Title:* AWFUL FRESH MACFARLANE. For Candy, Chocolates, and Salted Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published March 15, 1937.

16,152.—*Title:* YOU WILL LIKE MY STUFF. For Candy and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published March 12, 1937.

16,153.—*Title:* HELP YOUR BOY BAT 1000. For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published March 1, 1937.

16,154.—*Title:* SPECIFICATION SEALED GASOLINE. For Gasoline. DANCIGER OIL & REFINERIES, INC., Tulsa, Okla. Published February 17, 1937.

16,155.—*Title:* WILL YOU TRY A NEW WAY TO INDUCE YOUNGSTERS TO EAT BIG BREAKFASTS OF WHOLE WHEAT. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published March 4, 1937.

16,156.—*Title:* WHAT THIS SHELF WOULD SAY IF IT COULD (6-⅛" BY 8-¾"). For Coffee. HILLS BROS., San Francisco, Calif. Published March 7, 1937.

16,157.—*Title:* REFLECTIONS OF A DINING-ROOM MIRROR (6-⅛" BY 8-¾"). For Coffee. HILLS BROS., San Francisco, Calif. Published February 28, 1937.

16,158.—*Title:* IF THE WALLS OF THIS ROOM (6-⅛" BY 8-¾"). For Coffee. HILLS BROS., San Francisco, Calif. Published February 14, 1937.

16,159.—*Title:* IF THE WALLS OF THIS ROOM COULD TELL WHAT THEY HEAR (6-⅛" BY 15"). For Coffee. HILLS BROS., San Francisco, Calif. Published February 12, 1937.

16,160.—*Title:* SUPPOSE THE TELEPHONE TALKED (6-⅛" BY 15"). For Coffee. HILLS BROS., San Francisco, Calif. Published February 5, 1937.

16,161.—*Title:* OBSERVATIONS OF A KITCHEN CLOCK (6-⅛" BY 15"). For Coffee. HILLS BROS., San Francisco, Calif. Published February 19, 1937.

16,162.—*Title:* REFLECTIONS OF A DINING-ROOM MIRROR (6-⅛" BY 15"). For Coffee. HILLS BROS., San Francisco, Calif. Published March 4, 1937.

16,163.—*Title:* WHAT THIS SHELF WOULD SAY IF IT COULD (6-⅛" BY 15"). For Coffee. HILLS BROS., San Francisco, Calif. Published March 11, 1937.

16,164.—*Title:* SUPPOSE THE TELEPHONE TALKED (6-⅛" BY 8-¾"). For Coffee. HILLS BROS., San Francisco, Calif. Published February 7, 1937.

16,165.—*Title:* WILLIAMS SHAVING BLADES. For Safety Razor Blades. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Published March 4, 1937.

REISSUES

APRIL 13, 1937

20,326

ADHESIVE AND METHOD OF MAKING SAME

Edward F. Christopher, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Original No. 1,962,763, dated June 12, 1934, Serial No. 649,233, December 28, 1932. Application for reissue June 1, 1936, Serial No. 82,940

18 Claims. (Cl. 134—23.9)

1. An adhesive mixture comprising casein, biuret, and water.

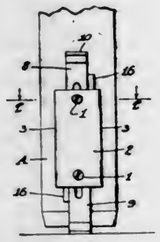
20,327

MECHANICAL ADJUSTER

Erastus C. Deal, Wilkes-Barre, Pa.

Original No. 1,999,016, dated April 23, 1935, Serial No. 758,846, December 22, 1934. Application for reissue August 20, 1936, Serial No. 97,085

8 Claims. (Cl. 45—139)



6. In a mechanical adjuster of the type described, the combination of a casing, wedges mounted in the casing and having opposed wedge surfaces, a flexible strip of material extending between the wedge surfaces of the aforesaid wedges and secured to the casing, at points beyond the respective wedge surfaces of the wedges to permit longitudinal adjustment of the wedges and means operatively connecting the two wedges and permitting them to draw apart from each other slightly when one of the wedges is moved away from the other.

20,328

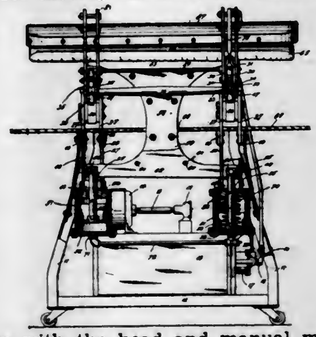
OPERATING MECHANISM FOR PRESSERS

Nicholas L. Etten, Waterloo, Iowa, assignor, by mesne assignments, to Chamberlain Corporation, a corporation of Iowa

Original No. 1,947,765, dated February 20, 1934, Serial No. 597,453, March 8, 1932. Application for reissue October 31, 1935, Serial No. 47,668

12 Claims. (Cl. 38—25)

11. A press ironing device comprising a frame, a buck mounted thereon, a supporting arm pivotally mounted on the frame, an ironing head carried by said arm which is movable upon its pivot to position said head over or away from the buck, manual means on the arm for moving and locking the same with respect to the frame and buck, means for moving the buck into pressure relationship with the head and manual means on said arm controlling said movement.



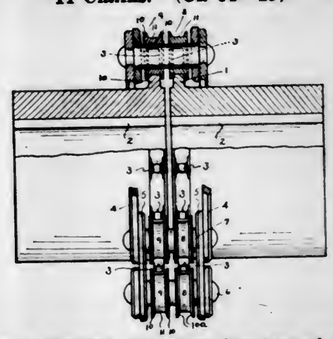
20,329

FLEXIBLE COUPLING

Arthur L. Lee, Pittsburgh, Pa., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois

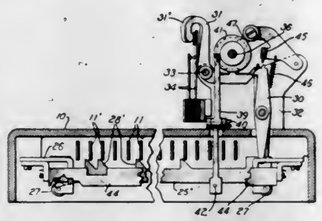
Original No. 2,042,608, dated June 2, 1936, Serial No. 28,624, June 27, 1935. Application for reissue December 31, 1936, Serial No. 118,640

11 Claims. (Cl. 64—19)



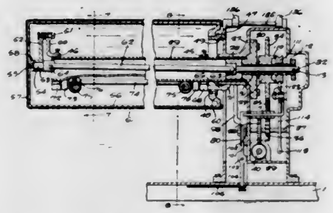
1. In a flexible coupling for two shafts arranged in approximate axial alignment with each other comprising a toothed sprocket on each of the shafts, and a sprocket-encircling chain formed of transverse elements with connecting links therebetween; rollers mounted in pairs on said transverse elements and associated respectively with the two sprockets of the coupling, at least one of each pair of rollers being free on the transverse elements and dimensioned to provide space for movement of the roller along its transverse element and having a peripheral sprocket tooth-embracing concavity, providing engagement between the roller and a sprocket tooth and tending to cause shifting movement of the roller on its transverse element under force exerted on the roller by its associated sprocket teeth in changing relative angular position of the sprockets.

20,330
KEYBOARD MECHANISM FOR TELEGRAPH APPARATUS
Sterling Morton, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original No. 1,884,807, dated October 25, 1932, Serial No. 441,465, April 4, 1930. Application for reissue June 16, 1934, Serial No. 731,005
29 Claims. (Cl. 178—17)



1. In transmitting apparatus for telegraphs employing a definite interval code, a set of selectors, one for each interval of the code, transmitting mechanism controlled thereby, a plurality of finger keys including a shift key for operating said selectors in different combinations, and means operated by all the keys with the exception of the shift key for initiating the operation of said mechanism.

20,331
IRONING MACHINE
John W. Racklyeft, Cleveland, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Original No. 1,868,806, dated July 26, 1932, Serial No. 167,314, February 10, 1927. Application for reissue April 7, 1934, Serial No. 719,617
44 Claims. (Cl. 38—59)

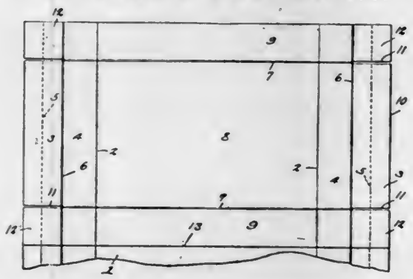


1. In an ironing machine, the combination with a frame, of a shoe pivotally mounted upon said frame, a roll adapted to cooperate with said shoe, and means for holding said shoe in predetermined position upon said frame and operable to release said shoe, said means comprising a lever terminating near the front of said frame and catches connected to said lever and engaging extensions of said shoe.

4. In an ironing machine, the combination with a rigid shoe, of a rigid member supported at one end and projecting alongside said shoe, a hollow roll surrounding and rotatably supported by said rigid member, and means inside said roll for compensating for unequal pressures exerted at the ends of said roll.

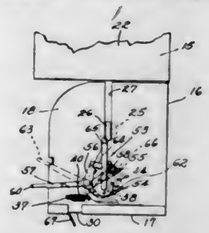
6. In an ironing machine, the combination with a shoe, of a hollow roll supported wholly at one end and movable toward and away from said shoe, mechanism located inside said roll for moving said roll toward and away from said shoe, and an electric motor operatively connected to said roll and to said mechanism, such connections including disconnectable elements.

20,332
BOX CONSTRUCTION
Clarence L. Claff, Randolph, Mass.
Original No. 2,008,608, dated July 16, 1935, Serial No. 738,359, August 3, 1934. Application for reissue February 1, 1937, Serial No. 123,544
4 Claims. (Cl. 93—58)



4. The herein described method of producing a box which includes the step of applying to the side edge portions of a continuously moving web of box-board material continuous adhesive tapes of reinforcing material which are affixed to one surface of the web to cover an area greater than the height of the walls of the box to be produced, subsequently creasing or scoring the web and the tapes longitudinally and transversely to define the bottom, side and end walls of the finished box, then cutting slits into the reinforced side edges along the lines of the transverse scores, said slits terminating at the longitudinal scores and being completely surrounded by the reinforcing tape, thereafter cutting the web transversely between the slits to provide blanks the end flaps of each of which are formed of the reinforced and slitted side portions of the web, the transverse cuts and the slits cooperating to form wings at opposite sides of each end flap each of which has a reinforced end, and finally shaping the formed blank with the reinforced end walls lapping and affixed to the wings.

20,333
PAPER TOWEL DISPENSER
Jay C. Perrin, Los Angeles, Calif., assignor to Towlsaver, Inc., a corporation of California
Original No. 1,913,722, dated June 13, 1933, Serial No. 590,414, February 2, 1932. Application for reissue June 10, 1935, Serial No. 27,423
10 Claims. (Cl. 242—55.2)



10. A towel dispenser comprising a case, means for rotatably supporting a roll of towel material therein, rotatable means spaced from said roll

of material for gripping and dispensing strips of material from said roll, and means for automatically effecting and controlling the operation of said dispensing means when the latter is manually operated, whereby each strip dispensed may be of uniformly greater length than the width thereof, said last named means including two members projecting through said case and each manually operable to control and permit operation of said dispensing means.

PLANT PATENTS

GRANTED APRIL 13, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

243
ROSE
John A. Armstrong, Ontario, Calif., assignor to Armstrong Nurseries, Ontario, Calif.
Application November 4, 1936, Serial No. 109,173
1 Claim. (Cl. 47—61)

The new variety of rose plant herein described and illustrated, characterized particularly by its vigorous climbing habit, its usual production of larger flowers as compared with those of the bush Golden Dawn, and its habit of producing most of its bloom in the spring and blooming intermittently throughout the remainder of the season rather than continuously as does the bush Golden Dawn.

244
ROSE
John A. Armstrong, Ontario, Calif., assignor to Armstrong Nurseries, Ontario, Calif.
Application November 4, 1936, Serial No. 109,174
1 Claim. (Cl. 47—61)

The new variety of rose plant herein described and illustrated, characterized particularly by its vigorous climbing habit, and its habit of producing most of its bloom in the spring but blooming intermittently throughout the season thereafter, rather than continuously as is done by the bush Hinrich Gaede.

PATENTS

GRANTED APRIL 13, 1937

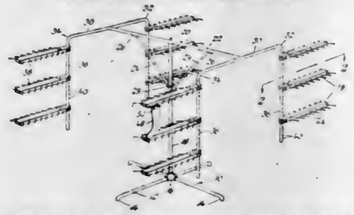
2,076,522

DISPLAY RACK

Reinhold J. Anderson, Red Oak, Iowa

Application January 6, 1936, Serial No. 57,843

10 Claims. (Cl. 211—163)



1. A display rack comprising a standard, a bar rotatably mounted upon the standard, said bar having a plurality of depending reaches, an arm rotatably mounted upon each of the depending reaches, and a plurality of garment supporting means fixedly connected with each of the arms.

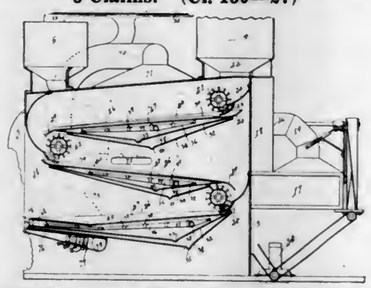
2,076,523

HARVESTER-THRESHER

Charles A. Ballack, Walla Walla, and William C. Steele, Seattle, Wash.

Application August 13, 1934, Serial No. 739,590

5 Claims. (Cl. 130—27)



5. In a harvester, the combination with a housing, and a feeder disposed in operable communication with the interior of said housing, of threshing cylinders mounted progressively in the front and rear ends of said housing, and provided respectively with directing plates, and having one of said cylinders positioned in receptive register with said feeder, of enclosed conveyors, adapted to receive and contain the cleaned kernels, operably supported in said housing, and provided with an extended end disposed to receive from a preceding cylinder, and having its remaining end disposed and adapted to cooperate with the directing plate of the succeeding cylinder to deliver the conglomerate thereto inverted, a like conveyor associated with and to receive from the final cylinder and terminating at its remaining end in a shoe, a pneumatic impeller associated with each conveyor to separate the kernels from the chaff, a pneumatic cleaning means established above said conveyors to remove the straw and chaff by suction therefrom, for discharge from a common outlet, and means to pneumatically discharge the kernels from the respective conveyors for discharge from a common outlet.

2,076,524

TREATMENT OF MOTOR FUEL

Fred B. Behrens, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application May 22, 1933, Serial No. 672,230. Renewed September 14, 1936

2 Claims. (Cl. 44—9)

1. A method for restoring deteriorated cracked gasoline containing organic peroxides formed during the deterioration and for stabilizing the gasoline against further deterioration, which comprises eliminating the peroxides from the gasoline by treating the latter with burned magnesite, whereby the amenability of the gasoline to the action of inhibitors is improved, and then adding an inhibitor to the gasoline.

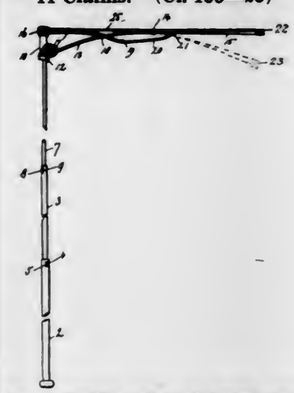
2,076,525

UMBRELLA

Wikke Bouma, Los Angeles, Calif., assignor to John Van Nuland, Los Angeles, Calif.

Application August 24, 1932, Serial No. 630,279

11 Claims. (Cl. 135—25)



8. In an umbrella, ribs of lesser length than the radial spread of the covering thereof, and means actuated by each rib secured to circumferentially spaced points of the peripheral edge of the covering for automatically stretching the edge between said points as the umbrella is completely unfolded.

2,076,526

SURGICAL PACKING

Elmer H. Brown, Trenton, N. J.

Application February 16, 1934, Serial No. 711,510

3 Claims. (Cl. 128—296)



1. A mouth pack or similar article for use in dentistry comprising a strip of material not more than about two inches in width and from one-eighth to one-half inch in thickness formed of absorbent cellulose material and pervious non-adhering spacing material folded longitudinally of the strip to provide a plurality of overlying layers of cellulose material and spacing material enclosed within a porous outer fabric covering, said strip being soft and flexible and capable of being readily folded transversely of the strip.

2,076,527

MULTIPLE FILAMENT LAMP

Oscar Henri Corvington and Maurice A. Napier, Akron, Ohio

Application December 10, 1935, Serial No. 53,827

8 Claims. (Cl. 176—27)



1. In an incandescent lamp having a base, a bulb and a pair of terminal contacts, a pair of filaments, a conductor wire supporting one end of each filament, a second wire supporting the remaining end of one filament and normally out of circuit, a spring conductor wire supporting the remaining end of the second filament and urged by its resiliency into engagement with the second wire, and fusible means normally holding the spring wire out of contact with the second wire, said means being arranged to fuse upon breaking of the second filament, said filaments being arranged on opposite sides of the axis of the lamp.

2,076,528

METHOD OF FORMING PACKING RINGS

Wayne Davies, Evanston, Ill.

No Drawing. Original application April 8, 1935, Serial No. 15,353. Divided and this application October 9, 1935, Serial No. 44,231

4 Claims. (Cl. 154—2)

1. The method of forming ring packings of substantially U-cross section which consists in drawing wax treated strips of leather into channel form while applying heat and pressure thereto, and rolling such channel formed strips with a spacer between the legs of the same into a helix while the strip is heated.

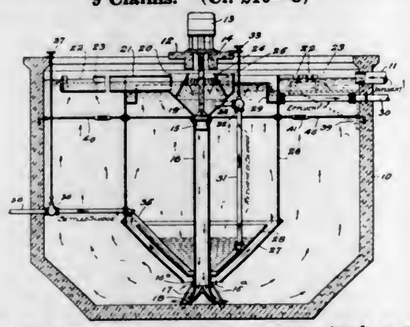
2,076,529

SEWAGE TREATMENT APPARATUS

Augustus C. Durdin, III, Niles Center, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois

Application December 18, 1935, Serial No. 55,109

9 Claims. (Cl. 210—8)



1. The combination of an aerating tank, a settling chamber therein in which sludge settles, said settling chamber having an inlet leading from the tank, and an effluent conduit leading from its upper end, aerating means in said tank, including an impeller, a conduit through which the impeller circulates the contents of the tank from one part thereof to another, said impeller serving to lower the pressure head in said conduit below that in the tank, and a sludge return pipe unprovided with any sludge lifting means, and having an inlet at the bottom of the settling chamber and an outlet located below the level of the contents of the tank and discharging into the lower pressure area of the conduit through which the recirculated stream flows, the higher pressure head in the tank serving to lift the sludge in the sludge return pipe and discharge it into said conduit.

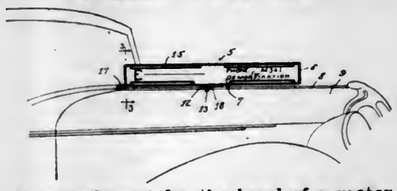
2,076,530

HOOD SIGN FOR MOTOR VEHICLES

Floyd D. Eastman, Rockford, Ill.

Application December 22, 1934, Serial No. 758,778

16 Claims. (Cl. 40—129)



1. An attachment for the hood of a motor vehicle comprising a frame having two attaching claws arranged to be engaged on one end of a hood and clamped under the halves of the hood on the ledge thereof on opposite sides of the longitudinal hinge of said hood, the frame being arranged to extend lengthwise relative to said hood over said hinge, and means for supporting said frame comprising supports extending downwardly from the frame on opposite sides of the hinge and arranged to bear on top of the hood.

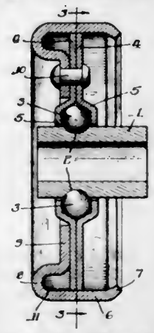
2,076,531

SKATE ROLLER

William D. Ferris, Sterling, Ill., assignor to Hustler Corporation, Sterling, Ill., a corporation of Illinois

Application September 23, 1935, Serial No. 41,748

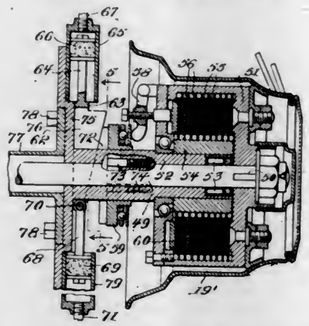
8 Claims. (Cl. 208—181)



1. In a skate roller, disk-like side plates forming the body of the roller, secured flatwise together, having annular flangeless outer edges, but having their inner edge portions bent apart to accommodate anti-friction members, forming a ball race, and an annular tread section forming

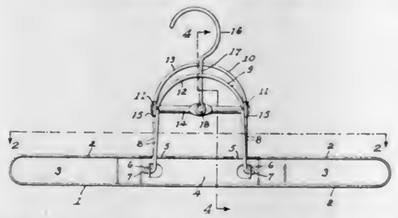
the outer periphery of the roller formed of one piece of sheet metal and flanged inside for flatwise engagement with one side of said body of the roller, a hub for engagement with said anti-friction members, said plates and tread section being rigidly fastened together at points between said ball race and the outer periphery of said plates.

2,076,532
VACUUM OIL BRAKE
Alfred J. Francoeur and Vincent Matulewicz, Fall River, Mass.
Application March 23, 1936, Serial No. 70,464
3 Claims. (Cl. 188—152)



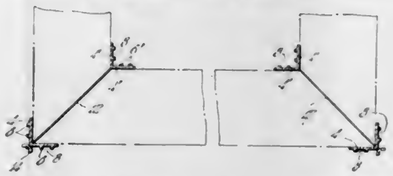
1. Motor vehicle brake mechanism comprising friction discs, companion wedges having their wedge faces in sliding contact with each other, opposed vacuum responsive pistons connected to respective ends of one of the wedges for moving the same longitudinally of the other wedge, said other wedge being yieldably mounted to move longitudinally of the axis of the friction discs and engage the friction discs to compress or release the friction discs according to the direction of movement imparted to the first named wedge by said pistons, and means for alternately subjecting the pistons to vacuum.

2,076,533
GARMENT HANGER
Stuart Lawrence Fuller, Detroit, Mich.
Application March 20, 1935, Serial No. 11,940
3 Claims. (Cl. 223—96)



1. A garment hanger comprising a pair of opposed clamping members, a bail secured at one end to each of said clamping members and extending laterally therefrom with said bails pivotally connected together intermediate their ends, each bail being formed with a curved outer closed end portion, one of said end portions of one bail being of lesser length than the other to swing through the closed end portion of the other bail into crossed relation thereto, a member forming the pivotal connection between said bails, a suspension member formed of wire and pivotally attached at one end to said pivot member to swing longitudinally of said closed ends of said bails with its shank portion between said closed outer curved ends of said bails and spread the same apart and move said clamping members into clamping position, said suspension member being held in midposition of its swinging movement by the engagement of said bails therewith.

2,076,534
BRICKLAYER'S APPARATUS
Robert Galbraith, Springfield, Mass.
Application May 18, 1936, Serial No. 80,283
6 Claims. (Cl. 33—85)



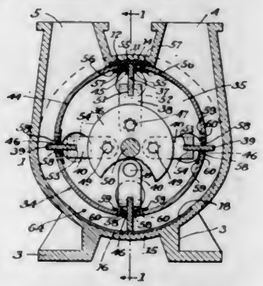
1. Bricklayers' apparatus of the class described, a pair of right-angle-irons spaced apart in vertical position with like sides in substantial parallelism, adjustable means connecting said irons for holding them in position, and a measuring device movable up and down relative to one of said angle-irons.

2,076,535
FLOATING UNIT AND FLEET
Carl J. Baer, Jefferson Barracks, Mo.
Application March 30, 1935, Serial No. 13,895
7 Claims. (Cl. 114—26)



1. A boat unit adapted to be placed in contiguity with others of its kind to form a barge fleet and having the form of an isosceles trapezoid, the sides of the unit forming the bases of the trapezoid and the ends the legs of the trapezoid.

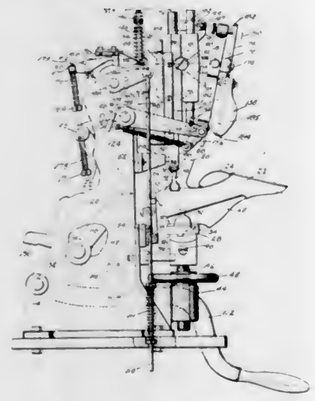
2,076,536
VALVELESS ROTARY PUMP
Thomas A. Bateman, Los Angeles, Calif.
Application October 8, 1935, Serial No. 44,048
2 Claims. (Cl. 103—144)



2. A pump comprising a casing formed with an induction duct and an eduction duct, a rotor

mounted in said casing including an actuator, a piston head, a plurality of vanes, pivot pins secured in said piston head, vane arms turnably fitted at their inner ends on said pivot pins respectively, said vanes being secured on the outer ends of said vane arms respectively, a vane arm mounted on said head in fixed radial relation thereto, a vane secured to the outer end of said arm, the rim of said actuator being provided with slots through which said vanes extend respectively, said actuator being journaled eccentrically in said casing with the periphery of its rim in contact with the inner surface of the wall of said casing between said ducts, and said piston head being journaled concentrically in said casing with the outer ends of said vanes in contact with the inner surface of said casing.

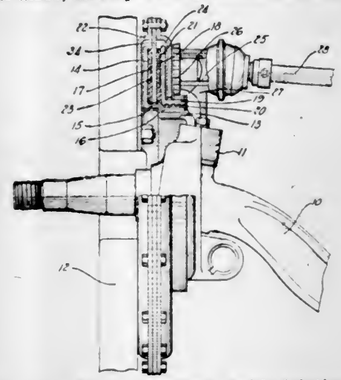
2,076,537
HEEL ATTACHING AND FLAP LAYING MACHINE
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 17, 1934, Serial No. 757,825
33 Claims. (Cl. 12—125)



1. In a covering machine, a support for a shoe which has a Louis heel and a covering flap to be applied to the breast of the heel, a member movable in a fixed path relatively to the support, a deformable pad movable with the member, resilient means constructed and arranged to maintain the pad in predetermined relation to said member as the pad moves along a portion of said path, and mechanism for causing the pad to swing relatively to said member against the action of said resilient means and under pressure of the shoe against the pad thereby to apply the covering flap to the breast of the heel.

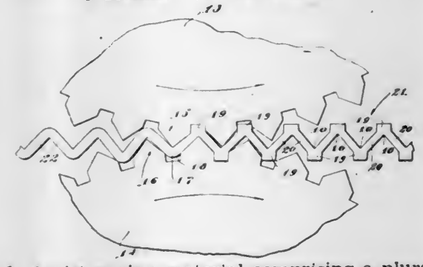
2,076,538
BRAKE
Vincent Bendix, South Bend, Ind.
Original application July 14, 1924, Serial No. 726,050. Divided and this application January 21, 1933, Serial No. 652,961
17 Claims. (Cl. 188—72)

1. A brake comprising a brake disc rotatable in a fixed plane and having a braking surface on either side thereof, a pair of friction discs adapted to engage the opposite sides of said rotatable disc, a support for said friction discs, splined means permitting axial bodily movement of said friction discs, and operating means including hel-



ical threads for converging said friction discs into engagement with said rotatable disc.

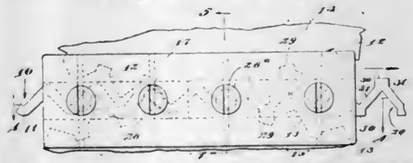
2,076,539
PISTON RING MATERIAL
Thomas A. Bowers, Boston, Mass., assignor to Flexion, Inc., Boston, Mass., a corporation of Massachusetts
Application July 2, 1934, Serial No. 733,472
5 Claims. (Cl. 29—156.61)



1. A piston ring material comprising a plurality of separated keystone shaped crowns and obliquely arranged connecting keystone shaped webs, the said crowns having substantially flat top portions and substantially perpendicular sides.

2,076,540
WITHDRAWN

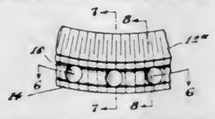
2,076,541
CONTINUOUS ROTARY FORGING DIE
Thomas A. Bowers, Boston, Mass., assignor to Flexion, Inc., Boston, Mass., a corporation of Massachusetts
Application May 13, 1935, Serial No. 21,183
3 Claims. (Cl. 78—60)



1. A mechanism for producing piston ring material comprising a pair of complementary rotating dies adapted to form a metal ribbon into

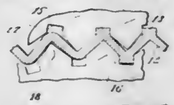
crowns and connecting web portions, blocks located adjacent either side of the engaging faces of said dies, longitudinally disposed grooves in said blocks adapted to engage the extremities of said crowns and webs.

2,076,542
PISTON RING
Thomas A. Bowers, Boston, Mass., assignor to Flexion, Inc., Boston, Mass., a corporation of Massachusetts
Application September 7, 1935, Serial No. 39,594
3 Claims. (Cl. 309—45)



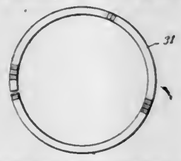
1. A substantially solid and flexible packing ring formed from a single strip of reversely bent metal ribbon and having flattened crown portions and connecting web portions, said crowns occurring vertically of the ring to form inner and outer sides thereof, those crowns comprising the outer side of the ring individually having a greater dimension considered circumferentially of the ring than those crowns comprising the inner side of the ring, and the said ring having openings radially located therethrough adapted to comprise oil passages.

2,076,543
PROCESS OF MAKING PISTON RINGS
Thomas A. Bowers, Boston, Mass., assignor to Flexion, Inc., Boston, Mass., a corporation of Massachusetts
Application December 12, 1935, Serial No. 54,152
11 Claims. (Cl. 29—156.61)



1. In a process for forming from a strip of packing ring material, a packing ring in which said strip is reversely bent and presents flat crown portions, and web portions connecting said crown portions, the step which comprises thinning the web forming portions and decreasing the thickness of said portions, relative to the thickness of the crown portions vertically of the ring.

2,076,544
PISTON RING
Thomas A. Bowers, Boston, Mass., assignor to Flexion, Inc., Boston, Mass., a corporation of Massachusetts
Application December 12, 1935, Serial No. 54,153
10 Claims. (Cl. 309—29)

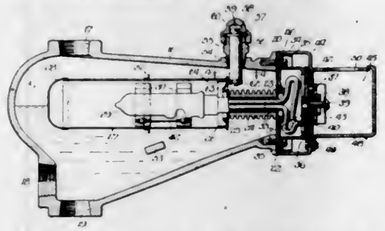


1. A substantially solid piston ring comprising a single piece of reversely bent metal ribbon presenting flat crown portions and connecting web portions, said crown portions being of a minimum vertical thickness at least equal to the minimum thickness of an adjacent connecting web portion in a direction circumferentially of the ring.

2,076,545
METHOD OF PREPARING A DECOLORIZING MATERIAL
Lyle Caldwell, Los Angeles, Calif.
No Drawing. Application May 10, 1935, Serial No. 20,756
8 Claims. (Cl. 252—2)

1. The method of preparing a bleaching material which comprises subjecting a finely divided solid material containing a large proportion of a calcium compound selected from the group consisting of calcium carbonate and calcium hydroxide, to hydrothermal reaction with finely divided silica and a water-soluble magnesium salt of a strong acid, to cause the major portion of said calcium compound to react with said silica and said magnesium salt to form hydrated magnesium silicate and a calcium salt of said strong acid, and to produce a solid bleaching material consisting largely of the hydrated magnesium silicate thus formed.

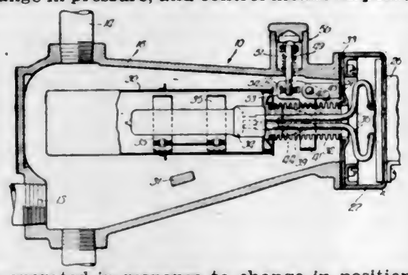
2,076,546
CONTROL SWITCH
Oscar F. Carlson, Chicago, Ill., assignor, by direct and mesne assignments, of one-half to Oscar F. Carlson Company, Chicago, Ill., a corporation of Illinois, and one-half to Everett N. McDonnell, Chicago, Ill.
Application October 4, 1935, Serial No. 43,564
19 Claims. (Cl. 200—84)



1. In combination, a float chamber, a float therein, a flexible bellows supporting said float for both pivotal and axial movement in said chamber, a switch in said float having leads extending outwardly of said chamber through said bellows, and means serving as an abutment adapted to be engaged by the float in eccentric relation so that upon collapsing of said bellows due to pressure in said chamber said float is moved into switch actuating position.

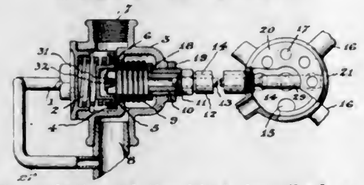
2,076,547
LOW WATER AND PRESSURE CUT-OFF SWITCH
Oscar F. Carlson, Chicago, Ill., assignor of one-half to Oscar F. Carlson Company, Chicago, Ill., a corporation of Illinois, and one-half to Everett N. McDonnell, Chicago, Ill.
Application April 6, 1936, Serial No. 72,898
14 Claims. (Cl. 200—84)

1. A liquid level and pressure responsive device comprising, in combination, a float chamber disposed to be connected to a container of a liquid under pressure, a float in said chamber, means for mounting said float to rotate about a definite axis in response to change in level of said liquid, means for mounting said float to rotate about another definite axis in response to change in pressure, and control means disposed to



be operated in response to change in position of said float caused by change in level or pressure.

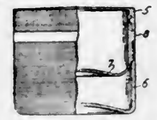
2,076,548
PILOT CONTROLLED CUT-OFF VALVE
Leger S. Castonguay, Cuyahoga Falls, Ohio, assignor to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Original application March 3, 1930, Serial No. 432,708. Divided and this application November 18, 1931, Serial No. 575,887
6 Claims. (Cl. 137—161)



6. In a device of the kind described, a valve body having an inlet port, an outlet port, and a valve port for the flow of fluid therethrough and having a relatively large opening and a relatively small opening, a thermostatically controlled valve means including a valve for controlling the valve port, said valve being disposed on one side of the port, said means also including a thermostat disposed on the opposite side of the valve port and operatively associated with the valve, said thermostat being smaller in diameter than the valve port for removal therethrough, said thermostat having a part extending outwardly from the valve body through the smaller opening, means for sealing said part to the valve body at said smaller opening, said thermostatically-controlled-valve-means being insertable and removable from the valve body through the larger opening, and a cap for closing the larger opening.

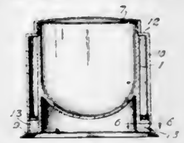
2,076,549
JAR
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application April 24, 1935, Serial No. 18,031
17 Claims. (Cl. 215—6)

1. The combination in a jar of the class described, of an inner thin-walled cup-shaped member molded from a material of the synthetic resin class and externally threaded adjacent its upper periphery, the said inner member having its interior diameter at the top at least as large as is the interior diameter below the top, an outer thin-walled member molded from a material of the synthetic resin class and surrounding the lower portion of the inner member, the said outer member having a portion in engagement with a peripheral portion of the inner member and being adapted to permit the said inner member to be moved vertically downward into assembled relationship with the outer member,



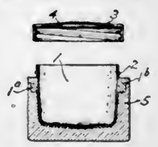
means formed integrally with the inner and outer members and having interengaging substantially vertical walls serving to prevent relative rotation, and a closure of the cap type interiorly threaded to engage the thread on the inner member.

2,076,550
JAR
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application April 24, 1935, Serial No. 18,030
11 Claims. (Cl. 215—12)



1. The combination in a jar of the class described, of an inner thin-walled cup-shaped member externally threaded adjacent its upper periphery, an outer thin-walled member adapted to surround a portion of the inner member below the thread and movable downward relatively to the inner member to effect engagement therewith, the said outer member having an annular portion with a downward exposed face of uniform height which engages an upward exposed face of uniform height on the inner member, and a closure of the cap type interiorly threaded to engage the thread on the inner member.

2,076,551
JAR
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application April 16, 1935, Serial No. 16,721
1 Claim. (Cl. 215—1)



The combination in a jar of the class described, of an inner thin-walled cup-shaped member externally threaded adjacent its upper periphery, the said inner member having an annular rib immediately below the threaded portion, an outer body molded around the inner member below the annular rib thereon so that the exterior of the inner member and the interior of the outer member are in intimate contact throughout, the said outer body having an external contour substan-

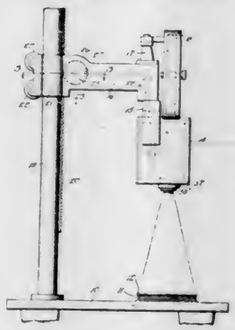
tially different from that of the inner body and having a diameter such that the periphery of the rib on the inner member is exposed, and a closure of the cap type interiorly threaded to engage the thread on the inner member.

2,076,552

AUTOMATIC FOCUSING DEVICE FOR COPYING CAMERAS, PROJECTORS, AND THE LIKE

Rupert H. Draeger, U. S. Navy, and Harold F. Bennett, Washington, D. C.

Application May 9, 1935, Serial No. 20,611
8 Claims. (Cl. 88—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



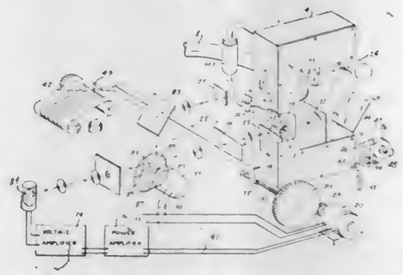
1. An automatic focusing device for a camera comprising an arm for supporting the camera, means securing the camera to said supporting arm, a support rod, said arm being slidably securable along said support rod, a gear rack on said support rod, a lens draw tube movably mounted in said camera, and a gear train, one end of said gear train being in mesh with said support rod gear rack and the other end of said gear train being so connected as to impart modified movement to said lens tube relative to the camera, said gear train passing through the rotatable connection between the camera and the supporting arm.

2,076,553

APPARATUS FOR MEASURING, RECORDING, AND CONTROLLING DILUTE DUST CONCENTRATIONS

Philip Drinker, Brookline, and Willis Gilpin Hazard, Jamaica Plain, Mass.

Application March 5, 1934, Serial No. 714,004
21 Claims. (Cl. 88—14)



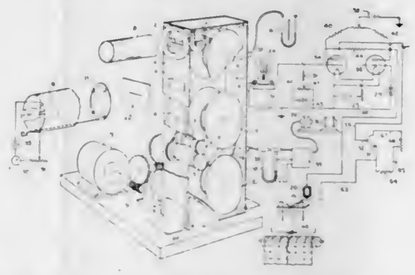
13. Apparatus of the character described comprising a support, a member upon which dust may be deposited movably mounted upon the support, means for continuously directing upon the member a stream of air carrying a dilute dust concentration of predetermined area in cross section at a predetermined station to cause dust from the stream of air to become deposited continuously upon the member, means for preventing dust from becoming deposited upon the member except at the station, means for continuously moving the member upon the support past the station, an actuable device for actuating selected instruments, and means controlled in accordance with the amount of dust deposited upon the member from the stream of air for actuating the actuable device.

2,076,554

APPARATUS FOR MEASURING, RECORDING, AND CONTROLLING DILUTE DUST CONCENTRATIONS

Philip Drinker, Brookline, and Willis Gilpin Hazard, Jamaica Plain, Mass.

Application January 21, 1932, Serial No. 587,854
1 Claim. (Cl. 88—14)



Apparatus of the character described comprising a support, a member upon which dust may be deposited movably mounted upon the support, means for continuously directing upon the member a stream of air carrying a dilute dust concentration of predetermined area in cross section at a predetermined station to cause dust from the stream of air to become deposited continuously upon the member, means for preventing dust from becoming deposited upon the member except at the station, means for continuously moving the member upon the support past the station, an actuable device for actuating selected instruments, means controlled in accordance with the amount of dust deposited upon the member from the stream of air for actuating the actuable device, and means for periodically interrupting the depositing of the dust on the member to indicate time intervals on the member.

2,076,555

CELLULOSE DERIVATIVE AND PROCESS OF MAKING THE SAME

Robert E. Fothergill, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 21, 1933, Serial No. 703,405
16 Claims. (Cl. 260—102)

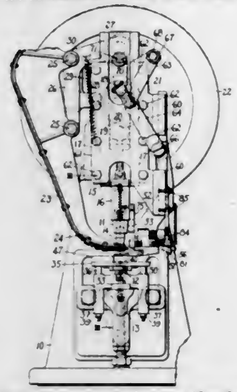
1. Process of preparing a propionic acid ester of cellulose which comprises reacting a member of the group consisting of cellulose and low substituted cellulose derivatives with proponic anhydride and submitting the propionic aced ester thus obtained to hydrolysis until a product insoluble in benzene but soluble in acetone is obtained.

2,076,556

METHOD OF AND MACHINE FOR PIERCING AND EYELETING

Sylvester L. Gookin, Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application December 24, 1934, Serial No. 758,886
27 Claims. (Cl. 218—15)



1. That improvement in methods of piercing and eyeleting sheet material which consists in separating contiguous areas of the material laterally and thereby tensioning a narrow intermediate area, piercing a hole in said intermediate area, and inserting an eyelet into the hole while the tensioning force is maintained.

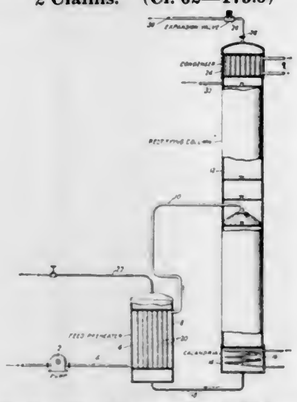
6. A fastener-inserting machine comprising work-tensioning mechanism provided with cooperative tensioning members arranged initially to engage a surface of the fastener-receiving area of the work, means arranged to operate against said members to pierce a hole in said area and to separate said members laterally, and means arranged to insert a tubular fastener into said hole.

2,076,557

PROCESS FOR THE SEPARATION OF HYDROCARBONS

Crawford H. Greenewalt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 5, 1935, Serial No. 30,029
2 Claims. (Cl. 62—175.5)



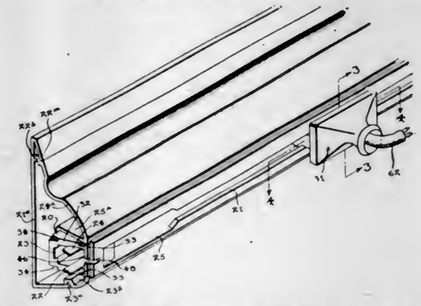
1. The process of separating the constituents of a fluid mixture comprising ethane, propylene, propane, butylene, and higher boiling hydrocarbons, which comprises compressing said mixture to a pressure of about 20 to 25 atmospheres and rectifying said fluid mixture at this pressure by a counter-current flow of reflux liquors condensed at the top of a rectifying column and by boiling the liquid bottoms at the base of the rectifying column at a temperature sufficient to remove substantially all of the propane and the lower boiling constituents, said reflux liquors being condensed at a temperature below the boiling point of propylene so as to condense substantially all the propylene from the gaseous fraction prior to removal of said gaseous fraction from the system, removing the gaseous fraction comprising essentially ethane, removing some of the reflux liquors just after condensation, said liquor comprising essentially propylene and propane, and removing the liquid bottoms from the base of the rectifying column, said bottoms comprising essentially butylene and the higher boiling hydrocarbons.

2,076,558

ELECTRICAL CONDUIT SYSTEM

Howard W. Hartman, South Williamsport, and James Fearon Brown, Williamsport, Pa.; said Brown assignor to said Hartman

Application August 22, 1933, Serial No. 686,294
9 Claims. (Cl. 247—3)



1. In an electrical conduit system, a plurality of conductor units arranged end to end and having their adjacent ends spaced from one another, each unit comprising a slotted tube of insulating material provided with internal conductors, a channel having a groove in which the conductor units are arranged, and a connecting unit positioned in the groove between adjacent ends of said tubes and including a member formed of insulating material and carrying conductor shoes which bridge the gaps between and contact with like conductors of the adjacent tubes, the ends of the connecting unit abutting adjacent ends of the conductor unit to prevent endwise movement of the connecting unit.

2,076,559

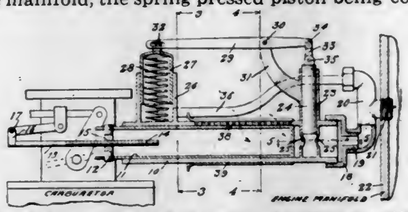
GAS AND AIR MIXING DEVICE

William A. Hauer, Youngstown, Ohio

Application December 16, 1935, Serial No. 54,731
2 Claims. (Cl. 123—119)

1. The combination with a motor intake manifold and throttle rod, of a cylinder operatively connected to the manifold to be exposed to fluctuations of vacuum therein, a piston in the cylinder operatively connected to the throttle rod to be moved as a unit therewith, there being intake openings in the cylinder exposed by the piston when the throttle rod is moved to accelerate the

motor, a valve in the cylinder adapted to establish and cut off communication between the cylinder and the manifold, a spring pressed piston on the cylinder operatively connected to the valve to move as a unit therewith, means exposing the spring pressed piston to fluctations of vacuum in the manifold, the spring pressed piston being con-



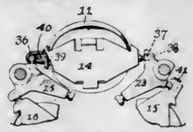
trolled by decreased vacuum in the manifold and closing the valve in the cylinder to prevent air from the cylinder entering the manifold when the motor is suddenly accelerated, and a revoluble sleeve valve on the cylinder having a longitudinal split therein for selectively exposing the openings in the cylinder.

2,076,560

VARIABLE SPEED POWER TRANSMISSION SYSTEM

Frank Anderson Hayes, Middletown, N. J.

Application August 11, 1934, Serial No. 739,435
In Great Britain August 23, 1933
5 Claims. (Cl. 74—200)



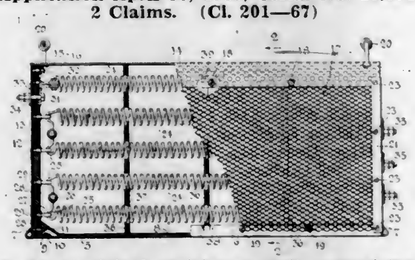
1. In a variable speed power transmission mechanism of the class described, comprising torus disks and interposed friction rollers, the combination of a roller and a carrier in which the same is mounted for rotation; a pivoted rocker at one end of the carrier, connected to the carrier for pivotal movement of the carrier relative to the rocker without axial play of the carrier relative to said rocker; and means at the other end of the carrier to support the same for both axial movement and axial play relative to said means.

2,076,561

PORTABLE RESISTANCE UNIT

Fry Hanna, Logan, W. Va., assignor to Guyan Machinery Company, Logan, W. Va., a corporation of West Virginia

Application April 30, 1935, Serial No. 19,094
2 Claims. (Cl. 201—67)



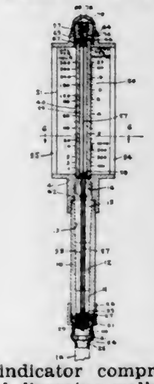
1. An electrical resistance unit comprising a flat metal supporting base adapted to rest directly on the surface of the ground and having upstanding lateral and end flanges, said end flanges forming surfaces inclined to the ground and adapted to ride over small obstructions; an upstanding end member of insulation at each end of said base engaging said end flanges; a perforated metal top sheet connecting said end members together; a plurality of insulating supports of compressed material, said supports having spaced openings therein; deflected tangs on said lateral flanges for holding said supports in fixed relation to said base; clamps on said top for holding said supports; a plurality of resistance coils slung between said end members and passing through and positioned by the openings in said supports; means on one of said end members for supporting said coils and insulating them against contact with objects outside of the unit; means on the other end member for making electrical connections to said coils, and side screens of expanded metal cooperating with said end members, said base and said top to form a ventilated enclosing casing.

2,076,562

GAUGE FOR INDICATING THE VOLUME OF FLOW OF GASES

Jay A. Heidbrink, Minneapolis, Minn.

Application July 5, 1935, Serial No. 29,838
4 Claims. (Cl. 73—209)



1. A flow indicator comprising a flow tube having conical diverging walls and a gauge tube held in axial alinement with the flow tube and opening thereinto, a piston of substantially the smallest diameter of said walls movable in the flow tube, an elongated indicating member rigidly secured to the piston and adapted to extend into the gauge tube, a wire extending through the piston and indicating member and along the axes of the flow tube and the gauge tube to hold and guide the piston and indicating member, a spring connected with the wire, and means for winding the wire to put tension on the spring.

2,076,563

SULPHONATION PRODUCTS OF HYDROABIETYL ALCOHOL AND PROCESS OF PREPARING THE SAME

Clyde O. Henke, Wilmington, Del., and Milton A. Prahl, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 20, 1933, Serial No. 690,230
14 Claims. (Cl. 260—99.12)

10. The sulphonation product of a hydrogenated abietyl alcohol.

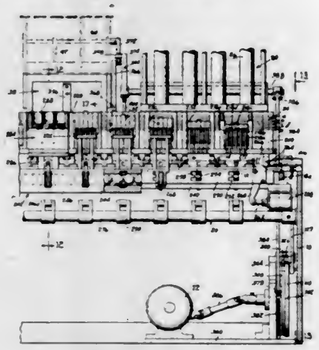
14. The process which comprises reacting with a sulphonating agent upon hydroabietyl alcohol dissolved in an organic solvent.

2,076,564

CHECK OPERATED VENDING APPARATUS

Fairfield W. Hoban, New York, N. Y., assignor to J. E. Stewart, New York, N. Y., doing business under the firm name and style of Stewart & McGuire

Application August 15, 1933, Serial No. 685,175
66 Claims. (Cl. 194—18)



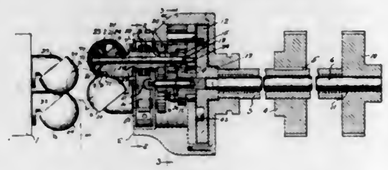
1. In a vending apparatus, a plurality of article ejecting elements, a common actuating means therefor including electrically operated motor means, a circuit therefor, a master coin operated circuit controlling means for setting the circuit of said motor means, and selectively operable means associated with each of said article ejecting elements, each of said last named means being actuated to move the associated article ejecting element into operative relation to said common actuating means, and circuit controlling means actuated by said selectively operable means to complete the circuit of said motor means.

2,076,565

BALL WINDING MACHINE

Hiram N. Huse, Providence, R. I.

Application January 15, 1936, Serial No. 59,210
10 Claims. (Cl. 242—3)



1. In a ball winding machine the combination of opposed rotary winding heads and rotary gripping means carried by said heads comprising rollers having rubber caps adapted to rotate thereon.

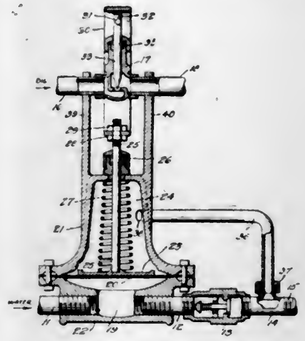
2,076,566

SAFETY CONTROL VALVE

George W. Isbell, Baltimore, Md.

Application March 21, 1932, Serial No. 600,310
3 Claims. (Cl. 137—153)

1. A safety control valve comprising a fluid supply line and a fuel supply line, a cut off valve in said fuel supply line, a pressure chamber in said fluid supply line, a back pressure chamber, a flexible diaphragm separating said chambers, means connecting said back pressure chamber to the fluid supply line, and means operable by said diaphragm upon increase in pressure in said back chamber over the pressure in said pressure cham-



ber to operate said cut off valve, said means being normally spaced from said cut off valve.

2,076,567

FREE CUTTING ALLOYS

Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application December 28, 1935, Serial No. 56,541
5 Claims. (Cl. 75—143)

3. A free cutting alloy containing from 3 to 12 per cent of copper, from 0.5 to 3 per cent of silicon and a total of from 0.05 to 6 per cent of at least two of the elements from the following metals, lead, tin, thallium, cadmium, and bismuth, to improve its machining properties, the balance being substantially aluminum.

2,076,568

FREE CUTTING ALLOYS

Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application December 28, 1935, Serial No. 56,542
5 Claims. (Cl. 75—141)

3. A free cutting alloy containing from 3 to 12 per cent of copper, from 0.1 to 3 per cent of zinc and a total of from 0.05 to 6 per cent of at least two of the elements from the following metals, lead, tin, thallium, cadmium, and bismuth, to improve its machining properties, the balance being substantially aluminum.

2,076,569

FREE CUTTING ALLOYS

Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application December 28, 1935, Serial No. 56,543
5 Claims. (Cl. 75—142)

3. A free cutting alloy containing from 3 to 12 per cent of copper, from 0.1 to 1 per cent of magnesium, from 0.5 to 2.5 per cent of silicon and a total of from 0.05 to 6 per cent of at least two of the elements from the following metals, lead, tin,

thallium, cadmium, and bismuth, to improve its machining properties, the balance being substantially aluminum.

2,076,570
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 28, 1935, Serial No. 56,544
5 Claims. (Cl. 75—141)

3. A free cutting alloy containing from 3 to 12 per cent of copper, from 0.1 to 3 per cent of zinc, from 0.1 to 1 per cent magnesium, and a total of from 0.05 to 6 per cent of at least two of the elements from the following metals, lead, tin, thallium, cadmium, and bismuth, to improve its machining properties, the balance being substantially aluminum.

2,076,571
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 28, 1935, Serial No. 56,545
5 Claims. (Cl. 75—140)

3. A free cutting alloy containing from 3 to 12 per cent of copper, from 0.005 to 0.1 per cent of tin, 0.5 to 2 per cent of silicon, and a total of from 0.05 to 6 per cent of at least two of the elements from the following metals, lead, thallium, cadmium, and bismuth, to improve its machining properties, the balance being substantially aluminum.

2,076,572
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 28, 1935, Serial No. 56,546
5 Claims. (Cl. 75—140)

3. A free cutting alloy containing from 3 to 12 per cent of copper, from 0.005 to 0.1 per cent of tin, from 0.1 to 3 per cent of zinc and a total of from 0.05 to 6 per cent of at least two of the elements from the following metals, lead, thallium, cadmium, and bismuth, to improve its machining properties, the balance being substantially aluminum.

2,076,573
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 28, 1935, Serial No. 56,547
5 Claims. (Cl. 75—142)

3. A free cutting alloy containing from 3 to 12 per cent of copper, from 0.1 to 1 per cent of magnesium, and a total of from 0.05 to 6 per cent of at least two of the elements from the following metals, lead, tin, thallium, cadmium, and bismuth, to improve its machining properties, the balance being substantially aluminum.

2,076,574
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 28, 1935, Serial No. 56,548
5 Claims. (Cl. 75—140)

3. A free cutting alloy containing from 3 to 12 per cent of copper, from 0.005 to 0.1 per cent of tin, and a total of from 0.05 to 6 per cent of at least two of the elements from the following metals, lead, thallium, cadmium, and bismuth, to improve the machining properties, one of said elements being in all cases cadmium, the balance being substantially aluminum.

2,076,575
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 28, 1935, Serial No. 56,549
5 Claims. (Cl. 75—142)

3. A free cutting alloy containing from 0.1 to 2 per cent of copper, from 0.5 to 2.5 per cent of silicon, from 0.1 to 1.5 per cent of magnesium, and a total of from 0.05 to 6 per cent of at least two of the elements from the following metals, lead, tin, thallium, cadmium, and bismuth, to improve its machining properties, the balance being substantially aluminum.

2,076,576
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 28, 1935, Serial No. 56,550
5 Claims. (Cl. 75—140)

3. A free cutting alloy containing from 3 to 12 per cent copper, from 0.2 to 2 per cent tin and a total of from 0.05 to 6 per cent of at least two of the elements from the following metals, lead, thallium, cadmium, and bismuth, to improve its machining properties, one of said elements being in all cases cadmium, the balance being substantially aluminum.

2,076,577
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 28, 1935, Serial No. 56,551
5 Claims. (Cl. 75—141)

3. A free cutting alloy containing from 0.1 to 1.5 per cent of magnesium, from 0.1 to 3 per cent of zinc, 0.5 to 2.5 per cent of silicon, and a total of from 0.05 to 6 per cent of at least two of the elements from the following metals, lead, tin, thallium, cadmium, and bismuth, to improve its machining properties, the balance being substantially aluminum.

2,076,578
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 28, 1935, Serial No. 56,552
4 Claims. (Cl. 75—147)

1. A free cutting aluminum base alloy containing from 0.1 to 1.5 per cent magnesium, from 0.5 to 2.5 per cent silicon, and a total of from 0.05 to 6 per cent of one of the group of free machining elements composed of lead and tin, the balance being substantially aluminum.

2,076,579
FREE CUTTING ALLOY
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application December 28, 1935, Serial No. 56,552. Divided and this application July 27, 1936, Serial No. 92,925
3 Claims. (Cl. 75—147)

1. A free cutting alloy containing from 0.1 to 1.5 per cent magnesium, from 0.5 to 2.5 per cent silicon, from 0.05 to 6.0 per cent lead and from 0.05 to 6 per cent tin, the total amount of lead and tin being not in excess of about 6.0 per cent, the balance being substantially aluminum.

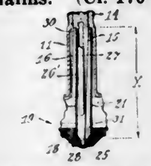
2,076,580
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 5, 1936, Serial No. 114,431
5 Claims. (Cl. 75—142)

1. An aluminum base alloy consisting of from about 3.5 to 7 per cent copper, about 0.1 to 1.5 per cent lead, about 0.1 to 1.5 per cent bismuth, about 0.05 to 1.5 per cent magnesium and from about 0.05 to 2.5 per cent of at least one of the group of elements composed of nickel and cobalt, the total amount of said elements not exceeding about 2.5 per cent, the balance of the alloy being aluminum.

2,076,581
METHOD OF REFINING GASOLINE
Morris S. Kharasch, Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 18, 1933, Serial No. 657,467
15 Claims. (Cl. 196—39)

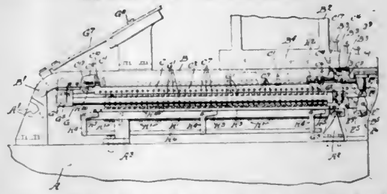
1. The method of refining gasoline containing mono-olefines and constituents more easily polymerizable than the mono-olefines which comprises contacting the gasoline with substantially anhydrous hydrofluoric acid alone in an amount sufficient to polymerize the more easily polymerizable constituents, maintaining the gasoline and hydrofluoric acid in contact until the polymerization of the more easily polymerizable constituents is complete, and then separating the hydrofluoric acid and polymerized constituents from the gasoline.

2,076,582
PROTECTOR FOR LAMP FUSES
John A. Linder, Montclair, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 27, 1936, Serial No. 82,021
5 Claims. (Cl. 176—30)



4. An incandescent electric lamp comprising a bulb, a flare tube having a press sealed to the neck of said bulb, a base secured to said bulb neck, lead wires extending from said press to said base, a fuse in a portion of one of said lead wires intermediate said press and base, and a flexible insulative tubular housing for said portion, said housing being compressed endwise between said base and said press to provide a closed chamber for said fuse to prevent the formation of an arc between said lead wires.

2,076,583
TYPEWRITER ADJUSTMENT AND SHUTTER BED
Chester A. Macomic, Chicago, Ill., assignor to Macomic Corporation, Chicago, Ill., a corporation of Delaware
Application August 7, 1935, Serial No. 35,111
19 Claims. (Cl. 276—3)



1. In combination, a base, a pattern bed including a pattern frame and a plurality of pattern pins movable in said frame and a pivotal connection between said pattern bed and said base, whereby the bed may be rotated in relation to said base.

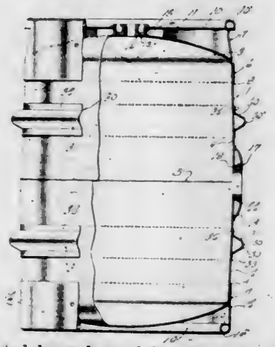
2,076,584
DETENT MECHANISM
Chester A. Macomic, Chicago, Ill., assignor to Macomic Corporation, Chicago, Ill., a corporation of Delaware
Application September 13, 1935, Serial No. 40,427
17 Claims. (Cl. 199—7)



1. In combination, a supporting bed, a plurality of strips longitudinally movable upon said bed, a latch member associated with each strip and adapted for latching cooperation with said bed, a pattern bed positioned above said strips, pattern elements in said bed, and actuating means for imparting longitudinal movement to the strips, including an actuating carriage and mem-

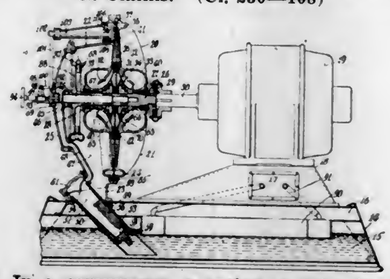
bers, rotatably mounted on said carriage, and additional members, rotatably mounted on said first mentioned members, adapted, in response to contact with said pattern elements, to rotate said latched members into latching position in relation to said supporting bed.

2,076,585
METAL BARREL
Herman Merker, Milwaukee, Wis., assignor to Pressed Steel Tank Company, West Allis, Wis., a corporation of Wisconsin
Application April 26, 1933, Serial No. 667,960
3 Claims. (Cl. 220—71)



1. A metal beer barrel having a bung hole, a separate bung fixture plate disposed on the outside of the barrel and having a peripheral edge encircling said bung-hole and welded to the barrel, said plate having an opening alined with the bung hole of the barrel, and a bung bushing positioned in and extending between said bung hole and said opening and welded to the fixture plate and to the barrel, said bung bushing having shoulders positively interengaged with the barrel structure and with the fixture plate respectively, the weld between the inner end of the bushing and the barrel completely sealing the joint therebetween and preventing communication between the interior of the barrel and the space between the bung fixture plate and the outside of the barrel.

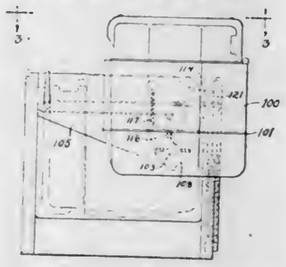
2,076,586
FLUID COMPRESSOR
Warren Noble, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 28, 1934, Serial No. 713,332
32 Claims. (Cl. 230—108)



1. In a compressor, a casing, a rotor therein, a liquid constrained to movement through said casing and to which centrifugal force is imparted by said rotor, means carried by said rotor for effecting entraining of air by said liquid, and separate liquid and air discharges having direct communication with said rotor at radially different portions of the latter.

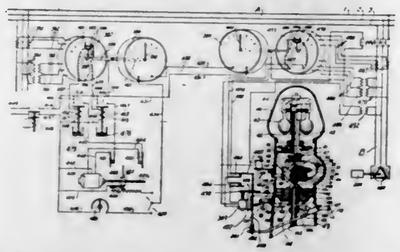
32. In a compressor, in combination, a rotor rotatable on a stationary axis and providing an outer thin smooth annular portion of substantial radial extent, and a housing cooperating with said rotor to provide a passage for fluid of diminishing dimension, axially of the rotor, towards the periphery of the latter.

2,076,587
CONVERTIBLE WASHING MACHINE CONSTRUCTION
George K. Parsons, Detroit, Mich.
Application March 9, 1935, Serial No. 10,193
4 Claims. (Cl. 248—13)



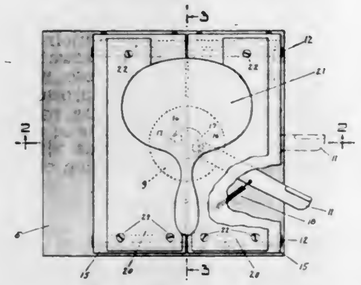
1. Supporting means for household devices and the like comprising in combination with a pair of spaced standard portions, a support element swingable about a substantially horizontal axis in said standard portions, a rockable sub support element swingable about an axis transverse to and below the first for carrying a desired load, and interlocking detent means for preventing swinging of one of said elements until the other has been moved to a predetermined degree.

2,076,588
SYSTEM FOR LOADING GENERATORS
Erick Pearson, Chicago, Ill.
Application August 19, 1931, Serial No. 558,024
Renewed November 16, 1934
18 Claims. (Cl. 290—40)



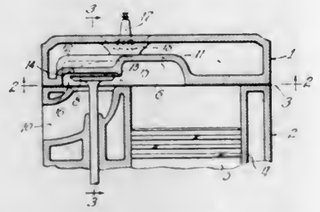
6. A generator-load controlling apparatus for a generator and prime mover plant connected to a distributing line which is connected to a further source of current, comprising a device energized in accordance with the intensity of the current flowing from said further source, and means controlled by said device for controlling said prime mover to cause said generator to deliver more or less current to the line in proportion to the current flowing from said source.

2,076,589
MULTICOLOR PRINTING ON ARTICLES OF IRREGULAR SHAPE
Rene P. Piperoux, Radburn, N. J., assignor to Celluloid Corporation, a corporation of New Jersey
Application February 11, 1932, Serial No. 592,228
2 Claims. (Cl. 101—211)



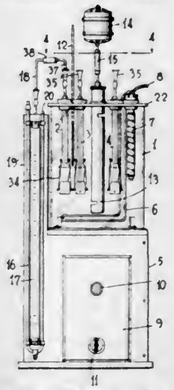
2. The method of applying a multicolored design to a batch of articles of substantially the same irregular shape by the use of a separate heated die for each color, which comprises the steps of placing each irregular-shaped article of the batch in succession on a platen, adjusting the position of each article on said platen and gripping it in the said position by causing a plurality of surfaces located around the article to advance simultaneously towards the article, to contact the article at a plurality of points around the irregular periphery thereof, at the same rate so that they simultaneously reach the desired positions of the portions of the edges of the article with which they contact, such surfaces being so shaped as substantially to conform to the contour of the portions of the edges of the article with which they contact, printing each article while so positioned, replacing the heated die with another for a different color in exactly the same position, again positioning and printing the succession of articles as before, and continuing the process with further heated dies for further colors as necessary.

2,076,590
INTERNAL COMBUSTION ENGINE
Arthur W. Pope, Jr., Waukesha, Wis., assignor to Waukesha Motor Company, Waukesha, Wis., a corporation of Wisconsin
Application August 22, 1928, Serial No. 301,346
17 Claims. (Cl. 123—191)



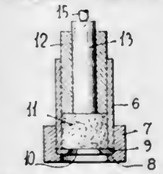
1. In an internal combustion engine, a cylinder, a piston reciprocating in the cylinder, inlet and exhaust passages, valves controlling said passages, and a head having a combustion chamber overlying the valves and a portion of the cylinder area, said head having a recess disposed and adapted for reception of the exhaust valve when the latter is in raised position.

2,076,591
APPARATUS FOR DETERMINING THE CONSISTENCY OF MATERIALS
Edmund O. Rhodes, and Ernest W. Volkmann, Pittsburgh, and Charles T. Barker, Mount Lebanon, Pa., assignors, by mesne assignments, to Koppers Company, a corporation of Delaware
Application June 24, 1935, Serial No. 28,218
3 Claims. (Cl. 265—11)



1. Apparatus for determining the consistency of meniscus-forming fluid materials, in which apparatus the said materials are made to rise in a tube and the rate of rise therein is observed; the said apparatus comprising in combination a vessel for a constant temperature bath, a rotatable cover plate for the said vessel the said cover plate being provided with one or more openings each adapted to receive a testing unit, the said testing unit extending into the said vessel and being rotatable with the said cover plate and comprising a tube having connected to its end within the vessel a container for material to be tested, a testing tube within the first-named tube and extending into the container, means for selectively connecting a testing tube upon rotation of the said cover plate to suction means, the said suction means including a vacuum reservoir, means for determining the degree of vacuum, and means indicating distance along the length of a testing tube whereby the rate of rise of material in the said testing tube at a given vacuum is observed.

2,076,592
METHOD OF AND MEANS FOR TESTING
Edmund O. Rhodes, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, a corporation of Delaware
Application October 23, 1935, Serial No. 46,364
5 Claims. (Cl. 265—11)



1. In apparatus for testing the stability of plastic and semi-plastic materials and mixtures,

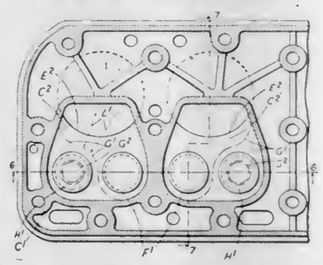
the said apparatus including a mold adapted to receive a test specimen, the said mold being provided with an outlet orifice and a plunger orifice, a plunger movable into the said mold and in alinement with the said outlet orifice, means for actuating the said plunger to load the test specimen, and means for indicating the resistance developed in forcing a portion of the said test specimen through the said outlet orifice; the surface area of the face of the said plunger in contact with the surface of the test specimen being slightly less than to substantially the same as the area of the said outlet orifice but not as great as the area of the face of the specimen acted on by the said plunger.

2,076,593

CYLINDER OF INTERNAL COMBUSTION ENGINES

Harry Ralph Ricardo, London, England

Application September 17, 1928, Serial No. 306,526
In Great Britain October 5, 1927
16 Claims. (Cl. 123—191)



1. In an internal combustion engine the combination of a cylinder with valve-controlled inlet and exhaust ports situated at the side thereof, a combustion chamber at the end of the cylinder lying over the valve-controlled ports with a part of it overlapping a portion of the cylinder bore with which the combustion chamber is in open communication, an inwardly directed projection in the combustion chamber forming beneath it and in the neighbourhood of the exhaust port a subsidiary pocket-like part of the combustion chamber which is open to and in free communication with the main part of the combustion chamber and whose volume is such that at the end of the compression stroke there will lie in this subsidiary part of the combustion chamber a portion of the charge constituting not more than 25% of the whole gaseous charge, and means for igniting first that part of the charge which lies in the said subsidiary part of the combustion chamber.

2,076,594

PREPARATION OF CELLULOSE XANTHATE SOLUTIONS

George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

No Drawing. Application July 8, 1933, Serial No. 679,585. Renewed March 20, 1936
11 Claims. (Cl. 260—100)

1. In the manufacture of cellulose xanthate, those steps which comprise pulverizing cellulose to fine particle size, and then causing such pulverulent cellulose to react simultaneously with carbon bisulphide and a solution of alkali under non-mercerizing conditions of both alkalinity and temperature.

2,076,595

PREPARATION OF VISCOSE SYRUPS

George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

No Drawing. Application August 26, 1933, Serial No. 687,016
1 Claim. (Cl. 260—100)

A process which comprises mechanically subdividing cellulose to a particle size of about 200 mesh in water containing sufficient caustic soda dissolved therein and under conditions substantially to prevent hydration or gelatinization of the cellulose, proportioning the cellulose, water, and caustic soda in the conduct of the process to yield an aqueous suspension of cellulose particles of caustic soda and cellulose contents of about 7% each, and mixing carbon bisulphide with the resulting suspension to form a solution of cellulose xanthate.

2,076,596

PREPARATION OF CELLULOSE XANTHATE SOLUTIONS

George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

No Drawing. Application August 20, 1935, Serial No. 37,043
5 Claims. (Cl. 260—100)

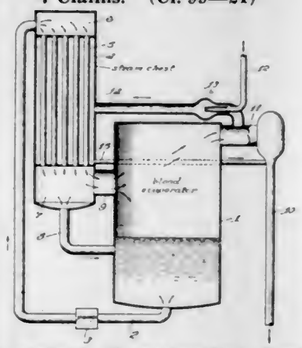
1. In the production from substantially unreduced cellulose fiber of cellulose xanthate solution, that practice which comprises bringing together for reaction all at the same time cellulose fiber of a solution viscosity less than 1, water, caustic soda, and liquid carbon bisulphide in proportions calculated to yield directly a cellulose xanthate solution of a cellulose and caustic soda content each falling within the range of 6% to 10%, based on the weight of all the reacting ingredients, and mixing all of said ingredients while keeping them at a temperature of about 15° to about 20° C. for a sufficient period of time to cause them to react substantially to completion to yield cellulose xanthate solution of such cellulose and caustic soda content in a single mixing step.

2,076,597

METHOD OF PRODUCING LIQUID EVAPORATED BLOOD

Adrian A. Robinson and Henry C. Dormitzer, Chicago, Ill., assignors to Wilson & Co., Inc., a corporation of Delaware

Application March 16, 1935, Serial No. 11,508
7 Claims. (Cl. 99—21)



1. The method of evaporating liquid blood which comprises heating a liquid body of blood

to a temperature of the order of 100 to 110° F. under a high vacuum while continuously circulating the liquid in the form of many small streams moving at high velocity through a heating zone, the temperature of the heating zone being maintained at all points below 135° F., and continuing the heating and circulation until the blood has a solid content of the order of 30 to 45%.

2,076,598

COTTON PICKING MACHINE

John D. Rust and Mack D. Rust, Memphis, Tenn.

Application April 22, 1935, Serial No. 17,733
1 Claim. (Cl. 56—40)



A cotton picking machine comprising a housing having side and end walls, the end walls having openings for the passage of plants into and out of the housing, said housing including transverse channel plates at the top spaced apart in the longitudinal direction of the machine and removable lids bridging the spaces between said channel plates and having flanges to overlie the flanges of the channel plates, said channel plates functioning as gutters to deflect water to and over the side walls of the machine, and a cotton picking mechanism located within the housing.

2,076,599

PAPER FOR TOWELING AND OTHER PURPOSES

Milton O. Schur, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

No Drawing. Original application April 6, 1931, Serial No. 528,229. Divided and this application August 30, 1935, Serial No. 38,575
8 Claims. (Cl. 91—68)

1. An article of the character described comprising a thin sheet of paper composed substantially of cellulose fibers in open formation, the fibers throughout the sheet being substantially enveloped by only thin films of soft albuminous adhesive which is temporarily water-resistant for a substantial period, said films bonding together said fibers at their regions of contact and the interstices between the thus bonded fibers being open, whereby the article is characterized by thinness, softness, flexibility, porosity and high wet strength.

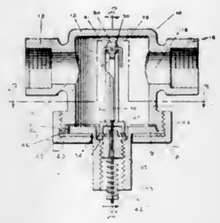
2,076,600

FLOW CONTROLLED DEVICE

William B. Smith, Washington, D. C.

Application May 27, 1936, Serial No. 82,136
20 Claims. (Cl. 182—12)

1. A device of the class described comprising a body having a through flow passage, a pivotally mounted vane normally extending transversely of the line of flow through said passage, said vane being swingable under the force of fluid traversing said passage, there being an orifice communicating with said passage, a movable valve element controlling said orifice, cam means



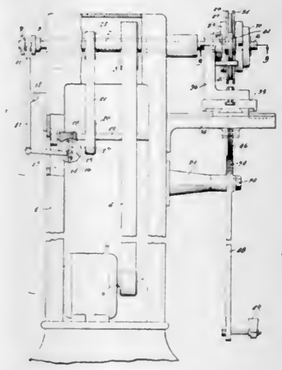
rocked as a result of swinging of said vane, and follower means engaging said cam means and connected to said valve element for controlling the latter in dependence upon the position of said vane.

2,076,601

LAPPING MACHINE

Arthur J. Strong, Highland Park, Mich.

Application April 18, 1935, Serial No. 16,984
7 Claims. (Cl. 51—58)



1. In a lapping machine, a rotatable shaft, a pair of friction disks mounted on said shaft with one of said disks secured to said shaft, the other of said disks being longitudinally movable relative to said shaft, and resilient means normally urging said disks together.

2,076,602

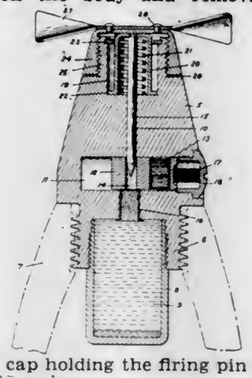
FUSE FOR PROJECTILES

Harold G. Towner, New Haven, Conn.

Application June 24, 1936, Serial No. 87,017
5 Claims. (Cl. 102—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. A fuse including a body, a firing pin in the body, a spring normally tending to move the

firing pin to an extruded firing position, a cap threaded on the body and removable during



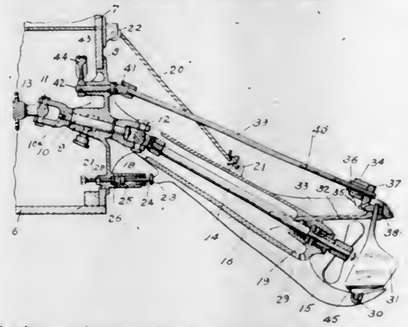
flight, said cap holding the firing pin against the action of its spring.

2,076,603

BOAT PROPELLING MECHANISM

Robert T. Svendsen, Minneapolis, Minn., assignor of one-half to David G. Chandler, Minneapolis, Minn.

Application December 18, 1933, Serial No. 702,920
17 Claims. (Cl. 115—41)



1. An outboard drive unit for a boat comprising a frame pivotally secured to and extending rearwardly from the boat for vertical adjustment with respect thereto, a propeller shaft mounted in the frame and having a propeller secured upon the rear end thereof with its axis inclined to create a downward and rearward propeller thrust, the axis of said shaft and propeller being operatively disposed at an acute angle with respect to the horizontal, and a pair of spaced, substantially horizontal plate members carried by the rear end of the frame, for vertical adjustment therewith with respect to the boat and with one of such plates disposed to receive and rearwardly deflect the propeller thrust in the water.

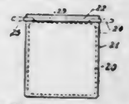
2,076,604

CLEANING PAD

John M. Watson, New York, N. Y., assignor to Padco Inc., a corporation of New York

Application March 25, 1935, Serial No. 12,821
2 Claims. (Cl. 51—186)

1. A cleaner wad comprising a piece of paper impregnated with a mixture comprising a wax solvent of a higher volatility than kerosene, a second wax solvent of a volatility corresponding to kerosene, a wax, an abrasive, and a polishing agent adapted to maintain said mixture in a con-



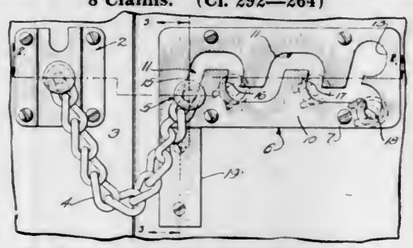
dition for immediate use on the work to be cleaned.

2,076,605

BOLT AND CHAIN LOCK

Frank R. West, Detroit, Mich.

Application February 26, 1934, Serial No. 712,932
8 Claims. (Cl. 292—264)



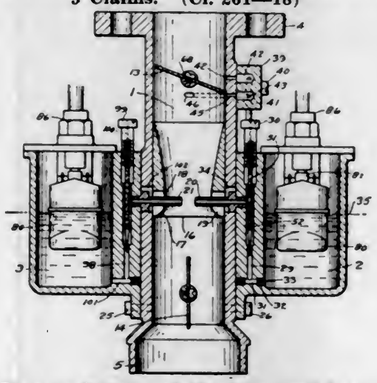
1. A safety lock of the bolt and chain type for securing a door in a plurality of partially open positions, comprising a part for attachment to a door casing including a flexible connection and a lock member, a retainer member adapted to be used on a right hand or left hand door, secured to the door and having a substantially continuous tortuous slot for receiving said locking member, the median line through said tortuous slot being substantially horizontal, said slot having a plurality of surfaces against which the lock member is adapted to automatically contact by gravity and temporarily but fixedly abut to hold the door in a plurality of partially opened positions, the end of said slot branching off in one direction and being so shaped as to hold the lock and door in closed position.

2,076,606

CARBURETOR

Martin Winter, New York, N. Y.

Application November 13, 1934, Serial No. 752,859
5 Claims. (Cl. 261—18)



1. In a carburetor of the type used for internal combustion engines, a vertical tubular mixing chamber, reservoirs positioned at each side of said tubular chamber, inlet connections from said reservoirs to said vertical chamber, means in said inlet connections controlling the amount of fluids passing into said mixing chamber, an auxiliary connection from one of said reservoirs to the outlet end of said mixing chamber, secondary connections from said reservoirs to said mixing chamber, nozzles extending into said mixing chamber from the opposite sides thereof, said nozzles communicating with both the inlet and secondary connections from the reservoirs, means in said secondary connections for controlling the flow of fluids therethrough, and cross-communicating passages between the said inlet connections from the reservoir to the mixing chamber and also said secondary connections.

2,076,607

PROCESS FOR COLOR REMOVAL

John C. Woodhouse, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 27, 1934, Serial No. 750,281
16 Claims. (Cl. 260—134)

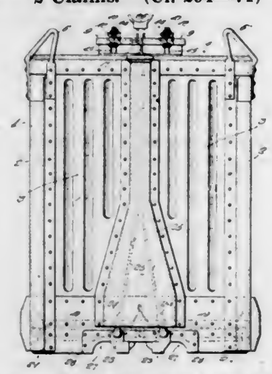
1. A process for the removal of color and aldehyde from the substantially alcohol-free ketone-aldehyde-hydrocarbon-containing mixture, included in but which has been removed from the higher alcohols-containing mixture which is in turn obtained by the catalytic hydrogenation of oxides of carbon under pressure, which comprises treating said ketone-aldehyde-hydrocarbon-containing mixture with alkali metal.

2,076,608

CONTAINER FOR CONTAINER CARS

Graham C. Woodruff, Bronxville, N. Y., assignor to The L. C. L. Corporation, a corporation of Delaware

Application January 3, 1936, Serial No. 57,425
2 Claims. (Cl. 294—71)



1. A container of the character described comprising a body having a top inlet and a bottom outlet, drop doors for closing the outlet, housings on two opposite side walls of the container, controlling elements for the drop doors extending through the housings, and posts on said walls of the housings projecting outwardly from said walls to at least the same distance as the housings.

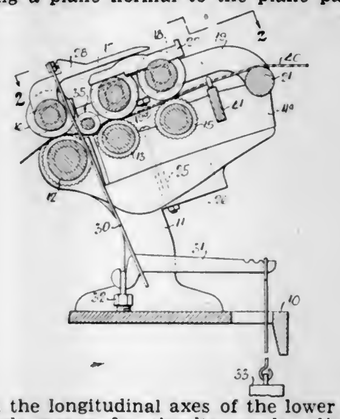
2,076,609

DRAWING MECHANISM

Robert J. Adams, Thomaston, Ga., assignor of one-half to Julian T. Hightower, Thomaston, Ga.

Application June 28, 1935, Serial No. 28,906
2 Claims. (Cl. 19—130)

1. Drawing mechanism for textile slivers, rovings and the like having long and short fibers therein, comprising lower front, intermediate and rear fluted rolls, upper front, intermediate and rear rolls, means for applying pressure to said upper rolls to press them against the lower rolls, an additional upper roll mounted between the upper front and intermediate rolls, means for guiding said additional roll for movement towards and away from the lower intermediate roll along a plane normal to the plane passing



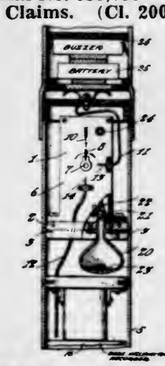
through the longitudinal axes of the lower rolls, and single means for simultaneously adjusting the guiding means for said additional roll along with the upper front roll with relation to said intermediate lower roll to change the points of contact of said additional roll with the intermediate lower roll independently of the position occupied by the intermediate rolls to correspond to the length of the short fibers present on the sliver, rovings and the like.

2,076,610

INSTRUMENT FOR SURVEYING BORE HOLES

Alexander Anderson, Fullerton, Calif.

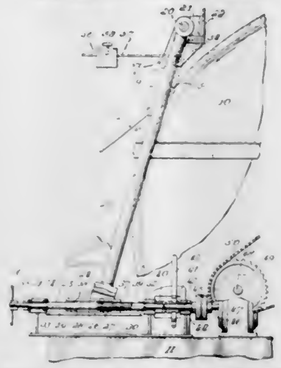
Original application May 11, 1927, Serial No. 190,641. Divided and this application October 20, 1932, Serial No. 638,790
4 Claims. (Cl. 200—35)



1. In apparatus for controlling the operation of a bore surveying instrument, the combination comprising, an electrical contact, a clock movement including a driven gear, a movable contact operated by said clock movement for periodically engaging said first mentioned contact, an open mouth container having the mouth thereof positioned in close proximity to said gear, and shot

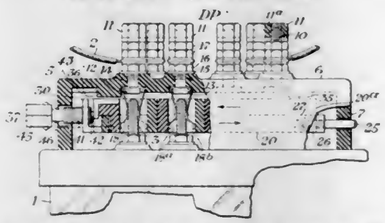
disposed in said container that are adapted to fall into the mouth thereof to engage said gear to stop the clock movement when the said instrument is in a predetermined inoperative position.

2,076,611
ROTARY FILTER
August J. Barnebl, Chicago, Ill., assignor to Swenson Evaporator Company, Harvey, Ill., a corporation of Illinois
Application June 27, 1935, Serial No. 28,667
5 Claims. (Cl. 210—201)



1. A filter comprising a rotary filtering surface, a knife adapted to shave material off said surface, means for maintaining said knife in spaced relation to said surface whereby only a part of said material is removed by the knife, and means for applying pressure on said material in the cutting position immediately in front of the cutting edge of the knife.

2,076,612
DETACHABLE TERMINAL PLATE FOR ELECTRICAL APPARATUS
Charles R. Beall, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 2, 1935, Serial No. 184
13 Claims. (Cl. 173—328)



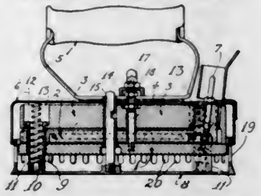
3. In combination with an electrical operating unit having terminals for making connections with outside circuits, a detachable terminal plate having terminal posts mounted thereon for receiving the connecting wires of outside circuits, one terminal post for each terminal of the operating unit, an extending spring contact finger secured to each post on the side of said plate opposite the connecting wires, a clamping plate mounted adjacent the same side of the detachable plate as the contact fingers, said clamping plate constructed of insulating material and provided with openings, one opening for each contact finger to pass through, means for mounting the detachable plate on the operating unit with the contact finger of each post adjacent a corresponding terminal, and manually operable means effective to move the clamping plate for forcing the contact fingers into engagement with the respective terminals.

2,076,613
BOMB
Warren F. Bleecker, Boulder, Colo., assignor to Zero Hour Torpedo Company, Casper, Wyo., a corporation of Wyoming
Application March 15, 1935, Serial No. 11,219
14 Claims. (Cl. 102—4)



1. In a time controlled bomb, a rotatable breech block having an opening for the reception of a cartridge, a firing pin associated therewith, the breech block and the firing pin being arranged whereby the breech block must be rotated to bring the opening out of alignment with the firing pin to permit the insertion of a cartridge, time controlled mechanism governing the return of the breech block to its original position whereby the cartridge is brought into alignment with the firing pin, and time controlled mechanism for actuating said firing pin.

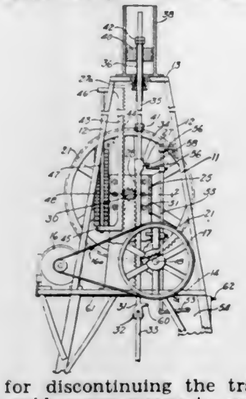
2,076,614
FLATIRON
Hyman D. Bowman, Pittsburgh, Pa.
Application August 29, 1935, Serial No. 38,421
7 Claims. (Cl. 38—74)



1. In combination with a flatiron, a sub-base having a peripheral flange arranged to freely receive, surround, and guide the base of the flatiron and adapted to rest on the goods being ironed, and spring actuated means mounted on the sub-base to lift the flatiron above the sub-base when pressure thereon is removed.

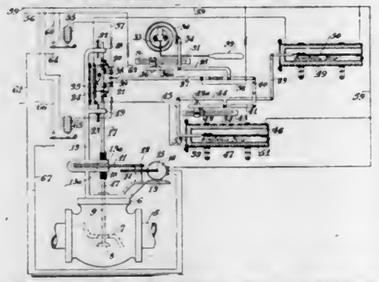
2,076,615
WELL PUMPING DEVICE
Albert Bullock, El Monte, Calif.
Refiled for abandoned application Serial No. 614,525, May 31, 1932. This application August 24, 1936, Serial No. 97,663
16 Claims. (Cl. 74—29)

1. A pumping device of the character described, for use with a pump having a reciprocable operating member extending upwardly therefrom, including: a motivating member adapted to reciprocatory movement; means for operatively supporting said motivating member; mechanism for moving said motivating member through an operating stroke in a direction to produce a pumping stroke of said operating member; power means adapted to exert force in said mechanism to move said motivating member in said direction; and means controlled automatically in accordance with the position of said motivating



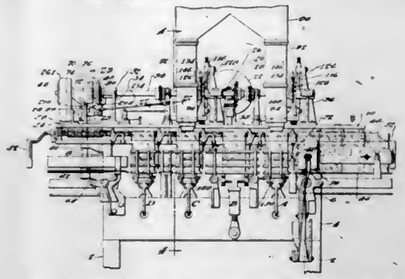
member for discontinuing the transmission of power by said power means to said mechanism when said motivating member arrives at a position near the end of its operating stroke and reestablishing transmission of power by said power means to said mechanism when said motivating member is at a position near the start of its operating stroke, there being means for applying potential forces to move said motivating member in direction reverse to said operating stroke when said transmission of power is discontinued.

2,076,616
REGULATOR
Ralph E. Clarridge, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application October 8, 1935, Serial No. 44,033
10 Claims. (Cl. 236—74)



1. An automatic system for maintaining a predetermined condition such as temperature, pressure and the like, comprising means responsive to any deviation from said predetermined condition, a movable element for applying an agent for maintaining said condition, and mechanism controlled by said means and including at least one thermal time delay unit for effecting an initial and a subsequent gradual movement of said element, means for heating said unit in accordance with the magnitude of said deviation, the amount of said initial movement and the rate of said gradual movement thereof being a function of the amount of deviation from said predetermined condition.

2,076,617
WEIGHING MACHINE
William S. Cleaves, Wollaston, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application July 13, 1934, Serial No. 734,984
13 Claims. (Cl. 249—59)



1. In a weighing machine, in combination, a weighing scale having a counterweight, means for feeding the material to be weighed onto the scale, means for testing the weight of loads weighed by the scale, and mechanism controlled by said testing means for varying the effective counter-weight upon the scale for the purpose specified.

2,076,618
COIL TESTER
Ansel A. Cooper, Philadelphia, Pa.
Application December 13, 1935, Serial No. 54,195
3 Claims. (Cl. 175—183)

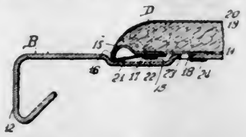


2. In a coil tester, a body portion having a chamber open to the atmosphere, a conducting member extending from said chamber, a cap, a screw driver fixed to said cap and movably carried by said body portion to form with said conducting member a variable spark gap on relative movement of said cap and body portion, graduations on said body portion uncovered by said cap to determine the condition of a coil under test, and means electrically connected with said screw driver to receive an electric conductor from a coil to be tested.

2,076,619
CHAIR CUSHION
Gustav F. Corduan, Chicago, Ill., assignor to Corduan Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 28, 1935, Serial No. 47,115
3 Claims. (Cl. 155—184)

1. In combination with a chair frame comprising a metallic supporting plate having an inner

flat portion formed with a plurality of spaced apart openings and surrounded by a depressed portion, a chair cushion comprising a sheet metal back plate having a first series of rearwardly projecting prongs punched therefrom adjacent the edge portions of the back plate, a central flat portion adapted to engage the flat portion of the supporting plate, and a second series of rearwardly projecting prongs punched from the flat central portion of the back plate, padding material positioned on the front face of the plate, a



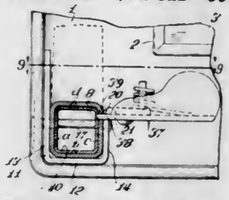
sheet of covering material stretched over the padding and around the edges of the back plate, the first series of prongs being passed through the edge portions of the sheet and bent toward the back plate to hold the sheet in position, and the second series of prongs being passed through the openings in the supporting plate to secure the cushion to the chair with the flat central portion of the back-plate in engagement with the inner flat portion of the supporting plate, and the bent portions of the outer series of prongs overlying the depressed portion of the supporting plate.

2,076,620

TABLE LEG LOCK

Gustav E. Corduan and Walter E. Corduan, Chicago, Ill., assignors to Corduan Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 16, 1936, Serial No. 69,126
8 Claims. (Cl. 311—99)



1. In combination with a table-top frame and a leg pivotally attached to the table near one corner thereof so as to be swung from a folded position parallel to the table-top to an upright supporting position at right-angles to the top, there being an opening formed in the upper portion of the leg, means carried by the frame for holding the leg in upright position, said means comprising a member pivoted intermediate its length for swinging movement in a plane at substantial right-angles to the plane of swinging movement of the leg so that one end portion will swing into and out of locking engagement with the opening in the leg, and a spring for automatically moving the member into locking position.

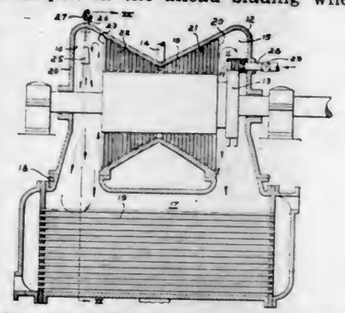
2,076,621

REVERSING TURBINE

James A. Davies, Media, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 1, 1936, Serial No. 103,475
4 Claims. (Cl. 60—95)

1. The combination with a turbine having ahead and astern blading and provided with separate exhaust chambers, of condensing means in communication with said exhaust chambers and means for conveying to the condensing means heat developed in the ahead blading when ro-



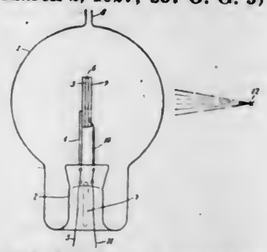
tated idly and including means for circulating steam contiguously to the exhaust end of the ahead blading and in contact with the condensing means.

2,076,622

PHOTOELECTRIC DEVICE

Jan Hendrik de Boer and Willem Christiaan van Geel, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware

Application May 11, 1931, Serial No. 536,647
In the Netherlands May 10, 1930
14 Claims. (Cl. 136—89)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. A photoelectric device comprising a sealed vessel with a transparent wall and enclosing a metal plate electrode, a cooperating photoelectric electrode exposed to said wall and comprising a film of a metal which has a work function no greater than two and one half volts and selected from the group including the alkali metals and cadmium, barium and calcium, a thin separating layer of solid insulating particles interposed between and in contact with substantially the entire areas of said electrodes, and electrical conductors respectively contacting and connected to said electrodes.

2,076,623

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Bernhard Keiser, Webster Groves, Leonard L. Faure, Kirkwood, and Arthur F. Wirtel, Webster Groves, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri

No Drawing. Application March 16, 1936, Serial No. 69,222
7 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a cyclohexylamine salt of an alkylated naphthalene sulfonic acid, in which at least one alkyl group contains at least three carbon atoms and not more than ten carbon atoms.

2,076,624

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, St. Louis, Mo., assignor to The Tret-O-Lite Company, Webster Groves, Mo., a corporation of Missouri

No Drawing. Application November 16, 1936, Serial No. 111,175
14 Claims. (Cl. 196—4)

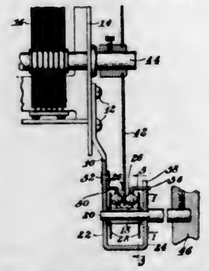
1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a substance produced by sulfonating an alkali-soluble condensation material obtained by reaction between an alkylene oxide body and a resin body derived in part from a phenol.

2,076,625

REDUCTION GEAR DEVICE

Donald R. De Tar, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 28, 1934, Serial No. 713,260
3 Claims. (Cl. 74—10)



1. A reduction-gear device for adjusting electrical tuning apparatus provided with an actuating member, said device comprising a U-shape supporting member, a driving member in the form of a spool journaled in said supporting member for rotation about an axis transverse thereto and provided with end pieces having frictional driving surfaces, a pair of balls disposed between said surfaces on the same side of said axis, a U-shape ball retainer extending across said supporting member from side to side thereof and provided with openings in which said balls are disposed and have a free running fit for rotation about substantially parallel axes each substantially perpendicular to the axis of rotation of said spool, said ball-race having at least one end thereof fixed to a side of said supporting member, said device being adapted to receive an edge of said actuating member between said balls whereby frictional driving engagement is made and maintained between said balls and the respective opposite faces of said edge and between said balls and said surfaces, and means for rotating said spool.

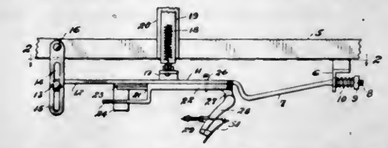
2,076,626

ROAD GRADER

John A. Dickey, Stayner, Ontario, Canada

Application November 6, 1936, Serial No. 109,410
In Canada November 5, 1935
5 Claims. (Cl. 37—156)

1. A road grader composed of a wheeled frame, a turntable substantially horizontally disposed thereunder incorporating a non-rotatable member and a rotatable member, a transverse drawbar depending from the frame in advance of the turntable, a draft member forwardly extending from the non-rotatable member aforesaid and swivelly connected to the drawbar in longitudinal alignment with the centre of the turntable, the swivel connection being such as to permit a universal movement of the turntable, a transverse hanger submounted on the rotatable member aforsaid, a scraper blade carried thereby, a pair



of spaced arms rearwardly extending from said non-rotatable member, depending bars spaced correspondingly to the spacing of said arms, the upper ends of said bars being pivoted to the aforesaid frame to swing forwardly and rearwardly thereof, the depending extent of the bars having a lateral thrust-sustaining connection with the distal ends of the respective arms whereby the arms have unhampered vertical movement on the bars, and means carried by the aforesaid frame for raising, lowering, or transversely tilting the turntable relative thereto.

2,076,627

TOY

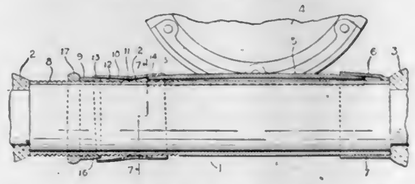
Crice L. Duley, Mounds, Ill., assignor of one-third to William Duley, Mounds, Ill.

Application April 22, 1935, Serial No. 17,699
1 Claim. (Cl. 46—108)

In a toy, a base, a figure over the base representing an animal and including a body having a neck and a head at its front end, front and rear legs pivoted to the body, the front legs having their lower ends fixed to the base and the rear legs being free from the base, means for imparting tilting movement to the body about upper ends of the front legs and swinging movement to the rear legs, a rider over said animal having pivoted legs and forwardly projecting hands, a yoke straddling the neck of the animal and consisting of a bridge portion at its upper end loosely engaged through the hands of the rider to mount the rider for swinging movement about the bridge and arms extending from the bridge portion at opposite sides of the neck of the animal and at their lower ends pivotally connected with the

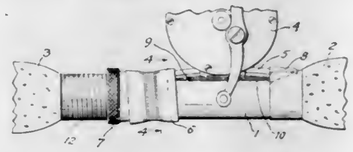
head of the animal at opposite sides thereof to mount the yoke for swinging movement longitudinally of the animal, means to limit forward and rearward swinging movement of the yoke, the arms of the yoke projecting upwardly from the neck and head of the animal a distance greater than the distance between the hands and the upper and lower ends of the body of the rider whereby when forward movement of the yoke is stopped the rider may swing forwardly over the yoke and then downwardly and rearwardly through the yoke and upwardly and land in a standing position upon the back of the animal as the yoke moves rearwardly.

2,076,628
REEL SEAT FOR FISHING RODS
William E. Edwards, Mount Carmel, Conn., assignor to The Horton Manufacturing Company, a corporation of Connecticut
Application June 1, 1935, Serial No. 24,573
25 Claims. (Cl. 43—22)



1. In a reel seat, a barrel, a socket forming member thereon, a cooperating socket forming sleeve rockably mounted on the barrel, and means for rocking said sleeve into clamping position.

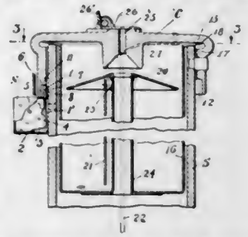
2,076,629
REEL SEAT ASSEMBLY
William E. Edwards, Mount Carmel, Conn., assignor to The Horton Manufacturing Company, a corporation of Connecticut
Application June 22, 1935, Serial No. 27,982
17 Claims. (Cl. 43—22)



1. In a reel seat assembly, a reel seat carrying reel base securing means, and frictional seat forming means having a roughened surface engageable with a reel base from beneath for inhibiting slipping thereof.

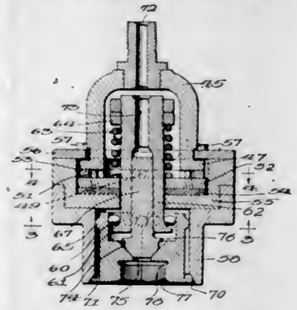
2,076,630
REGISTERING DEVICE FOR GASOLINE TANKS
Moritz Gaertner, New York, N. Y.
Application July 20, 1932, Serial No. 623,542
1 Claim. (Cl. 235—94)

In a registering device capable of being attached to the outside of a filling pipe having a removable cap, the combination comprising a registering device mounted on said filling pipe, a housing for said registering device, an upwardly projecting rod adapted to co-operate with the lower edge of said cap and to actuate said registering device when said cap is removed, and a protecting angle for said rod mounted on said



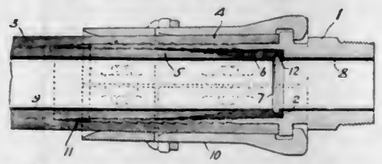
housing to prevent accidental actuation of said registering device.

2,076,631
CAPPING MACHINERY
Howard E. Gantzer, Kenmore, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application August 3, 1933, Serial No. 683,432
16 Claims. (Cl. 226—88)



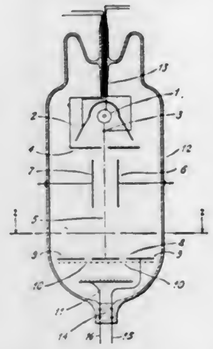
1. In a container capping machine, a rotary cap applying chuck comprising a rotatable body, cap engaging jaws associated therewith, friction means transmitting torque from said body to said jaws, and spring means to control the torque transmitted to said jaws, said spring means also acting to close said jaws.

2,076,632
HOSE END AND COUPLING STRUCTURE
Howard W. Goodall, Aldan, Pa.
Application May 14, 1935, Serial No. 21,391
2 Claims. (Cl. 285—84)



1. A hose end structure comprising a tubular metal coupling shank of two internal diameters having an internal shoulder between them and a hose of which the wall is circularly split at its end portion, said shank arranged in said split between the branches thereof, a rubber tip arranged at the end of the inner branch and terminating at the shoulder, means for clamping the outer branch onto the outer surface of said shank, and a filet arranged in the crotch of the split.

2,076,633
ELECTRON TUBE
Donald Graydon Haines, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1933, Serial No. 673,571
8 Claims. (Cl. 250—27.5)



1. An electron device comprising a cathode and an anode, between which an electron beam is developed by the application of suitable voltages, a second anode formed of alternate sections having high and low secondary electronic emission properties, an auxiliary anode adjacent the second anode and having low secondary electronic emission properties of substantially the same order as the low secondary electron emitting portion of the second anode, means for causing the electron beam to traverse the several sections of the second anode member.

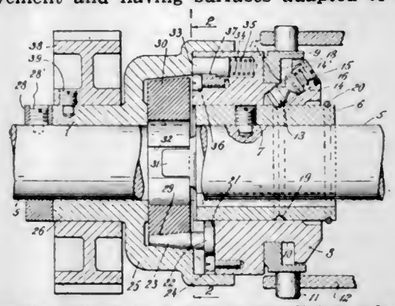
2,076,634
TOILET ARTICLE
Nathan A. Hallwood, Columbus, Ohio, assignor of one-half to W. S. Cowan, Columbus, Ohio
Application July 10, 1934, Serial No. 734,525
6 Claims. (Cl. 132—85)



1. In a toilet article of the class described, a comb body formed with recesses at its ends which are open at their lower ends, a brush carrying frame arranged in connection with said comb body and having its ends pivoted to links occupying said recesses.

2,076,635
CLUTCH
Frederick H. Halstead, Albany, N. Y., assignor to Ramsey Chain Company, Inc., Albany, N. Y., a corporation of New York
Application October 17, 1935, Serial No. 45,428
17 Claims. (Cl. 192—47)

1. In a two-way-acting clutch, driving and driven members, one of the members having a conical inner surface, and power-transmitting means between the members including conical rollers and a ring capable of a limited rotary movement and having surfaces adapted to en-



gage the rollers in power-transmitting relation when the parts are rotating in either direction.

2,076,636
MATERIAL IN THE NATURE OF LEATHER SUBSTITUTE AND PROCESS OF MANUFACTURE
Albert J. Hanley, Cranston, R. I., assignor to Respro Inc., Cranston, R. I., a corporation of Rhode Island
Application July 29, 1933, Serial No. 682,793
2 Claims. (Cl. 154—2)

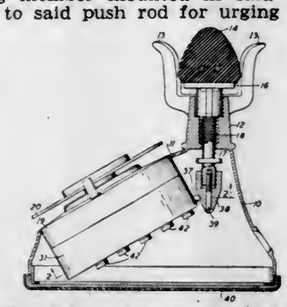


1. The herein disclosed process of making a material useful as a leather substitute, comprising impregnating a woven fabric and a layer or layers of wadding, felt, or low density alpha cellulose paper on one or both sides of said fabric with a solution of vulcanizable rubber compound under pressure and tension, drying, pressing to amalgamate and smooth the surface layer or layers into a mass or masses of matted rubber compound filmed arched fibers with air spaces therebetween and vulcanizing.

2,076,637
TELEPHONE SUBSTATION APPARATUS
Leonard M. Harlow, Glenbrook, Conn., and Charles M. Mapes, Hackensack, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application April 25, 1935, Serial No. 18,244
5 Claims. (Cl. 179—164)

5. A mounting for a hand telephone including a transmitter and a receiver, comprising a hollow base and a cradle for accommodating the hand telephone, a reciprocable plunger having a portion in said cradle and a portion within said base, a dialing mechanism having a portion within said base, a plurality of line contact springs mounted on said mechanism, one of said contact springs being in circuit with said receiver and another of said contact springs being in circuit with said transmitter and actuable by said dialing mechanism, a removable cover enclosing said portion of said dialing mechanism and said contact springs, a push rod slidably mounted within said cover and carried thereby, said push rod engaging said contact springs and adapted to be actuated by said second portion of said plunger to open the circuits in which said springs are included, and

a spring member mounted in said cover and coupled to said push rod for urging said push



rod in a direction such as to actuate said contact springs to close the circuits in which they are included.

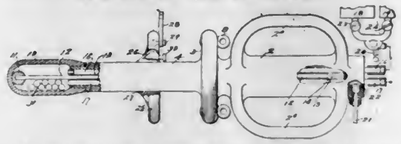
2,076,638

PROSTATE GLAND MASSAGING AND VARIABLE TEMPERATURE APPLICATOR

John J. Haynos, San Bernardino County, Calif.

Application April 25, 1936, Serial No. 76,458

4 Claims. (Cl. 128—401)



1. A massaging applicator having a hollow, inwardly yieldable head provided with a plurality of freely gravitating metallic bodies to localize temperature effect on the head wall, an axial support for the head end and about which the said bodies may shift freely, and means for circulating fluid to the head and for heating or cooling the said bodies.

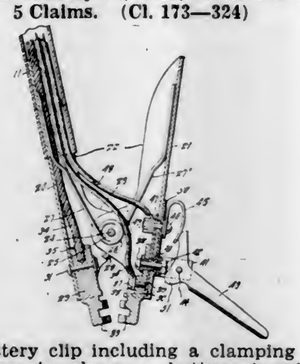
2,076,639

STORAGE BATTERY TESTING APPARATUS

Benjamin F. W. Heyer, Bloomfield, N. J., assignor to Atlas Supply Company, Newark, N. J., a corporation of Delaware

Application January 27, 1932, Serial No. 589,261

5 Claims. (Cl. 173—324)



1. A battery clip including a clamping device having jaws to clamp a battery terminal, a terminal contact secured to the lower end of each jaw for gripping said battery terminal, one terminal contact being electrically insulated from the jaw to which it is secured, a contact member pivoted to one of said jaws and swingable vertically relative to said clamping device, said contact member being electrically insulated from the jaw to which it is pivoted and adapted to engage an adjacent battery terminal during application of said jaws and to remain in contact with said terminal when said jaws are applied, and electrical connections to said terminal contacts and said contact member for connection to an ammeter and voltmeters for measuring the voltage drop across the separate cells of a battery while the latter is discharging.

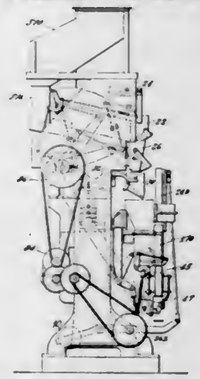
2,076,640

PACKAGING MACHINE

Stanley R. Howard, East Milton, and Gustaf Waldemar Anderson, North Quincy, Mass., assignors to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Application December 6, 1932, Serial No. 645,908

7 Claims. (Cl. 249—59)



1. In a packaging machine, in combination, weighing mechanism including three superposed buckets, a scale upon which the upper bucket is mounted, a second scale upon which the lower bucket is mounted, all of said buckets being provided with gates in the bottom thereof, gate operating mechanism, means for introducing a drip stream into the lower bucket through the intermediate bucket when the gate for the latter is opened, package moving means and control mechanism for controlling the gate operating mechanism to effect the closing of the lower bucket before the intermediate bucket is opened and package moving means from the weighing mechanism.

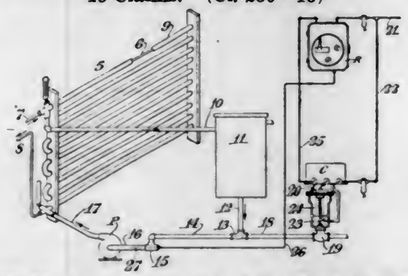
2,076,641

HEAT EXCHANGE SYSTEM

Karl H. Hubbard, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York

Application May 12, 1934, Serial No. 725,307

15 Claims. (Cl. 236—18)



12. In an arrangement of the class described, a heat exchanger, a recirculating system for a heating medium including said heat exchanger, means for introducing heat into said recirculating system, and a heat regulating device for controlling the operation of said means, said device being over-compensated against load deviations and including a single thermosensitive element, said element being located in said recirculating system and being responsive only to the average effect of rapid temperature changes in said medium.

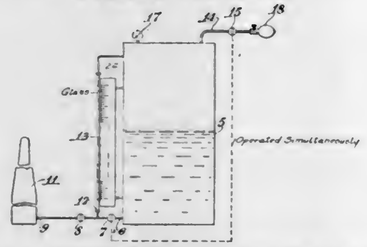
2,076,642

OSCILLOMETER

Karl H. Hubbard and Henry L. Mason, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York

Application November 7, 1935, Serial No. 48,700

5 Claims. (Cl. 73—44)



2. In a device of the class described, a closed receptacle, an applicator having a flexible portion, a conduit connecting the interior of said applicator with the interior of said receptacle, a transparent vertically extending tube communicating at its lower end with said conduit and communicating at its upper end with the upper portion of the interior of said receptacle, a liquid filling said applicator, said conduit, as well as the lower portions of said tube and said receptacle, means for supplying air under pressure to the upper portions of said receptacle and said tube, and a stop-cock in said conduit at each side of its connection with said tube to prevent flow in both directions through said conduit at will.

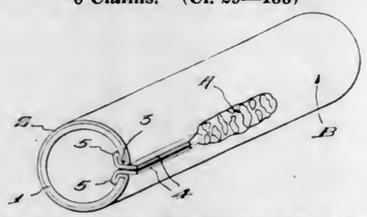
2,076,643

VENEERED TUBING AND METHOD OF MAKING THE SAME

Thomas W. Holt and John F. Levan, Elkhart, Ind., assignors to Excel Curtain Company, Elkhart, Ind., a corporation of Delaware

Application May 1, 1935, Serial No. 19,267

6 Claims. (Cl. 29—188)



1. A tube construction comprising a body, or base, formed with a slit extending lengthwise thereof, a veneer strip enclosing the base and having its margin extended around the edges of the base at the slit into the interior of the base and then reversely outwardly through the slit and integrally united to each other and to the margins of the base.

2,076,644

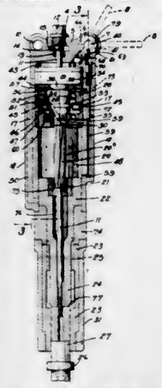
PNEUMATIC ROCK DRILL

Charles A. Hultquist, San Gabriel, Calif., assignor to Independent Pneumatic Tool Co., Chicago, Ill., a corporation of Delaware

Application October 22, 1934, Serial No. 749,411

Renewed May 26, 1936

9 Claims. (Cl. 121—28)



1. In a pneumatic rock drill in which there is a back head a throttle therein, a back cylinder with leak holes and distributing valve in said back cylinder, the combination with said back head, throttle, back cylinder with leak holes and distributing valve, of throttle controlled fluid pressure operated leak hole valves in said back head in operative relation with said leak holes and said throttle for closing the same during the blowing operation of said rock drill.

2,076,645

PROCESS FOR TREATING CARBONACEOUS MATERIALS AND PRODUCT

Heber A. Ingols, Wilmington, and Paul F. Pie, Jr., Newark, Del., assignors to Darco Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 20, 1935, Serial No. 55,428

4 Claims. (Cl. 252—3)

1. In the process of manufacturing granular activated carbon for use in the purification of aqueous mediums the step comprising cooling the hot carbon in an atmosphere of steam until the block density is greater than 1.0 grams per cubic centimeter, thus obtaining a sinkable carbon suitable for use without further treatment.

2,076,646

PROCESS FOR DEAERATING GRANULES OF ACTIVE CARBON

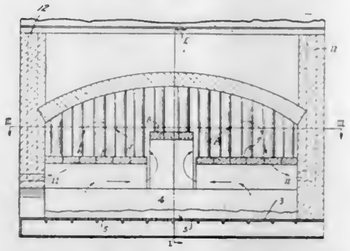
Heber A. Ingols, Wilmington, and Paul F. Pie, Jr., Newark, Del., assignors to Darco Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 20, 1935, Serial No. 55,429

2 Claims. (Cl. 252—3)

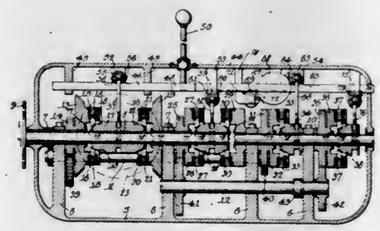
1. The process of preparing sinkable granular activated carbon for use in the purification of aqueous mediums from non-sinkable granular activated carbon having a block density less than 1.0 grams per cubic centimeter which comprises placing the non-sinkable carbon in water and boiling the mixture to thereby produce a sinkable granular activated carbon having a block density greater than 1.0 grams per cubic centimeter.

2,076,647
APPARATUS FOR REVIVIFYING CHARCOAL
Boyd M. Johnson, Metuchen, N. J., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application August 20, 1934, Serial No. 740,628
7 Claims. (Cl. 202—114)



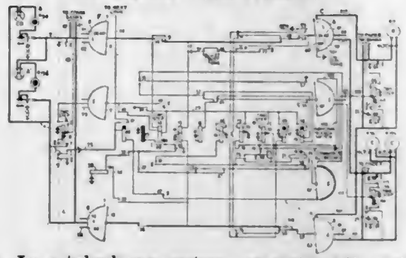
1. Apparatus for revivifying bone charcoal and the like comprising an elongated heat distributor, a plurality of retorts extending in rows along the sides of the heat distributor, said distributor consisting of a high central arch and two lower arches disposed at either end of the high arch and opening into the lower part thereof while the high arch has outlets above the lower arches, and means for supplying hot gases underneath the arches, the relative heights of the arches being adapted to give the hot gases a large horizontal component of velocity toward the retorts.

2,076,648
CLUTCH MECHANISM
Edward D. Jones, Clinton, Iowa, assignor of one-half to Ernest C. Jones, Clinton, Iowa
Application October 24, 1932, Serial No. 639,357
1 Claim. (Cl. 192—53)



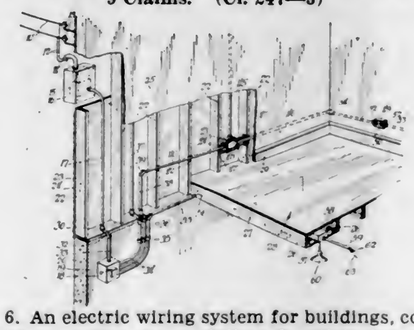
In a clutch for clutching a drive shaft and a driven shaft together, an outer clutch member secured to the driven shaft, said clutch member having a recessed face formed with a tapered wall, teeth extending from the inner end of the recess and disposed in parallel relation with the axes of the shafts, a plurality of spring pressed pins extending inwardly through the wall of the recess at right angles to the axes of the shafts, and having beveled inner ends, an inner clutch member splined on the drive shaft and having a beveled end portion adapted to move into the recess of the first mentioned clutch member, the beveled inner ends of the spring pressed pins engaging the inner clutch member, frictionally clutching the shafts together, and teeth at the inner end of the inner clutch member and adapted to engage the teeth of the outer clutch member, positively clutching the shafts together, and means for operating the clutch.

2,076,649
AUTOMATIC TELEPHONE SYSTEM
Frank Kessler, Villa Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 1, 1935, Serial No. 14,049
19 Claims. (Cl. 179—17)



1. In a telephone system, an automatic switch including wipers and a switchbank, a party line terminating in said switchbank, the call number of the first party on said line being dependent upon the bank contacts said line terminates in, the call number of the second party on said line being the same as the first party but with a predetermined digit prefixed thereto, means for operating the wipers of said switch into engagement with the bank contacts terminating said line in response to dialing either one of said call numbers, and means for selectively signaling either party on said line dependent upon the call number dialed in extending the connection to said line.

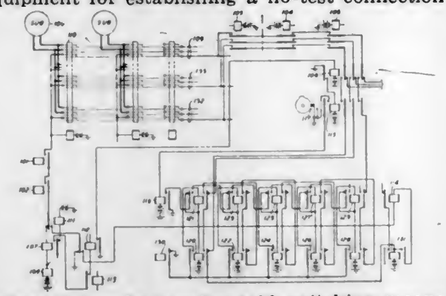
2,076,650
HOUSE WIRING SYSTEM
Charles W. Kettron, Macomb, Ill., assignor to Illinois Electric Porcelain Company, Macomb, Ill., a corporation of Illinois
Application August 7, 1935, Serial No. 35,024
9 Claims. (Cl. 247—3)



6. An electric wiring system for buildings, comprising continuous conduit and outlet elements, said elements being primarily adapted for concealed installation during construction of the building and formed of highly refractory nonmetallic, non-corrosive material resistant to the passage of moisture and forming an efficient insulation against short circuits.

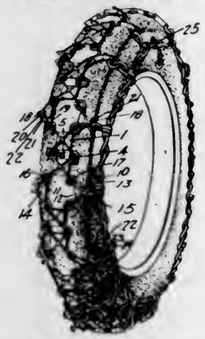
2,076,651
TELEPHONE SYSTEM
George William Kuhn, Ridgewood, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 28, 1936, Serial No. 61,245
6 Claims. (Cl. 179—27)

1. In a telephone system, a subscriber's line, a group of trunks, means for connecting said line with one of said group of trunks, switching means, common control equipment having access to said line as a called line, to said trunks and to said switching means, means in said control equipment for establishing a no-test connection



with said line by causing said switching means to connect with said one trunk, and means to identify said one trunk by connecting a relay to said subscriber's line and successively connecting the trunks of said group to said relay.

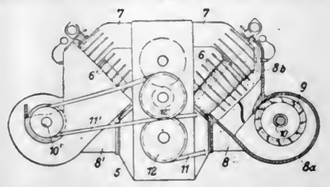
2,076,652
TRACTION TREAD CHAINS
George Victor Lancaster, Bobcaygeon, Ontario, Canada
Application May 21, 1935, Serial No. 22,600
In Canada January 3, 1935
1 Claim. (Cl. 152—14)



In a traction tread chain, the combination with the side chains and a device for drawing the ends of the side chains together, of a series of tread elements, each comprising a pair of spaced apart rectangular tread plates, diagonal flanges extending up from each plate, triangular plates located at each side of the aforesaid plates and centred opposite the centre of the intervening space and having their apices directed outwardly, flanges extending upwardly from the sides of the triangular plates and on a line with the flanges of the two adjacent rectangular plates to form with the flanges of such two adjacent plates a rectangular enclosure, and means for flexibly linking the rectangular to the triangular plates and the triangular plates to the side chains and for connecting the series of tread elements to each other.

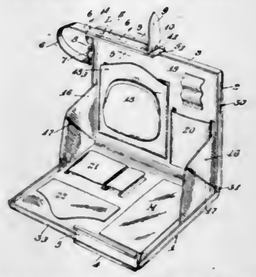
2,076,653
INTERNAL COMBUSTION ENGINE
Hans Ledwinka, Koprivnice, Czechoslovakia
Application November 26, 1934, Serial No. 754,760
In Germany September 13, 1933
1 Claim. (Cl. 123—171)

In an internal combustion engine, a crank case, two rows of cylinders connected with the crank case, the rows being arranged in V-formation, two air blowers each of them being arranged in the outer angle formed by one side wall of the crank case and the row of cylinders at a point laterally offset from the walls of the crank case and positioned for conducting the air from the fans



to the different cylinders of the respective banks transversely from the outside inwardly without any sudden change of direction, and conducting the air upwardly to the cylinders, whereby the heated air assists in movement of the air in the desired direction because of the natural force of convection possessed by heated air.

2,076,654
HANDBAG FASTENER
Florence N. Lewis, New York, N. Y., assignor to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of New York
Application July 17, 1935, Serial No. 31,767
1 Claim. (Cl. 292—137)

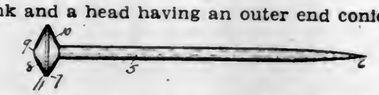


A hand-bag comprising hinged frame-members having top frame elements, each said top frame element having a guide-element connected thereto, each said guide element having L-shaped and upstanding flanges, the outer end of each said guide element substantially abutting an end of its frame element, the length of each said guide-element being substantially one-half of the length of its frame element, said guide elements being of equal length and width, each said guide-element being of greater width than its frame element, said flanges being aligned when the bag is closed, a slide movable on said guide elements between said flanges, and a flexible member connecting said slide to a frame member, one of said guide elements having a transverse slot whose width exceeds the width of the associated frame element, said slide having a resilient and downwardly bent tongue which enters said slot when the slide is moved to its inoperative position.

2,076,655
PIN
George S. Light, Winsted, Conn.
Application December 11, 1935, Serial No. 53,954
5 Claims. (Cl. 24—150)

1. A wire pin composed of a single piece of unannealed hard drawn wire including a pointed

shank and a head having an outer end conically



shaped outwardly and a conically shaped under surface.

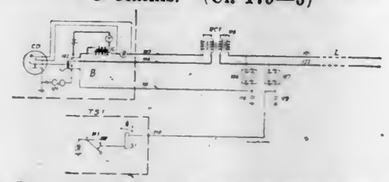
2,076,656

TELEPHONE SYSTEM

Clarence E. Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application October 28, 1935, Serial No. 47,127

3 Claims. (Cl. 179—3)



1. In combination, a telephone exchange and a subscriber station, a two-conductor line connecting the subscriber station with the telephone exchange, a pair of telegraph channels superimposed on the two conductors respectively of said line, means for accomplishing switchhook signalling operations from the substation to the exchange over one of the telegraph channels, a pair of telegraph stations, and a circuit between said telegraph stations including the other of said telegraph channels.

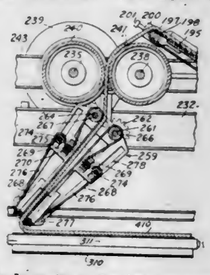
2,076,657

CONTINUOUS LAMINATING MACHINE

Kenneth D. Loose, Bronxville, N. Y., and Charles W. Watkins and Joseph W. Green, Dayton, Ohio, assignors to Loose-Wiles Biscuit Company, Long Island City, N. Y., a corporation of New York

Application October 2, 1935, Serial No. 43,246

10 Claims. (Cl. 107—1)



1. A dough-lapping device comprising a conveyor, and a swinging member arranged to receive a continuous sheet of dough and deposit it upon the conveyor in overlapping layers, said swinging member being arranged to move across said conveyor with the dough-discharging portion thereof at a substantially constant distance from said conveyor.

2,076,658

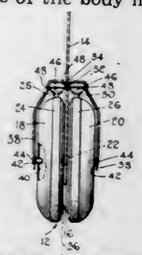
SPARKLING YO-YO TOY

Louis Marx, New York, N. Y.

Application August 8, 1935, Serial No. 35,253

5 Claims. (Cl. 46—61)

1. A sparkling yo-yo comprising a centrally grooved circular disc-like body, an operating cord looped in said groove and adapted to be wound or unwound in either direction during operation of the toy, a relatively wide yoke member, said yoke member and body having mating bearing parts for free rotation of the body within the yoke, said yoke being perforated to receive the operating cord, abrasive surfaces on the outer peripheries of the body member, and flints



mounted on flint carrying arms shorter than the width of the yoke member and housed within the yoke member, said arms being pivotally mounted on said yoke member and resting gravitationally on the abrasive surfaces, said operating cord serving to prevent rotation of the yoke and thereby providing relative movement of the flints and abrasive surfaces to cause sparkling of the yo-yo during operation.

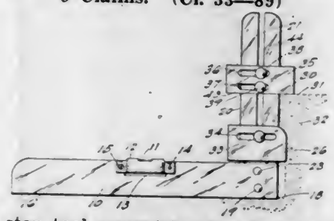
2,076,659

STEP, BASE, AND CURBING GAUGE AND TOOL

Jules J. Masson, Oakland, Calif.

Application September 22, 1936, Serial No. 101,936

9 Claims. (Cl. 33—89)



1. A step tool comprising tread slope gauging means, riser height and inclination gauging means mounted for angular adjustment on said tread slope gauging means, nosing projection and vertical height gauging means adjustably mounted on said riser height and inclination gauging means, and indicating means indicating the relative variation in angularity between said tread gauging means and said riser gauging means.

2,076,660

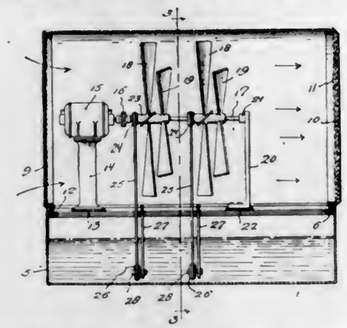
AIR CONDITIONING APPARATUS

Ralph D. Matteson, Boise, and William B. Thomas, Parma, Idaho

Application November 18, 1935, Serial No. 50,438

2 Claims. (Cl. 261—92)

1. An air conditioning apparatus comprising a water pan or receptacle having a top opening and provided along the sides of said top opening with a depending angular flange, an open frame resting upon said angular flange, a cross member connecting the sides of said frame, a motor, said cross member having a depending arm, an idler pulley carried by the lower end of said depending arm within and near the bottom of said water pan, a horizontal open-ended casing removably mounted upon said water pan and having a bottom opening registered with the top opening of said water pan, a shaft arranged coincident with the longitudinal axis of said casing and operatively connected to said motor, a pulley rotatable with said shaft, a belt passing around said pulleys for elevating water from the water pan into said



casing, and fan blades carried by said shaft for forcing air through the casing and drawing the water from the belt so as to break up such water and centrifugally throw the same outwardly against the walls of the casing in the path of the air flowing through the latter.

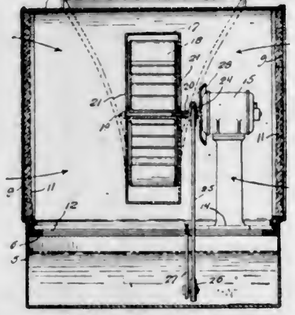
2,076,661

AIR CONDITIONING APPARATUS

Ralph D. Matteson, Boise, and William B. Thomas, Parma, Idaho

Application July 22, 1936, Serial No. 92,028

4 Claims. (Cl. 261—80)



1. An air conditioning apparatus comprising a water pan, a horizontal open ended casing mounted upon said water pan and communicating with the latter, said open ended casing having a discharge opening for humidified air in the lower intermediate portion thereof, a motor-operated centrifugal fan blower mounted and arranged within said open ended casing intermediate the ends of the latter and including a volute casing and a rotary impeller, said volute casing having side air inlet openings coaxial with the open ends of said horizontal open ended casing, said volute casing further having a lower tangential peripheral air outlet registered with the air outlet of said horizontal open ended casing, and a motor-driven belt for elevating water from said water pan into the horizontal open ended casing and in the path of air flowing to a side inlet of said blower through one open end of said open ended casing.

2,076,662

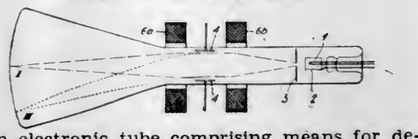
ELECTRON TUBE

Fritz Michelssen, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application September 13, 1933, Serial No. 689,171

In Germany September 24, 1932

1 Claim. (Cl. 250—27.5)



An electronic tube comprising means for developing an electron beam within the tube and for causing the developed beam to impinge upon a spherically shaped fluorescent end wall of the tube, a pair of electrodes to which voltages are supplied to cause the developed beam to scan the entire active area of the fluorescent end wall of the tube upon which it impinges, a magnetic focusing coil intermediate the pair of electrodes and the beam developing means, and a second magnetic coil intermediate the pair of electrodes and the fluorescent end wall for focusing the electrons of the beam to a sharply defined spot irrespective of the elemental area of the fluorescent end wall upon which they are instantaneously impinging, said fluorescent end wall having a curvature concave toward the second magnetic coil and whose radius is the axial distance between the center of said coil and the fluorescent end wall.

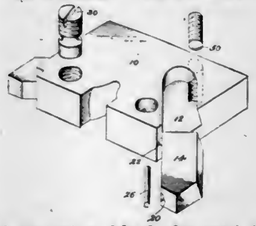
2,076,663

CUTTING TOOL

Frank P. Miller, Meadville, Pa.

Application April 19, 1935, Serial No. 17,358

12 Claims. (Cl. 77—58)



1. A tool carrying block for use in a boring bar comprising a body having a slot provided with longitudinal walls at acute angles to each other thereby defining a longitudinal corner, a blade in said slot, said body being formed with a threaded opening overlapping the slot and extending along said longitudinal corner, and an axially adjustable screw in said opening and having more than 270 degrees of the circumference thereof surrounded by the wall of said threaded opening and having more than a quarter of the cross-sectional area thereof in said slot the forward end of the said screw being in abutting relation to the inner end of said blade.

2,076,664

PUMP

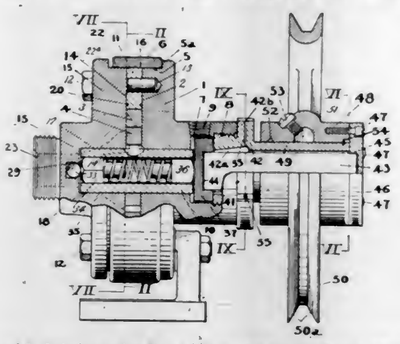
William H. Nichols, Waltham, Mass.

Application June 4, 1932, Serial No. 615,316

16 Claims. (Cl. 103—126)

1. In a pump, a casing, a pump drive shaft, a separate hollow tail stub having means for joining said stub to said casing, a power driving de-

vice surrounding and rotatably mounted on said stub, a radially free link within said hollow stub and driven from said device, an internal bearing end face on said stub surrounding its bore, a radially free coupling disk engaging and centered



by said driving shaft, sealing against fluid escape by contacting said bearing end face; said link floatingly driving said coupling, and rotatable spring means in said casing pressing said disc against said seat.

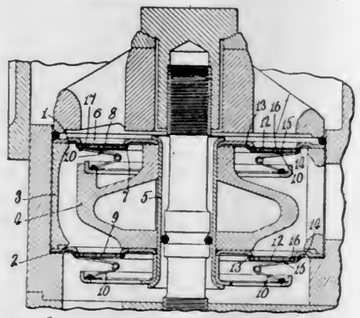
2,076,665

COMPOSITE VALVE AND METHOD OF MAKING THE SAME

Warren Noble, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application February 28, 1934, Serial No. 713,336

7 Claims. (Cl. 29—157.1)



1. A composite valve element comprising a relatively thin metal valve plate providing seat-engaging portions surrounding port closure portions, and a relatively thick outer re-enforcing plate fixed to said valve plate and foraminated at its portions overlying the port closure portions of said valve plate, to reduce its weight.

2,076,666

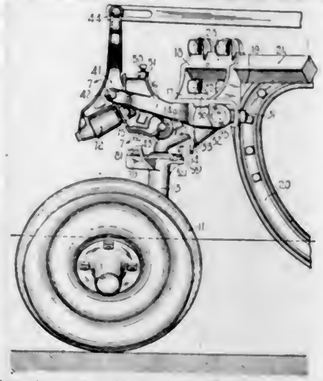
PLOW

Emil F. Ohlendorf, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application February 26, 1934, Serial No. 712,874

32 Claims. (Cl. 97—127)

1. The combination with a plow including a plow beam, of a rear furrow wheel support comprising a frame adjustably connected to said beam for transverse adjustment relative to said beam, a member pivotally connected to said frame for vertical swinging movement, means movable relative to said member for swinging



the latter to raise the plow from operating position to raised position, and a rear furrow wheel supported by said member.

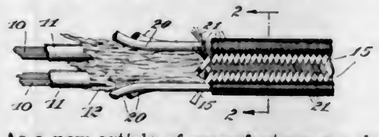
2,076,667

REENFORCED FLEXIBLE ELECTRIC CABLE

James Pombo, East Providence, R. I., assignor to American Insulated Wire Corp., Providence, R. I., a corporation of Rhode Island

Application February 12, 1935, Serial No. 6,165

9 Claims. (Cl. 173—264)



1. As a new article of manufacture, an electric cable or cord having a flexible covering made up of groups of fabric strands, spaced resilient re-enforcing members overlying a selected group of said strands and extending substantially longitudinally of the cable, and another group of said strands covering said members and being interlocked to the strands of the first group between the respective members.

2,076,668

NONREFILLABLE BOTTLE

Arthur E. Read, Bronx, N. Y.

Application November 30, 1934, Serial No. 755,319

14 Claims. (Cl. 215—21)



1. In an assembly of the character described, a housing provided therein with a valve seat, a sealing member in the housing, a guide embracing the sealing member and forming therein a walled passage of a cross section corresponding to that of the sealing member with sufficient clearance between the sealing member and the wall of the passage to permit of movement of the sealing member longitudinally of said passage but to preclude unrestricted flow of liquid through the clearance space thus provided, a duct arranged to by-pass the sealing member when said sealing member is free from the valve seat, and a check valve cooperating with the outer terminus of said duct, and independent of said valve seat.

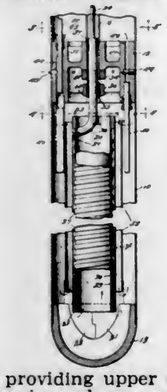
2,076,669

ELECTRICALLY OPERATED STEAMER

Casper L. Redfield and Nelson De Long, Chicago, Ill., assignors, by mesne assignments, to Phoenix Oil Engineering Company, Chicago, Ill., a corporation of Delaware

Application August 16, 1929, Serial No. 386,457

12 Claims. (Cl. 219—33)



4. A device providing upper and lower chambers with water in each, means for evaporating the water in the lower chamber and discharging the steam therefrom, a passageway by which water may flow from the upper chamber to the lower one, an air inlet to the upper chamber so that the water may flow, and means for controlling the open and closed condition of said inlet by the level of water in the lower chamber.

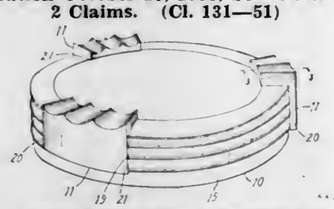
2,076,670

ORNAMENTAL CONSTRUCTION

Howard F. Reichenbach, Waterbury, Conn., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation of Connecticut

Application October 16, 1935, Serial No. 45,265

2 Claims. (Cl. 131—51)



2. An ash tray comprising: a metal body member including a rim; and one or more molded-composition cigar-rest pieces mounted on said rim and each having two legs and being of L-shape cross-section with one leg shaped to conform substantially to the side surface of the body member and the other leg conforming to the top surface of the body member, each of said pieces being mounted by concealed attaching means having part thereof molded in the piece.

2,076,671

INCANDESCENT CATHODE

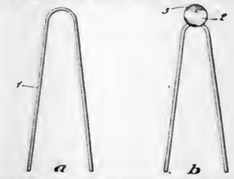
Johannes Richter, Bernhard Hensel, and Kurt Hess, Berlin, Germany, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 20, 1934, Serial No. 736,186

In Germany July 28, 1933

4 Claims. (Cl. 250—27.5)

4. A heated electronic emitter adapted to produce point source emission, comprising a filamentary member of substantially hairpin shape, a spherical welded bead member integral with the



bight of said filamentary member, and an electron emitting material supported upon a portion of the bead member.

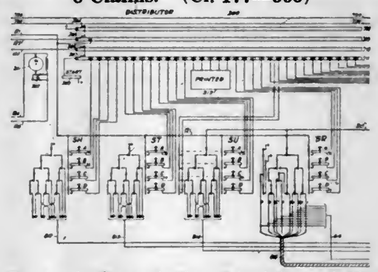
2,076,672

STOCK QUOTATION SYSTEM

Harold C. Robinson, Chicago, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application September 11, 1931, Serial No. 562,320

8 Claims. (Cl. 177—353)



2. In a stock-quotation receiving station for use in a stock-quotation system, two groups of register relays for registering stock-quotation digits, sequence control means responsive each time a stock quotation is received for directing digits of each odd-numbered stock quotation of a series to the first of said groups of register relays and for directing digits of each even-numbered stock quotation of a series to the other of said groups of register relays, and means automatically effective whenever there is a pause of more than a predetermined length separating two quotations for selecting the first of said groups of register relays to respond to the next succeeding quotation, regardless of which group of register relays responded to the one last received.

2,076,673

POWER LIFT

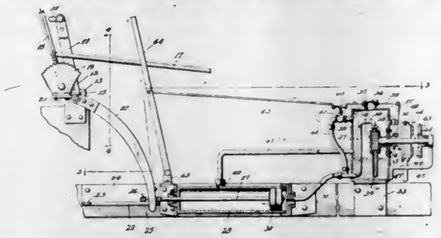
Marion G. Roper, Winters, Tex.

Application December 21, 1935, Serial No. 55,674

4 Claims. (Cl. 97—50)

1. In an agricultural implement, a tractor, a cultivator carried by said tractor, a planter carried by the tractor, manually operated means for vertically adjusting the planter and the cultivator, and power operated means for vertically adjusting the cultivator and the planter including a rotatably mounted rock shaft, an arm extending downwardly from the rock shaft, a horizontal cylinder, a piston slidable in said cylinder and having a rod extending from the cylinder and having an eye at its outer end slidably receiving the lower end portion of said arm whereby longitudinal movement of said piston rod will impart swinging movement to the arm and rotate the rock shaft, a container, means for circulating fluid between the container and cylinder to shift

the piston longitudinally in the cylinder including a pump having a rotary drive shaft, means for transmitting rotary motion to the drive shaft



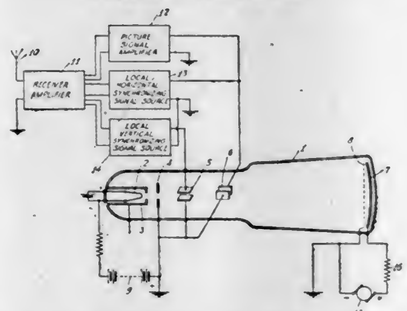
of the pump from the motor of the tractor, and means for controlling rotation of the drive shaft by the last-mentioned means including an actuating lever carried by the tractor.

2,076,674

TELEVISION APPARATUS

Fritz Schröter, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application April 6, 1932, Serial No. 603,530
In Germany April 10, 1931
2 Claims. (Cl. 178—6)



1. A cathode ray tube television system having a fluorescent viewing screen responsive to cathode rays, which comprises means for producing a cathode ray pencil and moving said pencil substantially throughout the length of the tube at a constant axial velocity, means for causing the cathode ray pencil to traverse predetermined paths in a plurality of directions at right angles to each other, means for impressing signal voltages upon one of the traversal control means for varying under the control of the signal voltages the velocity of ray traversal along at least one path of the plurality of paths to vary the period of impact of the cathode ray pencil upon the fluorescent viewing screen, and means to accelerate the cathode ray at a constant rate only in the area immediately adjacent the fluorescent screen so as to increase the brilliance of the fluorescent effect produced by the cathode ray.

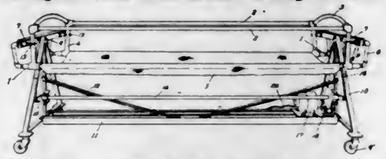
2,076,675

ROCKING SWINGING BED

Clark E. Sharp, Columbus, Ohio

Application August 21, 1935, Serial No. 37,187
9 Claims. (Cl. 5—61)

1. In combination, a carriage, cross heads rockably mounted therein, means for rocking said cross heads, a bed frame, and hangers swingingly suspending said bed frame from said cross heads, the connections between the respective hangers and bed frame being nearer the



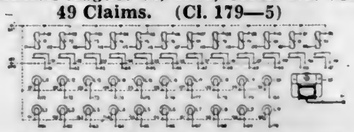
longitudinal center of the bed frame than the connections between the same hangers and the cross heads.

2,076,676

RECORDING SYSTEM

Arthur T. Sigo, Maywood, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application August 24, 1934, Serial No. 741,275
49 Claims. (Cl. 179—5)



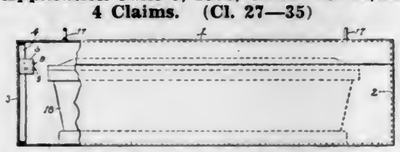
1. In a recording system, a pen recorder, time registers, means responsive to the occurrence of an event to be recorded for starting said pen recorder, means controlled by said registers for transmitting impulses to the pen recorder, and means in said pen recorder responsive to such impulses for recording the time the event occurs.

2,076,677

BURIAL METHOD AND MEANS

Merle A. Smith, Trenton, Mich.

Application June 6, 1936, Serial No. 83,939
4 Claims. (Cl. 27—35)



1. Burial means including a vault formed of sheet metal and open at one end, a closure for said open end to be welded in place therein for permanently and hermetically sealing said vault, said end closure being provided with an opening, a tubular member secured to said end closure over said opening and projecting inwardly therefrom, a nipple within said tubular member for the attachment of means thereto for withdrawing the air from the interior of the vault, and a closure for hermetically closing the outer end of said tubular member.

2,076,678

ELECTROTHERMAL INDICATING APPARATUS

Theodore J. Smulski, Gary, Ind., assignor to The Anderson Company, Gary, Ind., a corporation of Indiana

Original application April 21, 1930, Serial No. 445,994. Divided and this application August 26, 1935, Serial No. 37,875
10 Claims. (Cl. 171—271)

9. In an electrical indicator comprising a spiral of bi-metallic material having a fixed end and a free end, an indicator element supported by the free end and an electrical heating element disposed in heat exchanging relation to said spiral



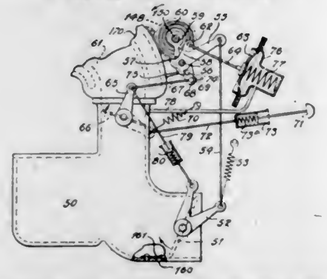
to operate said indicator element, and support means for said heating element adapted to relatively adjust the length of the heating element and its associated spiral portion.

2,076,679

FUEL MIXTURE CONTROL

Warren F. Stanton, Pawtucket, R. I.

Application April 13, 1936, Serial No. 74,081
7 Claims. (Cl. 123—119)



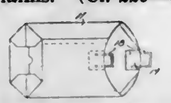
1. Starting means for an internal combustion engine incorporated in a carburetor, comprising an air entrance, a choke valve therein, a mixture outlet, a manually operated throttle valve therein, a throttle stop adapted to control the idling speed of said engine, engine temperature responsive means adapted to control the position of said stop whereby the idling speed of said engine is higher when the engine is cold than when the engine is hot, said engine temperature responsive means adapted when cold to close said choke valve, means responsive to the vacuum in the mixture outlet for opposing said temperature responsive means whereby the choke valve is opened immediately after the engine starts, a throttle lever, a choke lever, a one-way connection between said lever whereby the opening movement of the throttle opens the choke valve.

2,076,680

SHOPPING BAG

Harford K. Steen, Newburgh, N. Y.

Application July 27, 1935, Serial No. 33,553
4 Claims. (Cl. 229—54)



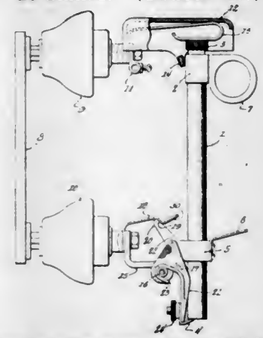
1. As an article of manufacture, a shopping bag comprising a body portion, a pair of patches of suitable reinforcing material secured to the inner surface of said body portion adjacent the open end thereof, handles of different width interposed between the patches and the inner surface of the body portion with their gripping portions projecting from the open end of the bag, and nesting one within the other when the bag is folded.

2,076,681

DROP-OUT FUSE CONSTRUCTION

Alwin G. Steinmayer, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application September 15, 1934, Serial No. 744,176
17 Claims. (Cl. 200—127)



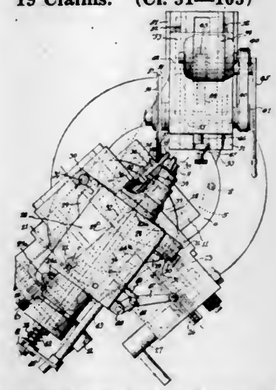
12. A fuse comprising upper and lower terminal members, a fuse tube having upper and lower contacts normally electrically connected to said upper and lower terminal members, said fuse tube having a fuse link electrically connecting said contacts and projecting outwardly from the lower end of said fuse tube, a movable catch member carried by said lower contact and having a shouldered portion, a latch member carried by said fuse tube and normally engaging said shouldered portion to lock said fuse tube to said lower terminal member, said fuse tube being pivotally supported with respect to said lower terminal member, and means restraining said latch means from detaching motion with respect to said catch means and being itself controlled by said fuse link, said catch means having a cam face engageable by said catch means when said fuse tube is rocked into operative position.

2,076,682

GRINDING MACHINE

Silas A. Strickland, Detroit, Mich.

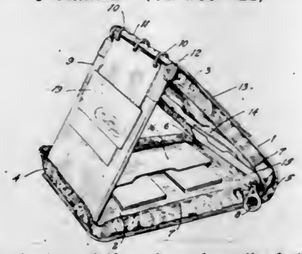
Application September 28, 1931, Serial No. 565,714
19 Claims. (Cl. 51—105)



1. In a grinding machine, wherein the grinding tool is adapted to concurrently grind adjacent member faces having the general relation of approximate right angles to produce an included angle characteristic therebetween, and wherein the faces are each substantially conical with

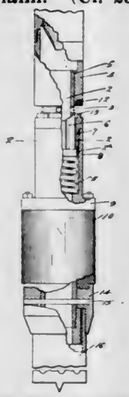
respect to the axis of the member forming the work, and in combination, a longitudinally adjustable carriage, a rotatable grinding element supported thereon, said element being mounted for bodily movement in a fixed path toward and from the work grinding position, and a chuck supported at one side of the grinding wheel and adjustable longitudinally and transversely, said chuck being also mounted for pivotal adjustment on a plurality of independent vertical axes.

2,076,683
DISPLAY SALES KIT
Harry L. Tharp, Denver, Colo.
Application March 18, 1935, Serial No. 11,533
6 Claims. (Cl. 206—44)



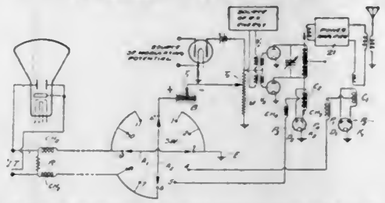
5. In a device of the class described, the combination comprising two trays hingedly interconnected at one end, a brace member adapted to be connected at one of its ends with the unhinged end of one tray and to seat its other end within the unhinged end of the other tray to form a triangle when the trays are swung open on the hinge, said brace member carrying attaching means at one of its ends adapted to moveably retain samples and a flexible means for interconnecting the sample-retaining end of said brace member with the interior of the unhinged end of one of the trays.

2,076,684
BY-PASS JOINT FOR WELL TESTERS
Idris Thomas, Whittier, Calif.
Application February 4, 1935, Serial No. 4,940
1 Claim. (Cl. 251—8)



A by-pass joint for oil well testers, including a lower sleeve member, a bushing threaded in and seating on the upper end of the sleeve and having a stop shoulder on its lower end within the said sleeve member, a by-pass nipple whose lower end is telescopically splined in said bushing and having intermediate its length outlets over the upper end of said bushing in the open position of the nipple as to the bushing, an upper well tester string member to which the upper end of the nipple is attached, the lower end of the nipple having a suspending part to engage with the said shoulder of the bushing, and means to pack the contiguous ends of the said bushing and the said upper string member when the joint nipple is closed.

2,076,685
MODULATED CARRIER WAVE TRANSMITTER
William Stuart Leader Tringham, Surrey, England, assignor to Radio Corporation of America, a corporation of Delaware
Application November 16, 1934, Serial No. 753,291
In Great Britain November 17, 1933
7 Claims. (Cl. 179—171)



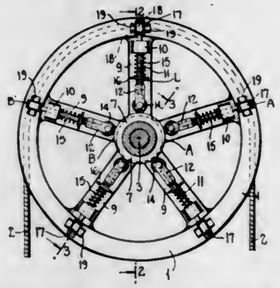
2. A modulation monitoring installation for use with a modulated radio transmitter wherein is provided a plurality of stages comprising a cathode ray tube oscillograph, means for deriving modulated high frequency energy from a modulated amplifier stage of the transmitter to be monitored, means for rectifying said energy, means for deriving from a stage succeeding said modulated amplifier stage modulated high frequency energy, means for rectifying said last mentioned energy, means for deriving from an impedance in the transmitter and wherein modulation energy flows, potentials corresponding to said modulation energy, and a single switching means for applying at any instant only one of said mentioned potentials or either of the rectified outputs to the input terminals of a cathode ray oscillograph.

2,076,686
PHOTOGRAPHIC OBJECTIVE
Albrecht Wilhelm Tronnier, Bad Kreuznach, Germany, assignor to the corporation of Jos. Schneider & Co., Optotechnische Gesellschaft, Berlin, Germany
Application August 31, 1935, Serial No. 38,815
In Germany November 10, 1934
2 Claims. (Cl. 88—57)



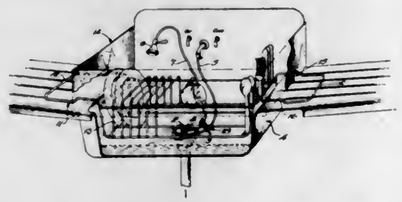
1. A photographic objective composed of four air-spaced members comprising a simple, uncemented, and essentially unsymmetrical dispersing lens, two air-spaced collective lenses, disposed in front of said dispersing lens, and a collective component following said dispersing lens on its rear side, said following collective component including a collective, cemented surface, refractive effect being so distributed among the individual components that the surface effect $\bar{\varphi}_{F_K}$, considered as the product of the auxiliary ray incident height (h_K), refractive exponent difference ($n_{K'}-n_K$), and radius reciprocal ($1:r_K$) for the collective cemented surface k in the positive following component is, according to its absolute value, greater than $\frac{1}{4}$ of but not over $1\frac{1}{2}$ times the rest effect $\bar{\varphi}'_{VIII}$ directed toward the last surface of the dispersing lens considered as the algebraic sum of all surface effects of dispersing lens and two preceding collective lenses, the length of the curvature radius of the cemented surface k of said following component being less than $1\frac{1}{2}$ times the radius R10 of the last outer surface of the objective, and the refractive effect being so distributed among the individual outer surfaces of the dispersing lens and following collective component that the surface effect of the front surfaces (V, III), facing away from the outer member IV, of the dispersive lens is, according to its absolute value, greater than one-third, but not greater than equal to the surface effect of the rear surface, facing away from the dispersive lens, of the positive following component, that is, that the ratio $\bar{\varphi}_{F_{V,III}} : \bar{\varphi}_{F_{IV,A}}$ lies between the absolute values $\frac{1}{3}$ and 1.

2,076,687
PULLEY CONSTRUCTION
Leo J. Vogel, South Hills, Pittsburgh, Pa.
Application August 23, 1935, Serial No. 37,465
4 Claims. (Cl. 74—230.24)



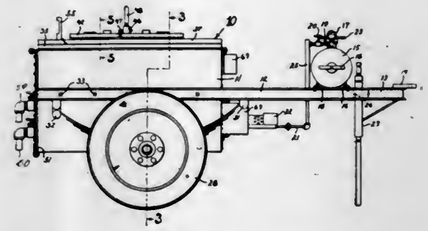
1. A drive pulley having a plurality of radial arms, radially-movable plungers mounted in said arms, a stationary cam associated with the inner ends of said plungers, springs maintaining the inner ends of said plungers in contact with said cam, and gripping members turnably connected to said pulley and operated by said plungers.

2,076,688
WASHING APPARATUS
Frank R. West, Detroit, Mich.
Application November 15, 1933, Serial No. 698,161
8 Claims. (Cl. 141—9)



1. Power washing apparatus for cleansing dishes and the like, comprising a sink adapted to contain a cleansing liquid, a power unit fitting over the drain opening in the sink, said power unit including operably connected liquid actuated and cleansing liquid actuating means, said sink being adapted to be filled with cleansing liquid to a height above the liquid actuating means of the power unit, and there being an opening from the liquid actuated means to the drain for conducting away the actuating liquid.

2,076,689
MELTING KETTLE
James N. Williams, Pasadena, Calif.
Application January 6, 1936, Serial No. 57,709
4 Claims. (Cl. 126—343.5)

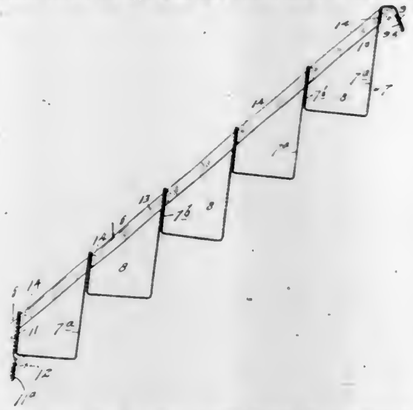


1. In a melting kettle, an elongated U-shaped frame having parallel sides, a container removably secured between said sides, said container being of general circular cross section, said container having an open top and having outwardly directed shelves along the top, a receptacle having hanger portions thereon, said receptacle hanger portions slidably engaging the shelf portions of the container so that the receptacle may be slidably removed from the container, said receptacle being generally circular in cross-section and of a diameter less than that of the container, said container and receptacle having their upper portions closely adjacent to each other so that a crescent shaped space is formed between the receptacle and container, an apron at each end of the receptacle, the inner ends of said aprons being directed upwardly to form flanges defining an opening, a cover for said opening and disposed on said flanges, said receptacle and said container having ends, said ends being spaced apart, a flue extending through said receptacle, a burner arranged at one end of the receptacle, a shield about said burner, said shield extending through the adjacent end of the container and being disposed in the end of the flue, the end of the container remote from said burner being readily removably mounted to allow the receptacle to be removed.

2,076,690
DISPLAY TRAY
Herman H. Williams, Minneapolis, Minn., assignor to Northrup, King & Company, Minneapolis, Minn., a corporation of Minnesota
Application July 27, 1936, Serial No. 92,744
3 Claims. (Cl. 211—128)

1. A tray of the kind described comprising a body portion made up of a piece of sheet metal bent to form a plurality of troughs with relatively high rear and relatively low front walls forming troughs in stepped relation, the lower portion of said sheet metal being bent downward to form a flange extending below the bottom of the lower front trough and the upper edge of said sheet being bent to form a downturned rest flange, and truss bars passed through the front and rear walls of said troughs and welded thereto with

their lower ends terminating between said downturned front flange and the front wall of the lower



trough and with their upper ends terminating at the back of the rear wall of the upper trough.

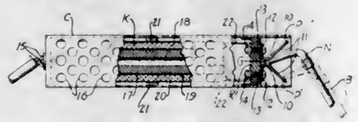
2,076,691

ELECTRIC BLOWPIPE LIGHTER

Lloyd W. Young, Scotch Plains, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application May 29, 1935, Serial No. 24,008

5 Claims. (Cl. 175—91)



1. An electric igniter for blowpipes or the like comprising a casing open at one end and having perforations extending through the wall thereof; a support of insulating material secured within said casing adjacent the open end thereof; a pair of metal angle bars wholly within said casing and adjacent said open end, said angle bars having apexes juxtaposed to provide a continuous narrow gap of uniform width throughout its length, one leg of each angle bar being secured to such insulating support and constituting an electric circuit terminal, the other legs of said angle bars diverging toward the open end of the casing to provide a trough within said casing adapted to guide a blowpipe tip into position to bridge said gap at any point lengthwise thereof; and an electric current converter within said casing behind said support and electrically connected to the circuit terminals; the perforations in said casing constituting ventilating means for said casing, to dissipate heat developed by said current converter and to permit the escape of gas discharged into the casing when said tip is inserted into said trough to ignite the gas discharging from said tip.

2,076,692

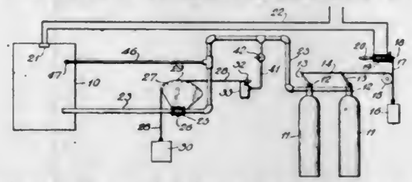
FIRE EXTINGUISHING APPARATUS

Scott E. Allen, Glen Ridge, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware

Application September 8, 1934, Serial No. 743,233

13 Claims. (Cl. 169—11)

13. A fire extinguishing apparatus for protecting an enclosure from which gas may have limited egress, said apparatus comprising, in combination, a conduit leading into the enclosure, means operable when a fire occurs to connect the conduit to a source of fire extinguishing fluid which is gaseous at normal atmospheric pressures and temperatures so as to lead said fluid into said enclosure, said source comprising an amount of the fluid considerably in excess of that necessary to establish a fire extinguishing atmosphere in the



enclosure, the conduit being constructed and arranged to discharge said fluid at a rate sufficient to establish quickly said fire extinguishing atmosphere in the enclosure, and means constructed and arranged to terminate such rapid discharge after the fire extinguishing atmosphere has been established and to substitute therefor a materially reduced discharge from said source sufficient however to compensate for said egress.

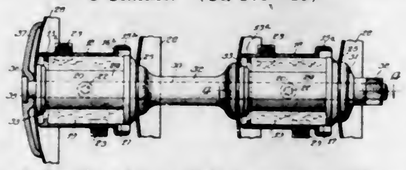
2,076,693

DISK HARROW BEARING

Rudolph J. Altgelt and William D. Dewend, South Bend, Ind., assignors to Oliver Farm Equipment Company, a corporation of Delaware

Application March 22, 1933, Serial No. 662,044

8 Claims. (Cl. 308—19)



1. A bearing for a disk harrow spindle comprising a bracket having a semi-circular portion, a complementary cap secured to said semi-circular portion, a wood bushing mounted between said cap and said semi-circular portion and having a wearing portion at one end thereof substantially equivalent to the amount said bushing protrudes beyond said cap and said semi-circular portion, and a spindle having a flange engaging the entire end surface of said wood bushing for sustaining the end thrust exerted by said disk, the wearing portion of said wood bushing and said flange sustaining the entire end thrust wear on said bearing.

2,076,694

ELECTRICAL CONNECTER

Jacob Bertschi, Chicago, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois

Application May 26, 1933, Serial No. 672,948

5 Claims. (Cl. 173—269)



1. A connecter comprising an elongated resilient strip of current conducting material having

transverse recesses extending inwardly from opposite side edges in alternate and staggered relationship, said strip having at one end transversely extending fingers and near the other end a portion of reduced width about which said fingers may be bent to form the strip into a closed loop.

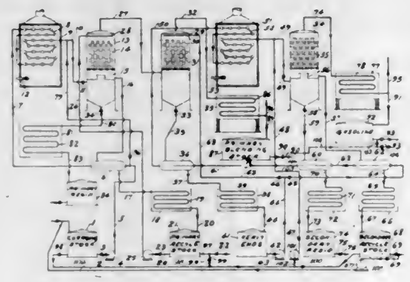
2,076,695

PROCESS OF PRODUCING AN IMPROVED MOTOR FUEL AND SOLVENT OIL

John C. Black, Beverley Hills, Calif., assignor to Gasoline Products Company, Incorporated, Newark, N. J., a corporation of Delaware

Application July 5, 1929, Serial No. 376,228

5 Claims. (Cl. 196—50)



1. In the conversion of higher boiling hydrocarbon oils into lower boiling ones, the process that comprises subjecting higher boiling oil in a primary reaction zone to cracking temperature to effect cracking, primarily separating the resultant naphtha stock from higher boiling materials, secondarily separating by fractionation the higher boiling portions of said naphtha stock consisting mainly of hydrocarbons in the gasoline boiling range from the lower boiling portion thereof, passing the said separated gasoline hydrocarbons through a heating coil wherein the gasoline constituents are subjected to a temperature sufficient to effect conversion into products of increased anti-knock value, passing the resultant products from said heating coil to a fractionating zone wherein said products are fractionated to separate out a gasoline stock and a higher boiling oil and introducing said higher boiling oil into contact with the products passing to said fractionating zone to subject the higher boiling oil thus introduced to cracking.

2. In the conversion of higher boiling hydrocarbon oils into lower boiling ones, the process that comprises subjecting higher boiling oil in a primary reaction zone to cracking temperature to effect cracking, subjecting the resultant cracked products to fractionation to separate out a gasoline fraction, a higher boiling condensate and a residual stock, passing said gasoline fraction through a heating coil wherein the gasoline constituents are subjected to a temperature sufficient to effect conversion into products of increased anti-knock value, passing the resultant products from said heating coil to a fractionating zone wherein said products are fractionated to separate out a gasoline stock and introducing at least a portion of aforesaid higher boiling condensate into contact with the products passing to said fractionating zone to lower the temperature of the stream of products entering therein.

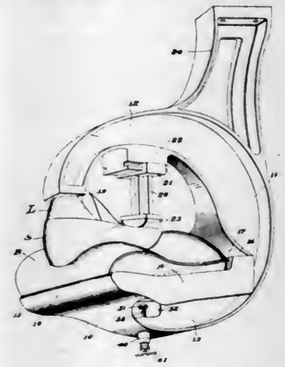
2,076,696

SHOE PRESS

Pincus Brauner, Haverhill, Mass.

Application November 16, 1934, Serial No. 753,263

9 Claims. (Cl. 12—33)



1. A shoe press for pressing a sole against a shoe to cement the sole in place, comprising an inflatable bag, a casting formed with a base for supporting the bag and an overhanging cantilever arm that extends over substantially the entire length of the base and provided with a rigid last-receiving abutment at its outer end to hold a shoe against the upward pressure exerted upon it when the bag upon the base is inflated.

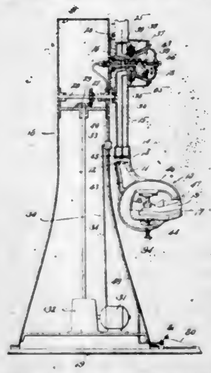
2,076,697

MACHINE FOR CEMENTING SOLES TO SHOES

Pincus Brauner, Haverhill, Mass.

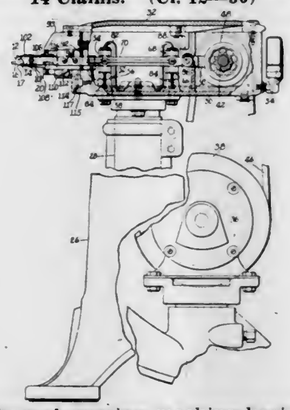
Application December 11, 1934, Serial No. 756,965

16 Claims. (Cl. 12—37)



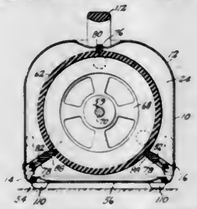
8. A machine for cementing soles to shoes comprising in combination, a series of jacks each having an inflatable bag for pressing a sole against a shoe, a wheel for supporting the jacks and provided with pipes leading from its hub to the jack bags, a shaft for rotatably supporting the wheel, means for controlling the inflation of said bags from the hub through said pipes including a valve casing secured to the wheel to rotate therewith and provided with a central conical bore, a conical non-rotating part that fits said bore to form an air tight joint therebetween, means for yieldingly holding said part seated in said bore and for floatingly holding said part from rotating.

2,076,698
LIP TURNING MACHINE
Charles G. Brostrom, South Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 10, 1935, Serial No. 35,657
14 Claims. (Cl. 12—30)



1. A channel opening machine having a tool for raising a channel lip from a sole, means for reciprocating said tool, a tool for turning back the raised lip, and means for reciprocating the lip-turning tool in a path extending substantially widthwise of the channel.

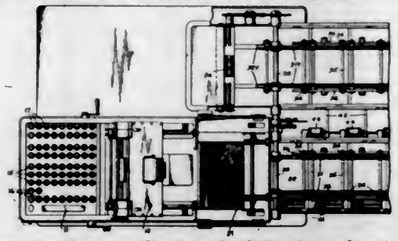
2,076,699
VACUUM CLEANER
Charles Lyman Brown, Jr., Old Greenwich, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application December 19, 1935, Serial No. 55,179
14 Claims. (Cl. 248—2)



1. In a vacuum cleaner, a casing member, a motor member, and means for removably mounting said motor member in said casing member including resiliently expandible and contractable structure pivotally connected to one of said members and pivotable into and out of engagement with the other of said members.

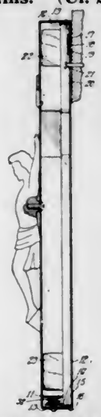
2,076,700
SORTING MACHINE
James W. Bryce, Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application January 19, 1931, Serial No. 509,644. Divided and this application September 14, 1933, Serial No. 689,382
11 Claims. (Cl. 209—110)

1. In a sorting machine, in combination, a plurality of record sorting stations for sorting records according to their perforations representing a single number on each record, a supplemental set of sorting stations for sorting records of another type, an analyzing device at each of the sorting stations first mentioned, each controlling means for causing when the perforated record represents the correlated number its disposition in the correlated station, and means



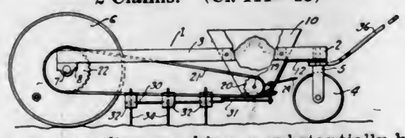
whereby the analyzing device at each station causes the disposition of a record of the other type in the correlated sorting station of the supplemental set.

2,076,701
CRUCIFIX
Fred Buck, Wilmette, Ill.
Application March 27, 1935, Serial No. 13,311
5 Claims. (Cl. 206—19)



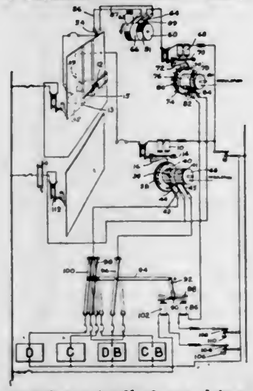
1. A crucifix comprising a pair of casing members having peripheral flanges for telescoping one within the other to provide a hollow casing when assembled, said flanges having openings therein at one end of the crucifix which openings are aligned with each other when the casing members are telescoped together in closed position and a latch carried by one of said members movable through said openings to secure the two members together.

2,076,702
SEEDING MACHINE
Phillip L. Byers, Clyde, Ohio, assignor to Harry S. Day, Fremont, Ohio
Application August 5, 1936, Serial No. 94,319
2 Claims. (Cl. 111—13)



1. In a seeding machine, a substantially horizontal U-shaped frame, a hopper disposed between the sides of the frame at the front thereof, means to connect the hopper to the sides of the frame with the bottom of the hopper projecting below the frame, brackets connected to the front of the frame and having depending portions which are secured to the front side of the hopper for supporting the latter, a raking device rearwardly of the hopper composed of spaced cross members having depending teeth, tie members connecting the cross members, flexible members connected to the raking device and to the depending portions of the brackets whereby the raking device may move transversely of the frame, a following roll journaled at the rear end of the frame, seeding feeding means within the hopper and means to actuate the said feeding means by the roll.

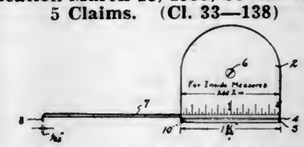
2,076,703
RECORD CARD CONTROLLED STATISTICAL MACHINE
Charles Campbell, London, England, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 19, 1928, Serial No. 327,037
In Great Britain December 31, 1926
9 Claims. (Cl. 235—61.8)



1. In a record controlled machine, record analyzing mechanism, a translator device comprising means controlled by the analyzing mechanism for receiving operating impulses singly whose values are determined by their time spacing, and means controlled by said first named means for emitting two operating impulses for each one received, said emitted impulses having values determined by a different time spacing with respect to the original time spacing and one of said emitted impulses corresponding to the direct value of a received impulse and the other to its complementary value.

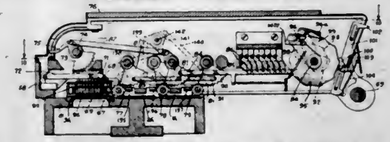
9. In a record controlled machine, in combination, a single balance accumulator, means for analyzing amount representing perforations in a record, means under control of said analyzing means for normally entering the amount negatively in said balance accumulator, positive number entering means under control of said analyzing means for entering an amount positively in said balance accumulator, means for analyzing a record for the presence of a perforation in one of a number of predetermined positions in a record of one type or for the presence of a perforation in one of a number of other predetermined positions of a record of another type, devices for rendering the positive number entering means effective and the negative amount entering means ineffective, and selective means for causing said devices to be rendered effective by the last named analyzing means in response to analyzing a perforation in a record of either type.

2,076,704
STEEL RULE
Frederick O. Carlson, New York, N. Y., assignor to Master Rule Manufacturing Company, Inc., New York, N. Y., a corporation of New York
Application March 18, 1935, Serial No. 11,566
5 Claims. (Cl. 33—138)



1. A measuring instrument adapted for inside measurements comprising a casing having a tempered steel tape coiled therein and withdrawable through an opening in the casing, said tape having standard and full graduations thereon starting from zero at one end and extending towards the other, and a hook member secured to the end of the tape and projecting therebelow and beyond the end of the tape a distance equal to the thickness of the material thereof, said casing having a portion extending at right angles to the line of the tape when extended and also having indicia thereon indicating the factor to be added to the tape reading for an inside measurement, the length of the casing in the direction of the length of the tape being less than said factor by an amount equal to the thickness of the hook member.

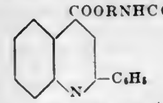
2,076,705
ASSORTING MACHINE
Fred M. Carroll, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 6, 1934, Serial No. 719,308
7 Claims. (Cl. 101—19)



1. In a machine of the class described, means for simultaneously printing a plurality of cards, means for punching predetermined ones of said cards, means for automatically varying the setting of parts of said punching means for serial numbering, and means for assembling the cards in predetermined order.

2,076,706
ACYLAMINOARYL PHENYLCINCHONINATES AND THE PREPARATION THEREOF
Walter G. Christiansen, Glen Ridge, N. J., and Sidney E. Harris, Lynbrook, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application March 18, 1932, Serial No. 599,842
4 Claims. (Cl. 260—39)

1. Compounds having the general formula

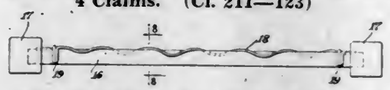


wherein R represents an aryl of the benzene series and R' represents a lower alkyl.

2,076,707
ARYL-PHENYL CINCHONINATES AND THE PREPARATION THEREOF
Walter G. Christiansen, Glen Ridge, N. J., and Sidney E. Harris, Lynbrook, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application March 18, 1932, Serial No. 599,843
10 Claims. (Cl. 260—39)

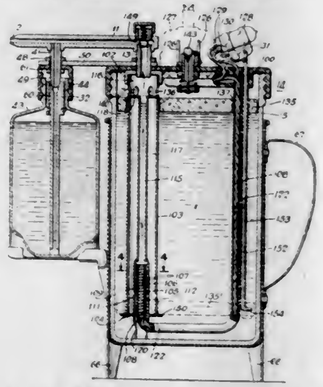
1. Compounds of the class consisting of nitroaryl alphaphenylcinchoninates and aminoaryl alphaphenylcinchoninates, where the aryl is of the benzene series.

2,076,708
ANTISLIPPAGE ATTACHMENT
Clark S. Comstock, Great Barrington, Mass.
Application February 1, 1936, Serial No. 61,877
4 Claims. (Cl. 211—123)



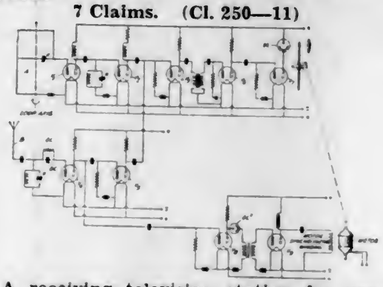
3. The combination of a towel rod with a length of wire coated with friction material and formed at each end into an arcuate clip adapted to straddle the rod and fasten said attachment thereto, said length of wire being of generally sinusoidal shape between said clips and also shaped to conform to the surface of the rod, and means for locking said length of wire against rotary movement on said rod.

2,076,709
SPRAYING DEVICE
Simon Deutsch, South Bend, Ind.
Application January 30, 1933, Serial No. 654,268
11 Claims. (Cl. 219—38)



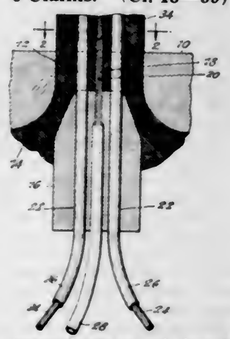
1. In a portable evaporator constituting a part of a sprayer for spraying a liquid by a discharge of compressed hot vapor supplied by said evaporator, encasing means having a space for holding a vaporizable liquid of varying level and a space above said liquid for collecting vapor generated from said liquid, evaporizing conduit means of narrow flow cross section having an inlet connected to the bottom level of said liquid holding space for guiding a flow of a thin layer of liquid from said liquid holding space, duct means of relatively small volume extending from the outlet end of said conduit means to the higher level of said vapor space for discharging fluid flowing through said conduit means into said vapor space, and heating means associated with said conduit means and said duct means confining the major flow of generated heat to the wall portions of said conduit means bordering said liquid layer, said conduit, duct and heating means being proportioned and constructed to convert liquid entering said conduit means into vapor discharging under pressure through said duct means into said vapor space.

2,076,710
RADIO DIRECTION FINDING SYSTEM
Harry Melville Dowsett, Winchmore Hill, London, and Roland John Kemp, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application May 18, 1933, Serial No. 671,646. Renewed June 14, 1935. In Great Britain May 25, 1932
7 Claims. (Cl. 250—11)



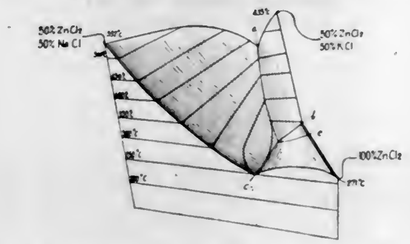
1. A receiving television station for use for bearing finding and similar purposes comprising, a frame or equivalent directional receiving system, an open aerial or equivalent substantially non-directional receiving system, a television scanning and picture synthesizing system, circuits connecting the receiving systems and the television and synthesizing system, means for building up by means of said scanning and picture synthesizing system a picture derived from signals received upon the substantially non-directional aerial system, and means for superimposing upon said signals, signals of reverse phase derived from the directional aerial system.

2,076,711
METHOD OF CORD CONSTRUCTION
Jacob Eagleson, Riverside, R. I., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application April 20, 1935, Serial No. 17,425
6 Claims. (Cl. 18—59)



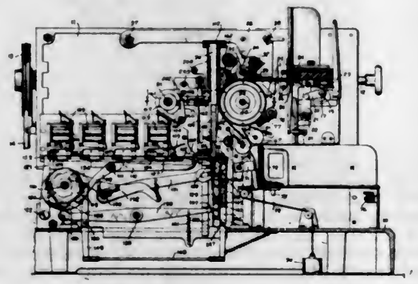
1. In the manufacture of insulated electric conductors, the method which comprises extruding a plastic mass while feeding a pair of conductors in the direction of the advance of the mass, simultaneously forming a longitudinally extending void in the mass between the conductors and concurrently introducing a liquid into such void to prevent adhesion of the walls thereof.

2,076,712
COVER FOR METAL BATHS
Colin G. Fink, New York, N. Y., Frederic J. Kenny, Tenafly, N. J., and John d'H. Hord, New York, N. Y., assignors, by mesne assignments, to Spowers Research Laboratories, Inc., Jersey City, N. J., a corporation of New Jersey
Application January 12, 1935, Serial No. 1,474
5 Claims. (Cl. 91—70.2)



2. A cover for zinc baths comprising a mixture of inorganic salts having a melting point below the melting point of the bath and being non-volatile and stable at the temperature of the bath, said mixture comprising about 26% of sodium chloride, about 14% of potassium chloride, about 43% of zinc chloride and about 15% of magnesium chloride.

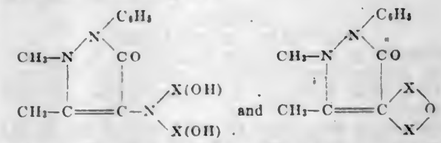
2,076,713
PERFORATED CARD INTERPRETER
Eugene A. Ford, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 25, 1935, Serial No. 46,773
17 Claims. (Cl. 101—93)



1. A printing mechanism having a reciprocable type carrier provided with a plurality of type elements, an invariably reciprocable crosshead, a frictional connection between said crosshead and carrier, means for moving said crosshead, means normally locking said type carrier against movement with the crosshead and means for releasing said locking means whereupon said type carrier will travel with said crosshead under the influence of said frictional connection.

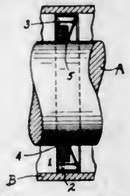
2,076,714
DERIVATIVES OF 1-PHENYL-2.3-DIMETHYL-4-AMINO-5-PYRAZOLONE
Louis Freedman, Albany, N. Y., assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 31, 1935, Serial No. 24,363
9 Claims. (Cl. 260—28)

5. 4-di-substituted amino derivatives of 1-phenyl-2.3-dimethyl-5-pyrazolone selected from the class consisting of



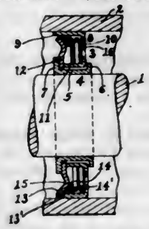
wherein X is selected from the group consisting of alkylene and phenylalkylene in which the beta carbon atoms are linked to the hydroxyl groups and oxygen atom respectively.

2,076,715
SEALING MEANS
Nathan F. Fretter, Cleveland Heights, Ohio
Application July 27, 1934, Serial No. 737,283
13 Claims. (Cl. 286—30)



1. A unitary sealing means adapted to be associated with a shaft within a hollow member, comprising a sheet metal cup shaped cage having a pressed-on fit with the inner wall of the hollow member, a plurality of relatively thin metallic sealing disks within said cage and surrounding and fitting the shaft, resilient means tending to move said disks axially of the shaft in one direction, and resilient means tending independently to move said disks along angularly disposed diametrical lines, one of said means operating to prevent relative rotation of said disks about their axes.

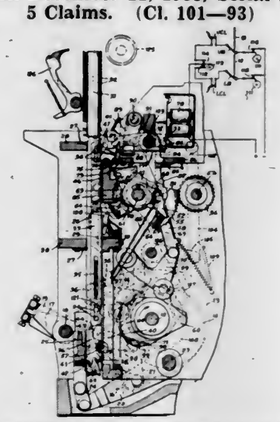
2,076,716
SEALING MEANS
Nathan F. Fretter, Cleveland Heights, Ohio
Application January 29, 1936, Serial No. 61,351
14 Claims. (Cl. 286—7)



1. In a unitary sealing means, the combination with inner and outer relatively rotatable members, of sheet metal sealing elements each

having a side wall fitting one of said members and portions integrally connected to said wall and inter-related with the integral portions of the other element to maintain said elements in assembled relation, an intermediate sealing element formed of substantially rigid material and interlocked to one of said elements and frictionally engaging with an integrally connected portion of the other element, and a sealing means between said intermediate sealing element and the element to which it is locked.

2,076,717
PRINTING MECHANISM
Frederick L. Fuller, West Orange, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 11, 1935, Serial No. 53,875
5 Claims. (Cl. 101—93)



1. In a printing mechanism operated in accordance with indicia represented by indicia bearing elements, the combination of a plurality of printing elements selectively controlled by said indicia bearing elements, a plurality of sensing stations for reading said indicia bearing elements, means for causing different portions of said indicia bearing elements to be read in successive machine cycles, means common to said sensing stations and responsive to the readings effected from the different portions of the indicia bearing elements, storage means controlled from said last named common means when operated by one of the sensing stations, for storing said reading in the printing mechanism, and means controlled by said common means when operated by another sensing station for positioning a certain printing element in accordance with reading of said sensing station in conjunction with setting of the storage means.

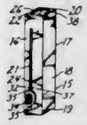
2,076,718
COSMETIC HOLDER
Albert Hagel, Newark, N. J., assignor to Consolidated Safety Pin Company, Bloomfield, N. J., a corporation
Application April 6, 1933, Serial No. 664,746
Renewed February 26, 1937
1 Claim. (Cl. 206—56)

A cosmetic holder comprising a casing formed in two parts, one comprising a bottom and side walls, and the other a top, front and back, these parts being adapted to be connected together, an opening formed in the top, cover-members pivotally connected with the front and back and each having a top-plate adapted to close the opening in the top, an elevator within the cas-



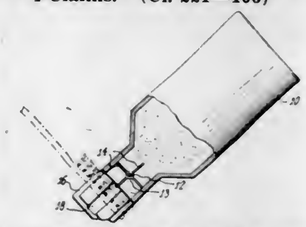
ing, and means for raising the elevator and separating the cover-plates.

2,076,719
COSMETIC HOLDER
Albert Hagel, Newark, N. J., assignor to Consolidated Safety Pin Company, Bloomfield, N. J., a corporation
Application April 26, 1933, Serial No. 667,956
Renewed February 26, 1937
2 Claims. (Cl. 206—56)



1. A cosmetic holder comprising a casing, open on one side and formed in its front wall with a longitudinal slot and in its top with an opening, a cover-member pivotally connected with the casing and having beveled front and rear walls extending into said casing, said cover formed with a bottom and provided with a spring-toe tending to force the cover to an open position, an elevator in said casing, and a finger-piece connected with said elevator by means extending through the slot in the front wall, one of the walls of the cover bearing against the elevator and the other against the means for moving it.

2,076,720
TOOTH POWDER CONTAINER
John R. Haggerty, Elizabeth, N. J.
Application November 21, 1935, Serial No. 50,855
4 Claims. (Cl. 221—106)

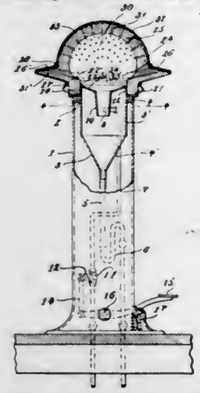


1. In a container having a neck, a member rotatably mounted in said neck and having a plurality of paddle blades extending radially therefrom, the length of said blades being such that when a blade is in its outermost position toward the mouth of the container the edge of said blade extends beyond the periphery of said mouth, and a cap hingedly mounted on said neck, said cap having a cut-out in its underside.

2,076,721
HEAD SIZE SHAPING AND FINISHING METHOD AND APPARATUS
Charles J. Healey, Philadelphia, Pa., assignor to John B. Stetson Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 1, 1934, Serial No. 737,869
6 Claims. (Cl. 223—12)

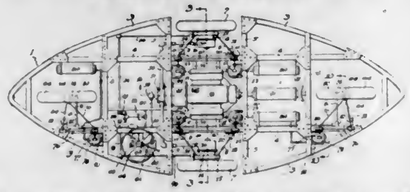
1. An apparatus for shaping felt hats to the exact head size to finish them, comprising a po-

rous absorbent plaster form having a hollow crown and brim portion in one piece and perforated to lead steam from the hollow to the outer surface of the form, a hollow neck integral with the form, providing for the tying of the hat ma-



terial below the brim portion the neck being adapted for freely removable engagement with a steam supply member for supplying steam to said perforations and said member with means for leading steam thereto.

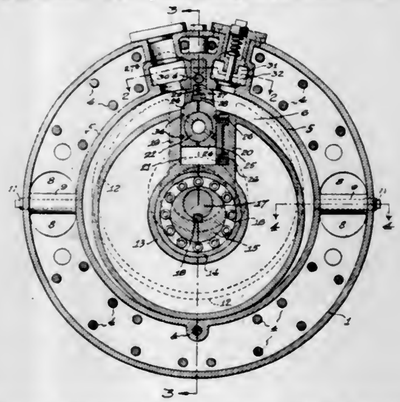
2,076,722
MOTOR VEHICLE
John O. Heinze, Detroit, Mich., assignor to Heinze Development Company, Detroit, Mich., a corporation of Michigan
Application April 10, 1935, Serial No. 15,662
9 Claims. (Cl. 180—21)



2. In a motor vehicle, the combination of a chassis frame having sides curved in plan view and converging toward each end of said frame to form pointed ends, said frame being adapted to support a body conforming in plan view to the outline of said frame to give stream lining, a ground engaging steering wheel within each pointed end of said frame and wholly within the outline thereof in plan view, means for individually and yieldingly connecting each steering wheel to said frame, means for connecting said wheels to turn together in steering the vehicle, a ground contacting driving wheel at each side of said frame and wholly within the outline thereof in plan view, means forming an individual yielding connection for each of said driving wheels to said frame, and separate means for driving each of said driving wheels.

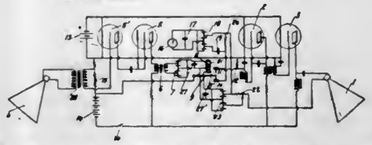
2,076,723
ECCENTRIC PISTON PUMP OR COMPRESSOR
John O. Heinze, Detroit, Mich., assignor to Heinze Development Company, Detroit, Mich., a corporation of Michigan
Application November 15, 1935, Serial No. 49,913
2 Claims. (Cl. 103—131)

1. A device of the character described comprising a cylinder having a peripheral wall and circular heads, a shaft mounted axially of said cylinder, an eccentric on said shaft, a circular piston in said cylinder upon said eccentric, said piston having a slot opening through the ends and periphery thereof, a pivot pin extending through said slot in said piston longitudinally of said slot and secured in the said cylinder heads, half bearing members in said slot upon said pin for rotation thereon with the oscillatory movement of said piston, the outer end of said pair of bearing members being curved concentric with the axis of said pin and said pair being of a length equal to the length of the piston in which it is mounted, and an abutment wall projecting into said cylinder



from the peripheral wall thereof, said abutment wall being of a thickness substantially equal to the width of said slot in said piston and extending inward to adjacent the open outer side of said slot with its inner end surface curved to conform to the curvature of the outer surface of said pair of half bearing members, and means for yieldingly pressing one of said half bearings into close contact with one side of said pivot pin and through the rotative adjustment of said piston caused thereby, to press the other half bearing into contact with said pin and with the opposite side wall of said slot, said cylinder being formed with an inlet passage at one side of said abutment wall and an outlet passage at the opposite side.

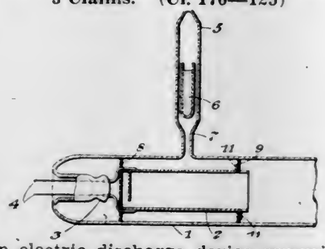
2,076,724
ELECTROACOUSTIC SOUNDING APPARATUS
Gaëtan Gilbert Jacquet and Raoul Edouard Badin, Paris, France
Application February 23, 1935, Serial No. 7,734
In France March 6, 1934
4 Claims. (Cl. 177—352)



1. In an airship sounding apparatus comprising an emitter of acoustic type adapted for sending sound waves toward the ground, a separate acoustic receiver converting into electrical energy the waves emitted by said emitter after their reflection from the ground, and means for measuring the time taken by said waves to reach the ground from the airship and to return, means for generating a direct auxiliary current of a strength proportional to that of the emission, means for

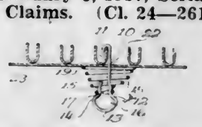
detecting the current generated in the receiver, and means for neutralizing by said direct auxiliary current the component of the total current generated in said receiver due to the direct action of said emitter.

2,076,725
ELECTRIC DISCHARGE LAMP
Henry G. Jenkins and John W. Ryde, Middlesex, England, assignors to General Electric Company, a corporation of New York
Application February 23, 1935, Serial No. 7,922
In Great Britain February 23, 1934
3 Claims. (Cl. 176—125)



1. An electric discharge device comprising an envelope having iron electrodes sealed therein and containing a discharge supporting gas, said envelope having a source of anthracene vapor therein for introducing a stream of said impurity into the discharge path between said electrodes, said impurity producing a ripple discharge in said gas.

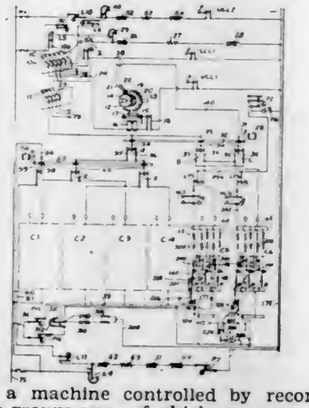
2,076,726
ATTACHING CLIP
Willard B. Kamen, Chicago, Ill.
Application January 6, 1937, Serial No. 119,188
2 Claims. (Cl. 24—261)



1. A fastener comprising a conically coiled wire spring of which the smallest convolution at one end is adapted to serve as a retaining ring, and the largest convolution at the other end is adapted to serve as a base, and a stem passing axially through said spring, said stem having an enlarged head at one end thereof, a reduced neck portion immediately adjacent said head for receiving the retaining ring by means of which the said spring will be held in assembled position with said stem, and a hook portion at the other end of said stem.

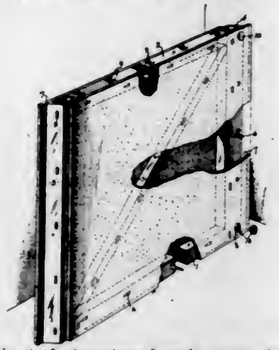
2,076,727
PERFORATED CARD CONTROLLED ACCOUNTING MACHINE
Harold Hall Keen, Letchworth, England, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 8, 1930, Serial No. 473,960
In Great Britain September 16, 1929
21 Claims. (Cl. 235—61.7)

1. A machine of the class described comprising means for analyzing data designations in successively presented records, accumulating mechanism controlled thereby, means for printing totals standing on said accumulating mechanism including means for printing a special sign when totals are printed, an auxiliary analyzing device operative to detect the presence of a special designation in any record regardless of the order of occurrence of the record bearing said special designation, and means controlled by the auxiliary analyzing device for rendering the sign printing means ineffective to print the special sign on the occurrence of a record having the special designation.



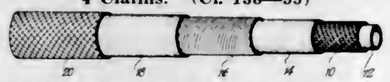
14. In a machine controlled by records arranged in groups some of which groups may have a special record with means to distinguish the special record from the other records, means to accumulate items under control of the records, means to stop the accumulating means at the end of a group of records, total taking means including means for restarting the accumulating means after accumulation has been stopped by the stopping means, means to prevent the total taking means and restarting means from being effective, and means controlled by the distinguishing means in the record for rendering the preventing means ineffective.

2,076,728
BUILDING STRUCTURE
Harry H. Keller, Ventnor, N. J., assignor to Bitting Incorporated, New York, N. Y., a corporation of Delaware
Application March 29, 1933, Serial No. 663,284
21 Claims. (Cl. 189—34)



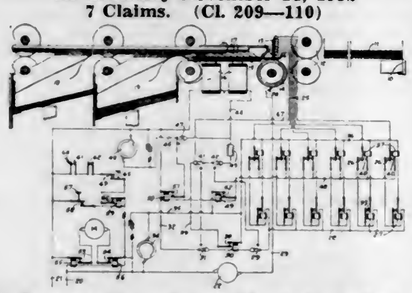
1. A fabricated structural unit comprising side, top and bottom members secured together to form an open portable frame, the entire outer faces of the side members being flat and lying at an oblique angle to the plane of the unit and surface covering attached to both sides of the unit, the covering extending beyond the sides of the unit.

2,076,729
LATEX TREATED TUBING
Joseph A. Kennedy, Pawtucket, R. I., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Original application January 22, 1932, Serial No. 588,157, now Patent No. 2,019,709, dated November 5, 1935. Divided and this application May 22, 1935, Serial No. 22,719
4 Claims. (Cl. 138—55)



1. A flexible article of the character described comprising an innermost woven tube, whose inner raceway includes a coating of impervious lacquer, a thin layer or film of self-cured rubber latex over said tube, a braided jacket over said layer and a protective film of latex rubber over said braided jacket.

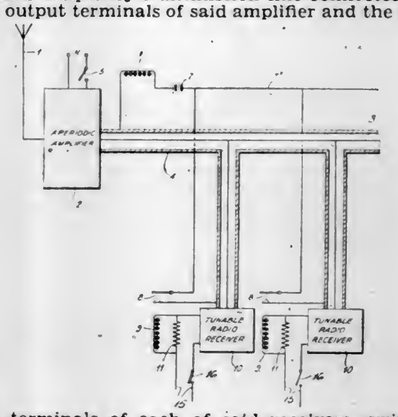
2,076,730
SORTING MACHINE
Ulrich Kölm, Berlin-Lankwitz, Germany, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 27, 1933, Serial No. 673,143
In Germany November 14, 1932
7 Claims. (Cl. 209—110)



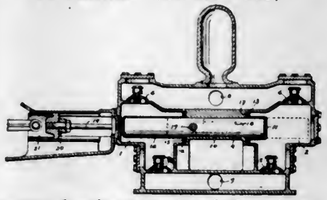
1. In a sorting machine having a plurality of pockets, sensing means to sense record cards in motion, means controlled by perforate index points of a certain column on a record card to sort the cards into the several pockets according to the location of the index points in the card column, electrical circuits controlled by a perforate index point in any index position in any one of a plurality of columns to control the sorting means to sort all cards having a single perforate index point in any one of said plurality of columns into a certain pocket, and other electrical circuits conditioned by the first mentioned circuits and controlled by a second perforate index point in any one of the columns to control the sorting means to sort all cards having plural perforate index points in any one column into a certain other pocket.

2,076,731
CENTRALIZED RADIO SYSTEM
Ernst Krueger, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 11, 1934, Serial No. 747,843
In Germany October 10, 1933
3 Claims. (Cl. 250—9)

1. In a radio frequency distribution system, the combination of an aperiodic amplifier, an antenna coupled to the input of said amplifier, means for energizing said amplifier including a relay, a plurality of radio receivers located at points remote from said amplifier, a current energizing circuit connected to each of said receivers, a radio frequency transmission line connected to the output terminals of said amplifier and the input terminals of each of said receivers, switch means located at each of said receivers for operating said relay and a relay coil connected in series in the current energizing circuit of each of said receivers arranged to actuate said switch means in response to the passage of current through said energizing circuit.



2,076,732
PUMP
Oscar Kuehne, San Antonio, Tex.
Application June 29, 1934, Serial No. 733,052
11 Claims. (Cl. 103—148)



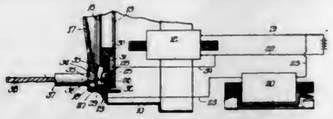
1. A pump having a pair of chambers; an inlet valve and an outlet valve for each of said chambers; a bearing between said chambers; a piston reciprocable in said bearing and extending into said chambers; elastic cup-shaped members sealed to the walls of said chambers and taut on and enclosing the ends of said pistons to seal said ends from said chambers; and reciprocating means extending into said bearing and connected to said piston between said members.

2. A pump having a pair of chambers; an inlet valve and an outlet valve for each of said chambers; a bearing between said chambers; a piston reciprocable in said bearing and extending into said chambers; means to seal the ends of said piston from said chambers; and reciprocating means extending into said bearing and connected to said piston between said sealing means.

2,076,733
ALARM CLOCK
Benjamin E. Lawrence, Chicago, Ill.
Application June 3, 1936, Serial No. 83,284
3 Claims. (Cl. 58—19)

1. The combination with a clock, and an electric signal member, of an insulated metal ring

attached to the clock dial plate and forming part of a circuit through said signal member, an annulus encircling the clock dial and having formed therein a ring of closely spaced holes, a circuit terminal member carried by and insulated from

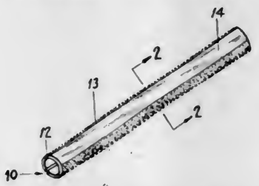


a hand of the clock in sliding contact with said ring and having a flexible extension, and a pin insertible into any of said holes across the path of said extension cooperating with said terminal member and ring to close a circuit through said signal member.

2,076,734

ABRADANT TUBE FOR PERCHES

Joseph P. Leindorf, Pelham Manor, N. Y.
Application December 16, 1935, Serial No. 54,550
2 Claims. (Cl. 119—26)

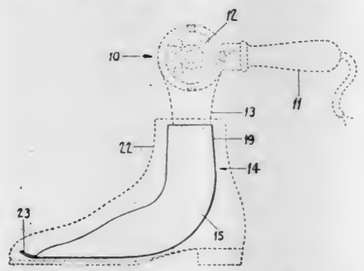


1. An abradant tube for canary cage perches, comprising an elongated paper tube slit lengthwise, said tube being resilient and being adapted to frictionally grip a perch of larger diameter than its bore, said tube having abrasive material glued to the two sides of its outer surface.

2,076,735

SHOE DRYING ATTACHMENT

Joseph P. Leindorf, Pelham Manor, N. Y.
Application February 17, 1936, Serial No. 64,194
3 Claims. (Cl. 34—26)

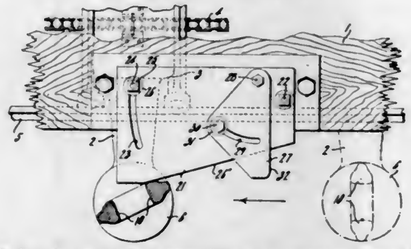


1. A portable shoe drying attachment having a linear bottom substantially coextensive with the sole of a shoe and being designed for insertion into an upright shoe while supporting an air blower at its upper end, comprising a curved tubular body forming substantially a right angle, said body having a constricted outlet extending into the shoe to the tip and being defined by upper and lower walls, said walls being slightly spaced apart, the lower wall being angularly directed and extending outwardly more than the upper wall, the upper wall being curved all along its length into said tubular body and forming a channel permitting outward flow of air entering said shoe through said body.

2,076,736

ARTICLE ASSEMBLING CONVEYER MECHANISM

Harry F. Lewis, Hamden, Conn., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application July 26, 1935, Serial No. 33,234
10 Claims. (Cl. 12—1)

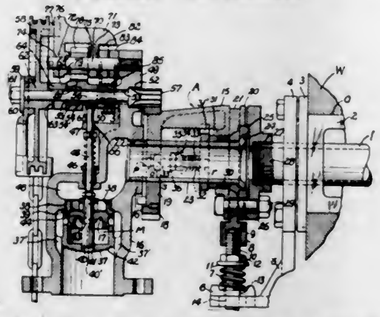


1. In an article assembling conveyer provided with spaced assembling stations, a series of rotatable article supports movable in a continuous and fixed path by the conveyer, and closely spaced successive normally fixed members in said continuous fixed path of said supports and between two adjacent assembling stations for imparting successive movements of partial rotation to a support engaging them.

2,076,737

BOILER CLEANER

Frederick W. Linaker, St. Louis, Mo.
Application November 28, 1934, Serial No. 755,135
4 Claims. (Cl. 122—392)

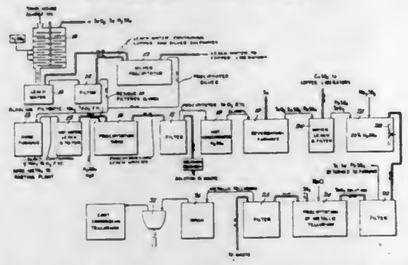


1. A boiler cleaner comprising a revolvable blower tube, a valve casing communicating with the blower tube, a revolvable support for said casing, a valve in said casing and actuating mechanism carried by the valve casing, said mechanism comprising means for revolving said support including an operating sheave and a clutch between the sheave and the support, and means for operating the valve including a cam, a cam actuating lever, and a clutch between said lever and cam, a driving lug on the operating sheave for oscillating said lever when the sheave is rotated, spring means for maintaining said lever in the path of said lug when not engaged thereby, said clutch between the operating sheave and support having lost motion to cause the actuation of the blower tube to lag behind the actuation of the valve.

2,076,738

RECOVERY OF TELLURIUM

Oliver C. Martin, Plainfield, N. J., and Charles W. Clark, Pointe aux Trembles, Quebec, Canada
Application March 10, 1936, Serial No. 67,998
12 Claims. (Cl. 75—99)

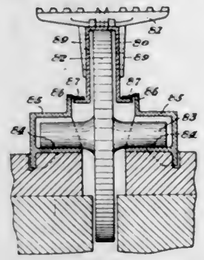


1. Process of recovering tellurium from materials of the nature of alkaline slags containing a tellurium compound together with other substances including copper, lead and/or selenium, which comprises water leaching said material, mixing sufficient dilute sulphuric acid with the resulting leach waters to form precipitates including an oxide of tellurium, separating the precipitates from the resulting liquid, applying hot concentrated sulphuric acid to the precipitates to form a mud-like mixture, heating said mixture to a temperature sufficient to drive off a substantial part of any selenium present, and to leave a dry mixture containing sulphates and the oxide of tellurium, removing the soluble sulphate by water leaching the latter mixture, then removing the oxide of tellurium by applying a liquid to dissolve the same, and applying reagent material to the oxide of tellurium solution to precipitate metallic tellurium.

2,076,739

HEATING FURNACE

Paul S. Menough, Pittsburgh, Pa., assignor to Michiana Products Corporation, Michigan City, Ind.
Application November 15, 1933, Serial No. 698,109
14 Claims. (Cl. 198—219)

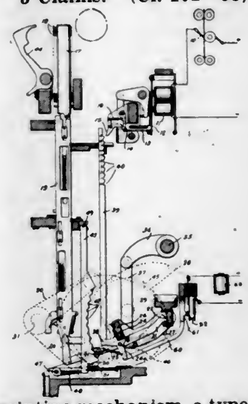


12. In a continuous high temperature furnace for heat treating metallic material, means for moving the material through the furnace including a plurality of longitudinally extending inverted channel beams, each of said beams comprising a bearing surface and flanges extending downwardly therefrom, antifriction members spaced longitudinally of said beams, extending into said channels between said flanges and engaging said bearings for supporting said beams and for preventing warping of said flanges, and means for reciprocating said beam on said antifriction members.

2,076,740

PRINTING MECHANISM

Albert W. Mills, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 11, 1934, Serial No. 739,409
5 Claims. (Cl. 101—93)



1. In a printing mechanism, a type carrier movable to a plurality of printing positions, a driving element for the same having an invariable movement, latching means for positively coupling the carrier to the driving element for movement thereby in one direction, a bar pivoted to said latching means, means for operating said bar at differential times to effect unlatching of said carrier from said driving element, and constantly effective means for preventing retrograde movement of said carrier upon its release from the driving element.

2,076,741

FENESTRATED ENDOSCOPIC TUBE

Myrle R. Peck, New York, N. Y., assignor to American Cystoscope Makers, Inc., New York, N. Y., a corporation of New York
Application April 9, 1935, Serial No. 15,497
3 Claims. (Cl. 128—4)



3. A fenestrated endoscopic tube having on its outer surface, marginally around the fenestra, an electrodeposit of gradually diminishing thickness with the thickest portion at the fenestra edge, and an outer uniform coating on the tube concealing said electrodeposit.

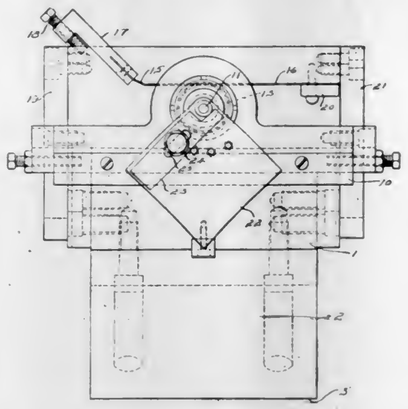
2,076,742

FORM TOOL GRINDING FIXTURE

Harry Pelphrey, Detroit, Mich., assignor, by mesne assignments, to Michigan Tool Company, a corporation of Delaware
Application May 7, 1930, Serial No. 450,501
2 Claims. (Cl. 125—11)

1. In combination with a rotatable spindle having an abrasive wheel thereon for grinding a splining hob forming member, a support, a rotatable tool guide shiftably mounted on said support, comprising a shaft, drums on said shaft, a pair of flexible bands each wound on one of said drums in an opposite direction relative to the other band and secured to said support for shifting said tool guide linearly during rotation thereof and a re-

ciprocating cutting tool on said guide, the cutting edge of said tool being retained by the re-



lated lineal and rotary movement of said guide in various paths which are tangent to a cycloidal curve.

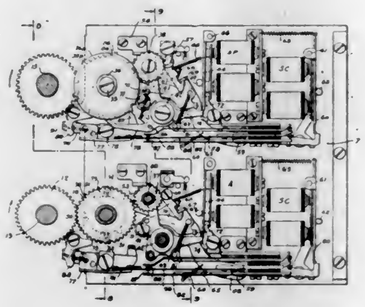
2,076,743

ACCUMULATING AND PRINTING DEVICE

Edward J. Rabenda, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application May 16, 1934, Serial No. 725,837

9 Claims. (Cl. 235—61.9)



1. In a machine controlled by a perforated record with digit index points each representing a digit and a plurality of special index points each representing a multidenominational number, an accumulator wheel, a driving means for said wheel, a magnet controlling the engagement of said wheel with said driving means, means for sensing said digit index points and controlling the energization of said magnet at a differential time to operate said wheel to add a digit corresponding to the index point perforated, means for sensing said special index points and controlling an early energization of said magnet to operate said wheel to add a multidenominational number corresponding to the special point perforated, and means for disengaging said wheel from said driving means at the end of an adding cycle.

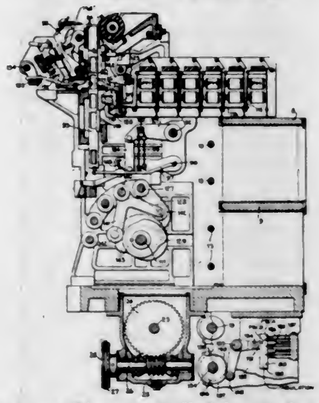
2,076,744

PRINTING DEVICE

Edward J. Rabenda, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Original application May 16, 1934, Serial No. 725,837. Divided and this application January 10, 1935, Serial No. 1,087

10 Claims. (Cl. 101—93)



1. In a machine controlled by perforated records having columns of index points, means for sensing a perforation in a single column of index points, a plurality of typebars arranged together for printing the various denomination digits of a plural ordered number, means under control of said sensing means for controlling the adjustment of said plurality of typebars, and means for impressing said adjusted typebars against a record sheet to print a plural ordered number.

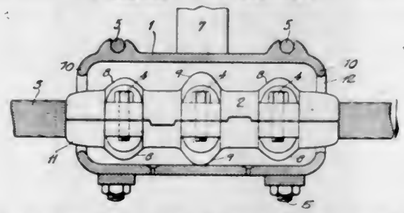
2,076,745

TRANSMISSION LINE SUPPORT

Carl A. Rogge, Hastings on Hudson, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Application April 29, 1936, Serial No. 76,916

7 Claims. (Cl. 248—63)



1. A support for transmission lines comprising a hollow supporting shell having internal abutments and a clamp adapted to be rigidly attached to a cable and freely movable within said supporting shell and having bosses for coaction with said abutments.

2,076,746

TYPEWRITER

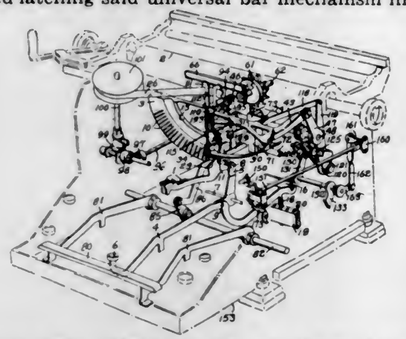
Dwight P. Rowland and Conrad C. Dahl, Detroit, Mich., assignors to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan

Application March 9, 1933, Serial No. 660,163

13 Claims. (Cl. 197—97)

4. In a typewriter, the combination of a frame, type bars, a segment supporting said type bars,

universal bar mechanism adapted to be actuated by said type bars, carriage escapement mechanism adapted to be actuated by said universal bar mechanism, mechanism for manually moving and latching said universal bar mechanism in an



inoperative condition, and a pair of spaced members mounted within said frame and supporting said segment and said universal bar, escapement and moving and latching mechanisms in their cooperative operating relationship.

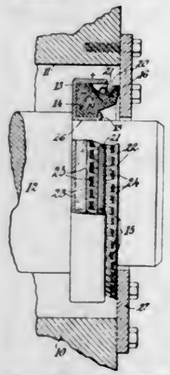
2,076,747

SELF-ADJUSTING OIL RETAINER

Maxwell E. Salisbury, Palmyra, N. Y., assignor to The Garlock Packing Company, a corporation of New York

Application October 19, 1935, Serial No. 45,728

5 Claims. (Cl. 286—7)



1. An automatically adjustable seal for closing the opening between two relatively rotatable machine elements comprising an annular metal shell adapted to be fixedly mounted on and in fluid-tight relation with the one of the machine elements which rotates when the machine is in use, a flexible sealing ring having an annular body portion in the shell, a sealing lip, and a groove in the outer peripheral face of the sealing ring which when spread will force such sealing lip into wiping contact with the other element of the machine, and a resilient means comprising a spreader ring disposed in said groove and a spiral spring encircling said spreader ring, said resilient means being adapted by its inwardly directed pressure to press said sealing lip against the other element of the machine, and being of such weight and initial tension that it will be urged radially outwardly by centrifugal force when it is rotated at the normal speed of the machine whereby the effective sealing pressure on the ring will vary with changes in the relative rotational velocity of the machine element.

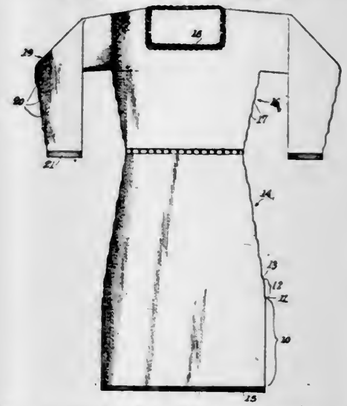
2,076,748

SEAMLESS KNITTING AND RESULTING PRODUCT

Sidonia Schweig, Jamaica, N. Y.

Application March 13, 1936, Serial No. 68,652

2 Claims. (Cl. 66—175)



1. The method of making a garment which consists in the steps of knitting a seamless skirt and blouse, each of gradually reducing width, providing said skirt and blouse with connecting means by crocheting at the waist edges thereof a plurality of loops, and thereafter connecting said skirt and blouse by positioning the loops of each adjacent each other and threading a tape therethrough.

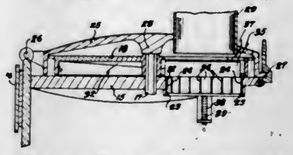
2,076,749

ROTARY DICER

Krell E. Spires, Dayton, and Mark C. Cosgray, Cincinnati, Ohio

Application July 25, 1934, Serial No. 736,920

9 Claims. (Cl. 146—78)



1. In a device of the class described the combination of a hopper for material to be reduced to small and substantially uniform pieces, a cutting die presenting connected cutting edges in the discharge path of and in spaced relation to said hopper, a rotary cutter between the hopper and die operable on material extending from the hopper and comprising a tapered bottom face whereby the severed material is forced into the die and means mounted adjacent one side of the die, and moving cyclically with the tapered face of the cutter at right angles to the plane of cutting, to preclude movement of the severed material across the face of the cutting die.

2,076,750

DISPENSING DEVICE

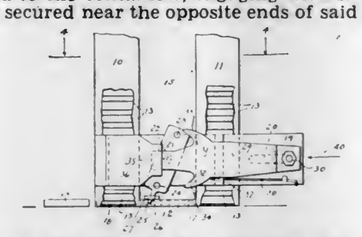
Louis Steiner, Brooklyn, N. Y.

Application May 12, 1936, Serial No. 79,241

2 Claims. (Cl. 312—67)

1. A dispensing device comprising a pair of spaced merchandise containers; discharge open-

ings formed in the opposite outside faces of said containers; a slide reciprocatingly mounted in the bottom of said device and in the space between said containers; said slide adapted to be moved alternately into the bottom of one or the other of said containers to discharge articles of merchandise therefrom; a cross bar secured to said slide; a rocker arm, mounted on a support secured to the containers, engaging with said bar; pins secured near the opposite ends of said rocker

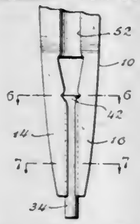


arm; a pronged bar, for actuating said rocker arm when engaged with one or the other of the said pins, pivotally and slidingly mounted on said support; the prongs so constructed that, when the bar is actuated so as to engage one of the prongs with one of the pins, the bar is moved from its normal position so as to prevent engagement of the other prong with the other pin; and a spring for holding the pronged bar in fixed relation to said pins when the bar is in its normal position.

2,076,751

THREAD CARRIER

Selbert Thierfelder, Sr., Boonton, N. J.
Application January 16, 1936, Serial No. 59,348
6 Claims. (Cl. 66—126)

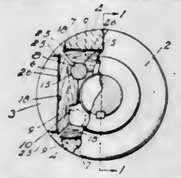


4. As an article of manufacture, a guide element for thread in a knitting machine, comprising a metallic tube of substantially the same cross-sectional area from one end thereof to a point just short of its other end, the edge of said tube at said other end thereof being flared abruptly outwardly to form a funnel for the entrance of the thread, the tip portion only of said one end of said tube being hardened whereby the remainder of said tube is relatively yieldable as compared to said tip portion.

2,076,752

FLEXIBLE COUPLING

George H. Thomas, Erie, Pa.
Application July 1, 1935, Serial No. 29,226
10 Claims. (Cl. 64—31)

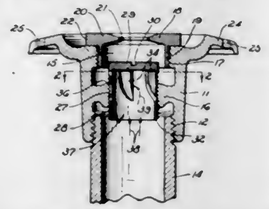


1. An intermediate coupling member comprising spaced pivot posts, and bearing blocks engaging said pivot posts whose outer surfaces normally form a square but being movable independently of their adjacently assembled bearing blocks.

2,076,753

ADJUSTABLE FULL CIRCLE SPRINKLER

Walter Van E. Thompson, Los Angeles, Calif., assignor to Thompson Manufacturing Company, Los Angeles, Calif., a corporation of California
Application April 20, 1936, Serial No. 75,298
8 Claims. (Cl. 299—119)



1. In a sprinkler of the class described, the combination of: a shell having side and end walls defining a chamber, and providing an outlet port; and an inlet member removably supported by said shell through which liquid enters said chamber, said inlet member having a downwardly opening cavity into which said liquid flows, and liquid swirling means for delivering said liquid from said cavity into said chamber.

2,076,754

GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Willem Uyterhoeven, Martinus van Dam, Cornelis Verburg, and Johannes Bruijnes, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application November 5, 1934, Serial No. 751,620
In Germany November 6, 1933
9 Claims. (Cl. 176—122)



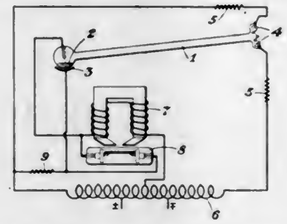
1. A gaseous electric discharge device comprising a container, electrodes sealed therein, a gaseous atmosphere and a vaporizable material therein, a narrow strip heat interceptor applied to the wall of said container, said strip being electrically isolated from said electrodes and extending along and being parallel to the discharge path between said electrodes to reduce the dissipation of heat from the part of said container covered by said heat interceptor whereby deposits of condensed vaporous material are localized at a selected part of said container.

2,076,755

GASEOUS ELECTRIC DISCHARGE DEVICE

Warren R. Walker, Short Hills, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Application December 13, 1932, Serial No. 647,016
1 Claim. (Cl. 176—45)

In combination, a mercury vapor arc device having a mercury cathode, at least one anode, and a conducting sheath in electrostatic relation to said cathode, an inductance in the lead to said cathode, a connection from said cathode to the lead to said anode, said connection including an evacuated metal to metal contact switch, and a high resistance connection to said sheath from

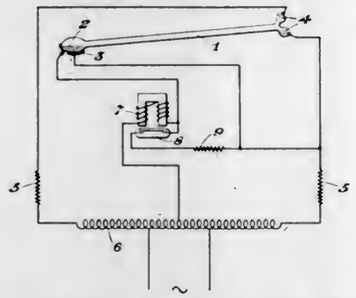


the side of said switch which is connected to said anode lead, said last mentioned connection being distinct from said connection between the cathode and the anode lead.

2,076,756

GASEOUS ELECTRIC DISCHARGE DEVICE

Warren R. Walker, Short Hills, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Application July 16, 1934, Serial No. 735,490
1 Claim. (Cl. 176—45)

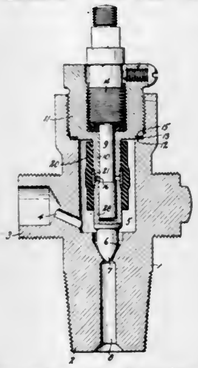


In combination, a mercury vapor arc device having a mercury pool cathode, at least one anode, and a conducting sheath for starting said arc in electrostatic relation to said pool, whereby said pool and said sheath form the plates of a condenser, a connection from said sheath to a point of substantially constant potential during the starting operation of the lamp, an inductance in the lead to said cathode, means to complete a circuit through said inductance independently of said device, said means including an evacuated metal to metal contact switch which also completes a circuit through said condenser and which is magnetically responsive to current flow through said inductance to open said circuit therethrough whereby a voltage surge is created which increases the potential difference between said cathode and said sheath and thus charges said condenser, an impedance path around said switch through which the charge on said condenser can escape, said switch having an inertia such that it opens and again closes the circuits therethrough before the condenser is completely discharged through said impedance path, and a resistance included within the aforesaid circuit containing said switch and condenser which limits the condenser discharge current through said switch to a value which will not fuse said contacts when said contacts reclose before the condenser charge has been dissipated.

2,076,757

OXYGEN VALVE

Karl Ewald Eugén Westberg, Stockholm, Sweden, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden, a corporation of Sweden
Application March 16, 1935, Serial No. 11,393
In Sweden July 31, 1933
4 Claims. (Cl. 251—139)

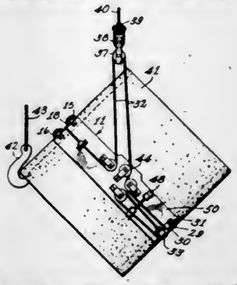


3. In a valve, a housing forming a valve chamber, a gland nut having threaded engagement with said housing and closing one end of said chamber, a conical valve seat in the other end of said chamber, a hollow cylindrical projection extending from said nut into said chamber, a pin reciprocally mounted in said hollow projection, a valve member mounted on said pin, said valve member having a convex surface so as to have line contact with said conical seat, a threaded member mounted in said cylindrical nut and adapted to bear against one end of said pin to move said valve member toward said seat, said valve member being formed with a cylindrical portion having a diameter substantially the same as that of said projection, and a resilient hollow packing member engaging said projection and said cylindrical portion, substantially the entire length of said packing member being interiorly supported by said projection and cylindrical portion against collapse due to fluid pressure within said chamber.

2,076,758

LIFTING AND TIPPING BAND

William A. Whiting, Los Angeles, Calif., assignor to American Concrete and Steel Pipe Company, a corporation of Delaware
Application June 22, 1936, Serial No. 86,617
5 Claims. (Cl. 294—74)



1. For use in handling pipe or the like: a band adapted to partially encompass a pipe comprising two plate sections; fixed sheaves mounted on

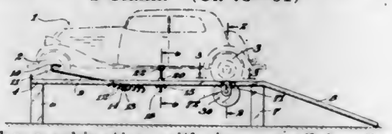
adjacent ends of said sections; means for connecting the other ends of said sections comprising movable sheaves having cables adapted to be secured to opposite ends of said sections; and cable means extending around said fixed and said movable sheaves, said cable means being anchored to said adjacent ends and to said movable sheaves.

2,076,759

AUTOMOBILE TESTING MECHANISM

Raphael Atti, Union City, and Daniel J. Hayes, Newark, N. J., assignors, by mesne assignments, to said Daniel J. Hayes

Application January 25, 1934, Serial No. 708,212
1 Claim. (Cl. 73—51)



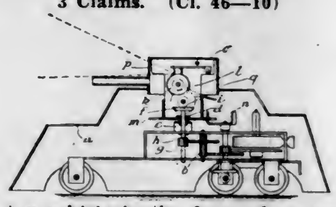
The combination with two parallel rails for supporting the wheels of a car, bearings extending down from said rails, a shaft journaled in said bearings, rollers eccentrically mounted on said shaft, a crossbar extending from one rail to the other, two arms connected to said crossbar to engage the side bars of the chassis of a car and predetermine the position of the side bars of a car relative to said rails, there being openings in said rails to permit said rollers to protrude therethrough into engagement with the rear wheels of a car so that the actuation of said rear wheels will in turn actuate said rollers to rock the wheels of the car alternately up and down relative to its chassis.

2,076,760

TOY VEHICLE WITH SPARK PRODUCING DEVICE

Carl Arnold, Nuremberg, Germany

Application November 1, 1935, Serial No. 47,817
In Germany July 29, 1935
3 Claims. (Cl. 46—10)



1. A toy vehicle in the form of an armoured car, tank or the like, comprising a spring motor adapted to propel the toy, a casing rotatably mounted on said motor, a crown wheel drive driven by said motor, a spark producing device in said casing actuated by said crown wheel drive, a rivet at the bottom of said casing, a star wheel loosely mounted on said rivet and rigidly connected with said casing, and a cam disc driven by said motor and adapted to rotate said star wheel, said casing and said spark producing device.

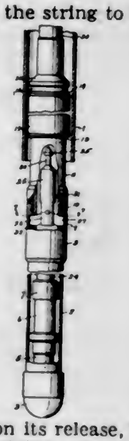
2,076,761

PACKER AND SETTING TOOL

Ernest L. Barker, Houston, Tex.

Application December 23, 1935, Serial No. 55,754
7 Claims. (Cl. 166—10)

1. In combination, a packer support, an expansible packer thereon, a setting string, a releasable device for locking the string to the support, said



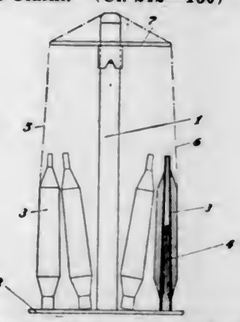
locking device, upon its release, being withdrawable, through the string.

2,076,762

SPOOL HOLDER FOR DOUBLE TWIST TWISTING SPINDLES

Otto Bochmann, Remscheid-Lennep, Germany, assignor to Barmer Maschinenfabrik, Aktiengesellschaft, Wuppertal-Oberbarmen, Germany

Application June 1, 1934, Serial No. 728,522
In Germany January 2, 1934
1 Claim. (Cl. 242—130)



A cop holder for double twist twisting spindles, comprising a vertical shaft, a cop supporting disk secured to the lower end of the shaft, a guide disk secured to the upper end of the shaft, a plurality of cop holding spindles secured to the cop supporting disk, said spindles being arranged in two concentric circles, the outer circle being presented in a vertical plane so that the axis will be in alignment with the peripheral edge of the guide disk and the inner circle of cop supporting spindles being presented angularly whereby the axis thereof will be in alignment with the outer peripheral edge of the guide disk.

2,076,763

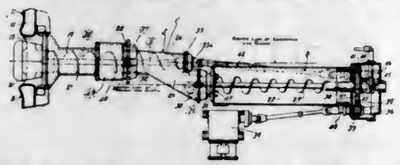
LOCOMOTIVE STOKER

Washington T. Capps, Baltimore, Md., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware

Application April 10, 1935, Serial No. 15,515
4 Claims. (Cl. 198—15)

1. In a locomotive and tender, a stoker comprising a rearward conduit section on the tender,

a forward conduit section on the locomotive and an intermediate conduit section, said intermediate conduit section being movably connected with said forward conduit section in end-to-end relation therewith and having its opposite end offset laterally from and movably associated with said rearward conduit section, a screw section in each of said conduit sections, said screw sec-



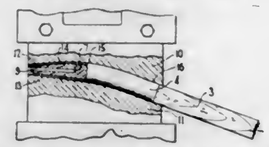
tions being disposed in parallel vertical planes, the screw section in said rearward conduit section being mounted in an approximately horizontal plane and arranged with its axis offset laterally from the axis of said intermediate and forward conduit screw sections, the screw section in said intermediate conduit section lying in said aforesaid horizontal plane.

2,076,764

METHOD OF MAKING HANDLES

Warren K. Cowdery, Ashtabula, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio

Application July 30, 1936, Serial No. 93,402
1 Claim. (Cl. 144—309)



The method of forming elongated wood handles for hand implements which includes tightly fitting a generally tubular metal ferrule onto an end portion of a previously thoroughly dried wood handle, simultaneously dry heating the ferrule and enclosed handle end portion to melt the natural wood fibre binding materials of the wood material thereof, then bending the metal ferrule and the wood contained therewithin simultaneously while the natural binding materials are still sufficiently heated as to still be at least plastically fluent, whereby longitudinal displacement of the fibres may occur without substantial fracturing thereof, and then permitting the wood and enclosing ferrule to cool while the bent enclosing ferrule maintains the wood material and fibres thereof in bent form in the longitudinally displaced relationship imposed upon them by the bending until said binding materials have solidified to cause said binding materials to maintain the wood fibres in their longitudinally displaced relationship occasioned by the bending of the wood handle end portion.

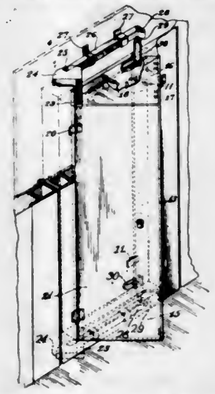
2,076,765

PROTECTIVE DEVICE

Glen R. Eldred, Cleveland, Ohio

Application March 25, 1933, Serial No. 662,753
14 Claims. (Cl. 20—1.01)

6. A protective device comprising a chassis, supporting means supporting said chassis movably in a doorway, a plurality of panels pivotally carried by said chassis and surrounding an enclosed space in which a person may stand, two of the panels being selectively movable, and interlocking connections between said two panels, said



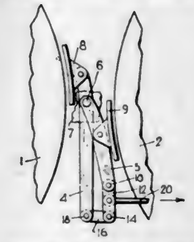
panels being movable into substantially parallel positions.

2,076,766

LOCOMOTIVE DRIVER BRAKE

Philip Franklin, King's Cross, London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application November 13, 1936, Serial No. 110,629
In Great Britain November 9, 1935
16 Claims. (Cl. 188—54)



1. In a brake equipment for a vehicle having a plurality of wheels, a pair of members extending between adjacent wheels and pivotal about an axis intermediate said wheels, one of said members carrying a brake shoe adapted to engage one of said wheels in a zone vertically above said axis, the other of said members carrying a brake shoe adapted to engage the other of the said wheels in a zone vertically beneath said axis, an equalizing element pivotally connected to said first named member at a point thereon a given distance from said axis and pivotally connected to said second named member at a point thereon less distant from said axis and said given distance, and a brake applying member operating through said equalizing element to move said members to press the brake shoes against the wheels.

2,076,767

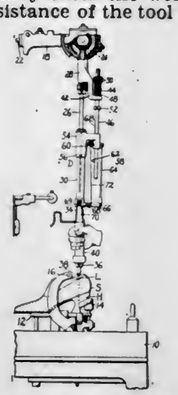
BORING APPARATUS

John W. French, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application October 22, 1934, Serial No. 749,353
16 Claims. (Cl. 144—93)

1. In a boring apparatus, a boring tool, gaging means arranged to predetermine the depth to

which the tool may enter the work, and means controlled by resistance of the tool to penetration



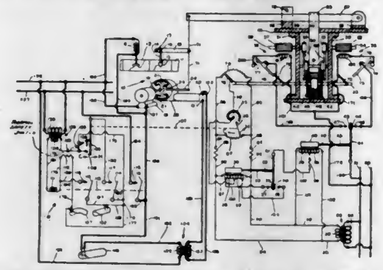
of the work for rendering the gaging means effective.

2,076,768

MODULATING OIL BURNER SYSTEM WITH INTERMITTENT IGNITION

Frederick S. Denison, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 11, 1933, Serial No. 697,687
15 Claims. (Cl. 236—1)



2. In combination with a burner, a fluid fuel supply line; a shut-off valve and a flow proportioning valve in series therein, a movable member which moves throughout a given range upon predetermined changes in the value of a condition, and means associated with said valves and movable member operative to position said flow proportioning valve in accordance with the position of said movable member at all times, to open said shut-off valve when the movable member reaches a given point in its range of movement when moving in a flow proportioning valve opening direction and to close the shut-off valve when the movable member reaches a given point, spaced from said first point, when moving in the opposite direction.

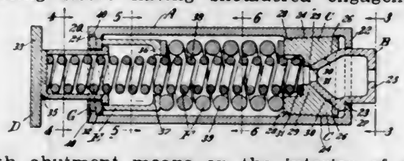
2,076,769

BUFFING MECHANISM

Arnold E. Dentler, Hinsdale, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application November 29, 1935, Serial No. 52,215
11 Claims. (Cl. 213—24)

1. In a shock absorbing mechanism of the character described, the combination with a friction shell; of friction shoes cooperating with the friction shell; a wedge at one end of the shell having wedging engagement with said shoes and being movable lengthwise of the mechanism and normally projecting outwardly of said end of the shell; a pressure transmitting member at the other end of the shell extending into the shell and movable lengthwise thereof; removable spacing sleeve having shouldered engagement



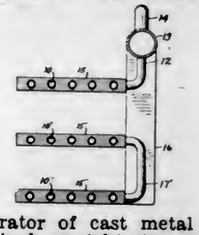
with abutment means on the interior of said shell at said last named end thereof; spring means opposing movement of said shoes inwardly of the shell and bearing on the inner end of said sleeve; and additional spring means opposing relative movement of said shoes and pressure transmitting member and extending through said sleeve.

2,076,770

EVAPORATOR

Alvis Yates Dowell, Hastings on Hudson, N. Y., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application August 18, 1933, Serial No. 685,690
11 Claims. (Cl. 62—126)



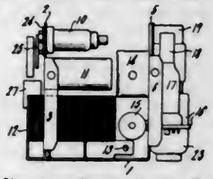
8. An evaporator of cast metal construction comprising a single upright structure formed of plates to provide extended heat transfer surface and a shelf at one side and extending from said structure, said shelf containing a coil embedded therein.

2,076,771

RADIO RECEIVER CONSTRUCTION

Leonard E. Eastman and Clarence B. Knudson, Springfield, Mass., assignors to United American Bosch Corporation, Springfield, Mass., a corporation of New York

Application June 27, 1936, Serial No. 87,687
2 Claims. (Cl. 250—16)



1. In a radio receiver, a U-shaped chassis member, one leg of said member having a plurality of apertures therein, vacuum tubes and coils mounted adjacent the apertures to extend transversely across the said member and having the terminals thereof projecting from the outer surface of said leg, supporting means on the outer surface of the opposite leg of said chassis member, and power supply components mounted on said supporting means.

2,076,772

SMOKELESS POWDER

Ellsworth S. Goodyear, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 4, 1934, Serial No. 755,876
11 Claims. (Cl. 52—13)

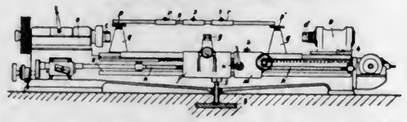
1. A smokeless powder coated with an alkyl phthalyl alkyl glycollate.

2,076,773

MACHINE FOR WORKING PRINTING MACHINE CYLINDERS, PARTICULARLY COPPER CYLINDERS IN COPPERPLATE PRINTING MACHINES

François André Goyot, Bellegarde, France

Application April 22, 1936, Serial No. 75,878
In France April 23, 1935
8 Claims. (Cl. 29—28)



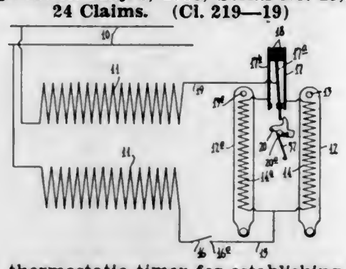
1. A machine for working the cylinders of printing machines, particularly copper cylinders for copperplate printing, comprising a frame, a fixed headstock disposed on one side thereof, a movable tailstock on the opposite side thereof, a bush on said headstock and said tailstock for receiving the pivots of cylinders near the center of gravity thereof to prevent vibration, a vertical guide on each side of the machine, a carriage carried by one of said guides for receiving the diamond tools, a graduated hand wheel for adjusting the diamond tools relative to the circumference of the cylinders, a second apertured carriage carried by said other guide for supporting polishing means, a bed member formed intermediate between said guide members in the frame for receiving and discharging water used in polishing, a leading spindle, a driving slide on said spindle for said tool carriage, a nut for coupling said leading spindle with said slide, and a steel ball disposed between two vertical parallel abutments between said slide and tool carriage for transmitting motion thereto from said slide without vibration.

2,076,774

HEAT REGULATING TIMER FOR TOASTERS AND OTHER HEAT APPLIANCES

Maurice H. Graham, St. Louis Park, Minn.

Application May 6, 1935, Serial No. 19,947
24 Claims. (Cl. 219—19)



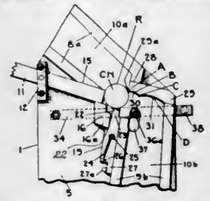
6. A thermostatic timer for establishing intervals of time comprising primary and secondary thermally responsive members equipped with individual heaters, means for primarily heating said primary timer member, automatic means operative as a result of the heating of said primary timer member for interrupting the supply of heat thereto and rendering the supply of heat operative on said secondary timer member, and automatic means operative as a result of heating of the latter for indicating the completion of the timed interval, and all of which actions take place during the same timed interval.

2,076,775

COIN CONTROLLED MECHANISM

Guldbrand Guldbrandsen, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a corporation of Vermont

Application July 15, 1935, Serial No. 31,409
13 Claims. (Cl. 194—97)



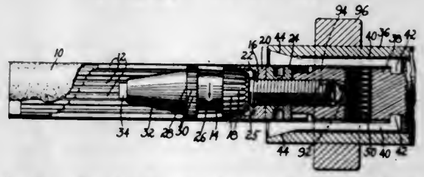
1. In coin controlled mechanism, a coin receiving shute, slidably mounted coin advancing means disposed at the outlet of the coin shute, a pivoted actuating arm provided with laterally extending coin contactor means and located below the coin advancing means and the coin shute, and laterally extending coin control means provided with successive recesses and spaced depending projections disposed at the coin shute outlet and adapted to guide and control the advance movement of the coin under influence of the coin advancing means by engaging the depending projections of the control means and contactor means so as to thereby operate the said actuating arm.

2,076,776

ABRADING TOOL

John B. Hadaway, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application June 20, 1935, Serial No. 27,551
5 Claims. (Cl. 51—190)



5. A rotary abrading tool comprising a sleeve of flexible abrasive material, a plurality of wires resiliently supporting said sleeve from within, a hub adapted for attachment to a rotary spindle, means for securing an end portion of each of said wires to said hub, and a support extending from said hub and having a disk for supporting said wires internally at a locality adjacent to but spaced from said hub to prevent the localization of strain in said wires adjacent to said hub.

2,076,777

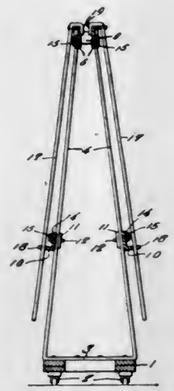
CURTAIN DRIER

Albert Hansen, Menominee, Mich.

Application May 5, 1936, Serial No. 78,049
3 Claims. (Cl. 45—24)

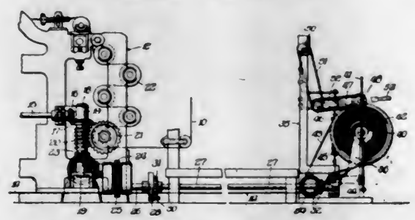
2. As a component part of a curtain drier structure of the class described, a pair of dupli-

cate longitudinally spaced posts, an angle iron having one flange thereof secured to the adjacent ends of said posts, said flange being provided with a multiplicity of impaling pins to facilitate fastening of the adjacent marginal edge of the curtain thereto, the remaining flange being provided with a plurality of keeper notches, a second complemental angle iron adjustably secured at its ends to the intermediate portions of



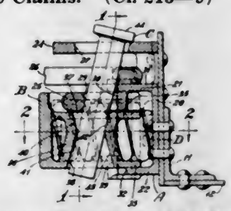
said posts, one flange of said second-named angle iron being provided with impaling pins cooperable with the first-named pins, the remaining flange thereof being arranged in parallelism to the notched flange of the first-named iron and being provided with additional keeper notches, and a curtain stretcher rod selectively placeable in the respective keeper notches, said rod being formed at its upper end with a hook releasably engageable over the first-named angle iron.

2,076,778
MECHANISM FOR WINDING WIRE FABRIC ONTO DRUMS
Noah S. Harter, Waukegan, Ill., assignor to Cyclone Fence Company, Waukegan, Ill., a corporation of Illinois
Application May 26, 1934, Serial No. 727,794
2 Claims. (Cl. 139—291)



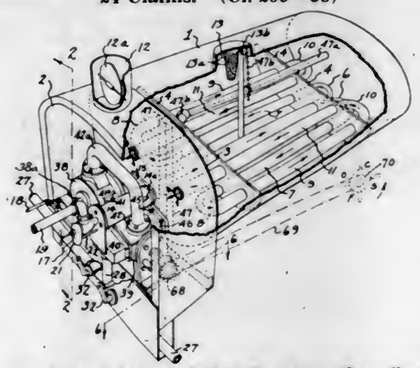
1. The combination with a weaving machine of means located to the rear of said machine for releasably and rotatably supporting a drum, said drum receiving the woven material which is wound on the drum to form a roll of material, connections operatively connecting the weaving machine with the drum including a friction drive to permit slippage of the drum with respect to the machine, a roller having contact with the surface of the roll of material on the drum to maintain the same flat, means pivotally supporting the roller to permit bodily movement of the same whereby the roller can be lifted out of contact with said roll of material, a measuring instrument, and connections from said roller to said measuring instrument for indicating the quantity of material wound on said drum.

2,076,779
DRAFT AND BUFFING GEAR
Stacy B. Haseltine, Glen Ellyn, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 27, 1935, Serial No. 23,655
9 Claims. (Cl. 213—9)



1. In a combined draft and buffing gear for cars, the combination with a support having a vertical back wall; of an outwardly projecting arm on said support; a bearing face on said support outwardly of the end of the car; a buffing head slidingly mounted on said support; means yieldingly resisting inward movement of the buffing head; and an upright lever actuated in draft, said lever being pivoted between its ends on said bearing face of the arm of said support, one end of said lever being pulled outwardly in draft, said lever engaging the buffing head to force the same inwardly when said lever is actuated in draft.

2,076,780
APPARATUS FOR DISTRIBUTING LIQUIDS ON ROADS
Herbert Haupt, Mount Healthy, Ohio, assignor to Littleford Brothers, Cincinnati, Ohio, a copartnership comprising John S. Littleford, Thomas S. Littleford, Roger S. Littleford, John S. Littleford, Jr., and Bernice L. Wadsworth
Application July 19, 1933, Serial No. 681,152
24 Claims. (Cl. 299—35)



19. In apparatus of the character described, a tank, a discharge device, a forcing device having a suction side and a discharge side, and a valve having connections with the tank, the discharge device, and the suction and discharge side of the forcing device, said valve being so constructed that in one position it connects the tank to the suction side of the forcing device and the discharge side of the forcing device to the discharge device, in another position it connects the suction side of the forcing device to the discharge device and the discharge side of the forcing device to the tank, in another position it connects both the discharge and suction side of the forcing device with a closed circulatory system for circulation, and in another position it opens for drainage the connection between the valve and the discharge device and the connections between the valve and the suction and discharge sides of the forcing device.

2,076,781
THERMOPLASTIC COMPOSITIONS AND METHOD OF PREPARING THE SAME
Henry Jacobsen (now by judicial decree to Henry Jenett), Englewood, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application May 18, 1933, Serial No. 671,642
11 Claims. (Cl. 106—40)

1. In the manufacture of thermoplastic compositions, the step of dispersing and grinding rubber and a derivative of cellulose in solid form in a liquid medium which is a non-solvent for the derivative of cellulose and rubber.

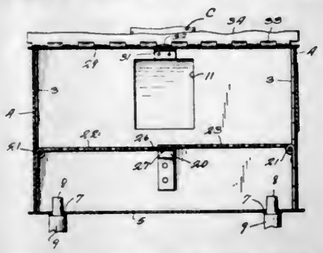
2,076,782
SPECIALIZED JAR OR BOTTLE CLOSURE
Anton G. Jedlicka, Minneapolis, Minn., assignor to Hancock-Nelson Mercantile Company, St. Paul, Minn., a corporation of Minnesota
Application April 22, 1935, Serial No. 17,729
1 Claim. (Cl. 240—52.6)



In combination with a liquid-containing receptacle having a threaded mouth, a closure therefor comprising a lid threaded for engagement with the threaded mouth of the receptacle, having a central aperture bounded by a flange, and an electric light socket engaging said flange and forming an hermetic plug for said aperture, the inner end of said socket exposed to the interior of said lid being of non-metallic substance and imperforate, said socket being provided with a lateral conductor outlet located above the level at which the closure makes juncture with the jar or bottle.

2,076,783
COLLAPSIBLE STOVE
Everett L. Jones, Twila, Ky.
Application February 11, 1936, Serial No. 63,429
7 Claims. (Cl. 126—9)

2. A stove of the class described comprising a front panel, a rear panel, end panels hingedly connected with the ends of the front and rear panels, a bottom panel hingedly connected to the lower marginal portion of one of the first two panels and upon which the front, rear and end panels are imposed when extended for use, the rear panel having a flue opening, grate sections hingedly connected with the end panels at points below the flue opening when the stove is extended for use, means carried by the side panels for detachable engagement by the grate sections to maintain said grate sections in working position, a grill plate hingedly connected to the upper marginal portion of one of the first named panels



and adjustable to a position across the open top of the stove or to a second position overlying the outer face of the panel to which it is hingedly connected, means carried by the second of the first two named panels to engage the grill plate when disposed across the open top of the stove to hold the grill plate in such position and to hold said two first named panels in position, and a stove top plate hingedly connected to the second of the first two named panels for swinging movement across the open top of the stove or to a second position entirely to one side of said open top.

2,076,784
DISPLAY DEVICE
Arthur R. Knipp, Napoleon, Ohio, assignor of one-half to T. W. Hahn, Napoleon, Ohio
Application October 9, 1936, Serial No. 104,769
4 Claims. (Cl. 211—1.6)



1. A display device having a base, an upright pedestal extending upwardly from said base, a member rotatably mounted on the pedestal and having a surface for supporting and displaying an article, an air blower unit supported on the base, a plurality of elongated blades mounted on a surface of the member opposite to the article supporting surface thereof, each blade disposed in closely spaced sequence to its neighbor about the periphery of said second named surface and extending parallel to the axis of the pedestal for a distance but slightly less than the height of the pedestal and forming a mask for the blower unit and a means reactant to the air pressure developed by said blower unit whereby the member may be caused to rotate, and a means independent of the blower unit for limiting the speed of rotation of the member comprising a rotatable part operatively connected to and rotatable with said member, an arm pivotally mounted on said part and adapted to move about its pivotal through an angle dependent on the speed rotation of said part,

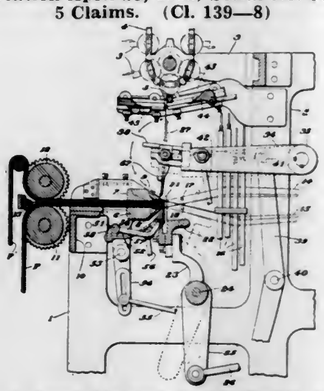
and a brake member normally disposed in spaced relation to the arm and adapted to be frictionally engaged thereby when the arm is moved through an angle greater than a certain predetermined angle to brake the speed of rotation of the rotatable part and the display supporting member.

2,076,785

DOUBLE TUFT PILE FABRIC LOOM

Richard G. Knowland, Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts

Application April 25, 1932, Serial No. 607,285
5 Claims. (Cl. 139—8)



1. In a loom for weaving a double tuft pile fabric, the combination of shedding mechanism for forming an upper and a lower shed, tuft yarn presenters mounted for movement towards and from the weaving point, a rocking arm by which the tuft yarn presenters are supported, and a link connected to the rocking arm and actuated by a going part of the loom to impart to the arm and presenters an amplitude of movement sufficient to carry the tuft yarns bodily through and beyond both sheds, then lift the presenters to lay the tuft yarns across both sheds and then turn one end about a holding weft shot, and comb mechanism and actuating means therefor for turning the other end of the tuft yarns about a holding weft shot in the other shed.

5. In a loom for weaving double pile fabrics, the combination of warp beams, a plurality of heddles movable for manipulating warps from said beams to form sheds in different planes, needles for inserting weft simultaneously in said sheds, supplies of tuft yarns, grippers for drawing said tuft yarns from said supplies, means for severing said tuft yarns from said supplies, means for actuating said grippers to insert the severed lengths of yarn through said warps and turn the previously gripped ends of said yarns around one of said weft shots, a comb movable to engage the other ends of said yarns and loop said ends around another of said weft shots, and means for actuating said comb.

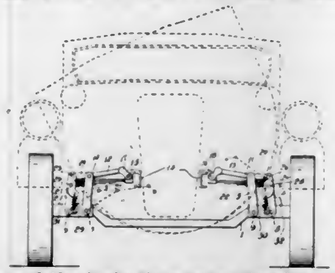
2,076,786

BODY SUSPENSION FOR VEHICLES OF ALL KINDS

Joachim Kolbe, Hamburg, Germany

Application April 7, 1933, Serial No. 664,909
In Germany April 7, 1932
5 Claims. (Cl. 280—112)

1. A device for inclining the body of vehicles of all kinds especially motor vehicles, when negotiating curves, comprising in combination with the body and the under frame of the vehicle, two pairs of link systems, each link system comprising at least one bar, one of these pairs of link systems arranged at the rear end and the other at the front end of the vehicle with a link system of each pair adjacent an end of the vehicle axle, the link systems of each pair pivotally connected a constant distance apart at their lower ends to the under frame and at their upper ends to said body at points closer together than the connecting points of the lower ends of said link



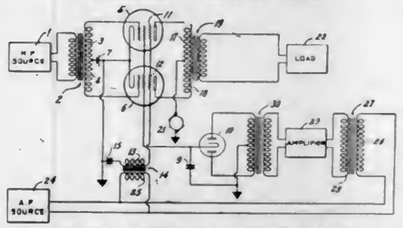
systems and the body thus supported by said link system, and springs adapted to normally maintain the car body in horizontal position, the axes of the pivotal connections between said links and said body and also between said links and said under frame lying in the longitudinal direction of the vehicle so that said link systems oscillate only in the transverse direction of the vehicle against the action of said springs on the body.

2,076,787

VARIABLE CARRIER SYSTEM

Edmund A. Laport, Glen Ridge, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware

Application December 24, 1935, Serial No. 55,978
3 Claims. (Cl. 179—171)



1. A variable carrier transmission system comprising, a pair of electron tubes each including a cathode, a control electrode, a screen electrode, a suppressor electrode and an anode, a balanced input circuit included between the control electrodes and the cathodes of said tubes, means for supplying sustained high frequency oscillations to said input circuit, a modulation circuit included between the suppressor electrodes and the cathodes of said tubes, a source of modulation energy for energizing said modulation circuit, a balanced output circuit included between the anodes of said tubes, a load circuit energized by said output circuit, a double wave rectifier system operatively energized solely by said modulation energy and connected with said screen electrodes for impressing unidirectional potentials upon the same, a smoothing condenser so included in said rectifier system as to reduce the potentials applied to said screen electrodes to syllabic envelope form and a circuit extending between said source of modulation energy and said rectifier system for supplying modulation energy thereto, said high frequency source and

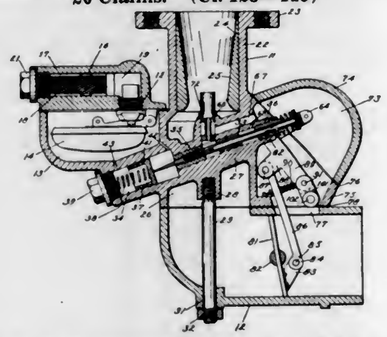
said source of modulation energy operating said tubes to produce modulated high frequency energy with modulation side band frequencies and a carrier frequency, and said rectifier system controlling said tubes through rectified modulation frequency voltages applied to said screen electrodes to vary the output energy level of said carrier frequency in accordance with the envelope form of said modulation energy.

2,076,788

CARBURETING APPARATUS

William E. Leibing, Sausalito, and Robley D. Fageol, Oakland, Calif., assignors to Leibing Automotive Devices, Incorporated, San Francisco, Calif., a corporation of Nevada

Application May 24, 1934, Serial No. 727,370
20 Claims. (Cl. 123—119)



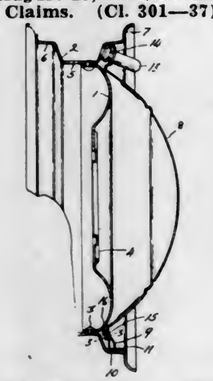
1. In a carbureting device adapted for use in connection with an internal combustion engine, a relatively large pressure reducing element; a relatively small pressure reducing element disposed within and in fixed relation to said first element, one end of said second element being subject to atmospheric pressure at all times, the opposite end of said second element being subject at all times and conditions of engine operation to full engine the full vacuum of the engine under such conditions plus the kinetic energy developed by flows through said first element.

2,076,789

WHEEL

Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application August 13, 1934, Serial No. 739,653
4 Claims. (Cl. 301—37)



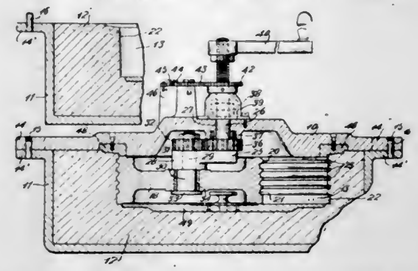
1. The combination with a wheel having a tire carrying rim and a cover, of retaining means on said rim and engageable with said cover at one side of its axis, and retaining means encircling the valve stem of the tire and engageable with said cover at the opposite side of its axis.

2,076,790

METHOD OF MOLDING

Henry B. Myers, Cleveland Heights, Ohio, assignor to The Ferro Machine & Foundry Company, Cleveland, Ohio, a corporation of Ohio

Application July 1, 1935, Serial No. 29,231
1 Claim. (Cl. 22—193)



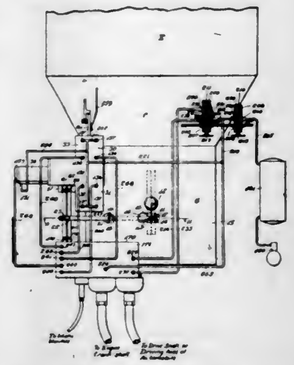
The method of molding which comprises forming a green sand mold having a substantially cylindrical recess therein, and then swinging a ridged roller around in the recess and alternately moving the roller against and away from the wall of the recess during such swinging and thereby causing the ridges of the roller to be pressed into the wall with a gyratory slicking action.

2,076,791

AUTOMATIC GEAR SHIFT FOR AUTOMOBILES

Haviland H. Platt, New York, N. Y., assignor to Wilkening Manufacturing Company, Philadelphia, Pa., a corporation of Delaware

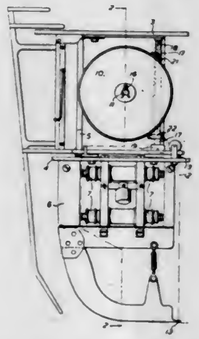
Application May 22, 1933, Serial No. 672,367
17 Claims. (Cl. 74—336.5)



1. In combination with an automobile having a prime mover and a speed change device operatively interposed between said prime mover and the driving wheels of said automobile and having a neutral position, including several sets of gears, some capable of being moved into and out of meshing relation with others, of a set of pneumatically operated gear setting devices corresponding to said movable gears, a source of pneumatic power for operating said gear-setting

devices, and valved control means superimposed upon said source of power including means responsive to the speed of the automobile and the condition of loading of the prime mover for shifting from one set of gears to another, and means responsive to the engine speed for shifting the gears to neutral.

2,076,792
CIRCULAR LOOM
William Pool, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application January 3, 1936, Serial No. 57,391
In Great Britain January 16, 1935
6 Claims. (Cl. 139—13)



1. A circular loom shuttle adapted for propulsion round the loom, comprising means to support a weft spool rotatably in the shuttle, and a freely movable braking member mounted in proximity to the spool and adapted, on deceleration of the shuttle, to move under the influence of inertia and thereupon to apply a braking force to the spool.

2,076,793
PROCESS TO PREVENT STICKING DURING ANNEALING
Lambert A. Salender, Ashland, Ky., assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
No Drawing. Application June 5, 1935, Serial No 25,125
5 Claims. (Cl. 148—4)

4. That process in the production of sheets which comprises the steps of applying to the sheets a solution of soap, drying the sheets so as to leave a thin film of soap thereon, and annealing the said sheets in a pile, the said film serving as a separator during annealing to prevent sticking.

2,076,794
EMULSIFYING AGENTS
Charles E. Sando, Washington, D. C.
No Drawing. Application May 14, 1935, Serial No. 21,384
9 Claims. (Cl. 252—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

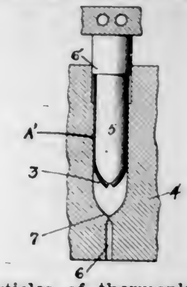
1. An emulsion comprising a continuous oily phase, an aqueous dispersed phase and a sapogenin.

7. An emulsion comprising water, an oily substance and at least one of the substances of the group consisting of sapogenins and their salts.

2,076,795
RESIN
George W. Seymour, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 12, 1933, Serial No. 680,081
3 Claims. (Cl. 260—2)

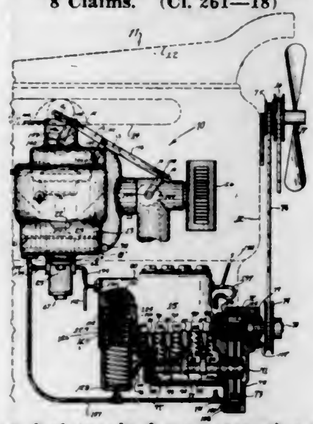
1. Method of preparing a resin comprising polymerizing a sugar by heating the same in the presence of an aqueous solution of a mineral acid under such conditions that a resin soluble in acetone is formed.

2,076,796
PROCESS FOR MOLDING THERMOPLASTIC MATERIALS AND PRODUCT THEREOF
Alfred J. Steinberger, Jamaica, N. Y., Gerald L. Bassett and Andreas Bienenstein, Toledo, Ohio, assignors of one-half to Celluloid Corporation, a corporation of New Jersey, and one-half to The Conklin Pen Company, a corporation of Ohio
Application August 25, 1931, Serial No. 559,251
5 Claims. (Cl. 18—56)



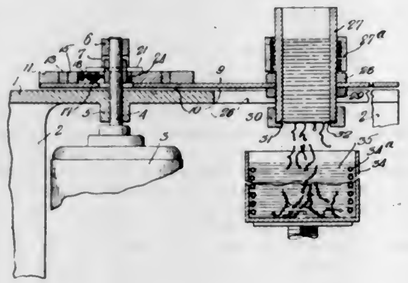
1. Molded articles of thermoplastic material having a closed end formed from a single blank having complementary and abutting edges, said edges being interlocked and joined together by the flowing of the material of the blank along said edges.

2,076,797
FLUID SUPPLY
John Leonard Taylor, Milwaukee, Wis.
Application April 24, 1933, Serial No. 667,631
8 Claims. (Cl. 261—18)



1. In a fuel supply for a gas engine the combination of a mixture inlet pipe, a throttle valve controlling the flow through said pipe, a mixing chamber communicating with said pipe, an air inlet for said chamber, a fuel supply, an atomizer nozzle disposed to form a dispersion of fuel in said chamber, a power driven pump connected with said nozzle and operable to supply fuel from said supply to said nozzle, an auxiliary air inlet positioned to supply air to said mixture inlet pipe independently of said mixing chamber, valve means arranged to regulate the flow of air through said auxiliary air inlet, and connections operative to dependently actuate said throttle and said valve.

2,076,798
METHOD OF AND APPARATUS FOR USE IN PREPARING METALLIC SHREDS
Charles P. Teeple, Cambridge, Mass.
Application August 4, 1933, Serial No. 683,641
9 Claims. (Cl. 83—91)

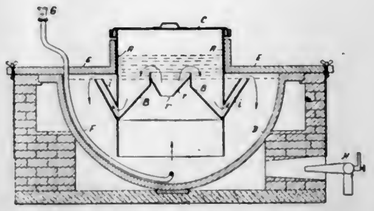


1. Method of producing elongate ductile metallic shreds, which comprises heating a soft bearing metal to a temperature not exceeding 500° F. above its melting point, exuding the molten metal through a plate having openings of a diameter of the order of 0.03 inch, thereby to produce stringy shreds of molten metal, and quenching the exuding metal in a liquid bath while still in the form of stringy shreds and while at a temperature not less than its melting point, thereby to effect the solidification of the metal in the quenching liquid and to produce a mass of discrete metallic shreds of irregular twisted formation.

2,076,799
TREATMENT OF PETROLEUM RESIDUUM
Robert R. Thurston, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 3, 1933, Serial No. 655,084
4 Claims. (Cl. 196—13)

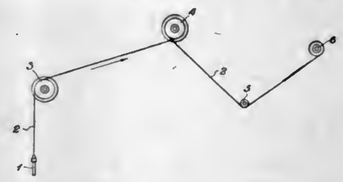
1. The process of producing asphalt from semi-paraffinic type petroleum oils, such as Mid-Continent crudes and the like, which are normally unsuited for the production of superior grades of asphalt, which comprises distilling the oil to remove fractions including lubricating oils and to produce a short residuum, treating the resulting short residuum with a selective solvent of the type of furfural for substantially separating the residuum into dissolved and undissolved fractions, separating the two fractions so produced, removing the solvent therefrom and reducing the soluble fraction to a desired melting point and penetration in the production of a high-grade substantially stainless asphalt.

2,076,800
APPARATUS FOR REFINING LEAD AND MORE PARTICULARLY FOR REMOVING ARSENIC, ANTIMONY, TIN, AND ZINC
Hermann Thümmel, Buenos Aires, Argentina
Application August 28, 1935, Serial No. 38,322
In Germany August 17, 1934
4 Claims. (Cl. 266—34)



1. Apparatus for refining lead beneath a surface layer of refining salts by means of steam comprising a refining pan, means for heating said pan, means for introducing steam into said pan centrally adjacent the bottom thereof, a container open top and bottom disposed above said steam outlet and adapted to be partially immersed in the metal in said pan, an upwardly extending conical insertion open at the top, located within and secured to the wall of said container the compartment above said insertion receiving the refining salts and communicating with the metal outside said container.

2,076,801
PROCESS FOR PRODUCING ARTIFICIAL SILK
Gilbert I. Thurmond, Asheville, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application November 24, 1933, Serial No. 699,629
12 Claims. (Cl. 18—54)



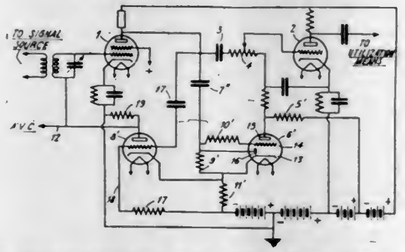
1. The process of producing artificial silk thread and the like of substantially uniform denier and having improved dyeing properties by gradually increasing the elongation of the thread as it is formed into a package which comprises the steps of extruding a cellulosic solution to form a thread, conducting the thread as formed to a bobbin and giving the thread different linear speeds at pre-determined spaced points in its path of travel while directly propelling the same at one or more points in advance of the bobbin to effect a stretching of the thread, and changing the difference in the linear speeds of the thread at the said spaced points by gradually changing the speed of propulsion at the one or more propulsion points, whereby objectionable characteristics resulting from contraction are avoided.

2,076,802
METHOD OF SPINNING AND WINDING ARTIFICIAL SILK FILAMENTS
Hendrik Gerardus van der Waals, Arnhem, Netherlands, assignor to American Enka Corporation, a corporation of Delaware
Application November 24, 1933, Serial No. 699,631
In Germany October 13, 1933
3 Claims. (Cl. 18—54)



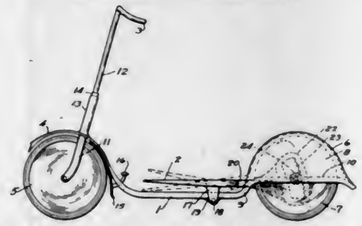
1. The process of producing artificial silk thread and the like of substantially uniform denier and having improved dyeing properties which comprises extruding a cellulosic solution and passing the same through a setting bath, withdrawing the thus formed thread from the setting bath by passing the same around a godet and thereby propelling the thread without gliding friction, passing the thread in its path of travel to a bobbin over another godet operating at a peripheral speed greater than the linear speed of the thread at that point so that a gliding contact occurs between the thread and the second godet, collecting the thread at the bobbin at a greater linear speed than the peripheral speed of the first mentioned godet but at a lesser speed than the peripheral speed of the second mentioned godet, and gradually decreasing the speed of the first mentioned godet during the winding of the thread, whereby objectionable characteristics resulting from contraction are avoided.

2,076,803
NOISE SUPPRESSOR CIRCUIT
Jacob van Slooten, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application June 23, 1934, Serial No. 732,047
In the Netherlands August 30, 1933
3 Claims. (Cl. 250—20)



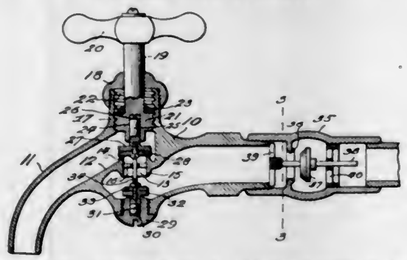
1. In combination with a signal amplifier and a demodulator of the plate rectification type, a plate rectification detector including a resistor in its space current path, an amplifier gain control connection from the plate side of the resistor to a gain control electrode of the amplifier, means for impressing signal energy upon said detector, a diode rectification circuit including an impedance, means for impressing signal energy upon the diode electrodes, an electron discharge device circuit having its input electrodes connected to points on said impedance such that space current flow of the device is prevented when signals are impressed on the diode circuit, a second resistor in the space current path of the said device, and the input electrodes of the demodulator being connected to points on the last resistor such that demodulation is prevented when the space current of said device flows and means responsive to plate current variation of said discharge device for regulating the space current flow of said detector.

2,076,804
PROPEL SCOOTER
Ove K. Winding, New York, N. Y.
Application April 1, 1935, Serial No. 14,133
2 Claims. (Cl. 208—37)



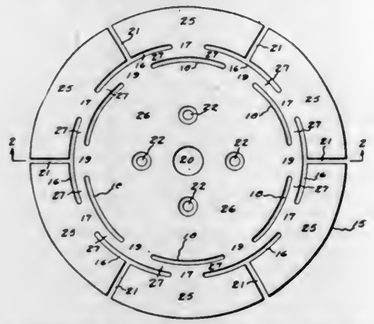
1. A scooter of the type having two aligned wheels, one at the front and one at the back, an underslung platform suspended below the centers of the wheels, and a handle pivotally attached to the forward end of the platform and in which the front wheel is mounted; a treadle extending across the face of the platform whereby it will accommodate both feet of the operator, means pivotally mounting said treadle on said platform and spacing it a short distance therefrom, said means comprising members extending downward at the sides of the platform and pivoted to the platform, said pivot point being located adjacent the rear thereof, a rack, a toothed wheel, a freewheeling clutch on the rear wheel of said scooter upon which said toothed wheel is mounted, said toothed wheel adapted to drive the rear wheel of the scooter, and adapted to be acted upon by said rack, and means operating said rack by said treadle in which the operating means extending backward from the treadle does not extend above the surface thereof, between the pedal and rear wheel.

2,076,805
FAUCET
Albert Wine, Glendale, Calif.
Application August 14, 1935, Serial No. 36,071
1 Claim. (Cl. 277—27)



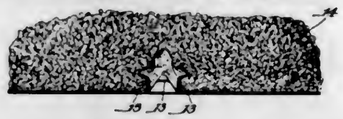
A faucet, comprising a body having a fluid flow passageway, a partition extending across said passageway, which partition is provided with an opening, seats formed on said partition above and below said opening, a manually operable head screw-seated in the faucet body above the opening in said partition, said head being provided in its lower portion with an axial bore, a stem mounted to rotate freely in said bore, the upper end of said stem terminating in a pointed bearing that engages the bottom of said axial bore, a valve carried by the lower end of said stem and adapted to engage the upper one of the seats on said partition, a plug removably seated in the faucet body below the opening in the partition therein, said plug being provided in its upper portion with an axial recess, a stem loosely mounted in said recess, a valve carried by the upper end of said stem, which valve is adapted to engage the seat on the under side of said partition, a separately formed axially disposed rod screw seated in said last-mentioned valve and projecting upwardly through the opening in the partition and adapted to engage the under side of the valve that is positioned above said partition, a lock nut mounted on the threaded portion of said rod and bearing on top of the valve in which said rod is seated and a bearing for said rod formed within the opening in said partition.

2,076,806
ABRASIVE WHEEL AND MOUNTING
Hugo W. H. Beth, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application January 4, 1936, Serial No. 57,621
13 Claims. (Cl. 51—209)



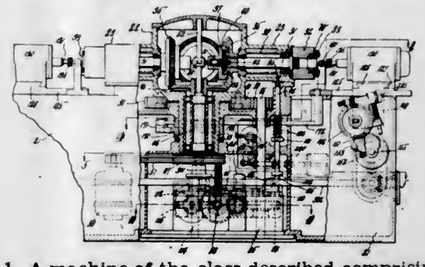
1. A combination grinding wheel and backing plate comprising an abrasive annulus, a metal plate secured thereto, said plate having arcuate slots therein, and a cement joining the annulus to the plate.

2,076,807
SOUND ABSORBING CONSTRUCTION
Charles F. Burgess, Bokeelia, Fla., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis., a corporation of Delaware
Application December 19, 1930, Serial No. 503,543
13 Claims. (Cl. 154—44)



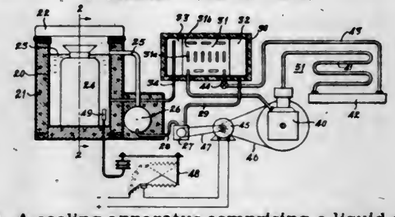
1. A sound-absorbing construction comprising a self sustaining sound-absorbing material faced with perforated metal foil, the tangs resulting from the perforating of said foil projecting into said material.

2,076,808
GRINDING MACHINE
William L. Bryant, deceased, late of Springfield, Vt., by Blanche Brown Bryant, administratrix, Springfield, Vt., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application November 2, 1932, Serial No. 640,846
16 Claims. (Cl. 51—53)



1. A machine of the class described comprising a bed, a turret rotatable thereon, a set of rotatable work-holding members with axes of rotation radial to the axis of rotation of the turret, a set of rotatable tool members with axes of rotation radial to the axis of rotation of the turret and respectively aligned with certain of the work-holding members, one said set of members being mounted in the turret, the other said set being arranged around the turret.

2,076,809
REFRIGERATING APPARATUS
Robert R. Candor, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 30, 1933, Serial No. 695,767
6 Claims. (Cl. 62—101)

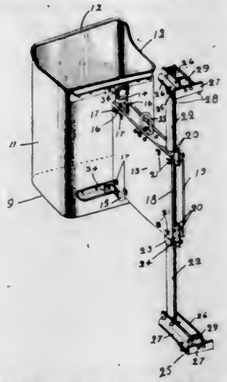


2. A cooling apparatus comprising a liquid container adapted to receive articles to be cooled, a cabinet separate from the liquid container, said cabinet having an overflow receiving chamber for receiving the excess of liquid displaced when articles to be cooled are placed in the liquid container, said chamber having sufficient capacity to receive the maximum amount of liquid displaced by the maximum number of articles which can be accommodated in the liquid container, said cabinet also containing cooling means comprising refrigerant liquefying and evaporating means connected in a closed system, said cabinet also containing means for withdrawing liquid from the overflow receiving chamber, circulating the liquid in heat exchange relation with the evaporating means and returning the liquid to the liquid container.

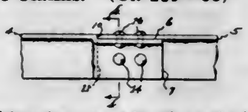
2,076,810
SAFETY CAGE FOR WORKMEN
Charles L. Deckard, Tulsa, Okla.
Application November 16, 1935, Serial No. 50,175
6 Claims. (Cl. 304—14)

1. A safety cage for a workman, including a cage proper, a bracket, a hinge connection be-

tween said cage and bracket, a hinge mounting for said bracket, and with the axis of said hinge connection and said hinge mounting substantially parallel to each other, means for securely holding said bracket on said mounting at any desired place thruout the arc in which it may be free to pivot, and means for securely holding said cage at any desired angle with relation to said bracket.

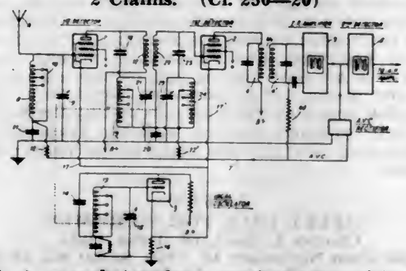


2,076,811
STRUCTURAL JOINT FOR ANGLE BARS
Edward Ehlers, Montclair, N. J.
Application January 16, 1935, Serial No. 2,029
4 Claims. (Cl. 189—36)



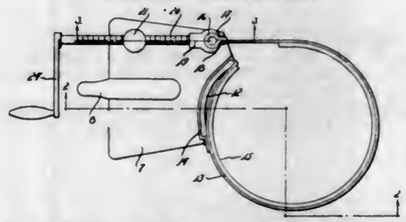
3. In combination, a pair of angle bars and a structural joint for connecting said angle bars in end to end relation, one of said angle bars being slitted for a portion of its length at an end portion thereof at the juncture of its flanges, the two projecting flange end portions thus formed being inwardly offset to provide connecting tongues for underlying the flanges of the second angle bar, and fastening means for securing said connecting tongues to said second angle bar.

2,076,812
TUNING SELECTIVITY CONTROL CIRCUIT
Paul O. Farnham, Boonton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 25, 1935, Serial No. 23,445
2 Claims. (Cl. 250—20)



1. A superheterodyne receiver comprising a pair of first detector tubes arranged in cascade, a local oscillator connected to the pair of first detector tubes to impress the locally produced oscillations thereupon, a signal input circuit connected between the input electrodes of the prior one of said first detector tubes, a network tuned to the operating intermediate frequency in the output circuit of the following of said first detector tubes, and a network coupling the output circuit of the prior detector tube to the input circuit of the following detector tube, said last named network comprising at least one circuit tuned to the intermediate frequency and one circuit tuned to the frequency of the signal input circuit of said prior detector tube, the constants of the circuits of said coupling network being so chosen that at resonance the signal and intermediate frequency inputs to the following one of said detector tubes are of such phase as to aid in producing the intermediate frequency energy in the output of said following detector tube.

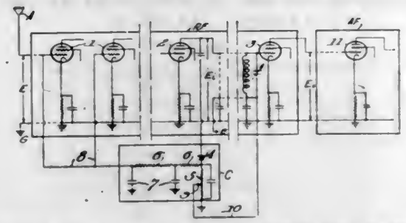
2,076,813
JAR HOLDER
Louis Fiedler, Detroit, Mich.
Application September 9, 1935, Serial No. 39,771
1 Claim. (Cl. 81—3.2)



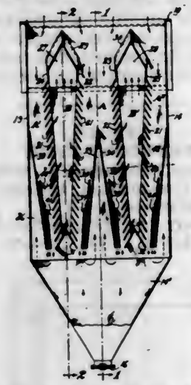
A jar holder of the class described, comprising: a plate; an elongated arcuate anchor post mounted on and projected upwardly from said plate; a clamping band, one end of said band being doubled upon itself to provide a loop for looping over said anchor post and anchoring, one end of said plate having an opening formed therein; a nut-forming member having a threaded opening formed therethrough; a reduced portion on said nut forming member projecting through said opening in said plate and upset for mounting said nut forming member to said plate in swivel relation thereto; a screw threaded through said nut forming member; a fitting swivelly mounted on one end of said screw; and a pair of spaced arcuate arms on said fitting adapted for embracing an eyelet formed on the free end of said band and detachably connecting to the free end of said band.

2,076,814
AUTOMATIC GAIN CONTROL
Christopher J. Franks, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 11, 1933, Serial No. 679,947
2 Claims. (Cl. 250—20)

1. In a transmission system, the combination with a plurality of tubes and a circuit network connecting said tubes in cascade for amplification of radio frequencies, means initially biasing said tubes to establish the gain thereof in the absence of received signals, and a rectifier having an input circuit effectively connected across points of said network subjected to a radio voltage developed intermediate the input and output terminals of said amplifier, of means for impressing upon a tube preceding and a tube succeeding said intermediate points of said network direct current bias potentials proportional to the direct current potential developed by said rectifier, wherein the initial bias on the tube succeeding said network points is less than the value corresponding to maximum amplification, whereby the gain of said tube increases and thereafter decreases as the magnitude of the direct current bias potential impressed on said tube increases towards its maximum value.



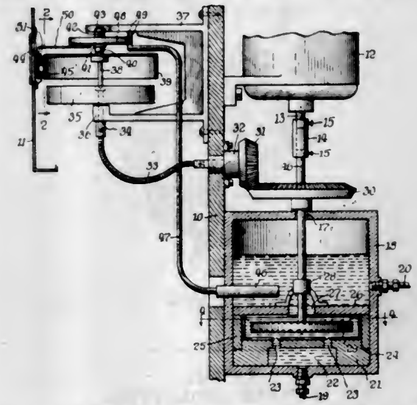
2,076,815
SEPARATING SYSTEM AND METHOD
John Edwin Fulweiler, New York, N. Y.
Application February 7, 1934, Serial No. 710,056
25 Claims. (Cl. 183—75)



19. Apparatus for separating solids from gases carrying the same, comprising a casing having an inlet and an outlet, means causing the gases introduced into the casing to flow therethrough, a hopper at the bottom of the casing in which the solids separated from the carrying gas are collected, and spaced tiers of baffles in the casing bounding oppositely disposed portions of an inlet flow path from the inlet to the hopper in a vertically downward direction, said baffles being arranged and disposed so that the gases in flowing from the inlet path and between the baffles to the outlet make an abrupt change in their direction of flow from a downward to an upward direction.

2,076,816
APPARATUS FOR DETERMINING THE CONSISTENCY OF LIQUIDS
Francis M. Hess, Chicago, Ill.
Application October 7, 1933, Serial No. 692,591
5 Claims. (Cl. 265—11)

1. In a viscosity testing apparatus for liquids, the combination of a liquid container, a liquid agitating member mounted to move in a body of liquid in said container, power actuated means for driving said agitating member under a constant force, an indicator of viscosity variations comprising a rotatable dial calibrated in degrees of viscosity, a fixed pointer associated therewith, and driving means for said dial geared to said power actuated means; and an indicator of temperature variations comprising a movable pointer visually associated with said dial in such a manner that said pointer forms a datum for said dial, and means actuated by changes of temperature in said body of liquid for moving said movable pointer in the same direction as said dial; said indicators being so coordinated in operation that said dial and movable pointer will remain relatively stationary so long as fluidity changes in the body of liquid are due solely to temperature changes thereof.



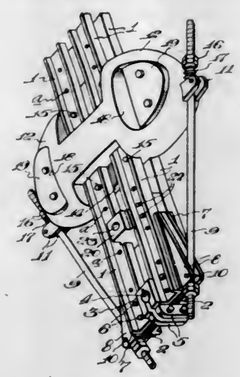
2,076,817
CELLULOSE PRODUCT
Adam Hoche, Brooklyn, N. Y., assignor to Cellulose Research, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application February 8, 1935, Serial No. 5,585
4 Claims. (Cl. 260—10)

1. A process of forming a cellulose product which consists in treating a cellulose fibre containing mass with dilute nitric acid and until brown fumes at first produced cease to come off, separating the liquids from the solids, washing with water, treating with one to two percent by weight of an alkaline hydroxide in water solution, then after mechanically attenuating the resulting product treating with a dilute solution of sulphuric acid and drying, whereby a water white transparent solid material, non-absorptive of water, oil, and grease results.

2,076,818
COUNTERBALANCED CRANK ARM
George T. Humphrey, Dallas, Tex.
Application October 5, 1936, Serial No. 104,073
6 Claims. (Cl. 74—591)

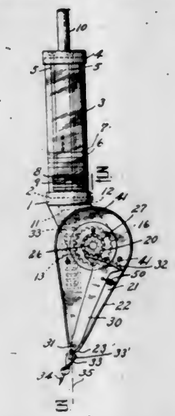
1. A counterbalanced crank for well pumping units, including an inherently flexible crank element composed of a series of steel beams in parallel relationship having a fixed pivotal bearing at one end, a counterweight adjustable along the length of said crank element, adjustable means resiliently restraining said counterweight against displacement by centrifugal force during operation of said crank, a crank pin block disposed be-

tween said counterweight and pivotal bearing for adjustment longitudinally of said crank element



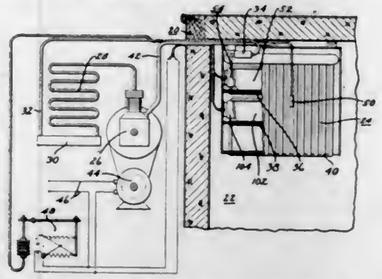
and interchangeable means for loading said counterweight.

2,076,819
CENTER INDICATOR
Ernest R. Jones, Detroit, Mich.
Application May 7, 1936, Serial No. 78,442
4 Claims. (Cl. 33—172)



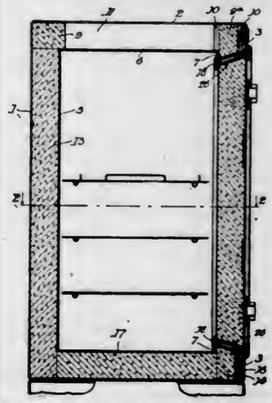
1. A center indicator comprising a body adapted to be mounted in a rotating part of a machine tool, a lever pivotally mounted in the body and having a pointed end nearer the point of pivot than the opposite end, an indicator movable relative to the body, a gear train, a rack on the long end of the pivoted lever operatively associated with the gear train whereby oscillation of the lever oscillates said gear train, the gear train being connected with the indicator whereby the indicator is moved to and fro, said body having a graduation relative to which the indicator is movable, means for disassociating the gear train and indicator to permit adjustment of the indicator relative to the graduation, rotation of the body when the pointed end of the lever is stationary at a point eccentric to the axis of rotation causing movement of the indicator member and when the point is held in the extended axis of rotation the indicator is held in stationary position relative to the graduation.

2,076,820
REFRIGERATING APPARATUS
Jesse G. King, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 28, 1935, Serial No. 8,611
12 Claims. (Cl. 62—4)



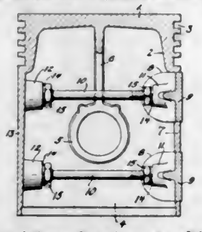
1. Refrigerating apparatus including a liquefying means and an evaporating means, an ice tray in heat exchange relation with the evaporating means, an electric circuit for controlling the operation of the liquefying means, said ice tray having electric contact means adapted to engage a portion of said circuit for closing the electric circuit and means responsive to the temperature of the ice tray for opening the electric circuit, and a second temperature responsive means independent of said first mentioned temperature responsive means for opening the electric circuit.

2,076,821
REFRIGERATOR
Carl E. L. Lipman, Chicago, Ill., assignor to Lipman Patents Corporation, Chicago, Ill., a corporation of Delaware
Application July 18, 1932, Serial No. 623,078
4 Claims. (Cl. 220—9)



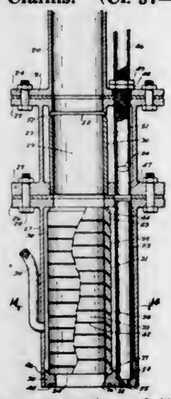
1. A refrigerator having spaced inner and outer metallic walls provided with a door opening, a door in said opening having spaced inner and outer metallic walls, a pair of non-heat conducting elastic breaker and sealing strips disposed in inter-engaging locking relation with the spaced walls of the cabinet and door, respectively, and covering the space between the respective inner and outer walls, said cabinet and door strips having opposed abutting surfaces adapted when the door is in closed position to cooperate in forming a seal between the cabinet and door.

2,076,822
PISTON FOR INTERNAL COMBUSTION MOTORS
Elmer C. Long, Grosse Pointe Park, Mich.
Application September 12, 1934, Serial No. 743,680
12 Claims. (Cl. 309—13)



1. A trunk piston having a skirt, a cylinder bearing block inserted in an opening formed in the skirt intermediate of its length, and a rigid member having a relatively low coefficient of thermal expansion connected at one end to the block and at its other end to the opposite side of the skirt.

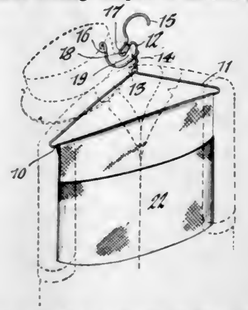
2,076,823
SIPHON DREDGING PUMP
Timothy Newell, Yakima, Wash.
Application November 23, 1935, Serial No. 51,339
3 Claims. (Cl. 37—62)



1. A dredging apparatus of the type comprising a vertical pipe of relatively large diameter with injecting means at the lower end in which the injecting means does not obstruct the interior area, providing an unobstructed passage substantially of the same area as the inside of the pipe, characterized by a plurality of rings with upwardly inclined complementary surfaces spaced slightly apart, a chamber surrounding said rings; an air connection to said chamber, a circumferential slot also having upwardly inclined complementary surfaces positioned above said rings, and positioned in the wall of said pipe, a water chamber surrounding said pipe and communicating with said slot and water supply means connected to said water chamber.

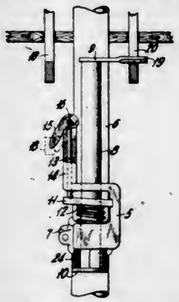
2,076,824
GARMENT HANGER
Edward F. Ott, Bowmansville, N. Y.
Application May 9, 1934, Serial No. 724,660
3 Claims. (Cl. 223—88)

1. A garment hanger, comprising a body member of wire formed in a flat plane and having a twisted shank and arms extending outwardly therefrom forming a coat-hanger, one of the strands thereof extending partially over and disposed in the plane of one of said body-arms and bent to provide a hat-engaging hook, and the other strand being disposed above and in a like



plane with the first-named strand and having a lower portion extending partially over the latter and bent to form a recess opening toward the hook to receive the hat-brim and an upper portion bent in the plane of the body member to provide a suspension hook, one of the body arms forming a support for the bottom of a hat.

2,076,825
LOCKING DEVICE
Eric J. Pilblad, Rockville Centre, and Charles C. Strange, Port Richmond, Staten Island, N. Y.
Application August 29, 1933, Serial No. 687,326
29 Claims. (Cl. 192—13)

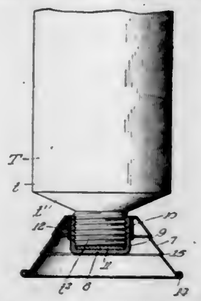


1. In apparatus of the class described, a brake pedal, a clutch pedal, means for holding said brake pedal in depressed position, and means adapted to be engaged by the upper surface of the clutch pedal when the same is released to render said holding means operative to hold the brake pedal at depressed position and to release the holding means on a second actuation of the clutch pedal.

2,076,826
COLLAPSIBLE TUBE CLOSURE
Philip Reinsberg, Chicago, Ill.
Application December 11, 1936, Serial No. 115,296
11 Claims. (Cl. 221—60)

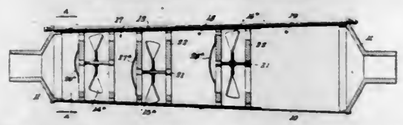
1. As a new article of manufacture, a closure adapted for use with a paste dispensing collapsible tube having an externally threaded discharge nipple, and comprising a cup-shaped cap part having an internally threaded socket for receiving and closing the discharge nipple of the tube, and a separately formed skirt around the cap part adapted to form a pedestal for supporting

the tube in an inverted upstanding position and having an inturned flange at the central portion



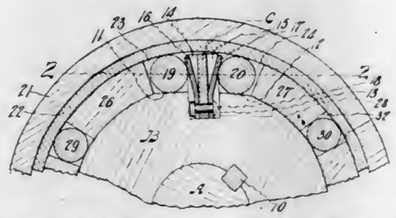
thereof fitting tightly around the cap part and serving to secure the latter in fixed relation with respect to the skirt.

2,076,827
EXHAUST MUFFLER
Ruth Warren Ross, New York, N. Y.
Application April 21, 1936, Serial No. 75,536
4 Claims. (Cl. 181—64)



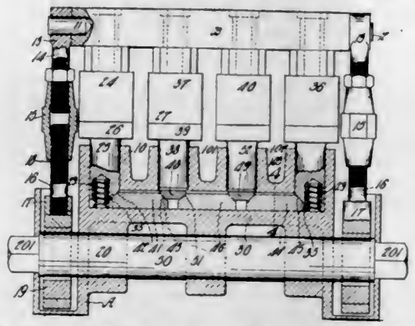
3. A muffler comprising a casing, said casing being increasingly tapered from its intake end towards its exhaust end, one or more fans rotatably mounted in said casing, and one or more deflectors axially arranged in front of said fan or fans, at least one of said fans and deflectors being non-axial with said other fan or fans.

2,076,828
LOCK FOR CLAMPS AND THE LIKE
Guy E. Swartz, Detroit, Mich.
Application March 4, 1932, Serial No. 596,888
14 Claims. (Cl. 192—8)



1. In a locking device for rotatable elements, a casing, a driven member in and rotatable relative to said casing, an individual block partly inserted into said driven member and laterally movable therein and having a part thereof extending radially beyond the periphery of said driven member, a flat spring secured to each side of said block, a locking roller adjacent to each of said springs and each normally wedged oppositely between said driven member and the bore of said casing by said springs, movable driving prongs each adapted, upon movement thereof, to engage one of said rollers to move the same out of its wedging position and into contact on one of said springs to move said block and rotate said driven member and to wedge the other one of said rollers more tightly when said driven member encounters a resistance to rotation thereof above the normal resistance of the device to lock said driven member against self reversing, and said springs wedging both of said rollers upon stoppage of movement of said prongs.

2,076,829
PLURALITY CLAMPING MEANS
Guy E. Swartz, Detroit, Mich.
Application January 21, 1935, Serial No. 2,741
1 Claim. (Cl. 77—62)

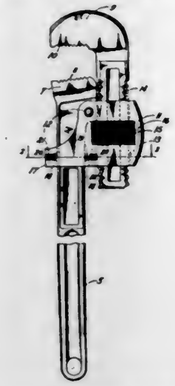


A compensating means for simultaneously clamping a plurality of work pieces by one clamping movement, comprising, a plurality of individually movable work receiving elements guided to move only vertically, shoes movable only laterally, shoes movable laterally and vertically superimposed over the first mentioned shoes, co-operating bevel faces between the contacting ones of said shoes, said superimposed shoes being in contact on the ends of the middle ones of said work receiving elements, the end ones of said work receiving elements being beveled to co-operate with the bevels on the end ones of the first mentioned shoes, a movable work clamping plate for engaging all of work pieces on said work receiving elements and operating the compensating means for simultaneous clamping of all of the work pieces, a spring normally tending to move the end ones of said work receiving elements upwardly, and a stop means for limiting the up and down movement of said end ones of the work receiving elements.

2,076,830
PIPE WRENCH
William O. Thewes, Cleveland, Ohio, assignor to The Ridge Tool Company, North Ridgeville, Ohio, a corporation of Ohio
Original application October 26, 1934, Serial No. 750,179. Divided and this application February 5, 1936, Serial No. 62,496
3 Claims. (Cl. 81—105)

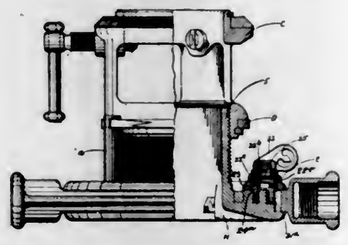
1. A pipe wrench comprising a handle and a fixed jaw portion formed integrally therewith and having a fixed jaw thereon, a movable jaw having a shank, a housing for the movable jaw having a front portion through which the fixed jaw portion extends and a rear portion through which the shank of the movable jaw extends, said housing being pivotally connected to the fixed jaw portion and being formed with registering holes in the opposed walls of its front portion which serve as spring seats, and a pair of substantially cone-shaped coil springs having the reduced ends thereof seated in said holes and their opposite

ends bearing against opposed sides of the said fixed jaw portion and serving to maintain the



jaw housing and the movable jaw carried thereby in a floating position with respect to the fixed jaw.

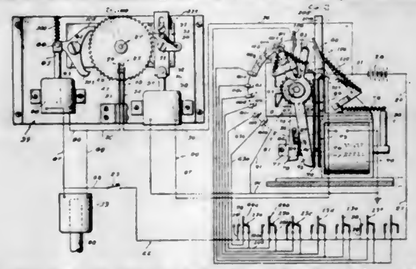
2,076,831
THREADING DIE
William O. Thewes, North Ridgeville, Ohio, assignor to The Ridge Tool Company, North Ridgeville, Ohio, a corporation of Ohio
Application January 2, 1935, Serial No. 4
4 Claims. (Cl. 10—120.5)



1. In a thread cutting tool, a chaser-carrier plate formed with a series of radial chaser slots, chasers mounted for radial movement in said slots, a work-holder operatively connected to said carrier plate, cam posts projecting into said slots for backing said chasers, and a cam post plate connected to said work-holder, said cam posts having their ends anchored for a radial floating action in said plate and said plate having an annular floating connection with said work-holder.

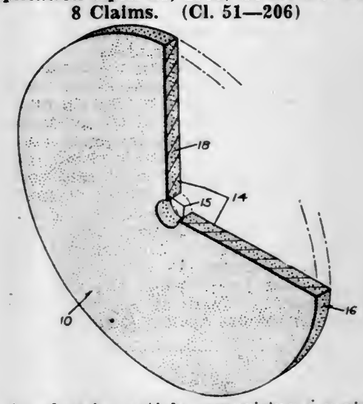
2,076,832
FREE PLAY DEVICE
Joseph H. Tigerman, Chicago, Ill., assignor to J. H. Tigerman, Inc., Chicago, Ill., a corporation of Illinois
Application June 12, 1936, Serial No. 84,795
8 Claims. (Cl. 273—121)

8. A free play device for an amusement apparatus of the type which includes a cabinet or casing having a surface over which a ball may be played, said free play device comprising a free play indicator movably mounted in or adjacent to the said cabinet, and control means actuated by a ball in the said cabinet for moving the said free play indicator in a direction away from its initial or zero position, said control means including a device for moving the said free play indicator



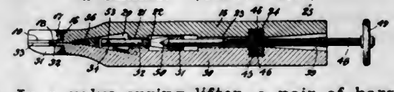
a plurality of steps away from its initial or zero position at each operation thereof.

2,076,833
ABRASIVE ARTICLE
Duane E. Webster, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 13, 1935, Serial No. 16,212
8 Claims. (Cl. 51—206)



1. An abrasive article comprising a main body portion of an organic bond and abrasive grains having a grinding face and a rough side face, the latter being composed solely of a surface layer of abrasive grains partially imbedded within said bond and having different abrading characteristics from the abrasive grains within the body portion and providing sharp abrasive teeth projecting from the sides of the article.

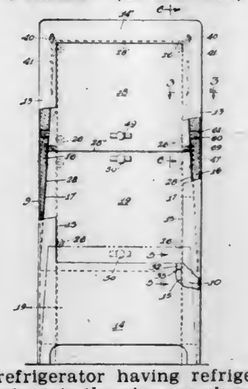
2,076,834
VALVE SPRING RAISING DEVICE
Jakub Wszołek, Barnesboro, Pa.
Application April 20, 1936, Serial No. 75,373
2 Claims. (Cl. 29—86.3)



1. In a valve spring lifter, a pair of bars arranged in close proximity and having a block pivotally connecting therebetween near their outer ends, spring receiving seats formed in the spring engaging front ends of each bar, tension springs to draw said bars towards each other, said bars having bevelled outer ends and substantially triangular recesses near said seats in their adjacent surfaces, a cam operable in said

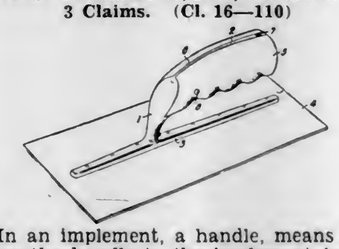
recesses, a yoke having a part engaging said cam, and means to draw said yoke rearwardly thereby to spread said seats.

2,076,835
REFRIGERATOR
George H. Young, Oak Park, Ill.
Application December 5, 1934, Serial No. 756,009
7 Claims. (Cl. 312—189)



1. In a refrigerator having refrigerating and food compartments therein, one above the other, each of said compartments having an open side, jambs along the side edges of the open sides of said compartments, vertically moveable doors and said jambs each adapted when in closing position to close the open side of one of said compartments, tracks on said jambs, means on said doors engageable in said tracks to guide said doors in the vertical movement thereof, said jambs including tapered portions, and tapered portions on said doors adapted to engage the tapered portions on said jambs when the doors are in closing position to effectively seal the open sides of said compartments against leakage.

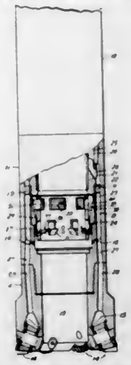
2,076,836
IMPLEMENT HANDLE
Louis I. Goldblatt, Kansas City, Mo.
Application November 30, 1936, Serial No. 113,295
3 Claims. (Cl. 16—110)



1. In an implement, a handle, means for attaching the handle to the implement including a fin extending into the handle, said fin being of substantially trapezoidal cross-section.

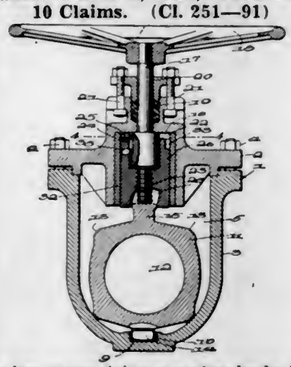
2,076,837
CORE CATCHER
George F. Grimmelsman, Los Angeles, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application February 15, 1936, Serial No. 64,068
17 Claims. (Cl. 255—72)

1. In a core drill having an inclined internal surface, the combination of, a body in the drill, and a member carried by the body to swing inwardly about an axis substantially parallel with



the longitudinal axis of the drill through cooperation with the inclined surface.

2,076,838
VALVE
Alfred G. Heggem, Tulsa, Okla., assignor of one-third to Ed D. Ligon and one-third to William O. Ligon, both of Tulsa, Okla.
Application March 2, 1935, Serial No. 9,115
10 Claims. (Cl. 251—91)

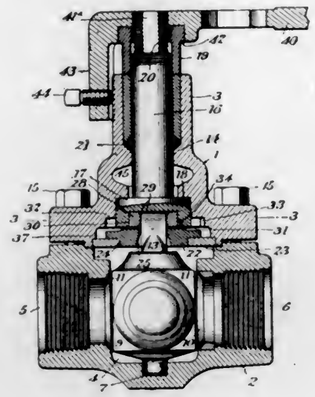


1. A valve comprising a valve body having an inlet and an outlet opening and a valve chamber communicating with said openings; a valve core journalled within said chamber for rotary and bodily tilting movements therein; a combined rotatable and axially movable member engaging said valve core; and single motion means for rotating said member and moving the same axially to effect rotation and tilting of said valve core bodily within said valve chamber.

2,076,839
VALVE
Alfred G. Heggem, Tulsa, Okla., assignor of one-third to Ed D. Ligon and one-third to William O. Ligon, both of Tulsa, Okla.
Application November 7, 1935, Serial No. 48,737
9 Claims. (Cl. 251—91)

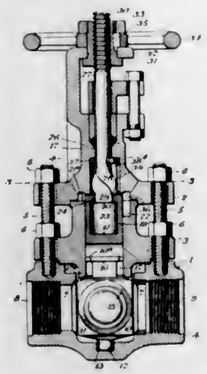
1. A valve comprising a valve body having inlet and outlet passages, a valve core mounted within the valve body for rotative and tilting movements, a valve stem operatively connected to said valve core and provided with spaced guide faces, a valve stem guide mounted for rotation within the valve body and having guide faces

engaging the guide faces of said stem, means for rotating the valve stem guide and means for



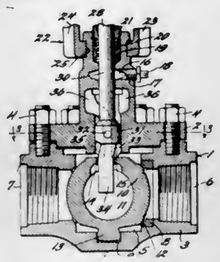
shifting said valve stem with respect to said guide transversely of the axis of rotation thereof to tilt the valve core.

2,076,840
VALVE
Alfred G. Heggem, Tulsa, Okla., assignor of one-third to Ed D. Ligon and one-third to William O. Ligon, both of Tulsa, Okla.
Application November 7, 1935, Serial No. 48,738
15 Claims. (Cl. 251—91)



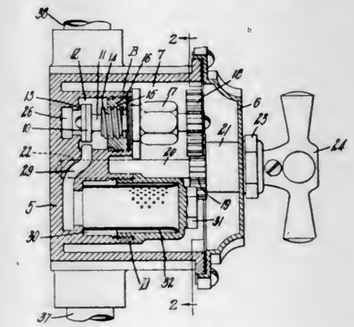
1. In a valve including a valve body having a chamber provided with inlet and outlet ports, a valve core member mounted for rotative and non-rotative movements within the chamber, means for moving said valve core member comprising a valve operating member mounted for reciprocation with respect to said valve core member in a direction parallel to the axis of rotation of said valve core member, motion transmitting means connecting the valve operating member and said valve core member, said motion transmitting means including means for converting the reciprocatory movement of the valve operating member into rotary and non-rotary movements of the valve core member, and means for reciprocating the valve operating member with respect to said valve core member in a direction parallel to the axis of rotation of said valve core member.

2,076,841
VALVE
Alfred G. Heggem, Tulsa, Okla., assignor of one-third to Ed D. Ligon and one-third to William O. Ligon, both of Tulsa, Okla.
Application December 19, 1936, Serial No. 116,798
8 Claims. (Cl. 251—91)



1. A valve comprising a valve body having an inlet and an outlet opening and a valve chamber communicating with said openings; a valve core journaled within said chamber for rotary and tilting movements therein, said valve core having a non-circular opening through a wall thereof; a valve stem having a non-circular section slidably engaging the walls defining the opening in the valve core, said non-circular section including a straight walled portion and a portion having opposed walls inclined with respect to the axis of rotation of the valve core; and means for rotating and reciprocating the valve stem, rotation of the valve stem causing a corresponding rotation of the valve core, and the sliding engagement between the inclined portion of said valve stem and the walls defining the opening in said valve core causing the valve core to tilt about an axis transverse to the axis of rotation of said valve core.

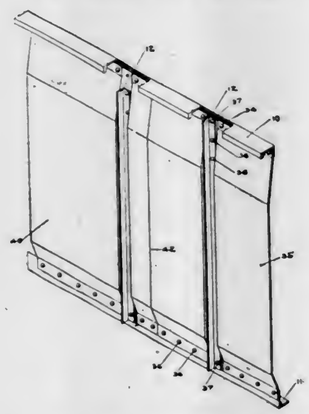
2,076,842
FLUID CONTROL DEVICE
Francis L. Henning, Charlestown, Mass., assignor of one-half to Jacob A. Stryker, Arlington, Mass.
Application May 2, 1934, Serial No. 723,532
2 Claims. (Cl. 210—166)



1. A fluid control device comprising, in combination, a casing provided with a main chamber therein constituting a fluid passage extending

entirely through said casing, said casing also having a plurality of auxiliary fluid passages extending therethrough, each of which has communication with an auxiliary chamber within said main chamber, a strainer within each auxiliary chamber in the path of a fluid passing therethrough, a cover for said casing, a valve for each of said auxiliary fluid passages mounted within said main chamber, each valve having an independent valve stem embodied therein which is confined within the casing, a stuffing box for each valve stem also confined within the casing and insertable therein through the main chamber, and means carried by said cover and operatively connected within said chamber to each of said valve stems to operate all of said valves in unison.

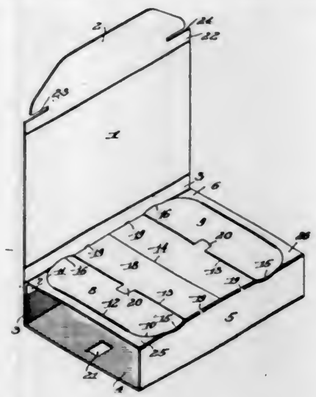
2,076,843
CAR CONSTRUCTION
David Hindahl, Chicago, Ill., assignor to Harry S. Hart, Chicago, Ill.
Application July 5, 1935, Serial No. 29,859
10 Claims. (Cl. 105—409)



1. In a car wall construction having upper and lower chords and connecting side stakes, side sheets therefor adapted to be connected edge to edge to form a continuous wall, each sheet having between its ends, a car stake receiving groove, said sheets being adapted to be attached to the upper and lower chords and having their main portions and their corresponding edge to edge connections lying in an outward plane and receiving said car stake in said groove on the outside thereof with the base of said groove attached to the inner surface of said side stake.

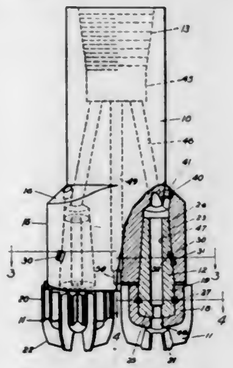
2,076,844
COLLAPSIBLE CONTAINER
Raynor M. Holmes, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York
Application April 27, 1935, Serial No. 18,680
9 Claims. (Cl. 229—29)

1. A container constructed of a single piece of folded sheet material comprising front, rear, bottom, and top walls, a wall connecting and supporting said front and rear walls intermediate said bottom and top walls and cut and scored to provide end walls folding therefrom in opposite directions about lines spaced inwardly from the ends of said intermediate wall, extensions on the bottom edges of said end walls for supporting engagement with said front, rear,



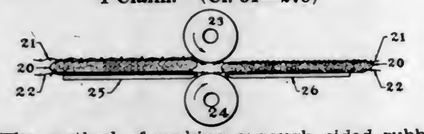
and bottom walls, and means for securing said end walls and extensions in erected position.

2,076,845
WELL BIT
John H. Howard, Huntington Park, and Alfred C. Catland, Alhambra, Calif., assignors to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application April 3, 1933, Serial No. 664,058
8 Claims. (Cl. 255—71)



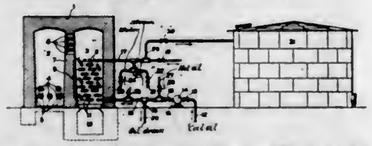
1. A well bit of the character described including, a body having an opening, a removable stem in the opening projecting from the body, a cutter rotatable on the projecting portion of the stem, there being an opening in the body substantially transverse of the first mentioned opening and of elongate cross sectional configuration, the second mentioned opening intersecting the first mentioned opening and being disposed so that the line of contact between the stem and wall of the first mentioned opening if extended would pass diagonally through the second mentioned opening, there being a notch in the stem registering with the second mentioned opening, and a removable lock part in the second mentioned opening cooperating with the notch, the lock part being of the same cross sectional configuration as the second mentioned opening.

2,076,846
METHOD OF MAKING A ROUGH SIDED RUBBER BONDED ABRASIVE WHEEL
Pehr Johanson, Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application January 4, 1936, Serial No. 57,476
1 Claim. (Cl. 51—278)



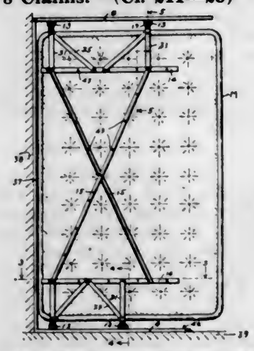
The method of making a rough sided rubber bonded abrasive wheel comprising the steps of incorporating abrasive grains and a vulcanizing agent in a mass of crude rubber, rolling the same into the form of a sheet, placing the sheet in contact with a wire screen and passing the assembled screen and sheet between spaced rolls and thereby impressing the screen pattern in the face of the sheet, thereafter removing the screen, cutting a disk therefrom and vulcanizing the disk, and thus providing a wheel of required thickness and structure having a surface of spaced abrasive teeth and clearance spaces therebetween.

2,076,847
CLEANING FURNACE TUBE
Charles L. Johnston, Long Beach, Calif., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 10, 1934, Serial No. 734,523
7 Claims. (Cl. 196—69)



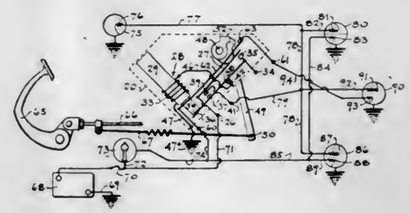
2. A process for removing carbonaceous deposits from the fluid conduit of an oil heater embodying the steps which comprise cooling the fluid conduit by passing aqueous fluid therethrough, reheating the fluid conduit by charging the same with hot oil and flushing the fluid conduit with relatively cold oil.

2,076,848
MATTRESS DISPLAY DEVICE
Charles W. Keiver, Oakland, Calif.
Application October 23, 1935, Serial No. 46,302
8 Claims. (Cl. 211—28)



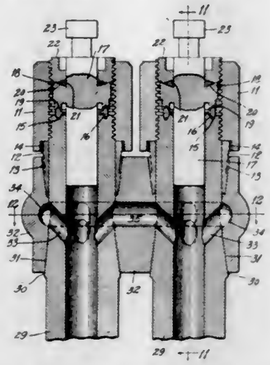
1. In a means for supporting a mattress in a vertical plane, a frame enclosing the mattress for maintaining it in planar condition and comprising separable sections for disengagement to provide for the placement or removal of the mattress with respect to the frame, major and central portions of the frame sections each solely comprising pairs of intersecting bar members forming an X-shaped structure thereat whereby to freely expose a maximum portion of the mattress centrally thereof and extending laterally from the structure to an un-enclosed edge portion of the mattress, and means supporting said frame in a vertical plane.

2,076,849
ELECTRICAL SYSTEM AND DEVICE THEREFOR
Donald S. Kennedy, New York, N. Y.
Application November 26, 1934, Serial No. 754,918
11 Claims. (Cl. 171—97)



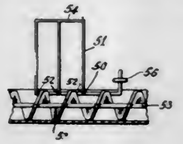
9. An electrical system comprising a source of current connected to a first branch point member to supply uninterrupted current thereto, a current consuming means connected to a second branch point member, a first intermediate circuit interposed between and connected to the two branch point members to carry uninterrupted current therebetween, and a second intermediate circuit interposed between and connected to the two branch point members to carry interrupted current therebetween, in combination with a control device comprising a first resilient contact member, a first fixed contact member normally out of contact therewith, a second resilient contact member, a second fixed contact member normally in contact therewith, single means actuable to simultaneously force the first resilient member into contact with the first fixed contact member and the second resilient member out of contact with the second fixed contact member, a resilient support electrically connected to the first fixed contact member and having two contact points thereon movable therewith, a fixed contact point normally out of contact with the one movable contact point on the support, a second fixed contact point normally in contact with the other movable contact point on the support, and means electrically connected to the first fixed contact point and to the second branch point member to cause the support to flex and to carry the contact points thereon alternately into and out of contact respectively with the first and second fixed contact points, the first intermediate circuit being connected to include the second resilient contact member and the second fixed contact member in series therein, the second intermediate circuit being connected to include the first movable contact point on the support and the first fixed contact point in series therein, whereby uninterrupted current will pass through the first intermediate circuit when the actuating means is not operated and interrupted current will pass through the second intermediate circuit when the actuating means is operated.

2,076,850
RETURN BEND
Frederick E. Key, St. Louis, Mo., assignor to Key Company, East St. Louis, Ill., a corporation of Missouri
Application March 15, 1935, Serial No. 11,276
3 Claims. (Cl. 122—360)



1. A return bend for establishing communication between two tubes each having a plurality of inclined openings through the wall thereof comprising a connecting member telescoped on said tubes and having internal grooves in communication with said openings through the walls of said tubes and a transverse passage between said grooves, and means for holding said connecting member in proper position.

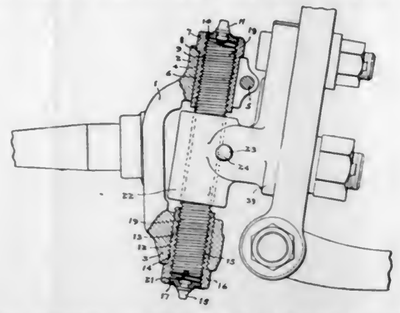
2,076,851
AGITATOR FOR STOKER HOPPERS
Ole Alonzo Larsen, Salt Lake City, Utah
Application March 19, 1934, Serial No. 716,339
2 Claims. (Cl. 259—39)



1. In a coal agitator for stokers, the combination of a coal hopper having a feed screw passing through the narrow bottom end thereof; an agitator mounted to the side walls of the hopper near the screw with horizontal longitudinal bars running along the sides of the hopper; cross bars secured to the horizontal bars extending across the hopper below the top level of the feed screw; and vertically extended means extending above said horizontal bars into the coal in the hopper to agitate the coal and prevent arching thereof.

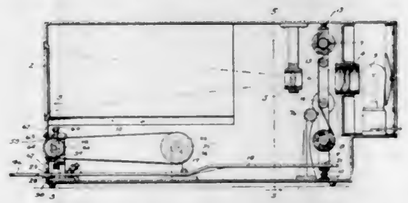
2,076,852
ADJUSTABLE HINGE JOINT
John Wycliffe Leighton, Port Huron, Mich.
Application October 27, 1933, Serial No. 695,412
5 Claims. (Cl. 287—100)

1. A hinge joint comprising a pair of aligned hinge lugs spaced apart, bushings mounted in said lugs having internal threaded bearing surfaces, a threaded bearing pin threaded in said bushings and extending between said lugs, a hinge member mounted on said bearing pin and axially adjustable relative thereto, and means for locking said



hinge member on said pin at various points of adjustment.

2,076,853
MEANS FOR PROJECTING AND ENLARGING CONDENSED INFORMATION
William B. McClure, Seattle, Wash.
Application September 14, 1934, Serial No. 744,025
5 Claims. (Cl. 88—24)

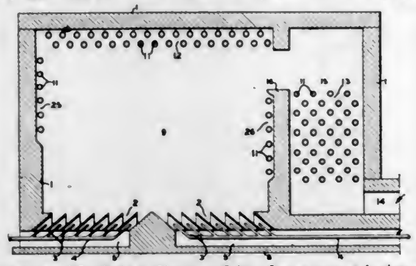


1. A machine of the character described comprising a projection screen, a source of light, means for projecting a beam of light therefrom onto the screen, a record film strip having information arranged thereon in separate columns lengthwise of the film, and each column containing information under one index character and in items arranged in order lengthwise of the column, a primary reference index for individual column selection, movable secondary indices for the items of the individual columns, and a relatively movable column selecting means associated with the primary index and operatively connected to effect a relative movement of film and light source for projection from the column designated by the selecting means with reference to the primary index and to simultaneously bring the corresponding secondary index into item selecting position, and an item selecting means associated with the secondary indices and movable relative thereto to effect a longitudinal movement of the film for the projection of an item designated by the second selecting means with reference to the secondary index.

2,076,854
FURNACE FOR HEATING FLUIDS
Lev A. Mekler, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 17, 1931, Serial No. 530,923
Renewed January 10, 1936
5 Claims. (Cl. 196—116)

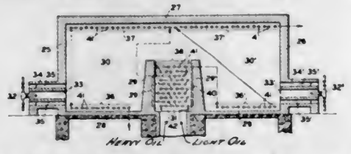
2. A heating apparatus comprising a furnace chamber, heating tubes in said chamber, refractory plates inclined with respect to the horizontal and spaced one behind the other and forming a

floor hearth for said chamber, and burners par-



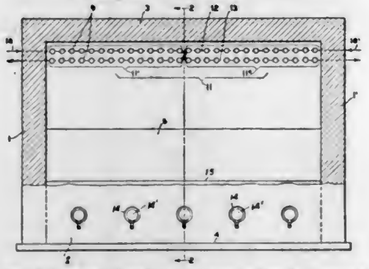
allel to said plates disposed in the spaces between the plates.

2,076,855
HEATING OF FLUIDS
Lev A. Mekler, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 2, 1934, Serial No. 733,347
2 Claims. (Cl. 196—116)



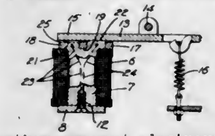
2. In a furnace having a combustion section and a communicating convection heat section through which combustion gases from the combustion section are passed thereby forming in the convection section a zone of high rate of heating and a zone of lower rate of heating, the combination of a fluid conduit in the combustion section, a tube bank in the convection section and having tubes in both said zones, means for passing two parallel streams of fluid through the tubes in said zone of lower rate of heating and for then passing one of said streams of fluid through said conduit and the other through the tubes in said zone of high rate of heating.

2,076,856
FURNACE FOR AND METHOD OF HEATING FLUIDS
William H. Minkema, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 8, 1933, Serial No. 674,801
Renewed September 11, 1936
7 Claims. (Cl. 196—116)



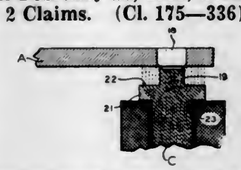
4. In heating hydrocarbon oils to conversion temperature in a furnace having a fluid conduit comprising an exposed row and an adjacent shielded row of parallel tubes adjacent the roof of the furnace and above a combustion zone therein and having means for supplying combustible fuel to the combustion zone through a plurality of burners whereby to heat the tubes primarily by radiation, the method of uniformly heating two substantially equal streams of the oil which comprises passing one of the streams through approximately half of the shielded row of tubes and then through approximately half of the exposed row of tubes, and simultaneously passing the other stream in an opposite direction through the remaining portion of the shielded row and then through the remaining portion of the exposed row of tubes.

2,076,857
ALTERNATING CURRENT MAGNET
Oscar A. Morgenstern, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 23, 1933, Serial No. 703,706
1 Claim. (Cl. 175—338)



An alternating current electromagnetic device comprising a magnetic element having a U-shaped member, the vertical sides of said U-shaped member affording parallel pole legs, a central member secured to said U-shaped member intermediate said sides, said central member and pole legs having pole faces in a common plane and said central member having an enlarged cylindrical pole head channeled in a direction transversely of said pole legs to divide the head into two semicircular pole faces, an armature pivoted on an axis parallel to the channel in said head and rotatable to engage said pole faces simultaneously, a shadowing ring encircling the semicircular pole face of said central member nearest the pivot of said armature for establishing a displaced or secondary magnetic circuit therethrough, and means for introducing a reluctance into the path of a principal magnetic circuit to deflect the magnetic lines of force into the secondary or displaced magnetic circuit comprising a projecting encircled pole face portion in said secondary circuit for engaging said armature to provide thereby a reluctance space element between said armature and said unencircled portion of said central member pole face.

2,076,858
ELECTROMAGNET
Oscar A. Morgenstern, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application February 23, 1935, Serial No. 7,823
2 Claims. (Cl. 175—336)



2. An electromagnet comprising a core having a uniform cross-sectional area, a winding surrounding said core, a pole head integrally formed with said core terminating one end thereof and having a cross-sectional area greater than that

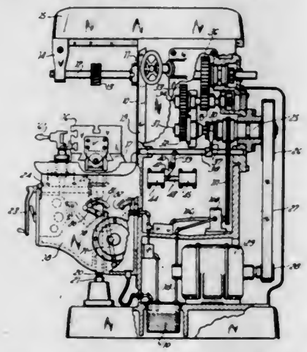
of said core so as to provide for a diminution of magnetic lines passing therethrough from said core, a projecting pole piece extending centrally from the outer face of said pole head, said pole piece having a cross-sectional area smaller than that of said core, and an armature having sliding cooperation with said pole piece and abutting cooperation with said pole head.

2,076,859

TRANSMISSION AND CONTROL MECHANISM

Lester F. Nenninger, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application May 31, 1935, Serial No. 24,223
19 Claims. (Cl. 90—21.5)



1. In a milling machine having a tool support and a work support, the combination of fluid operable means for effecting relative movement between the supports including a piston and cylinder, one of which is connected to the work support, a pair of channels leading to opposite ends of the cylinder, a first reversible variable delivery pump having a pair of ports connected to said channels, a displacement control pendulum for varying the volumetric delivery of the pump to thereby determine the feeding rate of said support, a second reversible variable delivery pump having a pair of ports connected to said pair of channels, and having a displacement control pendulum shiftable to a first position for causing maximum delivery from the pump to one of said channels, for causing rapid traverse of the support in one direction, or to a second position for causing maximum delivery from said pump into the other of said channels for causing rapid traverse movement of the support in an opposite direction, and fluid operable means for shifting each of said pendulums.

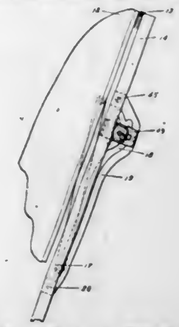
2,076,860

SUPPORTING DEVICE

Edwin North, Rockford, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Delaware

Application October 18, 1935, Serial No. 45,543
6 Claims. (Cl. 217—60)

1. A closure holder comprising an arm having an elongated channel therein terminating in an enlarged end opening, a stud member slidable in said channel, a latch member pivoted in said enlarged end opening, said latch having a stud engaging seat and being pivotable to permit said stud to be disengaged from said seat and be guided progressively around said latch to return to said channel, a bracket member extended over said latch, means for urging said latch into stud seating position, said means including a coil spring having an end portion engageable with said bracket and carried upon the pivotal member of said latch, and a cap fitted over said spring and said pivotal member and having a cut-away portion into which a part of said spring extends for movement with the cap.

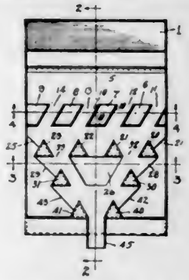


2,076,861

SAMPLE SPLITTER

James B. Parsons, Indiana, Pa., assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio

Application November 21, 1934, Serial No. 754,082
4 Claims. (Cl. 73—21)



1. In a sample splitter, the combination of an inclined flat plate, and a plurality of rows of transversely aligned baffles extending upwardly from said plate, the faces of said baffles being disposed at an angle to the direction of flow of material, the baffles in adjacent rows being out of alignment with respect to the direction of flow of material whereby said rows of baffles respectively split a stream of material flowing over the plate into successively smaller fractional streams, said plate having openings for the discharge of certain of said fractional streams after being formed on said plate.

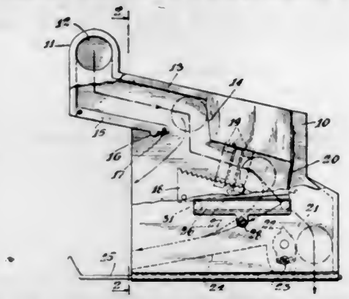
2,076,862

DETECTING APPARATUS

William Patzer, New York, N. Y.

Application November 8, 1935, Serial No. 48,842
6 Claims. (Cl. 194—97)

1. A detecting apparatus including means to receive elements to cause a functioning of a coin controlled mechanism, means defining a path to be followed by coin elements in traversing said apparatus, means defining a path to be followed by slug elements in traversing said apparatus, and means responsive to a shifting of such apparatus to block the path of the coin elements, said means including a rolling member movable



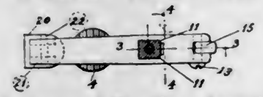
in a plane parallel to that of said path when the apparatus is shifted.

2,076,863

HEEL CLAMP

William H. Poindexter, St. Louis County, Mo.

Application April 27, 1935, Serial No. 18,582
3 Claims. (Cl. 12—125)



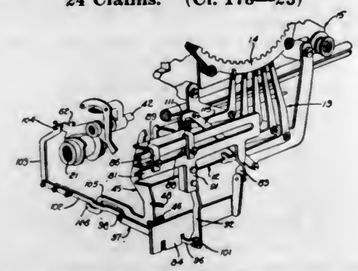
1. A heel clamp of the class described having, in combination, a vertical post having ratchet teeth, a presser head slidingly mounted thereon, an opposing heel support carried by said post, a handle lever pivoted in said head, a spring-controlled pawl pivoted to the upper end of said lever and normally engaging said teeth and characterized by a projection near its pivot engaging a stop pin in said head for disengaging the pawl from said teeth when the lever handle is swung upward away from the post, to allow the head to slide upward on the post and release the clamping action.

2,076,864

PRINTING TELEGRAPH APPARATUS

Albert H. Reiber, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application July 14, 1934, Serial No. 735,094
24 Claims. (Cl. 178—25)



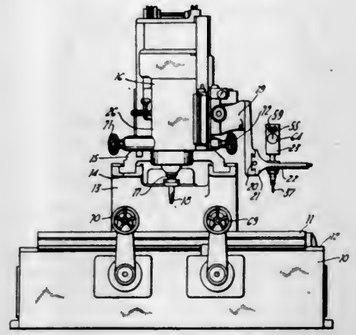
1. In a recorder, selector mechanism responsive to received code combinations of signaling impulses, a type carriage movable normally one character space for each recording operation, and means controlled by said selector mechanism for causing said carriage to advance uninterruptedly through a plurality of spaces at a time from one recording position to another.

2,076,865

MANUALLY CONTROLLED COPYING MACHINE

Millard Romaine, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application December 28, 1935, Serial No. 56,579
12 Claims. (Cl. 90—62)



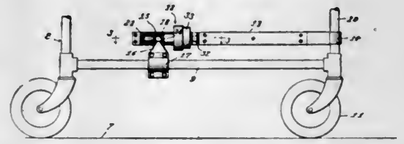
1. In a profiling machine, the combination with manually operable means for steering a tool along a path predetermined by a pattern in contact with a tracer, of a first signaling means to indicate clockwise departures of the tool from said path, and additional means to signal counterclockwise departures of the tool from said path.

2,076,866

COT FASTENER

George La Verne Runkle, Freeport, Ill., assignor to Henney Motor Company, Freeport, Ill., a corporation of Delaware

Application July 28, 1934, Serial No. 737,344
31 Claims. (Cl. 296—19)



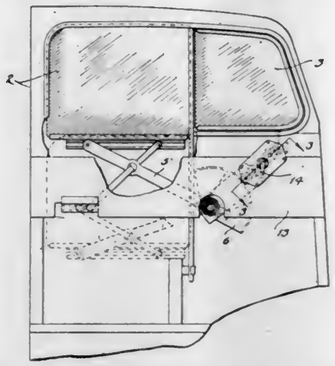
1. Cot fastening means for vehicles comprising a horizontal hook mounted on a support so as to releasably engage an upright part of a cot disposed alongside said support, a latch on said support spaced from said hook and movable horizontally away from the hook for locking engagement releasably with another part of said cot in longitudinally spaced relation to the first cot part, resilient means on the far side of the latch relative to the hook and placed under load by movement of the cot toward interengagement of the second cot part and latch, said resilient means being so arranged with respect to the aforesaid hook, whereby when it is placed under load in the fastening of the cot it provides two thrust components, one lengthwise with respect to the cot toward the hook so as to hold the cot yieldingly against endwise movement and in tight engagement with the hook, and another component at right angles to the first component tending to move the cot away from the latch support, whereby the cot will move outwardly upon disengagement of the latch from the cot, and means for releasing said latch.

2,076,867

UNIT OPERATING DEVICE FOR A SWINGING AND A SLIDING PANEL

Emory Glenn Simpson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application February 14, 1934, Serial No. 711,142
7 Claims. (Cl. 296—44)



1. In a window assembly for an automotive vehicle, a window opening, a window well associated therewith, a pair of panels for closing the window opening, one of said panels closing a portion of the window opening and being swingable about an up and down axis, the other of said panels closing the remaining portion of the window opening and being movable into and out of the window well, a regulator for adjusting the swingable panel, a regulator for adjusting the movable panel, a train of gears continuously operatively connected with one of said regulators, and a second train of gears operatively connected with the other of said regulators, an axially shiftable spindle, a crank non-rotatably mounted on the said spindle, each train of gears having a gear mounted on the said spindle, the said spindle in one position being in clutched relation with one of said gears and unclutched with the other of said gears whereby one of said trains of gears at a time are operable by the turning of the crank.

2,076,868

AMMUNITION

Philip A. Smith, Hamden, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland

No Drawing. Application December 29, 1933, Serial No. 704,512
18 Claims. (Cl. 102—31)

1. A projectile for small arms ammunition comprising a lead slug having lubricating oil distributed substantially uniformly throughout the slug.

2,076,869

METHOD OF MAKING ENAMELED METAL ARTICLES

Robert R. Tanner, Detroit, Mich., assignor to Metal Finishing Research Corporation, Detroit, Mich., a corporation of Michigan

No Drawing. Application November 22, 1930, Serial No. 497,614
1 Claim. (Cl. 91—73)

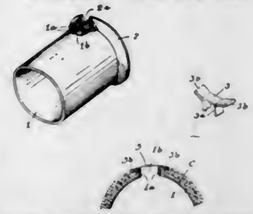
A method of providing an iron article with a vitreous enamel coating which comprises providing the surface of the iron with a coating of substantially insoluble phosphates and baking upon the coating of phosphates a vitreous enamel while maintaining the phosphate coating, unchanged by protecting the phosphate coating from contact with air to form a vitreous enamel coat upon the phosphate coating.

2,076,870

CORE-END FOR PAPER-WINDING CORES

James A. Taylor, Portland, Maine

Application May 17, 1935, Serial No. 22,064
In Canada May 21, 1934
1 Claim. (Cl. 242—68)



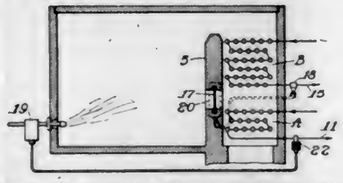
A core-end comprising in combination with a paper-core having a key-way in the end thereof, a sleeve insertable in said paper core, a flange on said sleeve having a portion cut away for key-seating purposes, two ears extending outwardly from said sleeve, formed by partially shearing the wall of the sleeve and forcing the sheared portions outwardly, leaving a key-receiving opening continuing from and in alignment with the key-way in said flange, the outer ends of the ears being disposed at a less distance from the axis of the sleeve than is the periphery of said flange, a cross member disposed over the outer ends of the ears, legs integral with said cross member adapted to straddle and closely contact with the sides of said ears and when assembled in said paper core to engage the sides of the key-way therein, laterally extending portions on said cross member adapted to be impressed into the wall of said paper core, whereby the outside contour of said cross member is coincident with that of said paper core, and pointed, indenting portions on the corners of said cross member farthest from said flange, adapted to prevent longitudinal displacement of said core-end from said paper core.

2,076,871

PIPE HEATER

George W. Watts, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application June 11, 1934, Serial No. 729,986
10 Claims. (Cl. 196—116)



5. The method of heating petroleum oil in an apparatus having a combustion chamber and a convection chamber which comprises flowing combustion gases through said combustion chamber, heating one stream of oil passing through said combustion chamber by substantially all of said combustion gases, conducting said stream of oil through the upper part of said convection chamber, heating said stream of oil by only a part of the combustion gases, conducting another part of the combustion gases to a part of said convection chamber below the aforementioned stream, regulating the quantity of combustion gases heating the aforementioned stream in response to the outlet temperature thereof, passing another stream of oil through the lower part of said convection chamber and heating it by all of the combustion gases and regulating the quantity of combustion gases flowing through said combustion chamber in response to the temperature of the last mentioned stream of oil leaving the convection chamber.

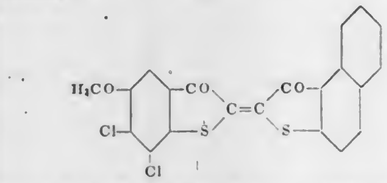
2,076,872

INDIGOID VAT DYESTUFF

Werner Zerweck and Eduard Albrecht, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 25, 1934, Serial No. 727,586. In Germany June 8, 1933
1 Claim. (Cl. 260—53)

The indigoid vat dyestuff corresponding to the formula:



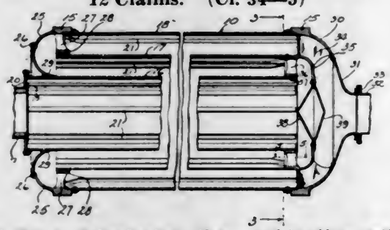
which dyestuff dissolves in concentrated sulfuric acid to a dark blue solution and dyes cotton from an orange vat brown shades.

2,076,873

DEHYDRATING APPARATUS

Gerald D. Arnold, Wauwatosa, Wis.

Application September 9, 1935, Serial No. 39,776
12 Claims. (Cl. 34—5)



10. In a dehydrator, the combination with a series of concentric shells forming intervening passages, means for feeding material to be dehydrated into one of said shells and means for simultaneously pneumatically propelling the material consecutively through said passages, of head members concavely formed to provide unobstructed end passages having no angular pockets wherein material can collect, said end passages providing communication between said intervening passages.

2,076,874

ELECTRICAL CONDENSER

John J. Aurynger, Takoma Park, Md.

Application August 31, 1933, Serial No. 687,681
2 Claims. (Cl. 175—41.5)

1. A condenser assembly comprising a stator frame and a rotor frame interleaving with said stator, having plate elements superimposed one above the other and in alignment, having multilayer walls on circular, cupular appurtenances integral with said plates centrally perforated; and transverse frame elements provided with case-hardened screw threads passing through central



orifices of said cupular members, to cause said threads to penetrate obliquely the inner walls of said cupular bodies, to lock said condenser plates in predetermined spaced relation to each other, said transverse frame elements to form a multiple, continuous, electrical conductor joined with said spaced plates.

2,076,875

SULPHUR-CONTAINING TERPENES AND METHOD OF PRODUCING

Joseph N. Borglin, Wilmington, and Emil Ott, Elsmere, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 11, 1935, Serial No. 15,854
26 Claims. (Cl. 260—16)

1. The method of producing a sulphur-containing terpene compound which includes reacting an unsaturated terpene compound with hydrogen sulphide in the presence of a catalyst selected from the group consisting of acidic catalysts, basic catalysts, contact catalysts, dimethyl sulphate, metallic aluminum and metal sulphides.

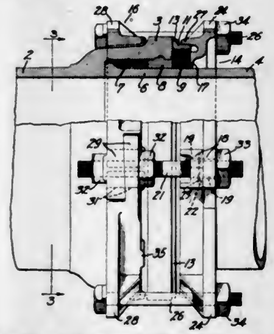
11. The reaction product of an unsaturated terpene compound and hydrogen sulphide.

2,076,876

PIPE JOINT AND MEANS FOR SEALING THE SAME

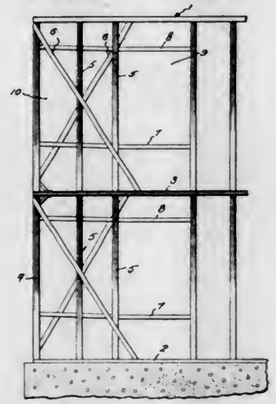
Roger C. Boughton, San Gabriel, Calif.

Application March 29, 1933, Serial No. 663,333
8 Claims. (Cl. 285—119)



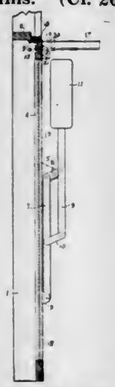
1. In a bell and spigot pipe joint, a gasket ring surrounding the spigot pipe and lying against the bell, a retaining ring abutting the bell and engaging the periphery of the gasket, said ring having an outwardly extending flange portion along the edge abutting the bell, a second retaining ring riding on the spigot pipe and engaging a side of the gasket, said second ring having a flange portion overlying the first ring, and clamp means for moving the second ring against the gasket.

2,076,877
BUILDING CONSTRUCTION
Sanford P. Brown, Beaumont, Tex.
Application March 18, 1935, Serial No. 11,717
5 Claims. (Cl. 189—64)



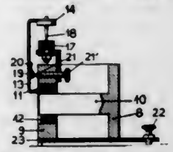
1. Building construction comprising a framework having inner and outer surfaces adapted to be covered defining a wall space, studding comprising channel members arranged in pairs with the channels facing and spaced apart, positioned in said wall space having the unobstructed space between their channel bar elements adjusted to a length sufficient to permit a sash to pass between said elements, and a sash adapted to slide within said wall space between the channel bar elements of said studding.

2,076,878
DOOR
William M. Brunst, Columbus, Ohio, assignor to General Door Company, Reno, Nev., a corporation of Nevada
Application December 3, 1934, Serial No. 755,709
15 Claims. (Cl. 20—19)



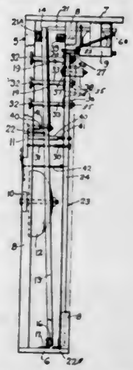
1. In combination with structures forming a passageway, guides on said structures defining a continuous path having a relatively short straight vertical portion and substantially longer straight horizontal portion, a single panel door having rollers in engagement with the guides, and a lever mechanism pivoted to the structures and to the door to lift the door vertically a short distance and then swing the door and cause it to move along the guides.

2,076,879
RADIAL FIELD RELAY
Jean Carton, Monts, France
Application February 25, 1935, Serial No. 8,225
In France January 31, 1935
3 Claims. (Cl. 200—110)



1. A sensitive relay, comprising a permanent magnet constructed so as to create an annular excitation field, a coil mounted to swing in said field in the manner of a pendulum, and means for suspending said coil in said field, the said coil and the said suspension means being secured together to form a single, movable unit, the said suspension means causing the unit to hang so that the position of equilibrium of the unit is that which the latter assumes under the action of gravity.

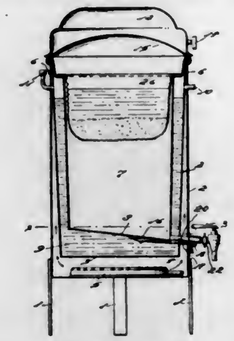
2,076,880
TARGET AND REGISTER DEVICE
John E. Craddock, Brooklyn, N. Y.
Application December 12, 1934, Serial No. 757,161
7 Claims. (Cl. 273—95)



1. An amusement device of the character described including a main frame, an inner frame hinged thereto, a panel in said inner frame serving as a target, means for yieldably resisting the swinging movements of the inner frame, including a dash pot and a spring, a register for accumulating the score made by movements of the inner frame, and means connecting said inner frame with said register whereby movements of said frame are transmitted to said register.

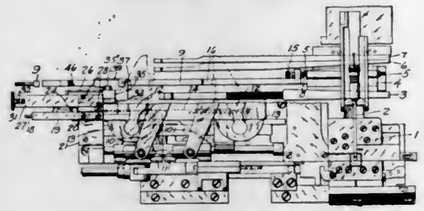
2,076,881
COFFEE URN
James W. Cunningham, Haddon Heights, N. J., assignor to Horn and Hardart Baking Co., Philadelphia, Pa., a corporation of New Jersey
Application April 20, 1936, Serial No. 75,368
2 Claims. (Cl. 53—3)

1. In a coffee urn, a coffee container having its bottom inclining downwardly from one side towards the opposite side, with a sump depressed beneath the plane of the bottom and inclining downwardly from near the central portion to the side wall of the container, a straight downwardly inclined drainage outlet leading from the lowest portion of said sump through the side wall of the container and the side wall of the urn, a



valve controlling said drainage outlet, a dispensing outlet opening into the coffee container above the lowest portion of the sump, and a controlling valve for said dispensing outlet.

2,076,882
TYPOGRAPHIC CASTING MECHANISM
Gordon W. Curtiss, Atlanta, Ga.
Application July 28, 1936, Serial No. 93,111
15 Claims. (Cl. 199—84)



1. A type casting and composing machine comprising matrix case positioning mechanism including a stop rack, mold dimensioning mechanism including a wedge and operating means therefor, a movable stop for the latter, means operated by the stop rack when moved to an extreme position, for moving said stop in position to arrest the movement of said wedge at a point to dimension said mold to cast a wider character than if said stop had not been operated, and means to restore said stop to its non-operative position upon the retractive movement of said wedge.

2,076,883
METHOD OF PRODUCING A LIME BRICK
Jules Ernould, Longwy, France, assignor to Societe des Hauts Fourneaux de la Chiers, a corporation of France
No Drawing. Application April 18, 1935, Serial No. 17,151. In France November 24, 1934
18 Claims. (Cl. 18—47.5)

1. The method of producing a brick of calcined lime, comprising pulverizing calcined lime in a dry state, intimately mixing therewith in the dry state a small amount of dry, pulverulent oxide of a metal selected from the iron group, pressing the dry mix, in dry state, under high pressures into desired shape, and then burning the pressed articles while dry, at a high temperature.

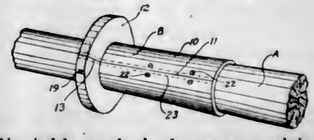
2,076,884
METHOD OF PRODUCING A DOLOMITE BRICK
Jules Ernould, Longwy, France, assignor to Societe des Hauts Fourneaux de la Chiers, a corporation of France
No Drawing. Application April 18, 1935, Serial No. 17,152. In France November 24, 1934
21 Claims. (Cl. 18—47.5)

1. The method of producing a dolomite brick, comprising pulverizing dolomite in a dry state, intimately mixing therewith in the dry state a small amount of dry, pulverulent oxide of a metal selected from the iron group, pressing the dry mix, in dry state, under high pressure into desired shape, and then burning the pressed articles while dry, at a high temperature.

2,076,885
PRODUCTION OF RUSTLESS IRON
Alexander L. Feild, Baltimore, Md., assignor, by mesne assignments, to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware
No Drawing. Application May 31, 1934, Serial No. 728,415
9 Claims. (Cl. 75—12)

1. In the production of high manganese rustless irons and steels in an electric arc furnace, the art which includes, melting down in said furnace iron scrap, a material rich in manganese, a material rich in chromium and an oxidizing agent thereby forming a bath of ferrous metal containing chromium and manganese covered by an oxidizing slag containing oxides of manganese and chromium, and after melt-down is complete reducing the oxides contained in said slag thereby effecting an enrichment of the bath in manganese and chromium.

2,076,886
ADJUSTABLE OARLOCK SLEEVE
Frank William Fraser, Vancouver, British Columbia, Canada
Application March 18, 1936, Serial No. 69,548
In Canada February 3, 1936
1 Claim. (Cl. 9—24)

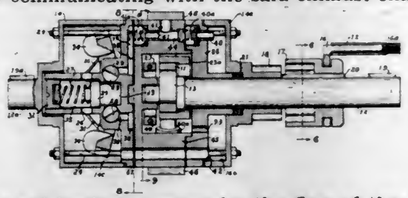


An adjustable oarlock sleeve comprising a tubular member, an enlarged flange formed with the member, said member having a split aligned with a radial split in the flange, an open ring embedded in said flange the free ends of which are spaced from the split in the flange, orificed lugs formed on the ends of said ring extending outwardly to the periphery of the flange to act as guides, a vertical flange extending around the ring and terminating adjacent to said lugs, said enlarged flange and tubular member being adapted to be cut away between the lugs to fit oars of various sizes.

2,076,887
FLUID CLUTCH
Ernest C. Gambrell, Wichita Falls, Tex., assignor of one-fourth to Lutie L. Gambrell, Mineral Wells, Tex., independent executrix of the estate of W. E. Gambrell, deceased
Application June 17, 1935, Serial No. 27,113
7 Claims. (Cl. 192—60)

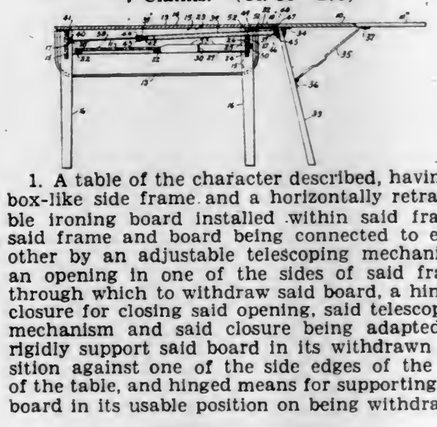
1. A clutch of the character specified, comprising a fluid pump embodying cylinders and pis-

tons therein, communicating supply and exhaust chambers at the sides of the pump, valved passages intermediate the respective pump cylinders and supply and exhaust chambers, a relief chamber communicating with the said exhaust cham-



ber and having passages for the flow of the exhaust from the pump, governor controlled valves for regulating the outflow of the exhaust through the last mentioned passages, and a yielding valve for regulating the discharge from the relief chamber.

2,076,888
TABLE
William Owen Goodwin, Chicago, Ill.
Application June 4, 1934, Serial No. 728,900
7 Claims. (Cl. 38—105)



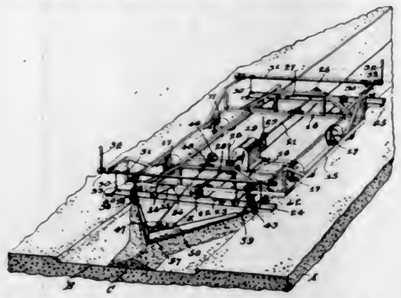
1. A table of the character described, having a box-like side frame and a horizontally retractible ironing board installed within said frame, said frame and board being connected to each other by an adjustable telescoping mechanism, an opening in one of the sides of said frame through which to withdraw said board, a hinged closure for closing said opening, said telescoping mechanism and said closure being adapted to rigidly support said board in its withdrawn position against one of the side edges of the top of the table, and hinged means for supporting the board in its usable position on being withdrawn.

2,076,889
PRODUCTS OBTAINABLE FROM HIGH MOLECULAR CARBOHYDRATES AND PROCESS OF PREPARING THEM
Emil Hees, Wiesbaden, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 6, 1934, Serial No. 751,789. In Germany November 15, 1932
14 Claims. (Cl. 167—65)

7. The product obtainable by causing hydrogen peroxide to act in a neutral aqueous medium upon a starch-containing material in an amount of 0.5 per cent to 10 per cent of the weight of the starch-containing material, said product being a greyish to whitish mass almost insoluble in water.

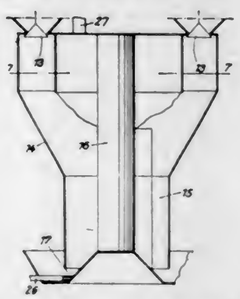
2,076,890
ROAD MATERIAL SPREADING MACHINE
John N. Heltzel, Warren, Ohio
Application October 25, 1932, Serial No. 639,475
11 Claims. (Cl. 94—44)

1. A road building machine comprising a wheeled carriage to move over a road under construction, a reciprocating screed carried forwardly of the carriage, and a member supported from the carriage to underlie the screed to define the



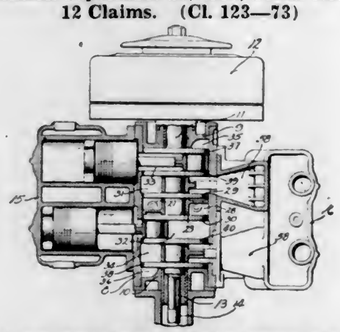
height of the top surface of the screeded material with relation to the surface of a road slab previously constructed, and means to raise and lower the screed independent of said member.

2,076,891
GAS PRODUCER
Hermann Hillebrand, Berlin-Friedrichshagen, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands
Application August 24, 1932, Serial No. 630,276
In Germany August 25, 1931
6 Claims. (Cl. 48—76)



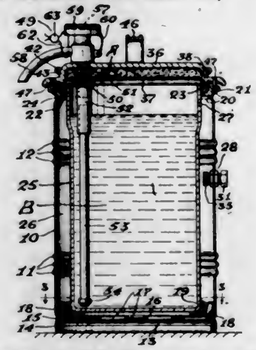
4. In a gas producer, a vertical fuel supply shaft, a gasifying chamber disposed below said shaft, one wall of said chamber being inclined and running from the outer lower edge of said shaft downwardly and laterally inward across the vertical projection of said shaft, the projection of said wall in a horizontal plane being greater than the cross sectional area of said shaft whereby said wall extends inwardly beyond the vertical projection of the inner lower edge of the shaft, said gasifying chamber having a vertical wall spaced from the lower end of said inclined wall and extending from a point below the lower end of said inclined wall substantially up to the level of the inner lower edge of said fuel supply shaft, a vertical wall extending downwardly from the lower edge of said inclined wall and forming with the opposite portion of said first vertical wall a vertical gasifying shaft, and a top wall extending over at least a portion of said gasifying chamber at a point at least as high as the lower edges of said fuel supply shaft, said top wall overlying a portion of said inclined wall, and means to introduce gas at the bottom of said vertical gasifying shaft.

2,076,892
TWO-CYCLE INTERNAL COMBUSTION ENGINE
Finn T. Irgens, Wauwatosa, Wis., assignor to Outboard Motors Corporation, Milwaukee, Wis., a corporation of Michigan
Application September 27, 1934, Serial No. 745,707
12 Claims. (Cl. 123—73)



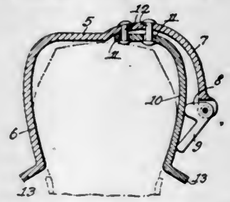
5. A two cycle four cylinder engine comprising the combination with a crank case provided with crank shaft bearings and ports opening axially into said crank case adjacent said bearings, of a crank shaft rotatable in said bearings, a charge forming means a manifold providing communication between said charge forming device and the several ports, and a crank shaft rotatable in said bearings and including valve means operatively complementary to the respective ports to open one of said ports each 90 degrees of crank shaft rotation and to open a successive port as each port closes, whereby to maintain substantially constantly the approximate equivalent of one full open port to receive through said manifold a charge from said charge forming means, said crank case and crank shaft having means co-acting to subdivide the interior of said crank case into four crank chambers in which the crank has pins for the several cylinders, and with which the several ports are in controlled communication to maintain a substantially constant flow of charge from said charge forming means.

2,076,893
BEER DISPENSER
Aron E. Johnson, Seattle, Wash.
Application March 4, 1936, Serial No. 66,992
2 Claims. (Cl. 225—18)



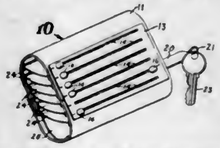
2. An aerated liquid dispenser comprising a cylindrical fragile liquid container open at the top at full width and having an opening in its walls adjacent its upper end, an annular pressure medium and protective casing surrounding said container and communicating with the interior of the latter through said opening, said casing having a series of annular reinforcing ribs formed in the side walls thereof, a pressure medium charging valve mounted in the side walls of said casing, cushioning means interposed between the lower ends of said container and casing, an annular rim rigidly secured to the upper end of said casing having an annular seat formed within the inner walls thereof, an annular gasket of resilient material seating within said seat adapted to surround and tightly engage the upper end of said fragile liquid container, an insulated cover for said container and casing adapted to co-act with said gasket for positively sealing said container and casing, clamping means for said cover, means for sealing said clamping means against tampering, and a faucet sealable against tampering mounted within said cover having a frangible tube flexibly connected thereto and depending therefrom within the fragile liquid container.

2,076,894
DEVICE FOR PUTTING ON SKID CHAINS
Jerald R. Johnson, Pelican Rapids, Minn.
Application March 5, 1936, Serial No. 67,382
1 Claim. (Cl. 152—14)



A tire chain attaching and securing device comprising a U-shaped body portion providing spaced leg members adapted to straddle a tire, one of said legs being offset with respect to the other leg, headed pins extending through the body portion, a movable arm having enlarged openings into which the pins extend loosely securing the movable arm to the body portion directly under the offset leg of the body portion, whereby the movable arm may swing laterally with respect to the body portion, a cam member pivotally mounted at the free end of the offset leg directly over the movable arm, said cam member adapted to move the movable arm into close engagement with the tire gripping the tire on which the device is positioned, and fingers on the ends of the movable arm and one of the leg members whereby a tire chain may be secured to the U-shaped body portion.

2,076,895
KEY HOLDER
Herbert A. Johnston, Anaheim, Calif.
Application March 12, 1935, Serial No. 10,643
4 Claims. (Cl. 150—40)



1. In a key holder, a plate having a plurality of slots therein, a plurality of key holding mem-

bers, one associated with each of said slots and including a portion projecting through its associated slot, means to normally urge the key holding members into a retracted position within the holder, means enabling the key holding members to be moved to an extended position whereby keys thereon may be accessible, means to lock the key members in the extended position and means to release the locking means.

2,076,896

MEANS FOR PRODUCING KNITTED FABRICS

Thomas Henry Jones, Woodthorpe, and Robert Kirkland Mills, Sherwood, Nottingham, England, assignors to Hosiery Developments Limited, Nottingham, England

Application December 23, 1935, Serial No. 55,898
In Great Britain June 11, 1935
4 Claims. (Cl. 66—123)



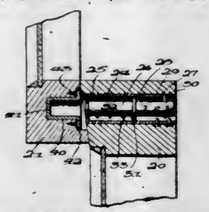
1. A hooked knitting needle having the stem, below the hook, diverging laterally from the straight line, and then returning, wherein the return portion has its upper edge substantially normal to the general line of the needle stem to form a stop for a needle loop cleared down the stem onto the diverging portion.

2,076,897

CLOSURE BOLTING AND LOCKING MEANS

Herman H. Kistner, Baltimore, Md., assignor to The Kistner Lock and Appliance Company, Baltimore, Md., a corporation of Maryland

Application April 16, 1932, Serial No. 605,729
Renewed March 26, 1936
20 Claims. (Cl. 70—90)



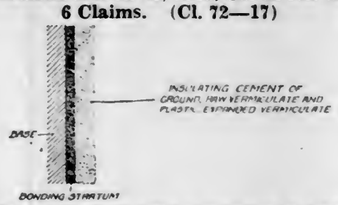
1. A sash-lock comprising a body, a projectable bolt movable in said body to position its bolting end in retracted and projected positions with respect to the front end of said body, said bolt being of such length that in its projected position its butt-end lies within the butt-end of said body, means for urging said bolt toward retracted position, interengaging means extending between said bolt and body and adapted to retain said bolt in a projected position, way-means through the butt-end of said body providing for entry therethrough of means to project said bolt and effect retaining interengagement of said interengaging means to hold said bolt projected and subsequently to manipulate said interengaging means to release said bolt from retained position that it may be returned to retracted position under the influence of said first named means, said body being of a length to be inserted in a sash member with its butt-end flush with the surface of the sash member and being uniformly of its maximum tubular size throughout a substantial portion of its length including its butt-end extremity, and thereby, when driven into place in a sash member, presenting a generally smooth exterior at its butt-end and thus effectively eliminating any way by which said body might be pried loose from the sash member while locking the same.

2,076,898

HEAT INSULATING STRUCTURE AND METHOD OF PRODUCTION

Otto A. Labus, Wisconsin Rapids, Wis., and William J. Mohr, Chicago, Ill., assignors to Universal Insulation Company, Chicago, Ill., a corporation of Illinois

Application March 28, 1935, Serial No. 13,480
6 Claims. (Cl. 72—17)



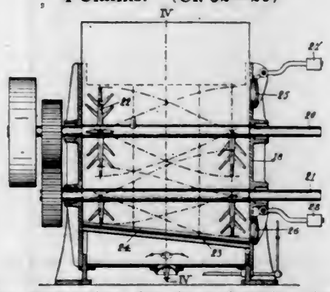
1. The method of heat-insulating a base, consisting in projecting a bonding material incorporating heat-insulating cement onto the base while the latter is hot to secure bond between the material and the hot base, and then applying heat-insulating cement to the coated base after the bonding mixture has dried out sufficiently to be strong enough to hold the insulating-cement.

2,076,899

DISINTEGRATING PAPER MAKING MATERIAL

Marcel Lamort, Vitry-le-Francois, France, assignor to E. et M. Lamort Fils, Vitry-le-Francois, France

Application March 9, 1934, Serial No. 714,883
In France March 17, 1933
4 Claims. (Cl. 92—20)



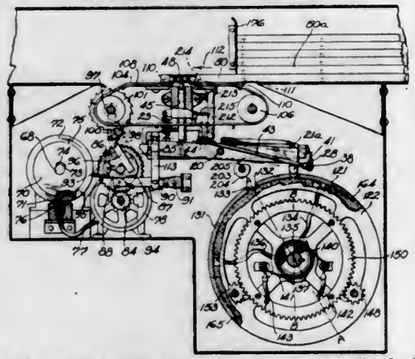
1. An apparatus for transforming into fluid paper pulp semi-raw materials such as sheets of cellulose, comprising a tank, means for removing the pulp from the tank when the latter is full of liquid, a perforated chamber in the tank, the lower part of which chamber is sloped, a gate normally closing an opening disposed in said chamber at the bottom of the slope, means maintaining said gate in closed position against the pressure of the liquid, but yielding to the outward pressure of foreign bodies in the chamber having a density greater than that of the pulp, and at least two rotatable stirrers in said chamber carrying arms, which stirrers turn about substantially parallel axes spaced apart from each other.

2,076,900

RADIO CONTROL DEVICE

Carl H. Langley, Los Angeles, Calif., assignor of forty-five per cent to Phillip K. Wiseman, Los Angeles, Calif.

Application October 17, 1932, Serial No. 638,188
14 Claims. (Cl. 250—20)



1. A device of the character described for automatically adjusting a member in accordance with a predetermined schedule, including: a record having consecutive groups of adjustable parts thereon, there being means whereby said parts may be adjusted to positions representative of desired positions of said member to be adjusted; means for producing a movement of said record to bring said groups of adjustable parts individually into a plane of operation; and actuating means controlled by the group of said adjustable parts in said plane of operation for moving said member to the position represented by said adjustable parts.

2,076,901

MANUFACTURE OF VITAMINE A PREPARATION

Fritz Laquer, Wuppertal-Vohwinkel, and Paul von Dobeneck, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application July 21, 1933, Serial No. 681,664. In Germany July 29, 1932
6 Claims. (Cl. 167—81)

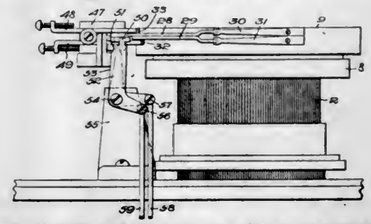
4. The process which consists in treating vitamine containing fish liver directly with about half its quantity of about 30% solution of an alkali metal hydroxide in about 50% aqueous ethyl alcohol in an inert atmosphere while heating to about 60° C. to saponify the fish liver oil in the presence of the liver, adding to the saponification mixture about an equal part of about 40% aqueous ethyl alcohol and extracting the mixture obtained by means of about an equal part of a lipoid solvent which is immiscible with water.

2,076,902

REVERSE PLATING BY KNITTING NEEDLE CONTROL

Robert H. Lawson, Pawtucket, and Arthur N. Cloutier, Lonsdale, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application April 18, 1927, Serial No. 184,576
3 Claims. (Cl. 66—36)



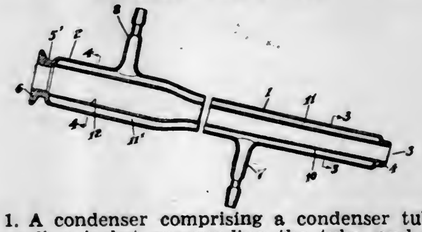
1. A circular knitting machine comprising a circular series of independent latch needles, operating means therefor, means to feed two threads to said needles in a normal plating relation, sinkers or web holders having an in and out movement between said needles, and means to cause certain of said sinkers or web holders to move their needles slightly inward at their upper ends during the downward movement of said needles, in such timed relation as to effect thread reversal in the stitch forming operation.

2,076,903

CONDENSER

William T. Levitt, Needham, Mass., assignor to Tamworth Associates, Inc., Needham Heights, Mass., a corporation of Massachusetts

Application November 16, 1935, Serial No. 50,185
4 Claims. (Cl. 23—292)



1. A condenser comprising a condenser tube, a cooling jacket surrounding the tube, and an enlarged adapter within said cooling jacket, said adapter forming an extension of the condenser tube and having an unrestricted mouth of greater diameter than the main portion of the condenser tube.

2,076,904

FILMING METAL COATINGS AND METHOD OF FORMING THE SAME

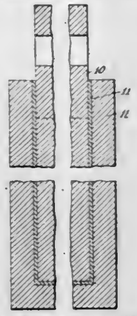
Julius Edgar Lilienfeld, Winchester, Mass., assignor, by mesne assignments, to The Magnavox Company, Fort Wayne, Ind., a corporation of Arizona

Application August 29, 1931, Serial No. 560,141
42 Claims. (Cl. 175—315)

30. The process of treating anodes of condensers of the electrolytic type which comprises electrolyzing an anode in a bath of dilute sulfuric acid thereby forming a film and thereafter forming a high-voltage film on said anode in an electrolyte of a different class.

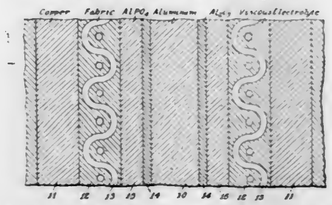
38. An anode for electrolytic cells having a composite covering thereon, consisting of a po-

rous coating presenting low dielectric properties and a film of high dielectric properties intimately



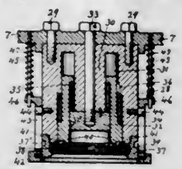
associated with said coating, the coating being of a more highly adherent nature with respect to the anode than the dielectric film.

2,076,905
ELECTRICAL CONDENSER
Julius Edgar Lilienfeld, Winchester, Mass., assignor, by mesne assignments, to The Magnavox Company, Fort Wayne, Ind., a corporation of Arizona
Application September 24, 1931, Serial No. 564,785
7 Claims. (Cl. 175—315)



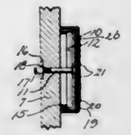
1. An electrical condenser, comprising alternate electrodes separated by a highly viscous electrolyte and retiform material, the anodic electrode being preformed and having a bilaminate integral coating molecularly associated therewith and the proximate layer constituting the active and dielectric film and the overlying layer being inactive and permeable to OH ions in the presence of water or aqueous vapor, the whole being in coiled form.

2,076,906
APPARATUS FOR MAKING BOTTLE CAPS
Charles A. MacCordy, Syracuse, N. Y., assignor to Sanitary Metal Cap Corporation, Syracuse, N. Y.
Application July 27, 1933, Serial No. 682,474
38 Claims. (Cl. 153—7)



1. In an apparatus for making bottle caps from sheet material, means including a collar for cutting a circular disk from said sheet, and means including a coil-spring ring co-axial with said collar for bending the marginal edge of the disk axially to form a skirt.

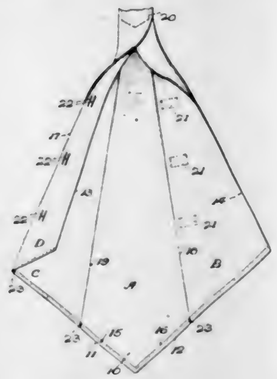
2,076,907
HIGHWAY MARKER
Henry G. Meigs, West Allis, Wis.
Application June 8, 1934, Serial No. 729,676
6 Claims. (Cl. 40—125)



2. A highway marker comprising the combination with a shoe having the outline of a given symbol, of means for mounting said shoe, a shell applied over said shoe and conforming in outline thereto, and means providing light reflecting surfaces on said shell intermediate the margins thereof and conforming in outline to the symbol represented by said shell, the area of said shell between said means and the margin of said shell being finished in contrast to said means.

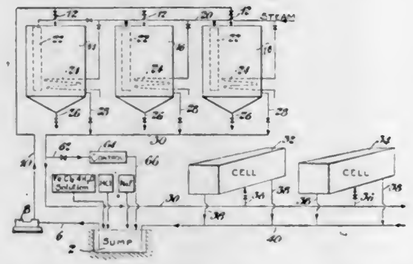
6. A highway marker comprising the combination with a backboard having a hole and a counter bore, of a shoe provided with a bolt extending through the hole and a nut operable only by a special tool threaded to said bolt and socketed in said counter bore, and a shell applied over said shoe and having its margins in pressure engagement between the margins of said shoe and said board, said shoe and shell having the contour of a traffic-directing symbol.

2,076,908
NECKTIE
Paul Miles, Decatur, Ill.
Application March 25, 1936, Serial No. 70,841
5 Claims. (Cl. 2—146)



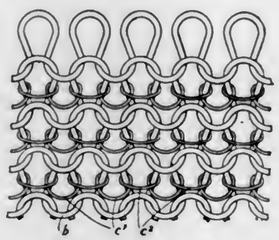
5. A four-in-hand necktie composed of a piece of washable material folded to form a plurality of plies including a face ply, the material at each side of the face ply being folded rearwardly of said face ply so as to form a lateral ply which lies behind said face ply, said plies adapted to be unfolded for washing, and tacking or stitching applied to said material at the free ends of the folds of the lateral plies for determining the location thereof when, after washing, said folds are to be reestablished.

2,076,909
ELECTROLYTIC IRON MANUFACTURE
Benjamin Miller and Colin G. Fink, New York, N. Y., assignors to Patents Corporation of America, Jersey City, N. J., a corporation of Delaware
Application September 21, 1931, Serial No. 563,954
15 Claims. (Cl. 204—1)



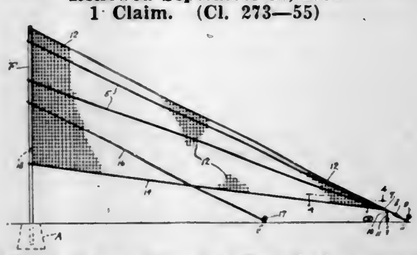
1. In the process of depositing iron electrolytically on a rotary cathode substantially surrounded by an iron anode submerged in a ferrous chloride electrolyte containing sodium fluoride, the improvement which comprises mechanically rubbing the cathode as it rotates, supplying electricity to the electrodes at a current density of about 100 amperes per square foot of cathode surface at a voltage of about one, maintaining the concentration of ferrous chloride in the electrolyte at from 350 to 450 grams per liter of ferrous chloride tetrahydrate and that of sodium fluoride at from 10 to 20 grams per liter, heating the electrolyte to a temperature of from 65° to 106° C., and maintaining the pH value of the electrolyte between about 4 and 6.

2,076,910
KNITTED FABRIC
Robert Kirkland Mills, Sherwood, Nottingham, England
Original application April 11, 1934, Serial No. 720,105. Divided and this application February 25, 1935, Serial No. 8,149. In Great Britain April 18, 1933
5 Claims. (Cl. 66—169)



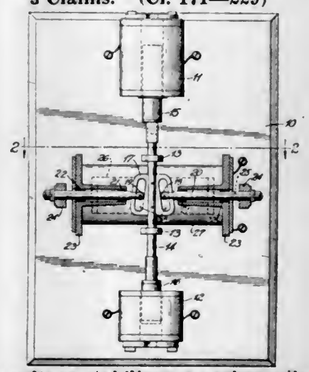
1. Non-ladder or ladder-resistant knitted fabric having predetermined of its stitch loops locked or tied by weft thread which is coiled completely round each side bar or leg of a stitch loop and extends across same but does not itself constitute a stitch-forming thread and wherein the amount or length of stitch-locking thread associated with any given number of successively formed stitches is at least equal to and preferably greater than the amount or length of thread forming said stitches.

2,076,911
FOOTBALL GOAL
Bergie M. Monson, Estherville, Iowa
Application July 11, 1935, Serial No. 30,902
Renewed September 12, 1936
1 Claim. (Cl. 273—55)



A football goal of the class described comprising an upright, inverted U-shaped frame, a plurality of strands attached thereto and inclining downwardly and rearwardly therefrom in spaced relation and merging at a common point, and means for engaging the strands at said common point, a foraminous sheet over said strands, a foraminous sheet under the undermost of said strands and in its rear end having an opening.

2,076,912
VOLTAGE STABILIZER AND CIRCUIT THEREFOR
Clyde Moore, Chicago, Ill.
Application July 26, 1934, Serial No. 737,041
3 Claims. (Cl. 171—229)

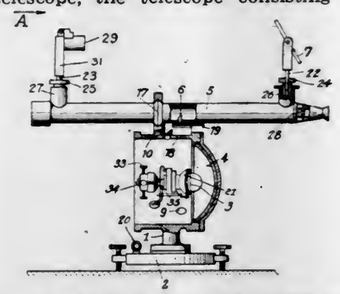


1. In a voltage stabilizer, a carbon pile, means for variably compressing the carbon pile including a cam attached to a vertical rod so as to be movable therewith, guides for the rod, iron cores carried by the rod, one core above and one below the cam, the rod and the parts carried thereby constituting a weight applied to the cam, a voltage coil around one core, and a current coil around the other core for moving the rod as the voltage and current of the line vary.

2,076,913
DEVICE FOR RENDERING VISIBLE REFERENCE POINTS IN GEODETIC SURVEYING
Paul Müller, Berlin-Friedrichshagen, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands
Application January 10, 1935, Serial No. 1,244
In Germany January 17, 1934
5 Claims. (Cl. 88—32)

1. A device for rendering visible reference points in geodetic surveying, comprising, in com-

bination, a sighting telescope, a heliotrope comprising a heliotrope mirror and heliotrope cross wires, and a searchlight detachably yet positively connected with the telescope, the mirror and cross wires being adjustably connected with the telescope, the telescope consisting of two



parts, each of which is provided with a conical annular bead and the searchlight with a two-part bearing having conical bearing surfaces, said bearing being adapted to receive the two annular beads of the parts of the telescope and to hold the latter in position.

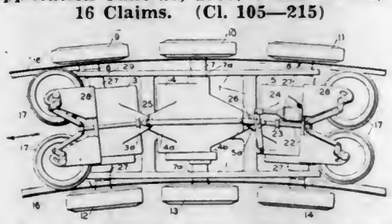
2,076,914

INTERURBAN AND SUBWAY TRANSPORTATION SYSTEM

Ray F. Newton, San Francisco, Calif.

Application June 28, 1935, Serial No. 28,860

16 Claims. (Cl. 105—215)



1. A truck member for a vehicle adapted to run on a track, comprising a frame, triple articulated axle carrying means upon which the frame is mounted, triple axles in said means, load wheels mounted on said axles, and pairs of leading horizontal guide wheels incorporated with said articulated means and said frame that are alternatively effective to maintain the frame in parallel relationship to a track on tangents, independently of said load wheels.

2,076,915

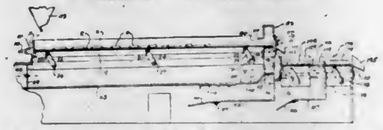
MECHANISM FOR SEPARATING INTERMIXED DIVIDED MATERIALS

Richard Peale, St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del., a corporation of Delaware

Application September 16, 1927, Serial No. 219,976

Renewed May 2, 1935

3 Claims. (Cl. 209—469)



1. A mechanism for separating intermixed divided materials varying relatively very greatly in size of particles or fragments but varying relatively very little in the specific gravities of the materials, including in combination an air pervious table, means for maintaining thereon a continuous, forwardly moving bed of materials progressively undergoing separation, means for longitudinally reciprocating the table, and means for creating a differential pulsating air action longitudinally of the bed, said means comprising an air chamber beneath the table, a horizontally disposed partition separating the air chamber into upper and lower compartments, the compartments communicating at each end of the chamber, and means for blowing an intermittently operating air current into one compartment of the air chamber.

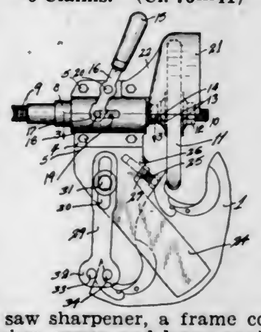
2,076,916

SAW SHARPENER

Charlie H. Perkins, Duthie, Idaho

Application March 10, 1936, Serial No. 68,049

6 Claims. (Cl. 76—41)



1. In a saw sharpener, a frame comprising a main member, upper and lower auxiliary members at one side of the main member, the upper auxiliary member and the upper portion of the main member having opposed portions cooperating to form a bearing and having longitudinally extending slots, a bushing in said bearing provided with side pins projecting through the slots, a handle having forks pivotally mounted above the bearing and disposed in straddling relation to the bearing with their lower ends engaging the pins to shift the bushing longitudinally when the handle and its forks are rocked longitudinally of the bearing, a shaft rotatably mounted through said bushing, a grinder carried by said shaft and shiftable therewith into and out of position for grinding engagement with a saw tooth, means to secure the lower auxiliary member and the lower portion of the main member in straddling engagement with a saw blade, and adjustable means for engaging the saw and holding the frame in angularly adjusted relation to the saw whereby the teeth may be ground at a predetermined angle.

2,076,917

WEED KILLING PREPARATIONS

Georg Pfuetzer and Hermann Losch, Limburgerhof, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application August 25, 1933, Serial No. 686,772. In Germany September 3, 1932

6 Claims. (Cl. 71—4)

1. Weed-killing preparations in a highly dispersed form containing at least 20 per cent by weight of ammonium chloride and a water-soluble heavy metal salt.

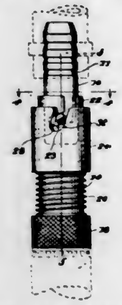
2,076,918

HOSE COUPLING

George A. Robison, Bakersfield, Calif.

Application March 20, 1936, Serial No. 69,929

1 Claim. (Cl. 285—178)



A coupling of the class described comprising a pair of sections, the sections having interfitting engagement, one section having laterally extending circular lugs, the other section having oppositely extending bayonet slots formed at one end for receiving said lugs of the first mentioned section, a spring pressed sleeve slidable upon said other section, said sleeve having notches for receiving said lugs and being adapted to hold said lugs within said bayonet slots, the inner ends of the bayonet slots being inwardly inclined toward their closed ends, the notches in said sleeve being adapted to overlie the bayonet slots and receive said lugs for locking said lugs within the inner ends of said bayonet slots, said notches being inclined toward the closed ends of said bayonet slots and having their open ends partly overlying the longitudinal portions of said bayonet slots, whereby said lugs will be automatically directed into the inner ends of said bayonet slots and wedged therein as the lugs are forced against the outer end of said spring pressed sleeve.

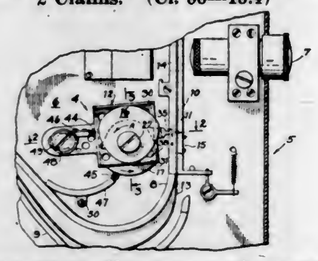
2,076,919

INTERMITTENT FILM MOVEMENT

Ernest Ross, Richmond Hill, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware

Application September 21, 1934, Serial No. 744,947

2 Claims. (Cl. 88—18.4)



1. Intermittent film movement comprising a rotatable drive shaft, a pair of cams carried thereby, each of said cams comprising opposed concentric surfaces of different radii conjoined with eccentric curved portions, all diametrical dimensions across each of said cams being substantially the same, a unitary shuttle fork member having a wall and two pairs of parallel cam followers thereon, one pair of said cam followers being displaced 90° with respect to the other pair, each pair of said cam followers embracing one of said cams, said wall extending between said cams, said cams being angularly displaced substantially 180° on said shaft, and means for pivotally and slidably supporting said shuttle fork member.

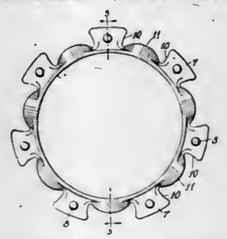
2,076,920

CAGE FOR BALL BEARINGS

Robert F. Runge, Philadelphia, Pa., assignor to S K F Industries, Inc., Philadelphia, Pa., a corporation of Delaware

Application April 15, 1936, Serial No. 74,407

3 Claims. (Cl. 308—201)



1. A cage for ball bearings comprising a substantially cylindrical body portion having openings for the balls, a narrow, centrally disposed web curved to fit the balls and adapted to contact with them on a narrow zone at their rolling diameter, and side flaps bent up from the body portion and free of the web for engaging the sides of the balls and laterally stabilizing the cage.

2,076,921

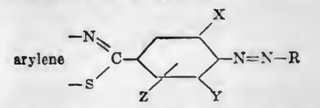
AZO: DYESTUFFS

Hans Schindhelm and Max Schubert, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 6, 1935, Serial No. 5,303. In Germany February 15, 1934

4 Claims. (Cl. 260—44.2)

1. Azodyestuffs of the general formula:



wherein "arylene" stands for a radicle of the group consisting of the benzene and naphthalene series, X stands for one of the group consisting of halogen and methoxy, Y for one of the group consisting of hydrogen and halogen, Z for one of the group consisting of hydrogen and a sulfonic acid group and R means the radicle of a coupling component, which dyestuffs dye the vegetable fibers bluish red to blue to violet shades and form copper compounds of an excellent fastness to light.

2,076,922

AIR COOLING SYSTEM FOR PIPE LINES

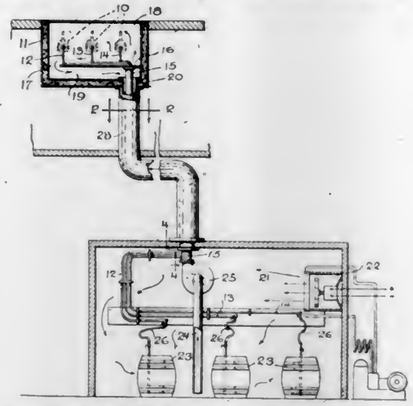
Rodolphe J. Simard, Lynn, Mass.

Application November 13, 1936, Serial No. 110,740

6 Claims. (Cl. 225—1)

1. In a system of the type described, a main cooling chamber having a refrigerating apparatus for cooling the same, a cooling tank located a distance from said main cooling chamber, a liquid conveying pipe line connecting said cooling chamber and said cooling tank, a cooled air conveying pipe line surrounding the liquid pipe line

and extending from the chamber to the tank to maintain the liquid pipe line cold, pipe means surrounding said cooled air conveying pipe line for returning the cold air from the tank to said



chamber, and means for forcing the cold air from the chamber through the air conveying pipe surrounding the liquid pipe line to said cooling tank.

2,076,923

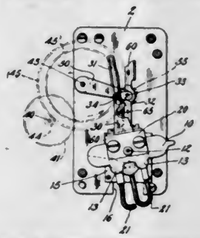
ELECTRICAL SWITCHING MECHANISM

Emil Spahn, Zug, Switzerland, assignor to Landis & Gyr, A-G., a corporation of Switzerland

Application September 6, 1935, Serial No. 39,399

In Switzerland September 28, 1934

3 Claims. (Cl. 200—36)



1. An electrical contact mechanism including in combination a mercury switch tube and means for oscillating said tube comprising continuously operating drive means, a rotatable member actuated thereby for tilting the tube, means for imparting potential energy to said member by raising it while restraining it from rotation and means for releasing the member to rotate and fall a predetermined distance to tilt the tube.

2,076,924

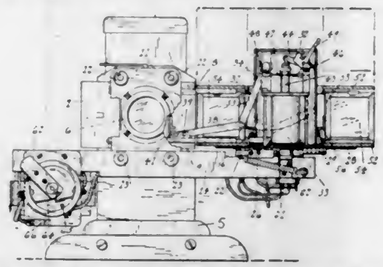
PROJECTOR

Gustav Spindler, San Francisco, Calif., assignor to Spindler & Sauppe, a corporation of California

Application March 10, 1936, Serial No. 68,080

4 Claims. (Cl. 88—27)

1. A slide actuating mechanism of the character described, including a rotatable supporting plate, means for intermittently rotating said plate a step at a time, a magazine positioned on said plate and having radially arranged grooves therein, slide holders mounted in said grooves, said slide holders having a hook formed thereon, a ring supported above said plate and held stationary relative to the movement thereof, said ring being engaged by said hooks, said ring having an opening therethrough whereby one of said



hook carriers may be withdrawn from said magazine and moved to a point beyond the periphery of said magazine.

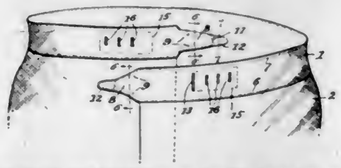
2,076,925

ADJUSTABLE WAIST BAND OR BELT

Maurice B. Steinberg, Coney Island, N. Y., assignor of one-half to Irving Cohen, Brooklyn, N. Y.

Application October 16, 1936, Serial No. 106,051

3 Claims. (Cl. 2—237)



3. Apparel comprising a body having a waist band provided with extended free end portions, said band having inner and outer walls and having its extended end portions shaped to provide tongues, a member in the outer extremity of each tongue forming a stiffened tab of the free end portion of the tongue, stitching extending across said tongues to retain the stiffening members in place and constitute hinge portions adapting the tabs to be folded back upon the tongues, one end portion of said waist band having a passage formed through both its walls to slidably receive the tongue of the other end portion therethrough and dispose the end portions of the waist band in overlapped relation to each other, the outer wall of each end portion being formed with openings spaced from each other longitudinally thereof, portions of the outer wall of each end portion of the waist band being secured together about the openings to define a pocket having margins in close proximity to the openings, the openings constituting entrances for the pockets whereby the tongue of each end portion may have its folded tab passed inwardly through a selected entrance into the pocket of the other end portion and confined therein in a folded condition to hold the waist band about the person's waist.

2,076,926

VARIABLE SPEED POWER DRIVE

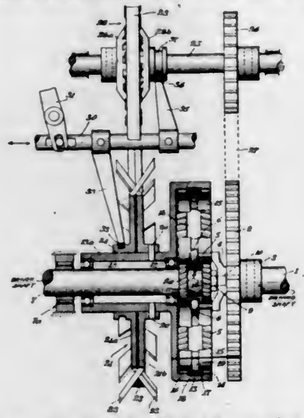
August Timmermann, New York, N. Y.

Application April 13, 1936, Serial No. 74,056

2 Claims. (Cl. 74—286)

1. In a variable speed power drive having a driving and a driven shaft, a planetary gear having a central gear fixed on the driven shaft, an inside toothed control wheel running free

with respect to said driven shaft and disposed coaxially therewith, and a plurality of planetary ring gears in mesh with said central gear and said control wheel inside of the latter, said ring gears having each a central peripheral bead on its outer periphery extending beyond the pitch circle of the central gear and an inner peripheral groove extending into said bead sufficiently deep to bring the groove in axial direction in line with the pitch circle of said central gear, a central peripheral groove in said central gear and



in said control wheel toothing to receive and support said bead, means on said driving shaft for engaging the grooves of said planetary rings at the pitch circle of said central gear for applying the torque of said driving shaft directly at the pitch circle of said latter gear, and means for rotating said control wheel at desired varying speed ratios with respect to the speed of the driving shaft, for producing a speed variation of the driven shaft with respect to the driving shaft.

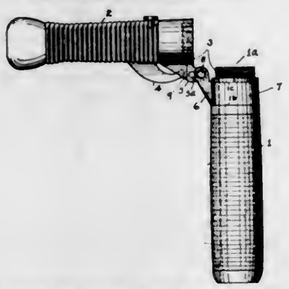
2,076,927

FIREARM

John G. Weber, Pittsburgh, Pa., assignor to Screw Machine Specialty Company, a corporation of Delaware

Application November 29, 1935, Serial No. 51,976

2 Claims. (Cl. 42—1)



1. In a combination firearm and billy embodying a barrel member, a handle member including firing mechanism, and a threaded union for normally securing said members in assembly, the combination of two hinge elements severally secured to said members, at least one of said members being rotatable relatively to the hinge element secured thereto, and each hinge element being secured against axial movement with respect to the member to which it is secured, and a sliding pivotal connection uniting said hinge elements, whereby said members may be rotated and moved axially relatively to one another for engaging and disengaging said threaded union, substantially as described.

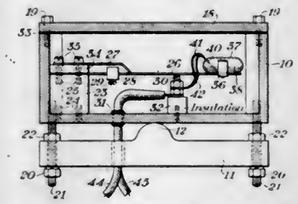
2,076,928

CIRCUIT CONTROLLING INSTRUMENT

Harold G. Witmer, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application December 14, 1935, Serial No. 54,500

11 Claims. (Cl. 246—251)



1. In combination with a railway track rail subject to vibration as a vehicle passes thereover, a resilient reed having one end thereof secured in fixed relation to said rail and having mounted on the free end thereof a closed envelope containing a conductive fluid with contact elements cooperative therewith, and a rigid stop having one end thereof secured in fixed relation to said rail and the other end thereof normally engaging said reed at a point intermediate to its opposite ends for assisting said rail in vibrating said reed and envelope as required to change the position of said fluid with respect to said contact elements.

2,076,929

KNITTING APPARATUS

David H. Young, Philadelphia, Pa., assignor to Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa., a corporation of Delaware

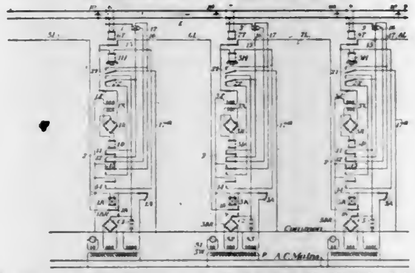
Application March 16, 1934, Serial No. 715,854

2 Claims. (Cl. 66—126)



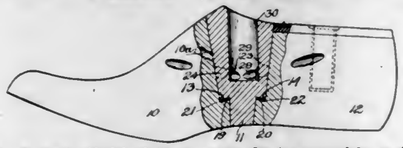
1. In a yarn carrier of the character described, a main body member provided with an elongated yarn-receiving groove having divergent portions which merge at the delivery end of the member to form a single throat, and a yarn separating member located in said throat for maintaining in separated relation a plurality of yarns passing through said throat and to insure their issuance from said delivery end of the member in intimately associated substantially parallel relation.

2,076,930
RAILWAY SIGNALING SYSTEM
Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 13, 1935, Serial No. 16,185
Renewed July 30, 1936
24 Claims. (Cl. 246—46)



3. In combination, a railway track divided into sections, three relays D, H and K for each section at the entrance thereof, a line circuit extending between adjacent sections and over which either relay D or H of the rear section may be operated, means for supplying said line circuit from the forward of said sections with current suitable for operating one or the other of such relays D or H depending upon the energized or deenergized condition of the relay K of the forward section, track circuits for said sections including track relays having contacts for effecting the deenergization of the D and H relays of their associated sections when such section becomes occupied, traffic controlling means at each relay location controlled by the D and H relays at such location, and a circuit for the K relay at such location controlled by the associated D and H relays.

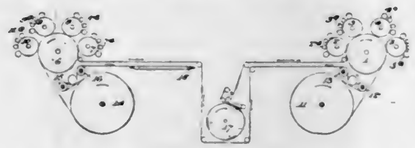
2,076,931
LAST
James D. Adams, White Plains, N. Y.
Application May 5, 1936, Serial No. 77,929
9 Claims. (Cl. 12—135)



1. A last divided transversely to provide a fore part section, an intermediate section and a heel section, and locking devices permanently mounted on said last separably and rigidly locking said sections together in assembled relationship independently of the shoe within which the last is used, said locking devices being operable to disconnect said sections while the last is within said shoe so that the sections of the last can be separately removed therefrom without stretching the neck of the upper of the shoe.

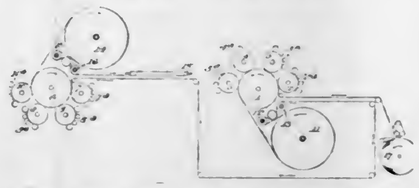
2,076,932
WEB PERFECTING ROTARY PRESS
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application August 10, 1935, Serial No. 35,585
2 Claims. (Cl. 101—179)

1. In a web perfecting rotary press, first and second multicolor printing units located in substantially the same horizontal plane in line with each other at opposite ends of the press, each printing unit comprising an impression cylinder and form cylinders arranged around the upper side thereof, first and second combined heating and cooling units located in substantially the



same horizontal plane between and below the printing units, said heating and cooling units comprising a heating cylinder and one or more cooling cylinders interposed between the impression and heating cylinders, a web supply roll, and means for leading the web through said units and directing the web therefrom.

2,076,933
WEB PERFECTING ROTARY PRESS
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application August 10, 1935, Serial No. 35,586
2 Claims. (Cl. 101—179)

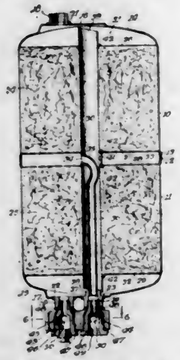


1. In a web perfecting rotary press, first and second multicolor printing units located in substantially the same horizontal plane in line with each other at opposite ends of the press, each printing unit comprising an impression cylinder and form cylinders arranged, in one unit around the upper side of their impression cylinder and in the other unit around the under side of their impression cylinder, first and second combined heating and cooling units located in one instance below its printing unit and in the other instance above its printing unit, each of said heating and cooling units comprising a heating cylinder and one or more cooling cylinders located between the heating cylinder and impression cylinder, a web supply roll, and means for leading the web through said units and directing the web in the desired direction.

2,076,934
OIL FILTER
Robert Nash Burckhalter, Michigan City, Ind., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application August 3, 1934, Serial No. 738,305
9 Claims. (Cl. 210—134)

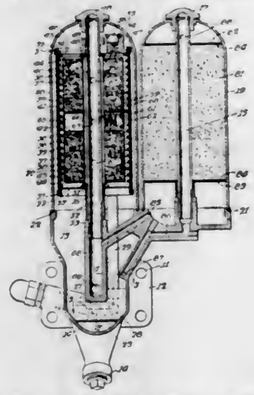
1. An oil filter comprising a casing having a pair of openings for the admission and discharge of oil, a pair of spaced apart filtering elements one within each end portion of the casing and being of equal cross section therewith and spaced from the casing end, a tube connecting the end spaces of the casing and a

smaller tube within said tube connecting one



of the openings with the space between the filtering elements.

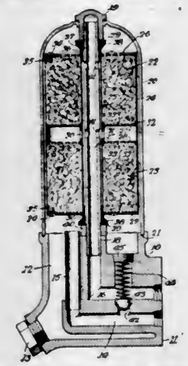
2,076,935
OIL FILTER
Robert Nash Burckhalter, Michigan City, Ind., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application August 3, 1934, Serial No. 738,306
15 Claims. (Cl. 210—131)



1. In a filter, a barrel screen of flexible material, means for directing the flow of oil through the screen inwardly, a grating sustaining the screen against inlet pressure, a removable cartridge within the grating comprising loose fibrous material, means for bypassing oil around the screen, and other means for bypassing oil around the cartridge.

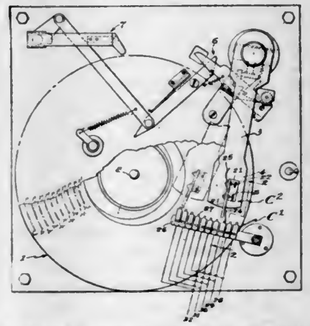
2,076,936
OIL FILTER
Robert Nash Burckhalter, Michigan City, Ind., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application September 1, 1934, Serial No. 742,405
3 Claims. (Cl. 210—134)

1. A filter comprising a base and a hollow stem mounted thereon, concentric cylinders spaced apart, two fibrous filter elements between the cylinders and confined by four perforate heads, the adjacent two heads being spaced apart to provide a chamber and the two remote heads being detachable to permit replacement of the filter elements, the cylinder surfaces engaged by the filter elements being imperforate whereby fluid to be filtered is prevented from passing radially through the filter elements, the inner cylin-



der being mounted over and spaced radially from the stem and having an opening into said chamber, means sealing the ends of said inner cylinder to said stem, and the stem having an opening for liquid passing through said chamber.

2,076,937
SOUND-REPRODUCING MEANS
Kenneth B. Cannon, Pasadena, Calif., assignor of fifty per cent to John K. Lyon, Jr., Pasadena, Calif.
Application November 11, 1935, Serial No. 49,214
4 Claims. (Cl. 179—100.4)



1. In a sound-reproducing apparatus, a sound record provided with a plurality of separate messages; means for moving said record; electrical pick-up means associated with said record and adapted to produce electrical impulses therefrom; a plurality of sound-reproducing devices adapted to convert electrical impulses into sound impulses; a relay unit associated with each of said sound-reproducing devices and operable to associate its corresponding sound-reproducing device with said pick-up means; a plurality of spaced contact members in relatively fixed position with respect to said record and said pick-up means, each of said contact members being electrically associated with one of said relay units; a movable contact adapted to successively engage each of said plurality of contacts and successively energize the corresponding relay unit by such contact; and means for moving said movable contact member with respect to said fixed contact members to cause successive connection of said pick-up means to different sound-reproducing devices

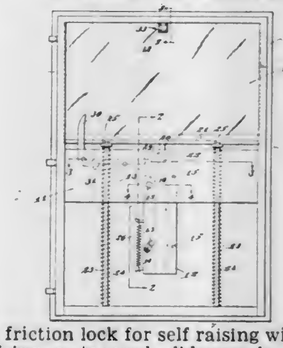
through operation of said relay means during the movement of said record to cause reproduction of said separate messages at different sound-reproducing devices in a predetermined sequence.

2,076,938

AUTOMATIC AUTOMOBILE WINDOW ELEVATING MECHANISM AND LOCK

Daniel L. Chandler, Somerville, Mass., assignor of ten per cent to Edwin M. Bailey, Swampscott, Mass., five per cent to Thomas H. Richardson, Brookline, Mass., seventy-eight per cent to Fred H. Rowe, Gloucester, Mass., and seven per cent to Harold E. Thurston, Lynn, Mass.

Application August 7, 1935, Serial No. 35,098
3 Claims. (Cl. 188—166)



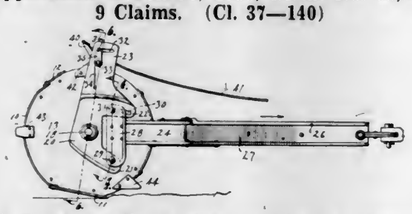
1. A friction lock for self raising window sashes comprising a tapered slideway located in the frame of said window one side of said slideway being movable in an upward and inward direction and normally being held against a slide block engaged in said slideway by means of a spring member attached to the movable and permanent portions of said slideway, a hand operating lever and link member pivoted in the said window frame adapted to depress said slidable portion of said slideway for the purpose of releasing said slide block, a pivoted link member connecting said block with the bottom of said sash.

2,076,939

EARTH MOVING MACHINE

Alonzo C. Cox, Cantril, Iowa, assignor to Ervin F. Behrens, Decorah, Iowa

Application March 13, 1936, Serial No. 68,707
9 Claims. (Cl. 37—140)



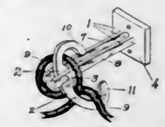
1. In an earth moving machine, a channel-shaped carrier substantially in the form of a portion of a hollow cylinder, having substantially disc-shaped ends, plates journaled on the ends, each having vertically spaced forwardly extending arms, a yoke-shaped hitch having arms extending adjacent the ends, each hitch arm being pivoted to one end arm and having fore-and-aft limited sliding connection with the other adjacent end arm, and adjustable means for limiting the rotation of the carrier with relation to the plates and the hitch.

2,076,940

AUTOMATIC SELF LOCKING CLOTHESLINE FASTENER

James Frank Fair, New Kensington, Pa., assignor to Jessie G. Fair, New Kensington, Pa.

Application January 18, 1934, Serial No. 707,073
2 Claims. (Cl. 24—133)



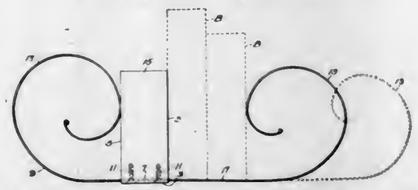
1. A device for securing rope or the like, comprising a yoke including two spaced-apart legs, means for mounting the yoke upon a support, and a clamping element pivotally mounted between the distal ends of said legs, said clamping element including two rope-engaging portions directed toward the base of the yoke and being adapted, upon rotation of the element, to swing between said legs, one of said portions being adapted to engage a body of rope passed beneath it and arranged astraddle the top edges of said legs, with the rope extending therefrom and between the bottom edges of said legs and the other of said rope-engaging portions of said clamping element, said last rope-engaging portion being adapted to impart rotative stress to said clamping element in response to tension applied to the rope extending therefrom, whereby the first-mentioned portion of said clamping element wedges the straddling portion of said body of rope between said legs.

2,076,941

BOOK END AND LIKE SUPPORTS

Fred D. Farr, Mamaroneck, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland

Application January 14, 1935, Serial No. 1,677
Renewed March 21, 1936
8 Claims. (Cl. 211—43)



1. A support of the character described having, in combination, a member providing an abutment for the articles to be supported, a relatively wide, longitudinally tapered, flat strip of spring material having a portion of less width operatively secured to said member and having a free portion of greater width coiled to present a scroll a curved side of which is opposed to said member, said scroll being capable of being unwound by movement thereof away from said member and resiliently tending to assume its coiled shape.

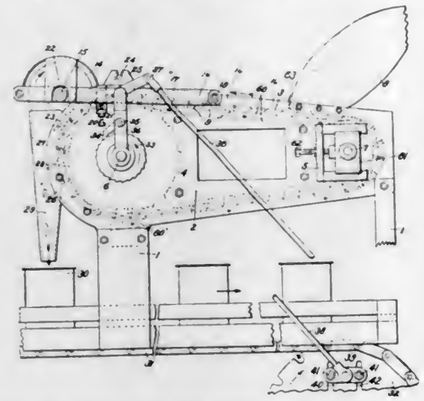
2,076,942

CHERRY CUTTING APPARATUS

George D. Gardner, San Jose, Calif.

Application March 30, 1934, Serial No. 718,165
12 Claims. (Cl. 226—2)

2. In a machine of the character described, a carrier arranged and adapted for supporting and moving cherries in a row in spaced relation along a path of travel comprising an endless chain of links, means mounting said chain for movement in a vertical plane, each of said links provided with a body having a vertically outwardly opening recess adapted to receive a cherry therein, the recesses being positioned in a straight line longitudinally of the chain and the walls of said recesses having outwardly opening slots therein extending in the direction of travel of the chain, a knife positioned with its cutting edge within said



slot arranged to cut the cherries as the carrier is moved to carry the cherries past the knife, means for ejecting the cut cherries from said path of travel, a can conveyor arranged and adapted to successively position a can to receive the cherries ejected from the carrier, means for continuously operating said can conveyor, and means connecting said can conveyor and carrier for intermittently advancing said carrier upon actuation of said can conveyor.

2,076,943

FUSE HOLDER

Edward V. Gluck, Bronx, N. Y., assignor to Royal Electric Company, Incorporated, Avon, Mass., a corporation of Massachusetts

Application May 23, 1934, Serial No. 727,127
In Canada December 13, 1933
15 Claims. (Cl. 200—113)



15. A handle for fuses of the type described comprising, a band of insulating material for encircling the body member of the fuse, the ends of said band bent outwardly from said body member, a handle secured to said ends and extending lengthwise with the body of the fuse, and the handle pivoted to the said ends so that it may be extended from and folded against the body member.

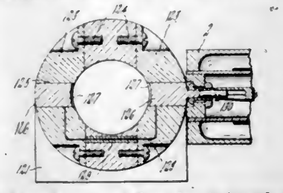
2,076,944

GAUGING MECHANISM

Wilfred H. Howe, Winchester, Mass., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application October 14, 1933, Serial No. 693,589
18 Claims. (Cl. 177—351)

1. A gauge comprising a condenser plate, a conductor support for an article to be tested spaced a predetermined distance from said plate and



insulated therefrom, and a lead insulated from said support and connected to said plate.

2,076,945

PAPER PRODUCT AND METHOD OF MAKING THE SAME

Victor T. Hoeflich, New York, N. Y., assignor to American Merrilel Corporation, New York, N. Y., a corporation of New York

Application December 4, 1935, Serial No. 52,753
28 Claims. (Cl. 41—10)



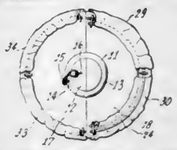
9. As an article of manufacture, a paper wreath or the like, said wreath comprising a generally toroid-shaped body made of a plurality of thicknesses or convolutions of crepe paper wound with the grain extending in the direction of the axis of the convolutions, said paper being crumpled into a continuous series of spaced transverse relatively movable corrugations which give the surface of the wreath an irregular appearance and which facilitate bending of the paper to toroid shape, the ends of the paper being flanged outwardly and cemented together in end to end relation to form a closed ring, and a decoration secured to said wreath at the connection between the aforesaid abutting ends of the paper.

2,076,946

COMBINATION SCRUBBER

Charlotte Huber, New York, N. Y.

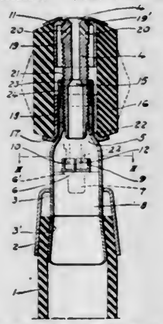
Application May 4, 1936, Serial No. 77,751
2 Claims. (Cl. 15—247)



2. In an attachment for a brush split into complementary half sections each having a handle post portion and a brush body portion, a removable ring on said post portions adapted to lock said sections together, a hook on one of said post portions, eyelets arranged around the upper periphery of said body portions, a wire-like arcuate member removably mounted in said eyelets on each of said body portions, a third arcuate wire-like member removably mounted adjacent one of said first-named wire-like members, a cloth adapted to be passed around the bottom of said brush body, said cloth having its ends hemmed to form channels in its edges, said cloth being secured to said body by passing one of said first-named wire-like named members through said channels on one end of the cloth, by then passing the other end of said cloth around the other of said first-named wire-like

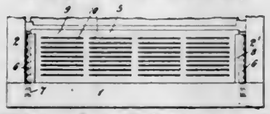
member, and finally passing said third wire-like member through said channels at said other end of the cloth, and clamping the excess length of said cloth between said last-mentioned two wire-like members.

2,076,947
SPRAY NOZZLE
Georg Karl Vilhelm Johanson, Lidingo, near Stockholm, Sweden
Application June 25, 1935, Serial No. 28,235
In Sweden April 7, 1934
8 Claims. (Cl. 299—117)



1. In a spray nozzle, a fore part and a rear part mutually arranged for axial adjustment relatively to each other, the fore part being fitted in and surrounded by the end of the rear part, and a guide and whirling body for the liquid, the said body being centrally located in the rear part at a distance from the junction of the said part with the fore part and having a larger cross section area than the inner mouth of the fore part and peripheral guide passages for the liquid, the said passages being located substantially uniformly around the periphery of the body, the limiting and guide walls of the said passages extending longitudinally of said body and in substantial parallelism with the axis of the nozzle and disposing the passages therebetween in oblique directions with respect to said axis and in the same direction of rotation, so that as the inner mouth of the fore part is caused to approach the guide body, an increasing part of the liquid is forced to pass the guide walls of the passages of the body in a direction inclining towards the axis of the nozzle and the jets being at the same time put into a spiral motion.

2,076,948
VENTILATOR
Elias Kaplan, Hoboken, N. J., assignor to Elias Kaplan, Inc., a corporation of New Jersey
Application April 1, 1935, Serial No. 14,040
6 Claims. (Cl. 98—99)

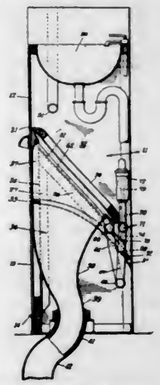


1. A ventilator for windows, comprising a pair of ventilator body elements, holders for engaging the edges of each member of said pair of body elements, located at the corners of the horizontal member of a window frame and at the middle thereof, at least one of said edge holders being provided with a vertical post having a releasable sliding connection with said horizontal member of the window frame.

2,076,949
NEW PRODUCT AND PROCESSES FOR PRODUCING SAME
James E. Kirby, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 2, 1931, Serial No. 572,739
9 Claims. (Cl. 18—58)

1. In the process for the preparation of shaped articles from synthetic latex, the steps which comprise dipping a form of predetermined size and shape into a body of a synthetic latex comprising more than 55% by weight of dispersed chloro-2-butadiene-1,3 polymer, then withdrawing the form slowly and at an even speed from the body of the latex, thereby retaining a coating of latex on the form and removing the dispersing medium from said coating.

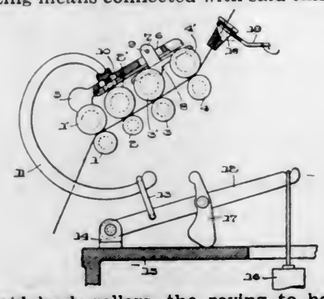
2,076,950
DISAPPEARING TOILET
Ralph H. Koch, Lennox, near Inglewood, Calif.
Application May 1, 1935, Serial No. 19,135
9 Claims. (Cl. 4—3)



1. In a plumbing construction, means providing a recess, a waste pipe leading therefrom, a bowl mounted for movement optionally into or out of said recess, an outlet pipe leading from said bowl, said pipes telescopically engaging each other to permit movement of said bowl, and packing means carried by one of said pipes and slidably engaging the other to establish a fluid-tight seal therebetween in all positions of said bowl, said packing means comprising a packing ring carried by one of said pipes and surrounding and frictionally engaging the other of said pipes, and an annular shoulder rigid with said other pipe in position to engage said packing ring when said bowl reaches its outer extreme of movement.

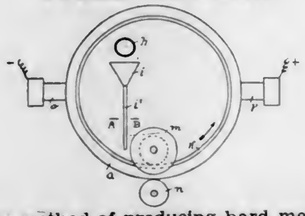
2,076,951
HIGH SPEED SPINNING
Masaye Kono, Nishinomiya, Japan
Application January 17, 1934, Serial No. 706,911
In Japan April 21, 1933
1 Claim. (Cl. 19—130)

A high draft mechanism for a spinning frame, comprising in combination, a pair of front rollers, a pair of second rollers situated adjacent said front rollers, a pair of third rollers situated adjacent said second rollers, a pair of back rollers situated at a distance from said third rollers which is greater than the mean length of the fibres to be treated, a guide tube having an orifice, the diameter of which is smaller than the mean diameter of the roving to be treated, a guide bar carrying said guide tube, said guide tube being situated behind said back rollers at a distance therefrom which is less than the mean length of the fibres to be treated, and adjustable weighting means connected with said third rollers



and said back rollers, the roving to be treated passing through the orifice of said guide tube and then passing consecutively between said back rollers, said third rollers, said second rollers and said front rollers, the relative speeds of the rollers being such that a draft of two to fifteen is obtained in the first stage whereby the roving is subjected to two stages of comparatively high draft.

2,076,952
PRODUCTION OF HARD METAL ALLOYS
Anton Kratky, Vienna, Austria
Application August 21, 1935, Serial No. 37,114
In Austria June 8, 1934
6 Claims. (Cl. 75—137)



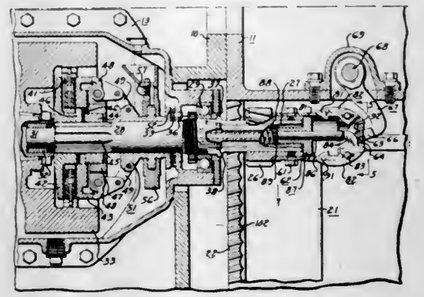
1. The method of producing hard metal alloys from pulverulent material by hot treating and pressing the same, consisting in building up a body layer by layer on to a substratum from very thin layers of the pulverulent material which are each individually pressed in a highly heated state on to the foregoing layer until the desired thickness of the hard body is obtained.

2,076,953
MANUFACTURE OF HYDROCYANIC ACID
Burritt S. Lacy, Niagara Falls, N. Y., assignor to The E. I. du Pont de Nemours & Co., Wilmington, Del., a corporation of Delaware
No Drawing. Application December 7, 1933, Serial No. 701,361
9 Claims. (Cl. 23—151)

1. A process for the production of hydrocyanic acid which comprises reacting a mixture initially containing nitric oxide, a gaseous hydrocarbon, water vapor, oxygen and nitrogen in the presence of a platinum-rhodium catalyst.

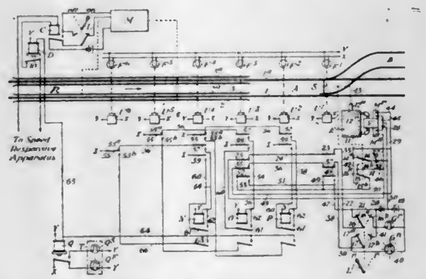
8. A process for the production of hydrocyanic acid which comprises oxidizing ammonia with air in the presence of an ammonia oxidation catalyst and directly passing the resulting hot gas mixture together with a hydrocarbon in the vapor phase over a platinum metal catalyst.

2,076,954
ENGINE
George W. Lewis, San Leandro, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application November 18, 1933, Serial No. 698,675
16 Claims. (Cl. 74—6)



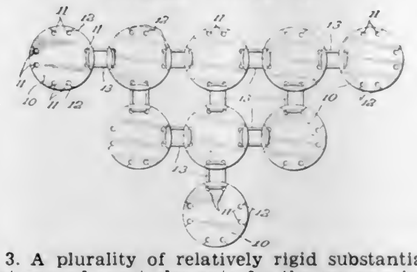
1. The combination with an engine having a rotatable gear, of starting mechanism for said engine, comprising an axially shiftable rotatably mounted gear, a latching abutment, a latching member, means connecting said latching member for shifting and rotatable movement with said second mentioned gear, said latching member being mounted for oscillatory movement on said means, resilient means acting against one end of said latching member, and means formed at the opposite end of said latching member for engagement with said abutment.

2,076,955
COMBINED CAR RETARDER AND SWITCH CONTROL SYSTEM FOR CAR RETARDER YARDS
John W. Livingston, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 19, 1935, Serial No. 17,287
24 Claims. (Cl. 246—219)



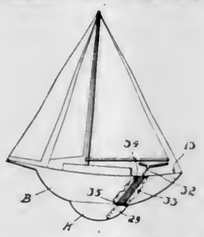
1. In combination, a stretch of railway track over which spaced cars move toward a switch under such conditions that it is desirable to be able to maintain between successive cars a minimum spacing which is sufficient to permit said switch to be operated between the cars, and a car retarder associated with said switch and controlled automatically by means responsive to the spacing between cars for retarding the speed of a following car if it gets close to the preceding car than said minimum spacing.

2,076,956
DESIGN FORMING DEVICE
Herman H. Lowenstein, Chicago, Ill.
Application February 10, 1936, Serial No. 63,099
3 Claims. (Cl. 41—10)



3. A plurality of relatively rigid substantially flat spaced apart elements for the purpose indicated, each of said elements being provided with four pairs of spaced apart apertures adjacent the edge thereof, said pairs of apertures being spaced in uniform angular relation to each other, said elements each being slit therethrough adjacent to and terminating at said apertures, and separate endless fasteners passed through said slits for entering a pair of apertures of adjacent elements for detachably connecting said adjacent elements together.

2,076,957
BOAT STRUCTURE
Lawrence R. Lueck, El Monte, Calif.
Application March 28, 1935, Serial No. 13,379
1 Claim. (Cl. 114—65)



In a boat construction, a distinct boat portion, and a distinct keel portion, both being hollow and united at a certain divisional level and lines, bow and stern edges being curved between the keel and deck, the boat portion having distinctly straight lines in the upward direction between the divisional level and the deck, the keel portion having distinctly straight lines between the lowermost keel edge and the divisional level in an upward direction, and the deck edges being spaced so much more than the edges at the divisional level as to form a distinct sharp bend in the combined lines at any point between the bow and stern.

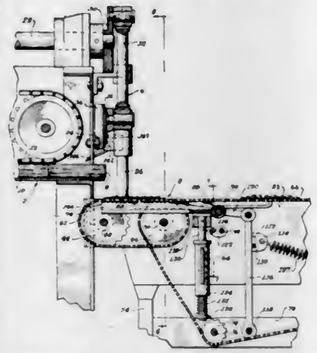
2,076,958
AGRICULTURAL IMPLEMENT
William Forest Mathes, Hockley, Tex.
Application February 17, 1936, Serial No. 64,254
1 Claim. (Cl. 55—31)

An agricultural implement comprising a pair of side frames, each composed of outside and inside side members, front, intermediate and rear cross bars connecting the side members of each frame, the inside side members of the respective frames being approximately parallel, front and rear upstanding brackets whose lower ends are pivoted to the respective inside side members, the upper ends of the brackets being overturned into coinciding relation and adjustably secured to-



gether, the lower ends of said brackets being pivoted to the frames whereby the frames may be independently swung on longitudinal axes.

2,076,959
SLICING MACHINE
Harry H. McKee and Nicholas J. Dziedzic, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 11, 1935, Serial No. 53,911
20 Claims. (Cl. 146—155)

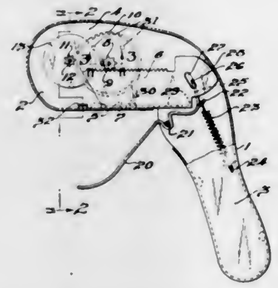


1. In a slicing machine, the combination of a reciprocating knife element operable to sever slices from a body of meat fed thereto, a conveyor for receiving said slices in uniform overlapped relation, and means associated with said element for compressing and compacting said slices in groups on said conveyor, said last mentioned means comprising a member carried by the machine frame and engaged by a movable member of said means whereby upon the relatively positioning of said last mentioned members the compressing and compacting effect upon the slices can be regulated.

2,076,960
MECHANICAL MOVEMENT
Oscar A. Netschke, St. Clair Shores, Mich.
Application January 6, 1936, Serial No. 57,647
3 Claims. (Cl. 74—130)

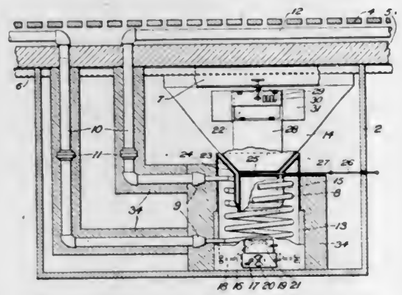
1. In a rotary tooth brush, a housing having a flat wall portion, a toothed rack having a flange riding on said flat wall portion, a cover for the housing provided with depending lugs extending downwardly on the side of the rack flange opposite the flat wall portion, the flange of the rack being guided between said lugs and said flat wall portion, a pinion gear meshing with the toothed rack, a larger gear secured to rotate with the pinion gear, the rack being provided with an an-

gular slot adjacent one end, a trigger pivotally mounted in the housing and having an end engaging in said slot, the arrangement being such that by turning movement of the trigger on its pivot the rack may be moved longitudinally in either direction in the housing, a shaft rotatably



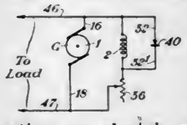
mounted in the housing and having an end extending from the housing, a flywheel and gear on the shaft, said gear meshing with the aforesaid large gear and a spring mounted in the housing handle and arranged to turn the trigger in one direction on its pivot.

2,076,961
HEATING SYSTEM FOR REFRIGERATOR CARS
Charles David Niven, Ottawa, Ontario, Canada
Application June 26, 1935, Serial No. 28,588
3 Claims. (Cl. 237—35)



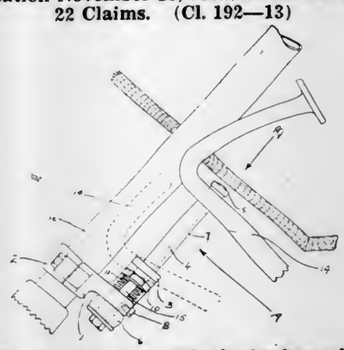
1. In a heating system for refrigerator cars, a heater located entirely outside of and directly below the floor of the car, liquid heating means in the heater, liquid circulating pipes directly above the floor of the car, riser pipes connecting said liquid heating means and said liquid circulating pipes, means for preventing undesired reverse circulation of liquid due to the limited height of the heater and exposure to weather conditions comprising thermal insulation surrounding said riser pipes and said heater adjacent the liquid heating means, means for admitting fuel to the heater and a combustion gas discharge passage having its discharge opening located above the insulation surrounding the heater and directly below the floor of the car, said passage being adapted to supply heat to the fuel admitting means to prevent freezing of condensed moisture thereon.

2,076,962
REGULATING DEVICE USING COPPER OXIDE RECTIFIERS
Bernard E. O'Hagan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application March 31, 1933, Serial No. 663,759, which in turn is a division of Serial No. 488,574, October 14, 1930, now Patent No. 1,966,558, dated July 17, 1934. Divided and this application November 19, 1935, Serial No. 50,553
3 Claims. (Cl. 171—229)



1. In combination, an electric generator comprising an armature and a field winding connected in parallel, and a copper oxide rectifier connected in parallel with said field winding for shunting current from said field winding.

2,076,963
BRAKE LOCKING DEVICE FOR MOTOR VEHICLES
Eric J. Pilblad and Charles C. Strange, Rockville Centre, N. Y.
Application November 16, 1932, Serial No. 642,862
22 Claims. (Cl. 192—13)

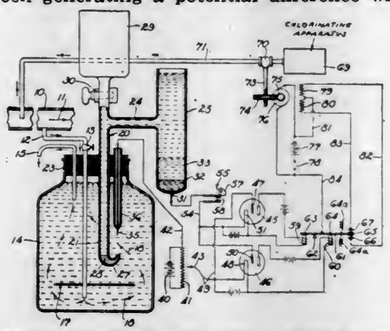


1. The combination with the brake and clutch pedals of a vehicle of a locking device comprising a rigid supporting frame attached to the vehicle, a movable element slidably extending through said frame, said movable element being disconnected from and adapted to engage said brake pedal, and locking means for frictionally resisting movement of said element.

2,076,964
PROCESS AND APPARATUS FOR WATER PURIFICATION
Richard Pomeroy, Harbor City, Calif., assignor of one-half to Arthur P. Banta, Pasadena, Calif.
Application August 10, 1934, Serial No. 739,240
4 Claims. (Cl. 23—253)

1. In combination in a system for regulating the delivery of chlorine or other oxidizing agent to a liquid substance: an electro-chemical half-cell extending in a portion of said liquid substance and providing an electrode in contact with a static body of liquid of constant composition and providing a body of electrolyte through which said liquid of constant composition is in ionic communication with said portion of said liquid substance; an electrically-conducting electrode extending into a portion of the liquid substance already containing some of the added

oxidizing agent thereby being surrounded exclusively by said liquid substance to which said oxidizing agent has been added, said electrode and said half-cell comprising an electro-chemical cell generating a potential difference which



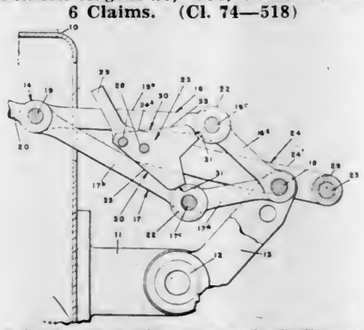
varies in magnitude with the oxidation potential of said liquid substance already containing said added oxidizing agent; supply means for supplying additional oxidizing agent to said liquid substance at a point ahead of said electrode; and means responsive to the potential difference developed by said electro-chemical cell for controlling said supply means.

2,076,965

BRAKE ACTUATING MECHANISM

Charles A. Sawtelle, Detroit, Mich., assignor to S & D Engineering Company, Detroit, Mich., a corporation of Michigan

Application August 20, 1934, Serial No. 740,697
6 Claims. (Cl. 74—518)



1. A brake operating means including a pedal lever, a brake rockshaft lever, a connection between said levers including two pairs of pivotally connected links arranged in longitudinally opposed relation, and means acting on said pairs of links to move the same apart to shorten the connection between said levers and subsequently acting on said pairs of levers to cause them to move toward one another to lengthen said connection.

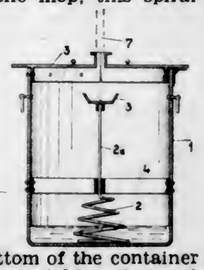
2,076,966

DEVICE FOR CLEANING AND REMOVING DUST FROM MOPS AND OTHER SIMILAR KINDS OF BROOMS

Marta Schultze, née Liehr, Berlin Friedenau, Germany

Application August 17, 1936, Serial No. 96,460
In Germany October 20, 1935
2 Claims. (Cl. 15—104)

1. Device for a dust free cleaning of mops or other similar kinds of brooms, consisting of a container with a lid, an opening in the lid for the handle of the mop, and a spiral spring for supporting the mop, this spiral spring resting



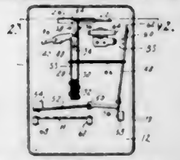
upon the bottom of the container and being provided with a straight part co-axial with the axis of the spring and guided by means of a guiding part in the container.

2,076,967

BURNER CONTROL SYSTEM

Burton E. Shaw, Adel, Iowa, assignor to Penn Electric Switch Company, Des Moines, Iowa, a corporation of Iowa

Application January 6, 1936, Serial No. 57,774
11 Claims. (Cl. 200—116)



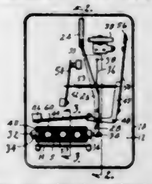
2. In a burner controller, a switch, a slow acting overrunning electro-responsive means for closing said switch upon energization of said means, a safety switch operable to de-energize said means, said safety switch being opened by energization of said means before closure of said first switch, and combustion responsive means for closing said safety switch upon combustion occurring, a latch for said safety switch to latch it in open position, said combustion responsive means coacting therewith to render said latch inoperative upon the return of said safety switch to open position prior to the return of said combustion responsive means to cold position.

2,076,968

BURNER CONTROL SYSTEM

Burton E. Shaw, Adel, Iowa, assignor to Penn Electric Switch Company, Des Moines, Iowa, a corporation of Iowa

Application January 6, 1936, Serial No. 57,775
12 Claims. (Cl. 200—122)



1. In a burner control switch structure, a normally open switch, a normally closed safety switch operable to de-energize the burner circuit, a slow acting actuator for said first switch and said safety switch for first closing the first switch and then opening the safety switch, means for effecting operation of said actuator

and means responsive to combustion if established for arresting the operation of said first means after said actuator has closed said first switch.

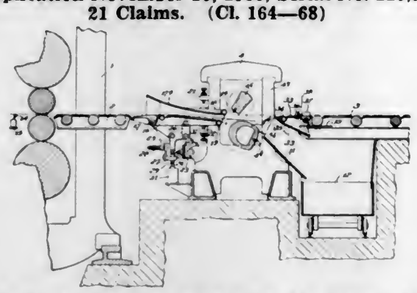
2. In a burner control switch structure, a normally open switch, a normally closed safety switch operable to de-energize the burner circuit, a slow acting actuator for said first switch and said safety switch for first closing the first switch and then opening the safety switch, an electro-responsive heating means for actuating said actuator upon energization of said electro-responsive heating means, and means for arresting the operation of said electro-responsive heating means after said actuator has closed said first switch, comprising a shield interposed between said electro-responsive means and said actuator, said last means being responsive to combustion establishment.

2,076,969

METHOD AND APPARATUS FOR SHEARING STRIP MATERIAL

Maurice P. Sieger, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 10, 1936, Serial No. 110,057
21 Claims. (Cl. 164—68)



1. In a shearing apparatus for transversely cutting strip material while in motion, a feeding and a run-out conveyor for conducting the strip therethrough, a flying shear provided with superposed blade carriers equipped with cooperating cutting blades disposed between said conveyors, the lower of said carriers being so designed that when in a certain position it will permit the strip to pass thereover below the line of support of said conveyors and under the run-out conveyor, and means for engaging the strip entering the shear after a cut is made and guiding it onto the run-out table.

20. The method of shearing elongate strip material and separating the first cut from the rest of the strip while the strip is in motion which consists in delivering the strip to the cutters along a given plane to a point spaced in front of the cutters, allowing it to preliminarily fall below said delivery plane before and as it passes through the cutters and then after the first cut is made deflecting the strip following such cut upwardly and supporting it in a plane above that followed by the portion removed by said cut.

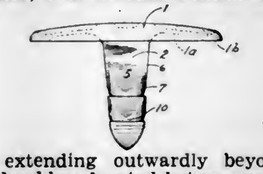
2,076,970

HIGHWAY MARKER

Charles H. Smith, Cleveland, Ohio

Application June 9, 1936, Serial No. 84,299
3 Claims. (Cl. 94—1.5)

1. A highway marker comprising a top, and a tapered shank having plain intersecting side surfaces forming longitudinally extending corners and having circumferentially extending, axially spaced recesses forming shoulders at the corners of the shank, each circumferential set of such



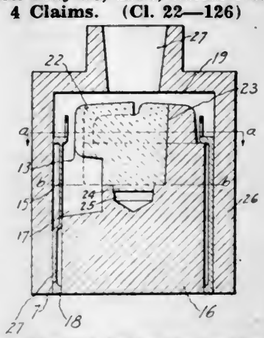
shoulders extending outwardly beyond corresponding shoulders located between said set and the free end of the shank.

2,076,971

PISTON MOLD

Harold A. Soulis, Detroit, Mich., and Wilbur T. Soulis, Easton, Pa.

Application May 26, 1930, Serial No. 455,547
4 Claims. (Cl. 22—126)



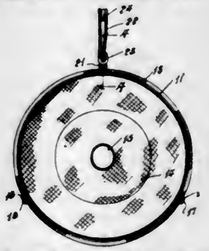
1. An internal mold for use in casting the head of a bi-metallic piston upon the shell thereof, comprising a permanent portion of metal having a transversely disposed centrally located recess and a plastic material removably inserted between the spaced walls of said recess to complete said mold.

2,076,972

FISH AND CRAB TRAP

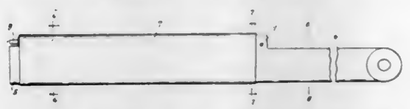
Perry Tucker, Houghton, N. Y.

Application August 15, 1935, Serial No. 36,432
1 Claim. (Cl. 43—65)



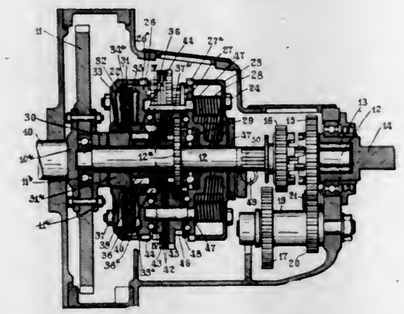
In a fish and crab trap, two similar substantially frusto-conical sections, each of said sections having a spaced loop and pin adapted to engage a pin and loop on the other section, each pin being straight and extending tangentially from its ring and radially to the axis of its section, the loop on each section underlying the ring on the other section to support it, and said sections being connected together by engaging the pin on one section in the loop on the other section and rolling said sections on substantially parallel axes until the axes of the sections are in alinement.

2,076,973
HAND TOOL
Randall A. Wilson, Roseville, Calif.
Application February 19, 1936, Serial No. 64,747
3 Claims. (Cl. 51—187)



1. In a device of the character described, an elongated head provided at one end with a handle, said head being substantially V-shaped in cross section, and providing a pair of sides connected together at one longitudinal edge thereof, and an abrasive sheet disposed about said head and having longitudinal edge portions folded inwardly of the head over the free edges of said sides, and a clamping bar swivelly connected at one end with said head adjacent one end of the latter, said clamping bar being insertable between the free edges of the sides of said head to force the abrasive sheet into tight engagement with said edges.

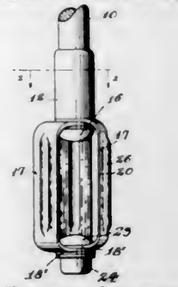
2,076,974
POWER TRANSMITTING MECHANISM
James S. Alspaugh, Columbus, Ohio
Application February 11, 1935, Serial No. 5,989
9 Claims. (Cl. 74—259)



1. In a power transmitting mechanism, a power shaft, a driven shaft, a gear thereon, a rotary frame mounted to turn on said driven shaft, gearing mounted in said rotary frame engaged with the gear on the driven shaft, said gearing including a geared sleeve and roller lock means, clutch means associated with said frame adapted to cause the rotation of said gearing by said lock means when the power is applied to rotate the rotary frame and means actuating the rotating frame to hold said clutch means engaged, said clutch means being releasable by movement axially of the rotating frame.

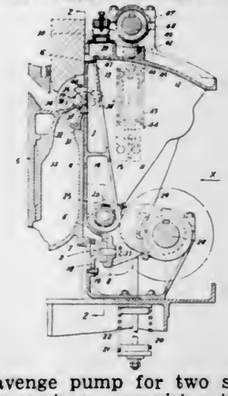
2,076,975
CENTRIPETAL DISSOLVER
Anton M. Bach, Palo Alto, Calif.
Application May 12, 1936, Serial No. 79,385
4 Claims. (Cl. 259—126)

1. In an agitator, a rotatable shaft, a sleeve thereon, said sleeve being interiorly threaded, a plurality of agitator blades, each of said blades having right angularly disposed apertured ears at each end, screw means engageable through the apertures of the ears at one end and in screw threaded engagement with the bore of the sleeve and means engageable with the apertures of the



other ends of the ears for securement of the blades.

2,076,976
SCAVENGE PUMPING MEANS FOR INTERNAL COMBUSTION ENGINES
Walter Scott Burn, Hartlepool, England, assignor to The National Gas and Oil Engine Company Limited, and Alfred Bickerton Balmford, Ashton-under-Lyne, England, and Walter Scott Burn, Hartlepool, England
Application November 13, 1935, Serial No. 49,634
In Great Britain November 13, 1934
10 Claims. (Cl. 123—65)

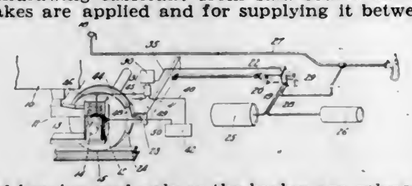


1. A scavenge pump for two stroke internal combustion engines, comprising in combination with an engine, a vane-like displacer pivoted at one extremity for angular movement within a sector-shaped casing attached at the side of the engine cylinder, said casing having communication through ports with an air source and with the scavenging and supercharging air inlet of the engine cylinder, means including an outside separate shaft driven by the engine for oscillating said displacer to draw air into said sector-shaped casing from the air source and to expel such air into the engine cylinder, and valve means also outside and driven by the engine to control the opening and closing of said communication ports according to the timing with the cylinder's cycle of engine operation.

2,076,977
LUBRICATING SYSTEM FOR VEHICLE WHEEL BEARINGS
Vannevar Bush, Belmont, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York
Application February 13, 1936, Serial No. 63,706
3 Claims. (Cl. 184—7)

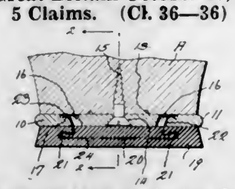
1. In a vehicle having an axle, a bearing for rotatably receiving said axle, a brake, and means

for applying and releasing said brake including a fluid pressure system, the combination therewith of a lubricant supply source, and means for withdrawing lubricant from said source as the brakes are applied and for supplying it between



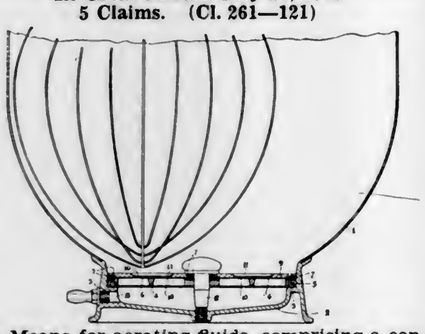
said bearing and axle as the brakes are released, said means including a cylinder, a piston in said cylinder, means for supplying fluid pressure from said fluid pressure system to said cylinder to move said piston in one direction, and means for moving said piston in the opposite direction.

2,076,978
DETACHABLE HEEL PROTECTOR FOR SHOES
William H. Butler, Forest Gate, London, and David S. Cooper, Manor Park, London, England
Application July 7, 1936, Serial No. 89,430
In Great Britain October 17, 1935
5 Claims. (Cl. 36—36)



1. A detachable heel protector for shoes, including a metallic keeper plate having a central countersunk aperture through which a screw may be passed to hold the plate in place upon the shoe, the keeper plate being formed with a pair of upwardly and laterally inclined slots, the outer edge of each slot on the inner face of the keeper plate opening into a downwardly and outwardly inclined recess, and a heel lift having a pair of laterally inclined tongues embedded therein and projecting beyond the inner surface of the lift, said tongues being resilient and being urged by said resilience away from each other, the extremities of the tongues being formed with hooks detachably engaged in said recesses.

2,076,979
MEANS FOR AERATING FLUIDS
Ejnar Christiansen, Birmingham, England
Application March 10, 1936, Serial No. 68,146
In Great Britain July 23, 1935
5 Claims. (Cl. 261—121)



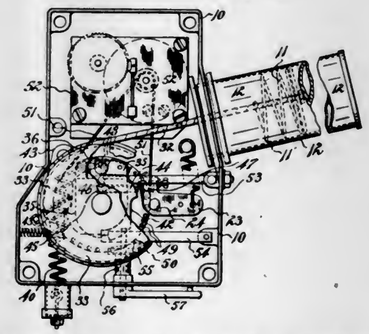
1. Means for aerating fluids, comprising a container, for the fluid to be aerated, a removable plate at the bottom of the container, which plate has narrow slits therein through which air is injected, a wire or like gauze member sealing the bottom of the slits to prevent escape of fluid through the said narrow slits, and a supporting grate or member on the underside of the gauze member.

2,076,980
FILTERING METHOD
Charles Cooper, Boston, Mass., assignor to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application March 13, 1935, Serial No. 10,836
2 Claims. (Cl. 210—204)



1. The method of filtering milk and similar fluids which comprises conducting fluid from a supply to a receiver, interposing in the path of movement of the fluid a multitude of long yarn fibres protruding from a fabric surface and forming a continuation of the fibres constituting the yarns of the fabric, the tips of the fibres of the nap being deflected toward the plane of the fabric and intermeshed with each other and closely matted together whereby to secure the body portions of the nap fibres in a matted condition and to restrain displacement of the fibres during passage of the fluid therethrough.

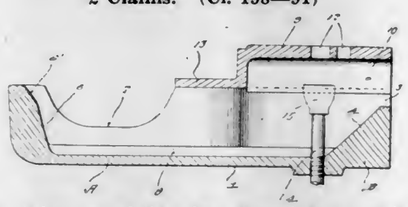
2,076,981
CIRCUIT BREAKER
Robert Alan Crook, Killara, near Sydney, Australia
Application March 28, 1934, Serial No. 717,848
In Australia April 4, 1933
2 Claims. (Cl. 200—89)



1. Mechanism for automatically reclosing circuit breakers of the "free handle" type having a spindle, comprising a casing; means on said casing whereby the latter is supported on or adjacent to the front wall of a circuit breaker; mechanism in said casing including a compressible spring; a spindle mounted coaxially with the spindle of the circuit breaker whereon the "free handle" normally is secured, a pulley fast on said co-axially mounted spindle, a rope wound around said pulley whereby the said spring may be compressed; a handle exteriorly of the aforesaid casing and mounted on the spindle carrying the said pulley to enable the latter to be rotated to compress said spring; clutch mechanism in said casing including a ratchet wheel fast on the spindle carrying the said pulley, a member with

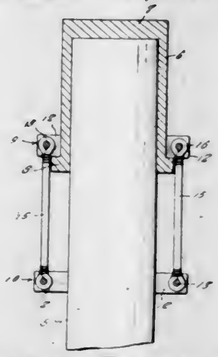
a radially disposed slot and which fits onto the aforesaid spindle of the circuit breaker, and a holding pin in said slot engaging the said ratchet wheel; a detent for said ratchet wheel designed to retain temporarily energy imparted to the said spring; an indicator spindle; releasing means actuated automatically by said indicator spindle and serving to disengage the said pin from the said ratchet wheel on the opening of the circuit breaker; and time delay mechanism operated by the aforesaid spindle of the circuit breaker, whereby operation of the said reclosing mechanism is delayed until the said detent has been disengaged.

2,076,982
OIL BURNER
William A. Dickinson, Burlington, Colo.
Application March 7, 1935, Serial No. 9,878
Renewed July 7, 1936
2 Claims. (Cl. 158—91)



1. A burner of the class described comprising an elongated pan-shaped body, a cap resting on the rear portion of the body and forming with said portion a chamber, the rear wall of said chamber having an opening in its top part for the admission of air, an oil supply pipe extending upwardly into the chamber and having a cup at its upper end, the side walls of the pan-shaped member in front of the cap having recesses therein, and substantially wedge-shaped vertically arranged opposed ribs extending inwardly from the side walls of the pan-shaped member at the front part of the chamber tending to converge the mixture of oil vapors and air discharged from the chamber in order to facilitate a more thorough mixing.

2,076,983
PILE DRIVING CAP
James M. Dolan, Elizabethtown, N. C.
Application April 27, 1936, Serial No. 76,687
2 Claims. (Cl. 61—77)



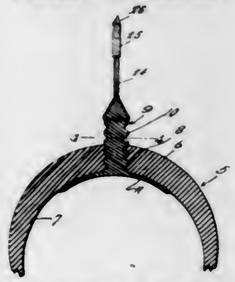
1. A cap for piling comprising an inverted cup-shaped member provided with a laterally extending flange at its lower portion, a pair of clamp members, one of said clamp members being adapted to clamp against the piling, the other clamp member being adapted to clamp around the cup-shaped member and on top of said flange, and tie members between the said clamp members.

2,076,984
INTENSIFYING AND FLUORESCENT SCREEN
John Eggert, Leipzig-Gohlis, and Fritz Luft, Leipzig, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application March 8, 1934, Serial No. 714,729
In Germany March 15, 1933
4 Claims. (Cl. 250—34)



1. An intensifying or fluorescent screen for X-ray work which comprises a layer containing a fluorescent material and a filter layer containing a dye permeable for the fluorescent light produced on excitation of said fluorescent material and absorbing the phosphorescent light.

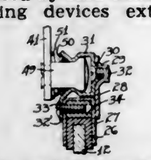
2,076,985
TIRE CASING PLUG
Fred Elliott, Big Rapids, Mich.
Application April 23, 1935, Serial No. 17,843
Renewed February 6, 1937
1 Claim. (Cl. 152—26)



A plug for repairing holes in tire casings comprising a base to engage the interior side of the casing and a neck extending from the base and projecting through and in engagement with the size of the holes to be repaired, said neck at its outer end being provided with an outwardly tapering portion, said neck adjacent the outwardly tapering portion being provided with diametrically extending bores, wire members disposed through the bores and along the tapered surface of the tapered portion of the neck, said wires being twisted together so that the twisted portion binds against the extremity of said tapered portion, and a pointed body to which the outer ends of the wires are attached.

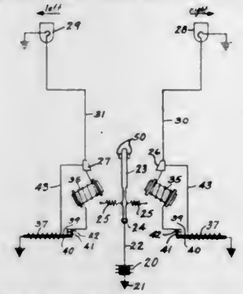
2,076,986
REGULATOR MECHANISM FOR WINDOWS OF RAILWAY CARS AND THE LIKE
Burton S. Floraday, Toledo, Ohio, assignor to Dura Company, Toledo, Ohio, a corporation of Ohio
Application March 23, 1935, Serial No. 12,592
4 Claims. (Cl. 268—126)

1. In a device of the class described, a unitary regulator assembly having a swinging arm, a retainer having an elongate guide to receive an end portion of said arm, a channel member secured to an edge portion of the window, a portion of said retainer overlapping said channel member, a holding member carried by said channel member, detachable fastening devices extending through



said overlapping portions engaging said holding means which secure the parts together, a strip secured to said channel member and overlapping said retainer member, and detachable means securing said strip and retainer member together.

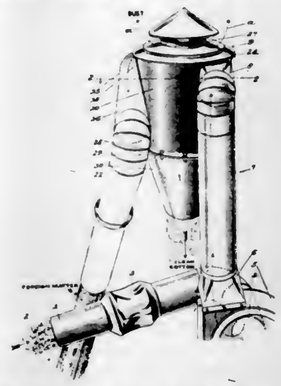
2,076,987
SIGNAL SYSTEM
William Correll Edwards, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 25, 1934, Serial No. 727,476
3 Claims. (Cl. 177—339)



1. In a self interrupting signal circuit for automotive vehicles, the combination comprising; a current source; a stationary terminal; a movable contact connected with the current source and normally out of engagement with the terminal; a signal lamp circuit, an electromagnetic circuit, and a cancelling circuit including electro-thermal means, each of said circuits connected in parallel with the stationary terminal and having a common return to the source, said electromagnetic circuit including an electromagnet positioned so as to hold said movable contact in engagement with the stationary terminal when energized and a pair of normally engaged contacts, one of said contacts being supported by the thermal means and separable thereby from the other contact on a rise in temperature; and manual means for actuating the movable contact into engagement with the stationary terminal to connect the parallel circuits with the source whereby said electromagnet will hold the movable contact in engagement with the stationary terminal until the thermal means operates to separate the pair of contacts whereupon the electromagnet will become deenergized causing the movable contact to return to its normal position and the parallel circuits to be disconnected from the source.

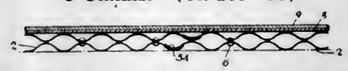
2,076,988
COTTON CLEANER
Wilbur M. Garrett, Anadarko, Okla.
Application March 24, 1936, Serial No. 70,653
1 Claim. (Cl. 19—72)

A cotton cleaner comprising an outer casing having an opening, a semi-circular screen fitted in said opening to complete said casing, a cotton inlet at the substantial top of the outer casing and disposed tangentially with respect thereto, a covering wall confronting the screen defining part of a helix which begins substantially at the inlet, bottom and top portions between said wall and the outer casing defining a trash passage,



said passage merging into a trash outlet, a roof for the outer casing having a hooded dust outlet, an inner casing pendent from the roof and concentric with the outer casing to define a space for the circulation of cotton, and a discharge funnel pendent from the outer casing and in direct communication with said space.

2,076,989
BUILDING CONSTRUCTION UNIT
Fred M. Harpham, Akron, Ohio; Harry E. Andres and Gertrude R. Harpham, executors of said Harpham, deceased, assignors to The Akers and Harpham Company, Akron, Ohio, a corporation of Ohio
Application March 20, 1928, Serial No. 263,015
Renewed February 2, 1935
9 Claims. (Cl. 108—13)

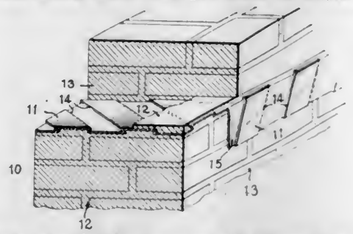


7. A building construction unit, comprising: a pair of sheets secured together in superposed relation and diagonally displaced relative to one another and each having a series of alternately arranged elevated and depressed portions, said sheets being adapted to overlap the sheets of an adjacent unit with the depressions therein disposed within the depressions in the sheets of said adjacent unit and with one of said sheets extending between the sheets of said adjacent unit, thus to effect an interlocking engagement between said units for yieldably preventing the displacement thereof in vertical and lateral directions.

2,076,990
FLASHING
Henry W. Harriss, Baltimore, Md., assignor, by mesne assignments, to The Cheney Company, Winchester, Mass., a corporation of Massachusetts
Application August 18, 1932, Serial No. 629,380
13 Claims. (Cl. 72—127)

1. A through-wall flashing for masonry construction comprising a metal sheet of desired width to extend substantially through a masonry

wall and be imbedded in a mortar joint thereof, said sheet being provided with a plurality of dovetail shaped rib and groove sections obliquely disposed with reference to the marginal edges of the sheet, the oblique disposition of the rib sections being such that portions of adjacent rib



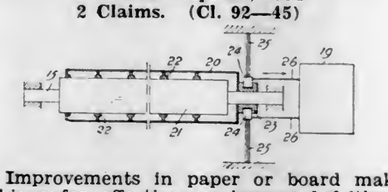
sections are in transverse alignment providing areas of mortar throughout the length of the sheet are confined between transversely aligned rib sections whereby to effectively bond the adjacent courses of masonry together against movement in all directions.

2,076,991

METHOD OF ATTAINING IMPROVED FELTING OF THE FIBERS IN PAPER PULP ON THE WET PART OF PAPER AND BOARD MAKING MACHINES

Sigbjörn Paul Herbert Ebbinghaus Holgersson, Storvik, and William Anders Eugen Tibell, Molndal, Sweden

Application April 4, 1935, Serial No. 14,718
In Sweden April 7, 1934
2 Claims. (Cl. 92—45)



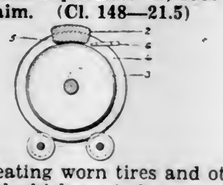
2. Improvements in paper or board making machines for effecting an improved felting of the fibers in the pulp, comprising in combination an endless wire cloth, breast rolls and table rolls for supporting the same, means for imparting longitudinal motion to said wire cloth, a stuff box, an apron between the stuff box and the wire cloth, the said rolls being provided with a fixed core and a rotatable shell, and alternating-current vibrators connected with said shell and adapted to impart to the same high frequency vibrations, at least 1000 per minute.

2,076,992

METHOD FOR HEAT TREATMENT OF WORN TIRES AND OTHER ROLLING BODIES OF STEEL

Axel Gustaf Emanuel Hultgren, Stockholm, Sweden

Application May 28, 1935, Serial No. 23,917
In Sweden September 12, 1933
1 Claim. (Cl. 148—21.5)



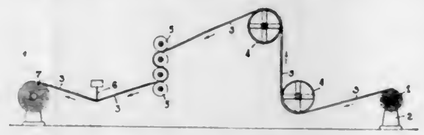
Method for treating worn tires and other rolling bodies of steel which are to be returned, comprising subjecting the material of the tread of the body, without heating the whole body, to a heating treatment with subsequent cooling without quenching, the heating being effected at such a temperature that hardened worn spots are softened, thereby enabling the tread to be turned without difficulty, the method being distinguished by effecting the heating by a flame directed against the tread in a plane at right angles to the axis of the body and passing through a channel formed between a circumferential part of the tread and a refractory cap enclosing the said part, the rolling body being rotated and the part of the tread, which is inside the cap, being thereby caused to move towards the hottest part of the flame, so that the tread will be pre-heated before reaching said part of the flame.

2,076,993

DECORATIVE SHEET AND PROCESS OF PREPARING THE SAME

James J. Jackson, Woodbury, N. J., assignor to Paulsboro Manufacturing Company, Paulsboro, N. J., a corporation of New Jersey

Application February 10, 1934, Serial No. 710,739
12 Claims. (Cl. 91—68)



1. The process of preparing a decorative sheet which comprises applying decorations substantially throughout the thickness of a fibrous felted paper sheet, roughening one surface of said sheet to form ridges thereon by subjecting the surface to a scraping treatment whereby fibers are pulled up into ridges, this sequence being recurrent as applied to successive parts of the sheet surface and the result being a series of ridges, impregnating the resultant sheet with a toughening saturant, and treating said roughened surface to raise a nap thereon.

2,076,994

SOUND ABSORBING MATERIAL

Fred R. Kanengeiser, Portsmouth, Ohio

Application November 1, 1934, Serial No. 751,021
3 Claims. (Cl. 72—18)



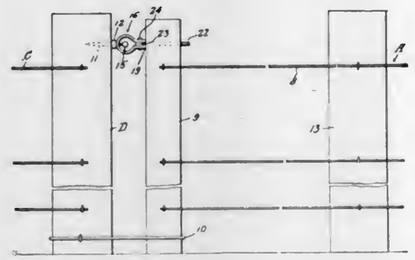
1. A molded wall unit for acoustical regulation comprising a porous base formed from a plastic molded composition of small uniformly sized crushed mineral particles united by a cementitious binder and having formed therein a multitude of interstitial passages or voids between the mineral particles, and a facing layer having a smooth exterior surface integrally bonded on its inner side with said base, said facing layer being composed of sand and cement and having molded therein a large number of relatively spaced transversely extending openings for the transmission of extraneous sound to the sound absorbing voids and interstices of said base.

2,076,995

FARM GATE

James W. Kayser, Riverton, Wyo., assignor of one-fourth to J. W. Lavery and one-fourth to William S. Neill, both of Riverton, Wyo.

Application April 18, 1936, Serial No. 75,185
6 Claims. (Cl. 39—74)



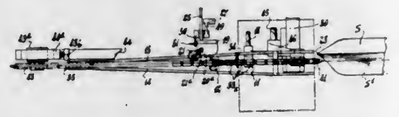
1. In a structure of the class described, a fence post, a substantially universally mounted coupling member attached to the upper end of the fence post, a latch having a slotted hooked end pivotally attached to said coupling and adapted to embrace a gate post.

2,076,996

SHEET FEED DEVICE

Oscar Kleinschmit and Walter Geissler, Leipzig-Plagwitz, Germany, assignors to Gebruder Brehmer, Leipzig-Plagwitz, Germany, a limited partnership of Germany

Application May 9, 1934, Serial No. 724,815
In Germany May 16, 1933
19 Claims. (Cl. 112—21)



1. A sheet feed device for use in a book-stitching machine having a pivotal sheet carrier or stitching saddle which is arranged to assume alternately a stitching position and a sheet laying-on position, comprising a travelling sheet conveyor contiguous with the laying-on position of the stitching saddle, and an auxiliary sheet-displacing member arranged to transfer the sheets from said sheet conveyor to said saddle.

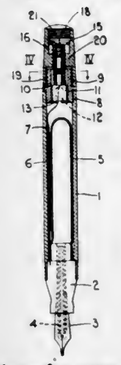
2,076,997

FOUNTAIN PEN

William Livsey, Liverpool, England

Application June 11, 1936, Serial No. 84,752
In Great Britain July 1, 1935
6 Claims. (Cl. 120—46)

1. Mechanism for actuating the spring presser bar in a self-filling fountain pen comprising a flanged cylindrical plug adapted to be screwed into the rear end of the barrel and a split or slotted plunger slidable in such plug and restrained against rotation therein by a cross member on the plug traversing the slot, the outer extremity of the plunger being screw-threaded to



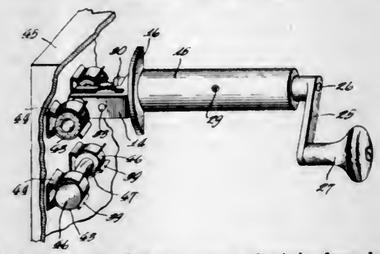
mount a finger piece for operation of the plunger to actuate the presser bar and fill the pen.

2,076,998

CLEANING APPARATUS

Earl H. Martindale, Lakewood, and Lucien F. Forseille, Cincinnati, Ohio, assignors to Martindale Electric Company, Cleveland, Ohio, a corporation of Ohio

Application September 19, 1933, Serial No. 690,062
8 Claims. (Cl. 51—170)



6. Apparatus for cleaning electric fuse holders comprising: a cleaning element engageable with a fuse holder; carrying means for carrying said cleaning element; elongated supporting means, for supporting said carrying means, so constructed and arranged that said cleaning element is supported laterally from and for operative movement relative to said supporting means; means, carried by said supporting means and operatively related to said carrying means, constructed and arranged to impart operative movement to said cleaning element; and protecting means for protecting a user of said apparatus from electric shock in applying said apparatus to and in using it in cleaning fuse holders, including an insulated hand grip portion on said elongated supporting means, and including also means for preventing the hand of a user, grasping said hand grip portion, from slipping off of said hand grip portion toward said cleaning element thereby to prevent engagement of the hand of a user with an exposed fuse holder.

2,076,999

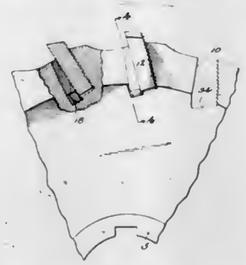
INSERTED BLADE CUTTER

Frank P. Miller, Meadville, Pa.

Application April 19, 1935, Serial No. 17,359
2 Claims. (Cl. 29—105)

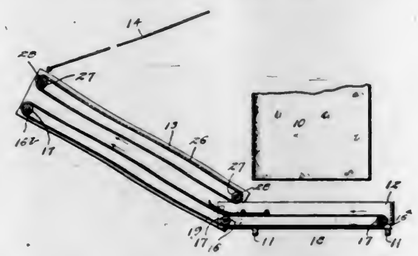
1. In an inserted blade cutter, a body having a slot provided with front, back and bottom walls,

a wedge in the slot and positioned at the front wall thereof, a key in said slot beneath and in pressure relation to the wedge, a blade in said slot and located between the wedge and the back wall of the slot, there being means for the outward adjustment of the blade away from the bottom wall of the slot to a point beyond said key, the bottom wall of the slot being formed with a shoulder running lengthwise of the key and engaging the blade side of the key at a point be-



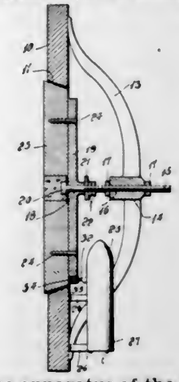
tween the said front and back walls of the slot and positioned in opposed relation to the front wall of the slot and inhibiting lateral shifting of the key out of supporting relation to the wedge and to a position beneath the blade after the blade has been adjusted outward to a position where a space of a size sufficient to receive a portion of the key is left between the blade and the bottom wall of the slot.

2,077,000
STRAW SAVING ATTACHMENT
Frank X. Miller, Macksville, Kans.
Application February 27, 1936, Serial No. 66,091
1 Claim. (Cl. 198—165)



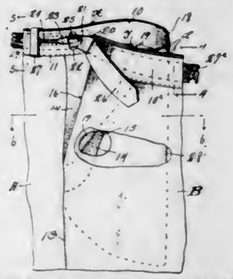
A device of the class described comprising a frame, rollers mounted by said frame, a straw receiving and discharge belt traversing said rollers, a driving means for one of the rollers, means operating to drive one of said rollers from said first mentioned driving means, inclined side members rising from said frame and pivoted thereto by means of one of said rollers, a roller mounted by said side member over which said conveyor is trained, a conveyor coacting with the first mentioned conveyor, rollers on the side members over which the latter conveyor travels, chain and sprocket means to drive one of the latter rollers from one of the first mentioned rollers, an element slidably mounted on one of the inclined side members, a sprocket wheel carried by said element over which said sprocket chain is trained, and spring means urging the sliding movement of said element to tighten the chain.

2,077,001
ROTO DART GAME
Leon E. Moss and Paul M. Titus, Paulsboro, N. J., assignors of one-fourth to W. Clayton Apgar, Woodbury, N. J., and one-fourth to Max Glickman, Paulsboro, N. J.
Application June 10, 1936, Serial No. 84,544
6 Claims. (Cl. 273—102)



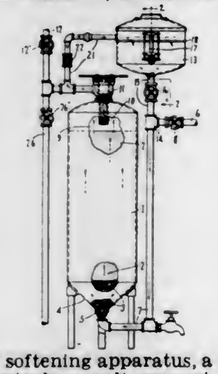
1. A dart game apparatus of the class described comprising a board having an opening therethrough, a bracket thereon crossing the opening, means in said opening at which a dart is adapted to be thrown, means on the bracket journaling the first-mentioned means, and means on the board operable to rotate the first-mentioned means.

2,077,002
ADJUSTABLE WAIST BAND FOR TROUSERS
Sidney S. Moyer and Henry S. Moyer, Youngstown, Ohio
Application September 24, 1936, Serial No. 102,407
5 Claims. (Cl. 2—237)



1. A pair of trousers, including a front section and a rear section stitched to each other from the lower end of the trouser leg to a point spaced from the upper edge but unstitched from each other above this point to leave a pocket opening; each of said sections having waistband sections stitched thereto, the waistband of the rear section extending across the pocket opening to the rear portion of the front section of the trousers, this portion of the rear waistband section being folded upon itself and extending rearward to the inner face of said front section of the waistband and being stitched thereto at its margins and terminating in a rearwardly directed tab, the front section of the waistband being extended over and being stitched to the re-folded portion of the rear waistband section; a lining strip stitched at its upper and lower margins to the inner faces of the front and rear sections of the waistband and extending directly forward away from the rear section to the junction of the rear section of the waistband with the trousers and then extending along the front section, coacting fastening means attached to the rear end of the tab and to the rear section of the waistband, the fastening means being adjustable with relation to each other, a tape section of non-stretchable material disposed beneath the lining of the rear waistband section and terminating at the forward end of the fastening device attached to the rear section; and a forward tape section of non-stretchable material disposed beneath the lining of the forward waistband section and extending rearward into said tab.

2,077,003
WATER SOFTENING APPARATUS
John H. Nash, Dayton, Ohio
Application February 21, 1936, Serial No. 65,098
1 Claim. (Cl. 210—24)



In a water softening apparatus, a mineral tank, a brine receptacle, a salt support in said brine receptacle, a pipe leading from the lower end of said brine receptacle to the lower end of said mineral tank, a service pipe connected with said first mentioned pipe, a valve for controlling the same, a valve in said first mentioned pipe between the brine receptacle and said service pipe, a house pipe leading from the upper end of said mineral tank, a valve for controlling the same, a drain pipe connected with said house pipe, a valve for controlling the same, and a pipe leading from said house pipe to said brine receptacle and entering the same above said salt support, said last mentioned pipe being located between the mineral tank and the drain pipe and the valve which controls the house pipe.

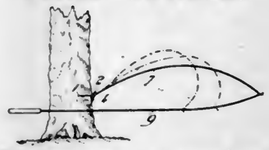
2,077,004
SURFACE COVERING AND METHOD OF MAKING SAME
Philip H. Pennell and Charles H. Draper, Mannheim Township, Lancaster County, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application October 3, 1931, Serial No. 566,816
3 Claims. (Cl. 91—67.9)

1. A surface covering material comprising an absorbent felt web and pigmented waterproof materials carried by said web in design relation throughout substantially its entire area extending thereinto and filling the voids therein, said materials each including an oil preoxidized to the point where a substantially solid gel results at a temperature of about 70° F. and collectively constituting a waterproofing, protecting and decorative medium for said web.

2,077,005
PRODUCTION OF SULPHATE ESTERS OF 2-BUTYLOCTANOL
Granville A. Perkins and Walter J. Toussaint, South Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application February 14, 1934, Serial No. 711,220
13 Claims. (Cl. 260—99.12)

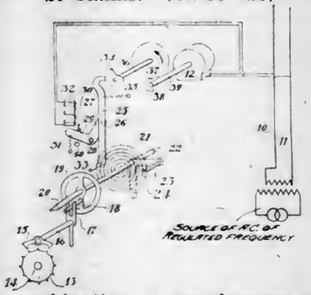
1. As a chemical compound, the acid sulphate ester of 2-n butyloctanol-1, the same being an oily liquid having acid properties and being sparingly soluble in water, but soluble in ethyl ether and ethyl alcohol.

2,077,006
TREE FELLING APPARATUS
Carl Fredrik Persson, Grangarde, Sweden
Application May 7, 1936, Serial No. 78,502
In Sweden April 29, 1935
1 Claim. (Cl. 143—62)



Tree felling apparatus comprising a holding device arranged for being secured to a tree trunk and a leaf spring extending from said device and adapted to engage with the free end of a saw blade for the purpose of actuating the same, said holding device consisting of a cross bar, claw-like tongs legs pivoted thereon in a substantially horizontal plane for gripping the tree between them and upright standards which form a fixed angle with the plane of action of the tongs legs and adapted to bear against the tree by means of their lower ends and to form in this way supports for the holding device, said leaf-spring being removably secured in a slot formed in said cross bar.

2,077,007
ELECTRIC CLOCK
Arthur F. Poole, Ithaca, N. Y.; Maryline B. Poole, administratrix of said Arthur F. Poole, deceased, assignor to Maryline B. Poole, Ithaca, N. Y.
Application November 4, 1930, Serial No. 493,312
20 Claims. (Cl. 58—26)



1. In combination, a synchronous motor, a vibrating member operating at a rate slightly slower than the rate desired, elastic means affecting the time of vibration of said member, and means operated by said motor at each vibration of said member and acting on said elastic means throughout substantially the full movement of

said member in one direction to increase momentarily the rate of said member and bring it into phase with said motor.

3. In combination, a synchronous motor, a vibrating member, elastic means affecting the time of vibration of said member, a floating lever governed by said motor and operating on said elastic means at each vibration thereof to bring said member in phase with said motor, and means for shifting said lever into and out of operative positions with respect to said elastic means.

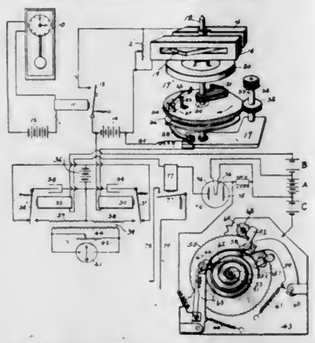
12. In combination, an oscillating balance wheel, a hair spring controlling the operation of said balance wheel, a source of periodic current, and means controlled by said current, normally free of engagement with said hair spring when said balance wheel is oscillating with a frequency bearing a desired relation to the periodicity of said current, but engageable with said hair spring to change its natural period whenever said balance wheel departs from said frequency.

2,077,008

APPARATUS FOR TIMING BALANCES

Arthur F. Poole, Ithaca, N. Y.; Maryline B. Poole, administratrix of said Arthur F. Poole, deceased, assignor to Maryline B. Poole, Ithaca, N. Y.

Application November 19, 1932, Serial No. 643,489
14 Claims. (Cl. 73—51)



1. In a device for testing balances, means operated by the balance to produce periodic electric impulses, a condenser, means to charge and discharge said condenser in step with said impulses, a standard source of electric impulses, a second condenser, means to charge and discharge said second condenser in step with said standard impulses, and means to detect a time interval between the discharge of said condensers.

2,077,009

RESIN PRODUCTION

Joseph Rivkin, Pittsburgh, Pa., assignor to The Neville Company, a corporation of Pennsylvania

No Drawing. Application December 9, 1935, Serial No. 53,514
8 Claims. (Cl. 260—7)

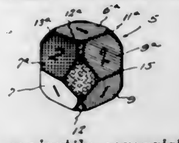
4. In a process of producing a modified resin having solubility in alcohol the herein disclosed steps of including with crude solvent naphtha containing preponderantly coumarone and indene as its polymerizable reactives a phenolic substance in quantity of the latter adequate as involved in resin-forming reactions with the polymerizable reactives of the crude solvent naphtha to impart to the resultant resin the quality of solubility in alcohol, and effecting resin-forming reactions involving the reactives of the crude solvent naphtha and the phenolic substance by the catalytic action of activated clay in sufficient quantity to promote the reactions under suitable conditions of agitation and temperature.

2,077,010

CHANCE DEVICE

John F. Robertson, Beaumont, Tex.

Application June 1, 1936, Serial No. 82,965
3 Claims. (Cl. 273—146)



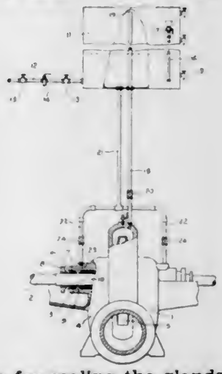
1. A surface projectile comprising a polygonal body having a pair of diametrically opposed substantially square facets and a plurality of adjacent irregular shaped facets between and separating the square facets, all of said facets being colored and marked with significant characters and said irregular shaped facets being smaller in area than the square facets and relatively being of nonuniform size and shape so distributed about the periphery of the body that when the body is at rest on one facet another facet will be uppermost, said body having diametrically opposed and concentric part-spherical portions adjacent the corners of the square facets and extending inwardly between adjacent irregular facets to facilitate rolling of the body.

2,077,011

PUMP SEALING SYSTEM

Wallace Sinclair Robinson, Vancouver, British Columbia, Canada

Application June 11, 1935, Serial No. 26,056
1 Claim. (Cl. 103—111)



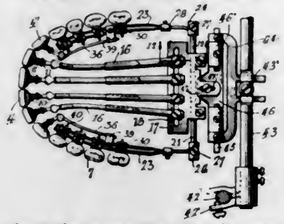
Apparatus for sealing the glands of a centrifugal pump against leakage through said glands of the liquid pumped comprising packing loosely packed about the shaft of the pump in the bearings, a sealed tank disposed above the pump, means for continuously supplying a sealing fluid to the tank, a pipe communicating with the casing of the pump and extending into the tank and terminating adjacent the top thereof for delivering some of the liquid pumped directly onto the top of the sealing fluid under the discharge pressure of the pump, a discharge pipe for delivering sealing fluid from the tank to the packing in the glands under pressure greater than that developed in the pump, said sealing fluid being adapted to circulate through and out of the packing, and means through which the flow of the sealing fluid to the tank may be regulated substantially to compensate for the leakage of sealing fluid out of the glands.

2,077,012

MEANS FOR BUILDING DENTURES

Karl Ross, Montreal, Quebec, Canada

Application February 14, 1935, Serial No. 6,437
15 Claims. (Cl. 32—32)



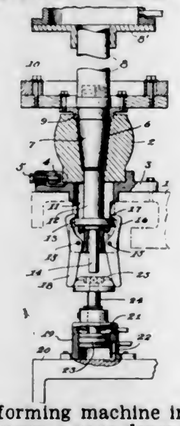
1. In a dental apparatus, track members, supports mounted in said members and individually adjustable therein, each support including a pair of lugs slidable relatively to each other, and a stem passed through each pair of lugs and adapted for the mounting of a tooth thereon.

2,077,013

GLASS FORMING MACHINE

William R. Ruck, Clarksburg, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia

Application February 17, 1936, Serial No. 64,385
11 Claims. (Cl. 49—35)



9. A glass forming machine including a mold, a pressing plunger, a cage depending beneath the mold, a valve arranged in the bottom of the mold and mounted for vertical sliding movement in the cage, levers pivotally mounted adjacent the valve, fingers provided on the upper ends of said levers, and a wedge for engaging the lower portions of the levers to force the fingers into locking position with respect to the valve.

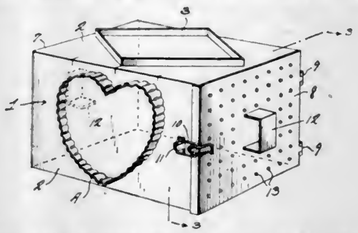
2,077,014

CULINARY DEVICE

Mary Evelynne Samuel, Martins Ferry, Ohio

Application December 10, 1935, Serial No. 53,798
1 Claim. (Cl. 209—236)

A culinary device, comprising a receptacle, a top hingedly attached to the body of the receptacle and closing one side, said top having a plurality of apertures therein, a pair of guides disposed in spaced parallel relation on and secured to the top adjacent opposite sides thereof and in spaced relation therewith, and a frame member having side portions slidably engaged



between said guides and the top and having a plurality of transverse flat bars lying against the underside of the top, said frame being of a size to have limited sliding movement beneath the top on said guides whereby said bars may be arranged to cover and close or uncover said apertures.

2,077,015

PAPER MAKING PROCESS

Elmer C. Schacht, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts

Application October 27, 1932, Serial No. 639,905
7 Claims. (Cl. 92—21)



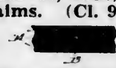
5. Artificial leather comprising a paper-like web of comminuted separator and fibres permeated with a binder, and a smooth substantially flexible coating on one surface of the web.

2,077,016

PAPER

Elmer C. Schacht, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts

Application October 27, 1932, Serial No. 639,907
8 Claims. (Cl. 92—21)



4. Sheet material comprising a laminated paper-like web having the laminae thereof felted together into a substantially integral structure, rubber-like binder material in the laminae of said web, one of said laminae having a greater percentage of binder than another thereof and the binders being of respectively different types whereby to provide laminae of different characteristics.

2,077,017

PAPER

Elmer C. Schacht, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts

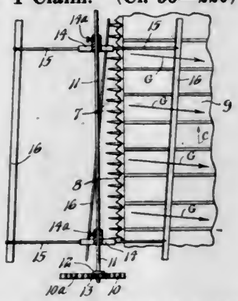
Application October 27, 1932, Serial No. 639,906
8 Claims. (Cl. 92—21)



5. Sheet material comprising a laminated paper-like web having the laminae thereof felted together into a substantially integral structure, resinous binder material in the laminae of said web, one of said laminae having a greater per-

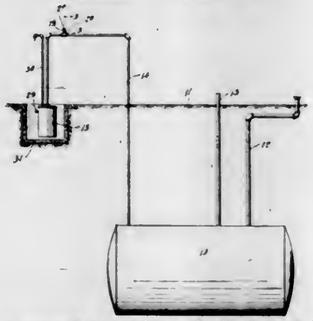
centage of binder than another thereof and the binders being of respectively different types whereby to provide laminae of different characteristics.

2,077,018
APPARATUS FOR CUTTING AND ELEVATING GRAIN
Paul Schewe, Fairfax, Minn.
Application May 6, 1935, Serial No. 19,983
1 Claim. (Cl. 56—220)



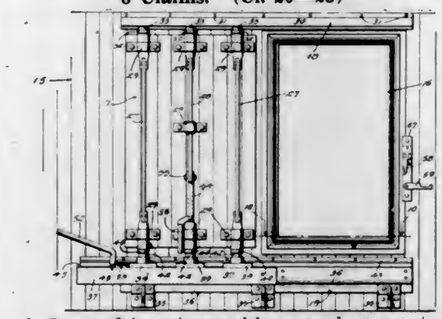
In a grain binder having a sickle and a horizontal conveyor at the rear of said sickle, a reel structure above said sickle comprising a reel shaft, a pair of hubs mounted on said shaft adjacent respective ends thereof, radial slat supporting arms mounted on each of said hubs, a series of slats, each slat being attached at its respective ends to corresponding arms of said hubs, the one of said hubs adjacent the delivery end of said conveyor and the arms carried thereby being angularly advanced in the direction of rotation of said reel relative to the other hub and the arms carried thereby so as to skew each of said slats relative to lines parallel to the axis of said shaft whereby said reel will impart a component of movement to the heads of grain acted upon thereby in a direction opposite to the direction of movement of said conveyor, and releasable means securing one of said hubs against rotation on said shaft whereby said hub may be set in various positions on said shaft to set said slats to various degrees of skew.

2,077,019
SALVAGING FUEL VAPOR
William J. Schlicht, Jr., Milwaukee, Wis.
Application July 6, 1933, Serial No. 679,262
Renewed December 10, 1936
4 Claims. (Cl. 220—85)



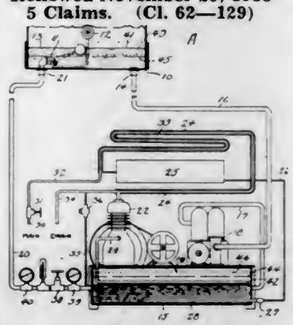
1. In combination with a fuel storage tank and a pipe through which vapor passes therefrom, a valve in said pipe to open through the action of the vacuum therein, a tank to which said pipe leads, a solution of calcium chloride in the last mentioned tank into which gases are liberated to create a back pressure to condense fumes to prevent their escape from the storage tank.

2,077,020
REFRIGERATOR AND BOXCAR DOOR CONSTRUCTION
Luke Scrivanich, Lyndhurst, N. J.
Application August 10, 1936, Serial No. 95,241
8 Claims. (Cl. 20—23)



1. In a refrigerator and box car door construction, a car body having a door opening, a door for closing said opening, longitudinally extending upper and lower guide tracks, means connecting the door to the tracks and constructed and arranged whereby the door may swing outwardly of the door opening and slide along the tracks, and means for holding the door against movement when in open position including cooperating latch mechanism carried by the door and car.

2,077,021
AIR CONDITIONING APPARATUS
Robert L. Sites, South Orange, N. J., assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill., a corporation of Delaware
Application July 6, 1933, Serial No. 679,191
Renewed November 29, 1935
5 Claims. (Cl. 62—129)



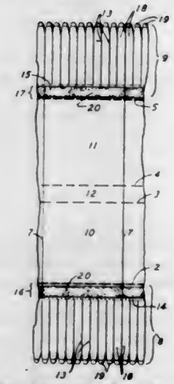
4. An air conditioning apparatus comprising a refrigerating mechanism including a water cooled condenser, means to cool water by said mechanism, an air cooling device located some distance from said mechanism, means to circulate cold water from said means to the air cooling device and to circulate return water and condensate from the cooled air from the air cooling device to the water cooling means, and power means for ejecting from the apparatus with the water from said condenser an amount of water equivalent to said condensate.

2,077,022
APPARATUS FOR THE CONTROLLED PLACEMENT OF FLUID IN WELLS
Meredith Spencer, Whittier, and Joseph R. Beauchamp, Pico, Calif., assignors to O. P. Yowell Service Company, a corporation of California
Application June 22, 1936, Serial No. 86,620
20 Claims. (Cl. 166—20)



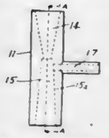
1. An apparatus for cleaning perforated pipe and the like embodying: packing means adapted to engage the interior of said pipe and form a confined space therein; a tubular member supporting said packing means and having open communication with said confined space; a fluid delivery pipe having a flow control chamber at its lower end telescopically connected to said tubular member; and a valve in the top of said control chamber adapted to be opened by engagement with the top of said tubular member when said telescoping connection is collapsed.

2,077,023
MATCH BOOKLET
Henry Spira, New York, N. Y.
Application December 8, 1934, Serial No. 756,584
11 Claims. (Cl. 206—29)



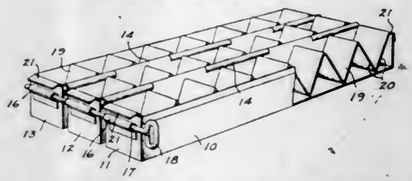
1. A match booklet made of one piece of pliable inflammable material comprising two side covers, two side portions cut into matches connected at their roots, a fold between each side portion and adjacent side cover, tabs integral with the side portions between the roots of the matches and the folds, said tabs being provided with igniting surfaces facing one another when the booklet is closed; means for fastening each tab to the adjacent side cover, and means for locking the booklet in its closed state, said locking means being integral with the material of the booklet, and at least a portion of one of said tabs being a part of said locking means.

2,077,024
SUCTION DEVICE
James Harmon Tanner, Kirribilli, near Sydney, and William Francis Tanner, Fivedock, near Sydney, Australia
Application September 11, 1935, Serial No. 40,098
In Australia September 12, 1934
1 Claim. (Cl. 103—262)



An aspirator having a water inlet and a water outlet, a tubular member between the inlet and the outlet comprising an inlet section and an outlet section, said inlet section being flared inwardly and downwardly and said outlet section being flared outwardly and downwardly, the taper of said flared inlet section being greater than the taper of the outlet section, the relative tapers of the two sections causing a fluid passing from said inlet section to said outlet section to impinge upon said outlet section, the bore of the outlet section being greater than the bore of the inlet section at the junction of said sections, said junction being free from obstructions which will deflect the flow of the fluid passing therethrough, and an air inlet in said outlet section positioned above that portion upon which a fluid passing from the inlet section to the outlet section will impinge.

2,077,025
REFRIGERATING APPARATUS
Norman M. Thomas, Brooklyn, N. Y.
Application January 17, 1934, Serial No. 706,951
7 Claims. (Cl. 62—108.5)

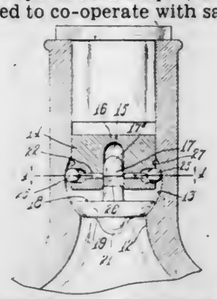


1. A freezing receptacle for mechanical refrigerators comprising a tray, formed of a plurality of sections hinged to each other longitudinally of the tray and means for maintaining the sections in a line during the freezing operation, said means comprising a loop member attached to each section of the tray and a pin removably inserted through said loops.

2,077,026
NONREFILLABLE BOTTLE
Harold H. Thornton, Brooklyn, N. Y.
Application September 13, 1935, Serial No. 40,453
7 Claims. (Cl. 215—21)

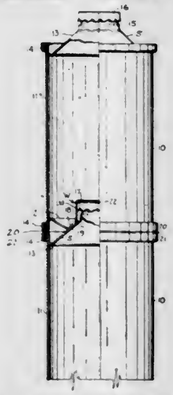
1. In combination with a bottle neck having an internal peripherial recess and a valve seat, a

keeper adapted to be inserted in said bottle neck, fluid passageways in said keeper, a valve on said keeper adapted to co-operate with said valve seat,



and valve actuated means mounted in said keeper adapted to engage in said recess to retain the assembly in place.

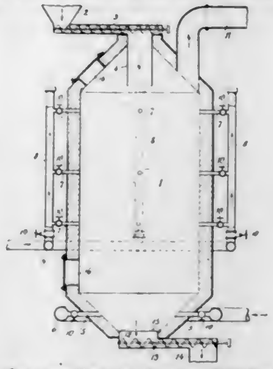
2,077,027
CONTAINER
Joaquin Vincent Torras, Staten Island, N. Y.
Application December 31, 1935, Serial No. 56,933
2 Claims. (Cl. 220—97)



1. A container comprising a wall having top and bottom attached thereto by seamed joints extending inwardly of the extreme ends of said wall providing end rims thereon, the top rising in frustro-conical shape from its seamed juncture with the wall, and the bottom having an inverted conical portion extending from the seamed joint and terminating in an upwardly extending conical portion complementary with the frustro-conical top to fit on the top of a similar container stacked therewith.

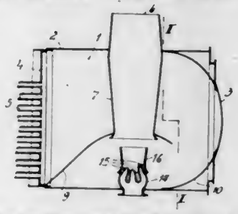
2,077,028
RECOVERY OF SULPHUR
Raymond F. Bacon, Bronxville, N. Y., and Wilber Judson, Newgulf, Tex.
Application November 27, 1931, Serial No. 577,582
4 Claims. (Cl. 23—226)

4. In a sulphur recovery process in which pyrites is subjected to a distilling treatment in a suitable furnace while in suspension in a countercurrently flowing stream of gas, and the iron sulphide product of the distilling treatment is subjected to the action of an oxidizing gas in the same furnace to convert the iron sulphide substantially completely to iron oxide and produce sulphur dioxide while the iron sulphide is in suspension in the oxidizing gas, the improvement which comprises introducing a diluent gas endothermically reactive with the pyrites into that portion of the furnace wherein the feeble sulphur



atom of the pyrites is being distilled, whereby the concentration of the oxidizing gas is reduced and an increase in the amount of unoxidized feeble sulphur is obtained.

2,077,029
GAS EXHAUSTION FROM LOCOMOTIVES AND OTHER FURNACES
Karl Baschant, Berlin-Charlottenburg, Germany, assignor to "Mineralochemie" A. G. für metallurgische und chemische Produkte, Vienna, Austria
Application December 12, 1931, Serial No. 580,676
In Germany March 14, 1930
11 Claims. (Cl. 230—96)

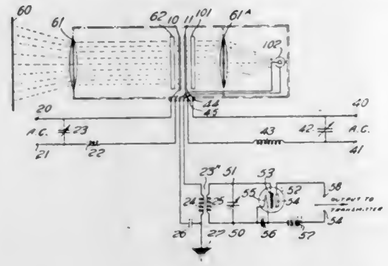


1. Gas exhausting means for the smoke boxes of locomotive and other boilers comprising a blast pipe subdivided into a plurality of branch nozzles of different length, a chimney mounted above said blast pipe and an acceleration nozzle of the de Laval type between and separated by gaps from said pipe and said chimney.

2,077,030
TELEVISION APPARATUS
Charles A. Birch-Field, Larchmont, N. Y., assignor, by mesne assignments, to Mildred S. Reisman, New York, N. Y.
Application September 11, 1929, Serial No. 391,731
20 Claims. (Cl. 178—6)

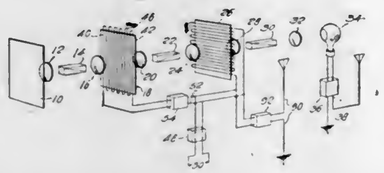
1. In a system of scanning light rays emanating from a source or object in which the total, simultaneous emanations are divided into portions of small extent, so that each portion is effective individually and in a predetermined sequence in accordance with its location transversely of the direction of the rays, apparatus for breaking up the simultaneous ray emanations into the consecutively active, individually effective portions, which includes a plurality of electrical

conductors disposed transversely of the ray emanations and associated with a by-refringent medium for the passage of the ray emanations



thereby and through the interstices between adjacent portions of the conductors, and means for causing the passage of constant frequency, pulsating currents through the conductors.

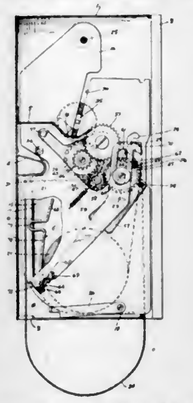
2,077,031
TELEVISION APPARATUS
Charles A. Birch-Field, Larchmont, N. Y., assignor, by mesne assignments, to Mildred S. Reisman, New York, N. Y.
Application July 24, 1931, Serial No. 552,858
16 Claims. (Cl. 178—6)



1. In a television system, the method of breaking up the light rays from a source or scene to permit illumination from small portions of such source or scene to pass in consecutive relation to a light sensitive member or to a screen, which includes the steps of: polarizing radiant energy rays from the source or scene, blotting out such polarized rays in the original plane of polarization, and electromagnetically effecting rotation of the polarization plane of successive small portions of the rays in a predetermined consecutive relation before blotting out to permit such rotated rays to pass without being blotted out.

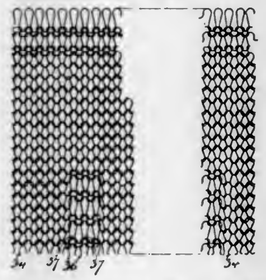
2,077,032
TOWEL DISPENSING APPARATUS
Rudolph G. Birr, Lombard, and Albert C. Grunwald, River Forest, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application February 11, 1933, Serial No. 656,282
13 Claims. (Cl. 312—38)

9. An apparatus for dispensing toweling including a feed roll and a take-up roll, a speed change mechanism including gear trains, for operating the rolls one by the other in one instance to take up soiled toweling at a normal feeding rate, and in the second instance to operate the take-up roll to take up soiled toweling at a rate substantially greater than normal, including a shiftable gear, and means operable when the toweling supply is substantially exhausted for operating the shiftable gear to condition said



speed change mechanism for obtaining take up of soiled toweling at the greater rate.

2,077,033
KNITTED FABRIC
Isidor S. Bleendes, Brooklyn, N. Y.
Application July 5, 1934, Serial No. 733,853
1 Claim. (Cl. 66—169)

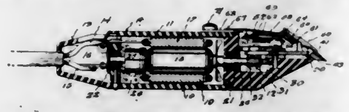


A new knitted fabric having ground work of jersey stitches and lacing portions interspersed between the jersey stitch portions, said jersey stitch portions of the fabric consisting of interlocking plain stitches only and said lacing stitch portions consisting of tight plain stitches and loose purl stitches alternating in the several lacing portions of the fabric with the said purl and plain stitches interlocking with each other, said plain stitches which interlock with the loose purl stitches being disposed to lie in front of and to cover substantial portions of said loose purl stitches.

2,077,034
HAIR CLIPPER
Julius W. Boerger, Racine, Wis., assignor to All-over Manufacturing Co., Racine, Wis., a corporation of Wisconsin
Application December 7, 1934, Serial No. 756,391
5 Claims. (Cl. 30—1)

1. In hair clippers, a blade assembly including a fixed blade and a movable blade, means for reciprocating the movable blade, guide means upon the blades, a tension plate having an arched portion rigidly secured to the fixed blade in rear of the movable blade and an arched portion overhanging the movable blade, said arched portion being provided with fingers engaging the

outer face of the movable blade, the movable blade having its rear end bifurcated, and the tension plate provided with an opening, and said means for reciprocating the movable blade in-



cluding an oscillating lever extending through the opening in the tension plate and received within the bifurcated portion of the movable blade.

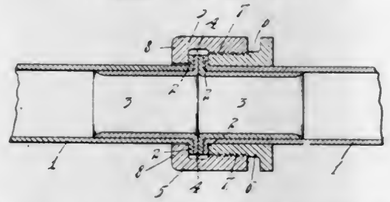
2,077,035

PIPE COUPLING

Albert O. Bredeson, Minneapolis, Minn., assignor to Super Radiator Corp., Minneapolis, Minn., a corporation of Minnesota

Application March 30, 1936, Serial No. 71,645

1 Claim. (Cl. 285—127)



The combination with pipe sections having out-turned annular end flanges, of bushings telescoped into the ends of the respective pipe sections and having out-turned annular end flanges seated against the flanges of the respective pipe sections, the two pipe sections being assembled with the end flanges of the bushings in contact, an externally threaded sleeve mounted on one of the pipe sections with its end engaging the flange thereof, and a nut-acting member having screw-threaded engagement with said sleeve and provided with an inturned flange that engages the flange of the other pipe section, said sleeve and nut, when tightened, pressing the flanges of said bushings and the flanges of the bushings and pipe sections into fluid-tight engagement, said bushings and their flanges being of a softer metal than said pipe sections, the relatively soft flanges of said bushings, under pressure, adapted to form fluid tight joints without the use of intervening packing.

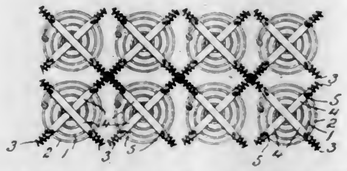
2,077,036

SPRING STRUCTURE

William S. Brown, Carthage, Mo., assignor to Leggett and Platt Spring Bed and Manufacturing Company, Carthage, Mo., a corporation of Missouri

Application July 15, 1935, Serial No. 31,376

3 Claims. (Cl. 5—269)



1. In a spring structure of the kind described, the combination with the top coil of an upright coil spring and a helical spring having an end portion extending around and outwardly away from said coil, of a perforated supporting member extending across said coil and for a substantial distance outside the boundary of said coil and for a substantial distance into the adjacent end of said helical spring, said portion of the latter extending through said member and in an engagement which binds together said member and said coil.

2,077,037

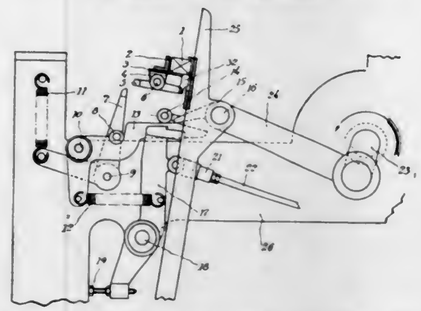
PROTECTOR MECHANISM FOR LOOMS

Juan Picañol Camps, Barcelona, Spain

Application August 16, 1934, Serial No. 740,186

In Germany October 10, 1933

2 Claims. (Cl. 139—341)



1. A protector mechanism for looms for automatically stopping the loom when the shuttle does not enter the shuttle box, comprising in combination with the loom frame and the shuttle box, corner posts carrying said shuttle box, means for oscillating said corner posts, a catch lever oscillatable on said frame, a brake actuating rod hingedly connected to said catch lever, a pawl on said corner posts adapted during the oscillation of said posts to engage and oscillate said catch lever to exert a pull on said rod, a two-armed lever oscillatable on said frame and adapted to normally support said pawl out of engagement with said catch lever, a bell crank lever oscillatable on said frame, a roller on one arm of said lever resting against one arm of said two-armed lever, and a rocker lever on the under side of said shuttle box adapted when the shuttle does not enter the box to engage and oscillate said two-armed lever to swing said two-armed lever through the intermediary of said roller and lower said pawl into engagement with said catch lever and, when the shuttle enters the box, to rock out of the path of movement of said two-armed lever.

2,077,038

SEALING AND THRUST BALANCING DEVICE

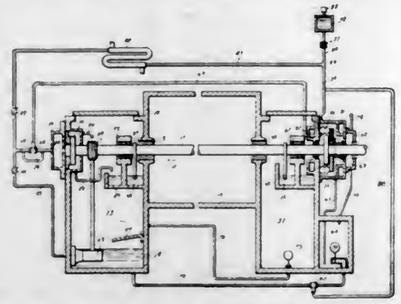
Willis H. Carrier, Elizabeth, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware

Application April 5, 1934, Serial No. 719,143

19 Claims. (Cl. 184—6)

1. In an oiling system for a fluid compressor having a rotary shaft extending through an opening in the compressor casing, a sealing device comprising a rotating sealing member on said shaft and a non-rotating sealing member which is adapted to move into and out of engagement with said rotating member, a thrust balancing device, journal bearings for said shaft, a lubricant reservoir subjected to the suction pressure of said compressor, a pump for discharging oil

to said sealing device and to said thrust balancing device, and means for supplying lubricant from



said sealing and thrust balancing devices to said journal bearings.

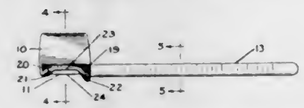
2,077,039

THERMOMETER

William S. Collens, Brooklyn, N. Y., assignor to U. M. A. Inc., New York, N. Y., a corporation of New York

Application August 3, 1935, Serial No. 34,505

3 Claims. (Cl. 73—52)



1. An instrument for taking the temperature of an exposed surface, including a holder of insulating material comprising an elongated body provided on its upper side with an integral finger piece and provided with a longitudinally extending bore open at one end and terminating in spaced relation to the other end to form a protecting nose to that end of the instrument, said bore being exposed through the lower side of the body for a portion of its length, and a glass mercury thermometer having an elongated form of bulb fitted in said bore and at least partly exposed through the lower side of the body for contact with the surface the temperature of which is desired, and said thermometer including a portion projecting from the body and having the projecting portion provided with a scale with the scale facing upwardly whereby the scale can be read while pressing down on the finger piece to bring the bulb into contact with said surface.

2,077,040

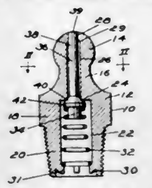
LUBRICATION DEVICE

John L. Creveling, Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware

Application September 17, 1931, Serial No. 563,409

6 Claims. (Cl. 184—105)

1. A lubricant fitting comprising a ball head, a reduced neck, and a supporting shank, and having a plurality of concentric cylindrical bores formed longitudinally through said shank, said neck, and said head, the bores having their maximum diameter within said shank and presenting a relatively short portion of minimum diameter adjacent to the outer end of said head connected by a portion of intermediate diameter, and a valve member in said bore of maximum diameter having a stem extending through said portions of intermediate and minimum diameter of such



length that its end lies substantially flush with the head surface when the valve is closed.

2,077,041

METHOD FOR RECOVERY OF OLEFINES FROM GASEOUS OR LIQUID MIXTURES

Harold S. Davis and Alfred W. Francis, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application March 9, 1934, Serial No. 714,820

13 Claims. (Cl. 260—170)

1. In the method of separating lower olefines from hydrocarbon compositions containing the same by means of a reducible metal salt capable of reversibly combining with the olefines in an aqueous solution which is in intimate contact with a reducing metal, the steps which comprise bringing the hydrocarbon composition into intimate contact with the aqueous solution for the transfer of olefines into such aqueous solution and extracting the olefines from the aqueous solution by means of a water-immiscible, inert liquid solvent, at temperature below that at which substantial reduction of the soluble metal salt by the reducing agent takes place, and subsequently separating the olefine from the liquid solvent.

2,077,042

METHOD OF MAKING ETHERS

Alfred W. Francis, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application October 20, 1934, Serial No. 749,279

9 Claims. (Cl. 260—151)

1. The process for manufacturing ether which comprises chemically reacting a secondary base olefin with an alcohol of an order not above secondary by bringing said olefin and said alcohol into intimate contact with each other and with concentrated sulphuric acid at a temperature between approximately 90° C. and 180° C. under a pressure not less than the vapor pressure of the alcohol at the temperature of the reaction, said intimate contact being maintained until not less than about 20% of the olefin is converted to ether and then separating the ether thus formed from the reaction mixture.

2,077,043

INDUSTRIAL HEATER

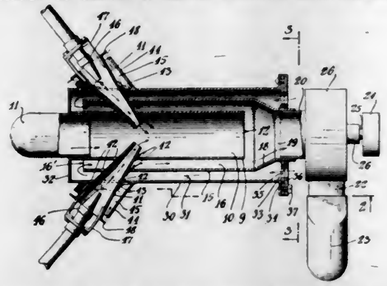
Charles L. Gehnrich, Elmhurst, N. Y.

Application February 1, 1936, Serial No. 61,854

12 Claims. (Cl. 158—7)

1. A heater for supplying hot gases comprising an elongated heating chamber having intake and discharge openings at opposite ends, an open ended combustion chamber having metal walls extending through the side walls of said heating chamber and spaced therefrom to provide an air

duct around the combustion chamber walls, a burner located in the open end of said combustion chamber to direct a flame therein and means to



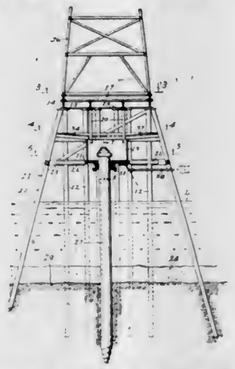
draw heated gases through said heating chamber, air for combustion through the open ended combustion chamber and air for cooling through the air duct around said combustion chamber.

2,077,044

MARINE DERRICK STRUCTURE

Victor F. Grace, Balboa, and Walter H. Richardson, Los Angeles, Calif., assignors to General Petroleum Corporation of California, a corporation of Delaware

Application August 17, 1934, Serial No. 740,282
3 Claims. (Cl. 61—48)



1. In a marine derrick structure the combination of: a plurality of piles arranged to support a derrick; a plurality of horizontal beams mounted on said piles to form a supporting structure; hangers suspended from said supporting structure; and a tank supported by said hangers.

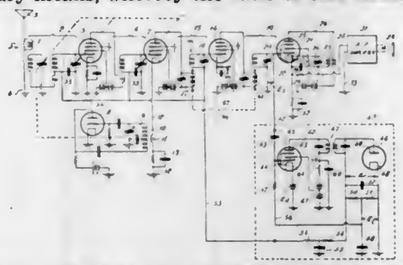
2,077,045

WAVE SIGNALING SYSTEM

Clyde K. Huxtable, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application March 22, 1935, Serial No. 12,359
10 Claims. (Cl. 250—20)

1. In a signaling system, a signal-translating channel including an implifier producing an amplified signal output, auxiliary means external to said signal-translating channel and responsive to said amplified signal output for producing a unidirectional voltage, means for controlling the amplification in said signal amplifier in accordance with said unidirectional voltage, and means for simultaneously directly applying unidirectional voltage produced by said auxiliary means to a control element of said auxiliary means reversely to control the responsiveness of said auxiliary means, whereby the ratio of said unidirectional voltage to said amplified signal output is increased when the signal input applied to said amplifier increases.

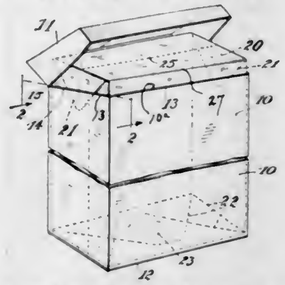


2,077,046

CARTON

Howard Edwin Klohr, Hollis, and Stanley Koslow, Hempstead Gardens, N. Y., assignors to The National Sugar Refining Co. of New Jersey, New York, N. Y., a corporation of New Jersey

Application July 23, 1935, Serial No. 32,699
4 Claims. (Cl. 229—14)



1. In a package having an outer container of relatively stiff material, and an inner liner of relatively flexible material, in which the top of the liner is folded into closed position having end folds extending between the body portion of the liner and the body portion of the container, in combination therewith, of a perforated line portion extending from edge to edge of the end folds, whereby when said perforated line is ruptured, the end folds and top walls are adapted to be turned up into vertical position to form an open toot-like opening extending above the body of the container, adapted to be readily folded by forming a bag-like closure, by turning the end folds inwardly.

2,077,047

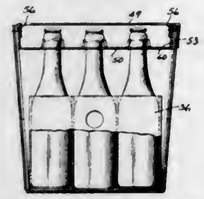
CARTON AND BLANK FOR FORMING THE SAME

Henry Kondolf, New York, N. Y., assignor to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware

Application May 29, 1933, Serial No. 673,539
5 Claims. (Cl. 229—43)

2. A blank for forming a cover structure for a carton comprising a top cover panel having a flap formed at one end thereof, a bottle-holding panel hinged thereto at the other end thereof, said bottle-holding panel being provided with openings equal in number to one-half the number of bottles to be shipped in a carton with which the

cover is used and of a diameter to fit snugly around the necks of two bottles, each being provided with a pair of flaps adapted to resiliently engage the necks of bottles positioned in the carton.



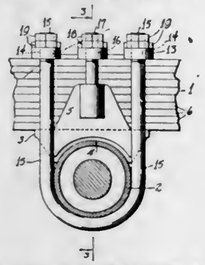
5. A blank for forming a cover structure for a carton comprising a top cover panel having a flap formed at one end thereof, a bottle-holding panel hinged thereto at the other end thereof and being provided with bottle-receiving openings, a flap secured to the opposite edge of said bottle-holding panel, said cover panel being provided adjacent the edges thereof with a plurality of cut-out portions to facilitate the insertion of staples through the cover and walls of a carton.

2,077,048

AXLE SPRING MOUNTING

John R. Konetsky, San Francisco, Calif.

Application April 23, 1935, Serial No. 17,870
3 Claims. (Cl. 267—52)



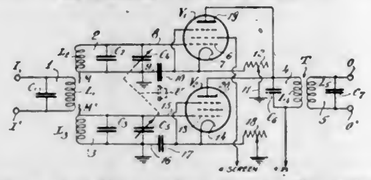
1. In combination, a leaf spring, a seat, a cap, stud bolts for connecting the cap to the seat, nuts on the stud bolts for clamping the spring between the cap and the seat, and U bolts for connecting the assembly to an axle housing, said stud bolts aiding the U bolts in clamping the spring to the seat.

2,077,049

SIGNAL SELECTING SYSTEM

William A. MacDonald, Little Neck, N. Y., assignor to Hazeltine Corporation

Application December 20, 1933, Serial No. 703,218
13 Claims. (Cl. 250—20)



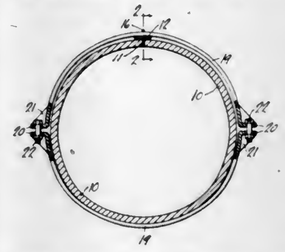
1. In a signaling system, means for selecting a band of frequencies, said means comprising two parallel paths each of which selects at least a portion of said band, and means for changing the position in the frequency scale of one of said portions relative to the other portion, whereby the resultant width of the selected band may be varied.

2,077,050

PIPE LEAK PLUG

Patterson D. Merrill, South Bend, Ind.

Application January 11, 1936, Serial No. 58,637
6 Claims. (Cl. 138—99)



1. The combination with a clamp adapted to encircle a leaking pipe, said clamp having an aperture therethrough, of a compressible plug adapted to be positioned between said pipe and clamp and to seat on said pipe at the leaking portion thereof, and a stud of deformable metal partially imbedded in said plug and projecting therefrom and through said aperture, the projecting end of said stud being pressed against the outer face of said clamp to lock said plug in operative substantially stationary relation to said clamp.

2,077,051

SPECTACLE FRAME

Peter Messinger, Philadelphia, Pa.

Application February 8, 1935, Serial No. 5,630
3 Claims. (Cl. 88—47)



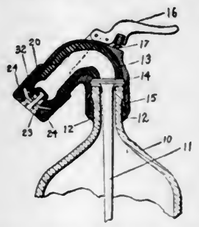
1. A pair of spectacles having a split rim, a separable temple support, each end of said rim terminating respectively at said split in one of the members of said temple support, said rim being split at a second point adjacent said first split, and a bendable rod having one end connected to said rim near the end adjacent said second split farthest from said first split and the other end connected to the member of said temple support nearest said second split.

2,077,052

SIPHON BOTTLE

George J. Meyer, Milwaukee, Wis.

Application March 1, 1933, Serial No. 659,159
10 Claims. (Cl. 215—5)



2. In a siphon head, a spout having a passage therein, a closure valve movable axially within

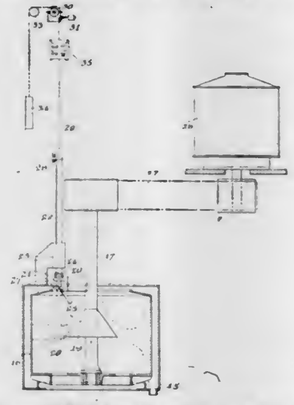
the passage in said spout adjacent the outer end thereof, manually operable rockable means mounted on the head, and external sleeve means connecting said manually operable rockable means and said valve to operate the latter, the said sleeve means projecting beyond the outer end of said spout, a reduced portion in the outer end of the sleeve means, and an inner annular washer within the reduced portion for sealing the latter with the end of the spout.

2,077,053

CENTRIFUGAL EXTRACTOR MACHINE

Jacob J. Neuman, South Salem, N. Y.

Application October 10, 1935, Serial No. 45,524
11 Claims. (Cl. 210—70)



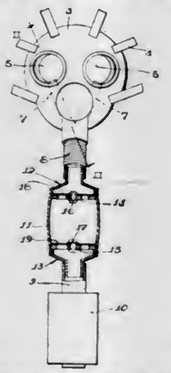
1. In a centrifugal extractor machine having a motor driven basket, a plow for removing accumulations from the inner wall of the basket, an electric motor for raising and lowering the plow out of and into the basket, and electrical control devices connected to said plow motor and to the basket motor for automatically controlling the operation of the plow relatively to the speed of rotation of the basket.

2,077,054

GAS MASK EQUIPMENT

Thomas A. O'Leary, Pittsburgh, Pa.

Application November 23, 1936, Serial No. 112,236
2 Claims. (Cl. 128—141)



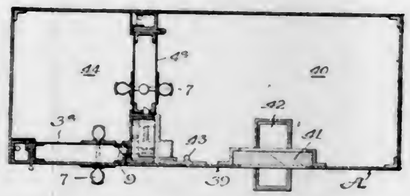
1. In combination, a gas mask, a canister, an air inlet line from the canister to the mask, a flexible pumping chamber located in the inlet line between the canister and mask, and a pair of check valves at the opposite ends of the pumping chamber, both opening toward the mask.

2,077,055

BULLETPROOF CAGE FOR BANKS AND THE LIKE

Francis J. Plym, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan

Application August 26, 1933, Serial No. 686,866
5 Claims. (Cl. 20—1.01)



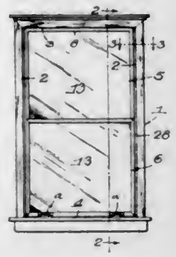
1. A safety device for protecting a teller, paymaster or other person handling money and/or other valuables in his work, comprising a member divided into two compartments, the one being of a size sufficient to permit but one person to enter and the other of a size to permit said teller, paymaster or other person to carry on his work, said first mentioned compartment having a door for securing access thereto and a door connecting said compartments, said doors being so constructed and connected that a person opening the first mentioned door cannot open the second door as long as the first door remains open, and electrically operated means for unlatching and permitting an opening of either of said doors, but upon an opening of one preventing an unlatching of the other.

2,077,056

WINDOW CONSTRUCTION

Francis J. Plym, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan

Application September 7, 1934, Serial No. 743,032
7 Claims. (Cl. 189—72)



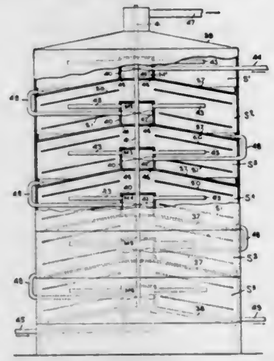
1. In a window construction, a frame formed of extruded metal including side jambs, weight-hung sashes slidable in said frame and provided with side rails, resilient ribs on said jambs forming a guide for sliding movement of said sashes and further forming a weather-tight seal between the frame and sashes, and means off-set from said ribs and extending alongside a face of each sash and connected to a side rail of each sash for aiding in raising and lowering the sashes and retaining the same in adjusted position.

2,077,057

APPARATUS FOR SOLVENT REFINEMENT OF HYDROCARBONS

John W. Poole, Jaffrey, N. H.

Application September 21, 1934, Serial No. 744,874
18 Claims. (Cl. 196—13)



1. Apparatus for refining hydrocarbons by selective solvent action comprising a settling chamber having straight vertical walls, means for introducing into said chamber a mixture of said hydrocarbons and a solvent selectively dissolving certain constituents thereof to form oil and solvent phases of different densities one of which is a dispersed phase, a plurality of narrowly spaced baffle walls within said chamber having a minimum inclination to the horizontal consistent with the free movement of the separated phases acting so to divert the direction of flow of the droplets of the dispersed phase as to facilitate rapid accumulation and coagulation thereof, and means for separately delivering the respective phases from upper and lower portions of said chamber.

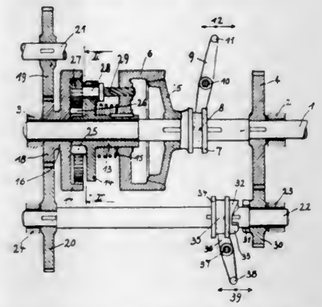
10. Apparatus for refining hydrocarbons by selective solvent action comprising a series of settling chambers arranged in a plurality of columns with the settling chambers of said series alternating in the respective columns, a mixer complementary to each of said settling chambers having inlets communicating respectively with the bottom and upper portions of two adjacent settling chambers in the same column, and a discharge outlet communicating with its complementary settling chamber of another column, means for introducing the hydrocarbon at one end of said series, means for introducing the solvent at the other end of said series of settling chambers, means for delivering the lighter phase from the uppermost of said series and the heavier phase from the lowermost of said series, a plurality of baffle walls in each settling chamber inclined to the horizontal and terminating short of the ends of said chamber dividing the respective settling chambers into a plurality of compartments of relatively short height acting to facilitate coagulation of descending droplets of dispersed material, said baffle walls being provided with apertures in vertically staggered arrangement and acting to facilitate the release from the heavier material passing therethrough of such lighter material as is entrained therein.

2,077,058

FRICTION COUPLING FOR CHANGE GEARS

Hugo Rambausek, Eberswalde, near Berlin, Germany

Application May 16, 1935, Serial No. 21,765
In Germany December 30, 1933
14 Claims. (Cl. 74—358)



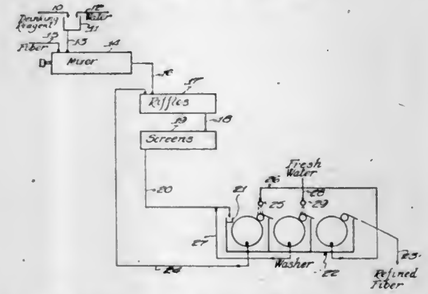
1. A friction coupling for change gears comprising a driving coupling member, a driven coupling member, a rotatable third member, said three members being coaxially arranged, said coupling members being individually displaceable axially in relation to each other and to said third member, externally operated means for displacing one of said coupling members, means in connection with said other coupling member and said third member for transmitting rotative forces between these last mentioned members, and adapted to permit a limited relative rotation of these members, and means rotatable with one of the last mentioned members and responsive to their relative rotation for axially displacing said other coupling member.

2,077,059

RECLAIMING FIBER FROM WASTEPAPER

Francis H. Snyder and Stanley F. M. Maclaren, New York, N. Y., assignors to Snyder Maclaren Processes, Inc., New York, N. Y., a corporation of Delaware

Application May 23, 1934, Serial No. 727,120
8 Claims. (Cl. 92—20)



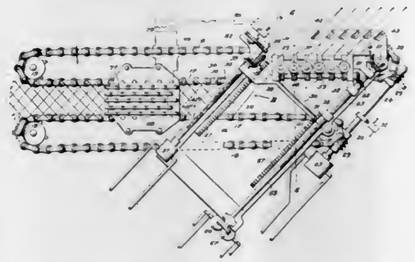
1. The process of reclaiming fiber from waste paper which comprises subjecting an aqueous suspension of the waste paper of from ten to sixty percent density to a mechanical mixing action in the presence of a deinking reagent, adding water to the resulting mass to provide a dilute suspension, removing extraneous solid matter from the mass, removing a portion of the liquid present to provide a suspension of from five to thirty-five per cent density, adding bleach

to the mass, subjecting the resulting mass to a mechanical mixing action, and recovering and washing the resulting fiber.

2,077,060
DEODORIZING COMPOSITION
Alexander R. White, Mimico, Ontario, Canada, assignor to Deodor-X Company of Canada Limited, Montreal, Quebec, Canada
No Drawing. Application December 7, 1933, Serial No. 701,363
5 Claims. (Cl. 167—13)

1. In a disinfectant and deodorant compound the combination of formaldehyde with sodium metasilicate in proportions giving a definitely alkaline product.

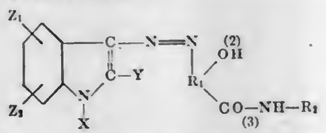
2,077,061
METAL FABRIC MAKING MACHINE
Herbert E. White, Lakewood, Ohio, assignor to Wire Fabric Corporation, a corporation of California
Application September 28, 1935, Serial No. 42,698
26 Claims. (Cl. 140—112)



1. In apparatus for the manufacture of wire fabric, the combination with means for intermittently moving the fabric strands in a predetermined path, of means for carrying bights of the said strands diagonally across said path, while the fabric strand moving means is at rest.

2,077,062
AZO-DYESTUFFS INSOLUBLE IN WATER AND FIBER DYED THEREWITH
Paul Wolff and Wilhelm Werner, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 15, 1936, Serial No. 85,432. In Germany June 27, 1935
10 Claims. (Cl. 260—46.2)

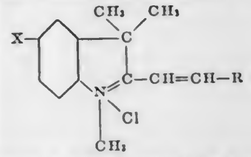
1. The water-insoluble azo-dyestuffs of the following general formula:



wherein R_1 stands for a member of the group consisting of naphthalene and anthracene, R_2 for a member of the group consisting of radicals of the benzene, naphthalene and diphenyl series, X means alkyl, Y a radical of the benzene series and Z_1 and Z_2 stand for one of the group consisting of hydrogen and methyl, yielding, when produced on the fiber, dyeings of various shades which have good fastness properties and have the great advantage of yielding with acid printing pastes colored and white resist effects.

2,077,063
POLYMETHINE DYESTUFFS AND A PROCESS OF PREPARING THEM
Paul Wolff, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 10, 1934, Serial No. 756,893. In Germany December 16, 1933
9 Claims. (Cl. 260—38)

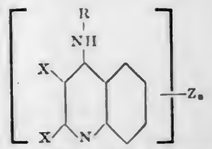
6. The compounds of the general formula:



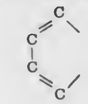
wherein X means a member of the group consisting of hydrogen and methoxy and R means the radical of a hydrogenated heterocyclic compound of the group consisting of dihydro-indoles and tetrahydroquinolines.

2,077,064
CONDENSATION PRODUCTS OF THE ACRIDINE SERIES
Friedrich Ebel, Mannheim, and Christian Steigerwald, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 11, 1934, Serial No. 720,142. In Germany April 29, 1933
11 Claims. (Cl. 260—36)

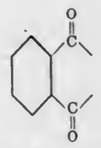
7. Condensation products corresponding to the general formula



in which R represents a polynuclear aromatic radical in which the amino nitrogen is linked directly to a ring carbon, the said radical containing at least one cyclic-bound keto group, the two positions marked X being occupied by a nuclear grouping selected from the class consisting of



and



and wherein Z stands for a member selected from the class consisting of hydrogen and halogen, and *n* for a whole number.

2,077,065
BUILDING LUMBER
Ernst H. Johannes, Milwaukee, Wis., assignor to Amanda M. Davidson, trustee
Application May 1, 1933, Serial No. 668,703
3 Claims. (Cl. 46—25)

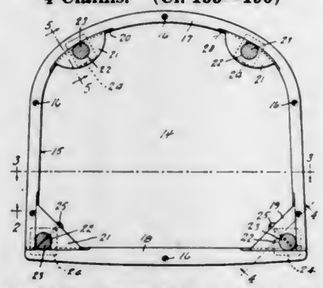


1. A building toy comprising a pair of rectangular plate-like wall-forming blocks, two opposite edges of each block having a tenon and a mortise respectively to interfit with the complementary edges of the other block, and two other opposite edges of each block having tongue-and-groove parts, a side of at least one of said blocks being apertured at an intermediate portion to interfit with one of the mortise and tenon edges of the other block, said blocks when thus selectively interfitted edge-to-edge or edge-to-side having their tongue-and-groove edges in flush relation.

2,077,066
METHOD FOR THE PREPARATION OF ARALKYL ETHERS OF CELLULOSE
Eugene J. Lorand, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 20, 1934, Serial No. 740,651
16 Claims. (Cl. 260—152)

1. The method for the preparation of aralkyl ethers of cellulose which includes treating cellulose at reaction temperature with an aralkyl halide containing an aqueous alkali solution emulsified by the action of an emulsifying agent as the disperse phase therein, the aqueous alkali solution being present in amount from about 200% to about 400% by weight of the amount of cellulose present.

2,077,067
CHAIR
Hiram N. McLellan, Shaker Heights, Ohio, and Gustav C. Baibach, Grand Rapids, Mich., assignors to The Taylor Chair Company, Bedford, Ohio, a corporation of Ohio
Application April 27, 1936, Serial No. 76,502
4 Claims. (Cl. 155—196)

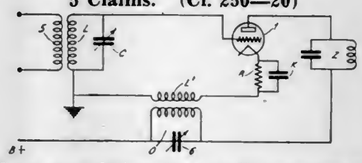


4. In a chair construction, a seat, a continuous skirting rigidly secured to the under side thereof and including side and front portions forming an angle with each other, a corner block in an angle between said skirting portions, there being an interfitting rib connection between said block and said skirting, a vertical bore intersecting said block, and a leg having a projection received in said bore and a shoulder surrounding said projection and engaging the bottom of the skirting.

2,077,068
COMPOSITIONS FROM COAL TAR AND HIGHER FATTY ACIDS AND PROCESSES OF MAKING THE SAME
Anderson W. Ralston and Carl W. Christensen, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 21, 1935, Serial No. 50,985
15 Claims. (Cl. 260—131)

1. The process which comprises reacting a coal tar fraction having a boiling point range of about 432° C. to about 500° C. with a fatty acid having at least six carbon atoms in the presence of a catalyst which forms a hydrolyzable intermediate metal complex with the reactants, and hydrolyzing the intermediate metal complex to liberate a metal-free reaction product.

2,077,069
RADIO RECEIVER
Rudolf Rechnitzer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 26, 1935, Serial No. 8,251
In Germany March 12, 1934
5 Claims. (Cl. 250—20)



1. In a superheterodyne radio receiver subject to interference from undesired signal currents of the image frequency, the combination of a vacuum tube having a cathode, grid and plate, a resonant input circuit comprising a coil and a condenser connected in parallel connected between said grid and cathode, a plate circuit connected to said plate and a circuit common to said input and plate circuits said last named circuit comprising a coil whose inductance has a value such as to form with the effective capacity of said resonant input circuit a circuit resonant at the undesired image frequency.

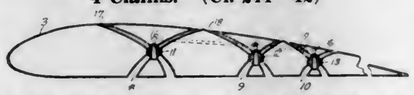
2,077,070
AIRPLANE
William K. Rose, New York, N. Y.
Continuation of application Serial No. 706,780, January 15, 1934. This application November 10, 1936, Serial No. 110,145
16 Claims. (Cl. 244—42)



1. An airplane wing structure provided with a plurality of vanes or blades forming passageways therebetween extending through the wing from the lower surface to the upper surface thereof, the vanes or blades being formed with cooperating curved surfaces so constructed and arranged that the cross-section of each passageway gradually diminishes from inlet to outlet

thereof and has as its mean line a curve which gradually flattens from bottom to top and comprises the segment of a spiral, the vanes or blades being so placed that there is no appreciable straight line passage for air therebetween, whereby as pressure air passes through the said passageways internal forces are developed in the wing operating to influence the lift drag ratio thereof.

2,077,071
AIRPLANE
William K. Rose, New York, N. Y.
Continuation of application Serial No. 706,779, January 15, 1934. This application November 10, 1936, Serial No. 110,146
4 Claims. (Cl. 244—42)



1. In an airplane embodying a fuselage and a wing structure mounted thereon and extending to each side thereof, the combination with the wing structure of vanes or blades forming passageways therebetween extending through the wing structure from the lower surface to the upper surface thereof and extending lengthwise of the wing structure to points near the outer edges thereof, the vanes or blades of one of said passageways being curved upwardly and rearwardly from the bottom surface of the wing structure and the vanes or blades of another of said passageways being curved upwardly and forwardly from the bottom surface of the wing structure, the two said passageways intersecting, and control means common to both passageways located at the intersection thereof for opening and closing said passageways whereby both of said passageways may be simultaneously closed and whereby one of said passageways may be opened while the other passageway is closed.

2,077,072
AILERON
William K. Rose, New York, N. Y.
Continuation of application Serial No. 706,781, January 15, 1934. This application November 10, 1936, Serial No. 110,147
3 Claims. (Cl. 244—42)

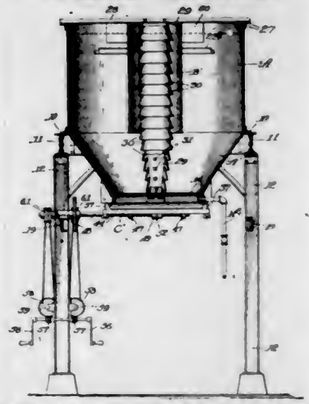


1. An aileron for airplanes, comprising suitably mounted vanes or blades so disposed as to form two aerodynamically opposing and intersecting passageways extending through the wing from top to bottom near the outer ends and between the leading and trailing edges thereof, one of said passageways being curved downwardly and forwardly and the other of said passageways being curved upwardly and rearwardly, and a manually controlled valve positioned at the intersection of the passageways for shifting air currents from one passageway to the other.

2,077,073
RECOVERY OF METALS FROM THEIR ORES
Manley L. Ross, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 1, 1934, Serial No. 737,929
6 Claims. (Cl. 23—18)

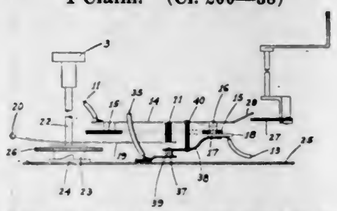
1. A process of recovering tungsten from its ores in the form of tungsten oxide which comprises the steps of refluxing the ore with sulfur chloride in the liquid phase at a temperature within the range 50 to 138° C., treating the resulting product with water to hydrolyze the tungsten compounds present in the gangue, adding aqua ammonia to render the tungsten compounds soluble, filtering said tungsten compounds from the gangue, and then evaporating the filtrate to dryness to recover the tungsten.

2,077,074
SEPARATOR APPARATUS
Claude B. Schneible, Chicago, Ill.
Application August 30, 1935, Serial No. 38,635
13 Claims. (Cl. 210—51)



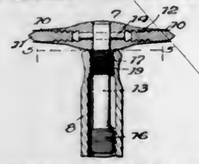
1. In apparatus of the character set forth, a tank having an open bottom, a removable closure for said bottom, a baffle tower supported in said tank and comprising nested sleeves affording narrow upwardly directed passages leading into said tower, and inlet and outlet connections in the upper portion of said tank, said tower having an outlet to the exterior of said tank.

2,077,075
ALARM
Carl L. Schroeder, Stockton, Calif.
Application June 18, 1935, Serial No. 27,141
1 Claim. (Cl. 200—38)



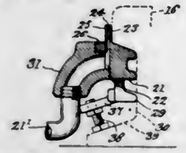
An electric light signal switch for an alarm clock, said clock having a time-closed normally open audible-alarm switch which comprises a flexible switch arm fixed at one end, a contact on its opposite end and a fixed contact cooperating with said arm contact; said signal switch comprising a flexible switch strip extending in a general direction parallel to and spaced from the flexible arm and secured at one end in electrical connection with the fixed contact of the other switch, a contact on the free end of said strip, a relatively fixed cooperating contact positioned to be spaced from the strip contact when the alarm switch contacts are spaced, and an element of insulation material connecting the arm and strip whereby the strip will be moved simultaneously with the moving of the flexible switch arm.

2,077,076
RAZOR
Maximilian Speiser, New York, N. Y.
Application September 7, 1935, Serial No. 39,637
16 Claims. (Cl. 30—50)



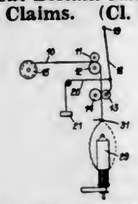
1. In a safety razor, a head having spaced cutting edges integral therewith, and a guard between said edges.

2,077,077
LUBRICATING DEVICE FOR RAILWAYS
Charles Stern, Jersey City, N. J., assignor to Ardco Manufacturing Company, Hoboken, N. J., a corporation of Delaware
Application October 31, 1935, Serial No. 47,695
3 Claims. (Cl. 184—3)



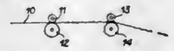
1. An applicator for track lubricators, comprising a body portion adapted to fit against the side of a rail and provided with a longitudinal chamber therein for the reception of lubricant under pressure, said body portion having one wall of said chamber extending upwardly and provided with a lip constituting a continuation of said wall adapted to lie against the head of the rail, and a plate member detachably seated in the upper side of the body portion spaced from said wall and projection to provide therewith a slot extending along the side of the rail.

2,077,078
MANUFACTURE OF STAPLE FIBER YARNS FROM CONTINUOUS FILAMENTS
William Ivan Taylor, Frank Corbyn Hale, and Alfred Herbert Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application May 18, 1934, Serial No. 726,264
In Great Britain May 22, 1933
11 Claims. (Cl. 19—1)



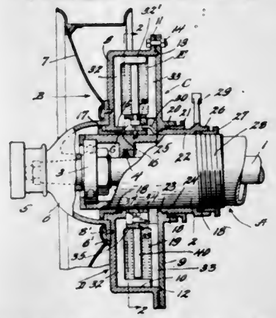
1. Process for the conversion of continuous filaments directly into a product containing staple fiber, which comprises causing a bundle of continuous filaments to pass in contact with a cutting surface moving in substantially the same direction as said filaments but at a peripheral speed different from the speed of the filaments, and pressing the bundle against the surface so that during the movement of the surface the bundle is continuously nipped substantially at a point in its length and is subjected at such point to a cutting action that at any one point severs part only of the filaments in the bundle, the movement of the filaments past the cutting surface causing the partial severing action to take place progressively along the length of the filaments.

2,077,079
MANUFACTURE OF STAPLE FIBER YARNS FROM CONTINUOUS FILAMENTS
William Ivan Taylor, Frank Corbyn Hale, and Alfred Herbert Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Original application May 18, 1934, Serial No. 726,264. Divided and this application May 28, 1935, Serial No. 23,804. In Great Britain May 22, 1933
13 Claims. (Cl. 19—1)



1. Process for the conversion of continuous filaments directly into a continuous product containing staple fiber, which comprises causing a bundle of continuous filaments to pass in contact with the surface of a fluted cutting roller moving in substantially the same direction as said filaments but at a peripheral speed different from the speed of the filaments, and pressing the bundle against the surface of the roller so that during the rotation of the roller the bundle is continuously nipped substantially at a point in its length and is subjected at said point to a cutting action that at any one point severs part only of the filaments in the bundle, the movement of the filaments past the surface of the roller causing the partial severing action to take place progressively along the length of the filaments.

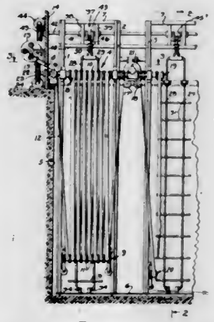
2,077,080
FLUID BRAKE MECHANISM
John A. Tolman, Watertown, Mass.
Application July 19, 1935, Serial No. 32,268
6 Claims. (Cl. 188—90)



1. A fluid brake comprising a rotatable fluid-containing casing provided on its inner surface with a vane forming an opening, a movable blade adapted to be framed by the opening at predetermined points in the angular movement of the casing, means for arranging the angle of the blade within the opening for controlling the cir-

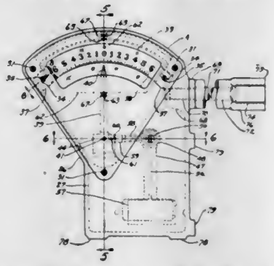
culation of the fluid, said means including an oscillatory ring member, means in connection with the blade for preventing sudden locking of the casing, said means including a ring member.

2,077,081
FILM TREATING APPARATUS
Albert W. Tondreau, Hollywood, and Fred W. Gage, Beverly Hills, Calif., assignors to Warner Brothers Pictures, Inc., New York, N. Y., a corporation of Delaware
Application November 25, 1935, Serial No. 51,456
9 Claims. (Cl. 95—94)



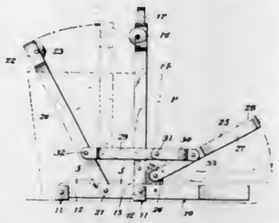
1. A photographic film treating apparatus comprising a liquid containing tank, means for passing a film to be treated vertically through said tank in a pre-determined path, a plurality of liquid agitating members in said tank spaced away from and along the path of the film, and means for actuating all of said members simultaneously to produce similar movement of all the liquid in said tank.

2,077,082
DEVICE FOR MEASURING CAMBER AND CASTER IN WHEEL AND AXLE MECHANISMS
Armin F. Wedlake, Detroit, Mich.
Application January 25, 1934, Serial No. 708,184
15 Claims. (Cl. 33—203)



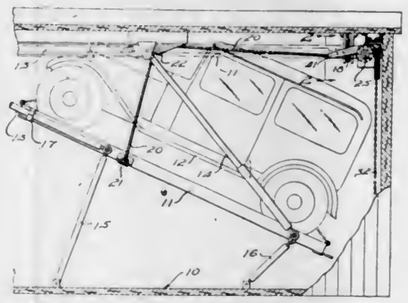
2. In a device for measuring the camber and caster of a wheel and axle mechanism, the combination of an indicator member movably mounted provided with a lever arm, means for actuating said indicator member in accordance with the angular amount of camber or caster, said last mentioned means being actuated by the force of gravity and provided with a lever arm, a pin member mounted in one of said lever arms and engaging the other of said lever arms, and a dial provided with unequal spaces for indicating equal angles of camber or caster.

2,077,083
MOP WRINGER
John Weil, Mansfield, Ohio
Application January 14, 1936, Serial No. 59,121
2 Claims. (Cl. 15—262)



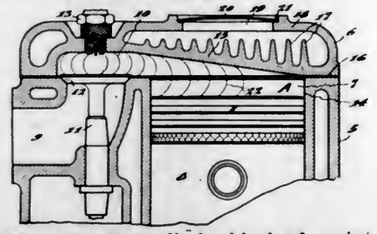
1. A mop-wringer comprising a base, a rigid roller housing member carried by said base and extending above the same, a wringer roller carried by the wringer roller housing member, a movable member pivotally secured to the base adjacent the roller housing and carrying a roller adapted to coact with said first mentioned roller, a treadle yoke pivotally supported in conjunction with the base adjacent to said roller housing and capable of being swung to a substantially parallel position with respect to the rigid member, a link pivotally connected to said movable member, a second link pivotally connected to said treadle yoke, a free pivot connecting the links whereby the links may be folded to permit the treadle yoke and movable member to extend in substantially parallel relation to said rigid roller housing member, the links lying in substantially the same plane when the treadle member and movable member are in an open position, the movement of the treadle yoke to a depressed position automatically changing the pivot points of connection with the movable member and the treadle member to change alignment to increase the leverage and reduce the effort necessary to move the movable member from an inoperative to an operative position.

2,077,084
CAR LOADING DEVICE
Nestor L. Wissi, Detroit, Mich., assignor to The Worth Company, a corporation of Michigan
Application March 13, 1933, Serial No. 660,500
17 Claims. (Cl. 105—368)



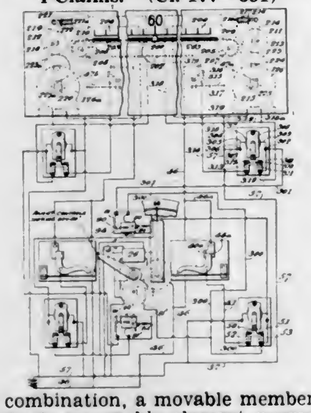
1. A loading device comprising rotary means, a flexible member wound around the rotary means and extending therefrom for supporting an object, and means for automatically preventing turning of the rotary means to unwind the flexible member, except when the latter is under tension.

2,077,085
NONDETONATING ENGINE
Victor F. Zahodiakin, New York, N. Y.
Application March 13, 1936, Serial No. 68,751
6 Claims. (Cl. 123—173)



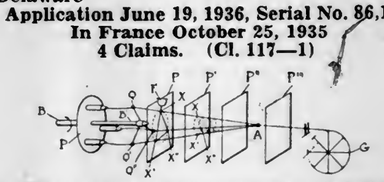
1. A head for the cylinder block of an internal combustion engine, said cylinder block including gas inlet and outlet passageways and cylinders opening to the top of the block, said head being of hollow form to provide a water jacket and including recesses in its underside providing combustion chambers when disposed on said block over said passageways and cylinders, said combustion chambers having smooth uninterrupted internal surfaces and series of ribs formed on the surfaces of the combustion chambers within the water jacket, each of said ribs being of increased area as it is more distant from the gas inlet side of the particular combustion chamber.

2,077,086
METERING MECHANISM
Thomas D. Adair, Quincy, Mass., assignor to Standard Thermometer Inc., Boston, Mass., a corporation of Massachusetts
Application May 8, 1934, Serial No. 724,514
4 Claims. (Cl. 177—351)



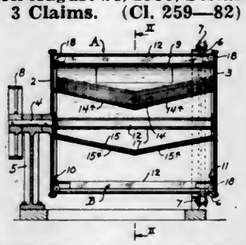
1. In combination, a movable member, a movable contact, a movable element normally positioned adjacent to and spaced from said contact, means for actuating said movable element and said contact in response to movement of said movable member to cause said movable element to move an amount representative of the movement of said movable member and cause said contact to move an amount substantially equal to the movement of said movable member comprising two electrical circuits, one of said circuits including a switch, a motor and a normally closed circuit breaker, said circuits having a common portion including electrical means for actuating said switch, the other of said circuits including said movable member and said contact adapted to be engaged by movement of said member to close said circuit and actuate said electrical means to close said switch whereby the circuit containing said switch is maintained closed after said other circuit is opened by movement of said contact away from said member, and a device actuated by said motor for opening said circuit breaker.

2,077,087
PROCESS FOR OBTAINING AN ARTIFICIAL THREAD OF A FLUFFY CHARACTER
Jean Marie Alibert, Lyon, France, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 19, 1936, Serial No. 86,182
In France October 25, 1935
4 Claims. (Cl. 117—1)



1. The process which comprises twisting two or more cellulose threads about a cone generated by the threads during twisting, extruding cellulose derivative filaments and depositing said filaments on said threads between the base and apex of said cone while effecting an adhesion between the filaments and threads.

2,077,088
APPARATUS FOR MIXING MATERIALS
William C. Anderson, San Francisco, Calif., assignor of one-half to William H. Brooks, Fairfax, Calif.
Application August 24, 1936, Serial No. 97,492
3 Claims. (Cl. 259—82)



1. An apparatus of the character described comprising a cylindrical-shaped horizontally disposed container, means for supporting and rotating the container, said container adapted to receive a plurality of materials to be mixed, and a pair of screens secured within the container, said screens being V-shaped longitudinally and said screens alternately elevating and dropping the material and simultaneously alternately spreading and gathering the material during rotation of the container.

2,077,089
ELECTRIC SWITCH
Harold Kendall Andrews, Stratford, Conn., assignor to Samson-United Corporation, Rochester, N. Y., a corporation
Application May 1, 1934, Serial No. 723,364
13 Claims. (Cl. 200—6)

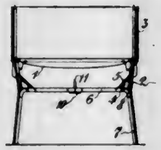
1. An electric switch comprising a casing of insulating material, a combined anchoring member and guide member within said casing, a base plate removably held in place in said casing by said anchoring member, and fixed contact mem-

bers carried by said base plate and held grouped thereby in predetermined positions with relation to said guide member, and a movable contact



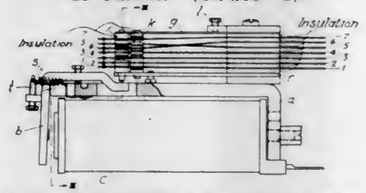
member movable from said insulating contact member to said fixed contact members of said base plate.

2,077,090
FOLDING COT FOR CHILDREN
Théodore Bonny, Chambesy-Geneva, Switzerland
Application January 6, 1936, Serial No. 57,859
In France January 16, 1935
2 Claims. (Cl. 5—112)



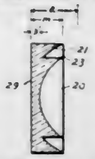
1. A folding cot comprising a central ribbed plate, a group of arms pivoted at one end to said plate and adapted in operative position to project horizontally outwardly from said central plate, a leg pivotally mounted on the outer end of each arm for movement from a folded position parallel to and in contact with its associated arm to a use position substantially perpendicular to said arm, an upright member associated with each arm, each upright member having its lower end detachably connected to the outer end of the associated arm, stays pivotally connected between said arms and associated upright members to maintain the latter in an upright position, and a sheet of fabric detachably connected to the tops of said upright members, said arms, legs and upright members being adapted to be swung about their pivots to occupy positions parallel to each other when folded.

2,077,091
ELECTRIC RELAY
Bertil Johan Brander, Stockholm, Sweden
Application February 8, 1935, Serial No. 5,648
In Sweden February 23, 1934
15 Claims. (Cl. 200—1)



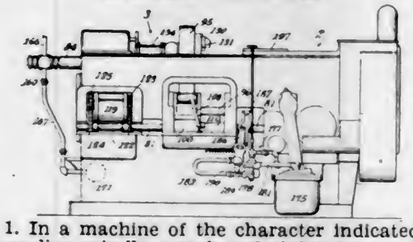
1. A circuit controlling device comprising non-pretensioned movable contact springs, stationary contact springs, an insulating member engaging with and adapted to transmit motion in two opposite directions to said movable contact springs, means operable by an external force for moving said insulating member in one direction, and a common spring means engaging with said insulating member and acting thereon to urge said non-pretensioned movable contact springs towards their normal position or in contact with stationary contact springs.

2,077,092
OPHTHALMIC LENS
Simon Broder, Washington, D. C.
Application January 13, 1936, Serial No. 58,973
2 Claims. (Cl. 88—54)



1. An ophthalmic lens, comprising a refractive material having two ophthalmic surfaces, one of said surfaces having a plurality of negative curvatures of substantially the same radius, the centers of all the curvatures being in concentric axial alignment, the medial lines of each zone of curvature defining areas of substantially equal thickness, whereby the general mass of the lens lies in a thin section.

2,077,093
CHUCKING MACHINE
Robert S. Brown, New Britain, and Elwyn P. Smith, Harwinton, Conn., assignors, by mesne assignments, to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application August 29, 1934, Serial No. 741,890
41 Claims. (Cl. 29—38)



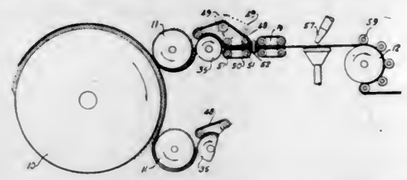
1. In a machine of the character indicated, a threading spindle, a rack and pinion for rotating the latter in forward and reverse directions, crank means for reciprocating said rack, and means for modifying the motion imparted to said rack by said crank means and comprising eccentrically mounted gears.

2,077,094
BUILDING MATERIAL AND METHOD OF MAKING THE SAME
William Byers, Kansas City, Mo.
No Drawing. Application December 26, 1931, Serial No. 583,407
10 Claims. (Cl. 106—18)

1. A building material comprising expanded vermiculite having baked therewith an emulsified resinous binding material.

2,077,095
CARDING MACHINE
Ernest L. Cady, Hartford, Conn., assignor to The E. L. Cady Engineering Company, West Hartford, Conn., a corporation of Connecticut
Application September 4, 1930, Serial No. 479,635
Renewed March 20, 1936
14 Claims. (Cl. 19—106)

1. A doffing device for carding machines comprising in combination, a doffing cylinder adapted to be positioned adjacent a carding roll of a carding machine, a fixed cylinder adjacent said doffing cylinder, a perforated sleeve rotatably surrounding said cylinder adapted to take fibers from said doffing cylinder, and means permitting air to be

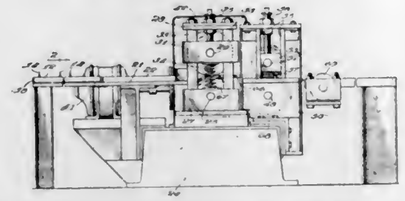


exhausted from and supplied to said fixed cylinder at diametrically opposite portions to aid in removing fibers from said doffing cylinder and from said sleeve.

2,077,096
MANUFACTURE OF CHROMATES
John B. Carpenter, Jr., West Roxbury, and Earl P. Stevenson, Newton, Mass., assignors to Arthur D. Little, Incorporated, Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application July 13, 1932, Serial No. 622,289
3 Claims. (Cl. 23—56)

1. A porous brick comprising a mixture of a suitable carbonate and chrome ore in an amount at least 75% in excess of the theoretical equivalent of the carbonate, said brick being adapted to retain its shape under roasting conditions and containing at least 30% of voids.

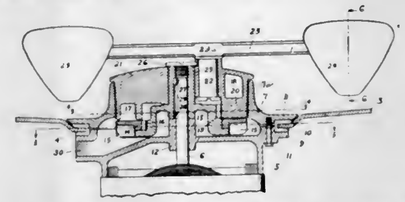
2,077,097
RIVETING MACHINE
Herman H. Diehl, Huntington, W. Va., assignor to The West Virginia Rail Company, a corporation of West Virginia
Application April 29, 1936, Serial No. 77,038
10 Claims. (Cl. 29—33)



1. Riveting means comprising members for receiving rivets between them and setting the rivets, one of said members being in the form of a roll having a peripheral groove to receive ends of the rivets, said groove being of a width less than the thickness of those portions of the rivets which are to be upset.

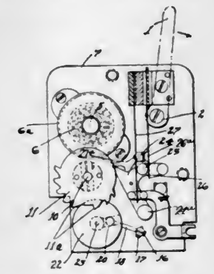
2,077,098
WASHING MACHINE
Russell L. Dort, Davenport, Iowa
Application October 21, 1933, Serial No. 694,636
16 Claims. (Cl. 259—102)

1. In a machine of the character indicated, a tub having an opening in the bottom thereof, a reversible motor having a casing closing the opening in the bottom of the tub, the shaft of the motor passing through the end of the casing and into the tub, a supporting and actuating member mounted on the shaft within the tub, a rotary pump element mounted on the last mentioned element and rotated thereby when the



shaft rotates in one direction but released from driving connection therewith when the shaft rotates in the opposite direction.

2,077,099
FIRE ALARM DISPATCHING MECHANISM
Joseph F. Ebert, Hollis, N. Y., and Tellef A. Terjesen, Hoboken, N. J., assignors to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application August 23, 1934, Serial No. 741,140
4 Claims. (Cl. 185—37)

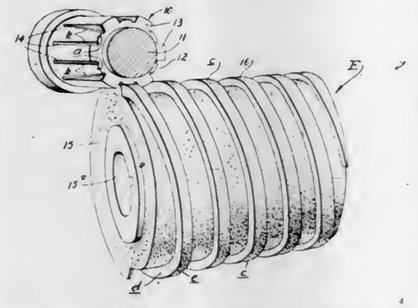


1. In a motor for driving a fire alarm dispatching mechanism, the combination with a rotatably mounted shaft for the purpose of carrying a code wheel and a train of gearing for driving said shaft, said gearing being operated by a spring which is wound upon actuation of the mechanism, of a shaft carrying an escapement pawl for converting rotation of one member of said gear train into oscillatory movement of said escapement shaft, a rotatably mounted damping disk and an adjustable link extending between the surface of said disk and the axis of said escapement shaft for regulating the speed of rotation of said code wheel shaft.

2,077,100
GRINDING ELEMENT FOR AND METHOD OF MAKING SPLINE COUPLINGS
John Edgar, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application February 25, 1933, Serial No. 658,506
7 Claims. (Cl. 51—278)

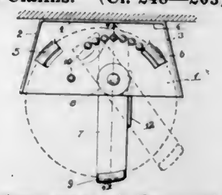
1. An externally tapered rotary grinding element for finish grinding a cylindrical shaft section having a plurality of like, peripherally spaced longitudinal keys of uniform width throughout their lengths and separated by elongated spaces with root surfaces which are inclined to the axis of the shaft and constitute spaced segments of a conical base for said keys concentric to said axis,

and which have clearance grooves along their side margins, said element comprising a cylindrical body, and a substantially uninterrupted helical abrasive thread of uniform lead on the periphery of said body, said thread along its length being uniform in width at the pitchline and uniformly tapered in height relative to the axis of said body, said width being less than the minimum width of said spaces and as great as the maximum width of said root surfaces between said grooves, the top surface of said thread being laterally inclined to define the external axial taper of the grinding element.



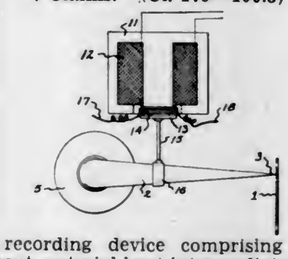
3. The method of making the inside member of a spline coupling having a plurality of similar, equally and peripherally spaced, generally longitudinal keys of uniform width throughout their length and separated by elongated spaces with root surfaces which are laterally arcuate about the axis of said member and longitudinally inclined to said axis to constitute spaced segments of a conical base for said keys concentric to said axis and which have clearance grooves along their side margins, said method comprising providing an axially tapered hob having a series of relieved cutting teeth arranged in a peripheral helical thread of uniform lead extending through a plurality of convolutions, said thread being uniform in width at the pitch line and longitudinally tapered in height relative to the hob axis along its length, the tops of said teeth in any axial plane being laterally inclined to coincide with the external taper of said hob, said teeth having lugs along the side margins of said tops, positioning said hob with its axis at an angle to a perpendicular to said member corresponding to said lead and with the large end thereof off the end and at one side of said member, rotating said member and said hob in timed relation, during said rotation relatively feeding said hob in a rectilinear path inclined to said hob axis and extending diagonally across said member through cutting engagement with said member, providing an externally tapered rotary grinding element having on its periphery a helical abrasive thread of uniform lead equal to the thread lead of said hob, said abrasive thread having a width at the pitch line less than the minimum width of said spaces and as great as the maximum width of said root surfaces between said grooves and being tapered in height along its length relative to the axis of said element at the same degree as said hob thread, the top surface of said abrasive thread having straight-line elements in any axial plane coincident with the external axial taper of said element, positioning said element in the same manner as said hob, rotating said member and said element in the same timed relation as said member and said hob, and feeding said element relatively through said path to finish grind said root surfaces between said grooves.

2,077,101
LANTERN SUPPORT
Frederick B. Embury, Warsaw, N. Y., assignor to Embury Manufacturing Co., Warsaw, N. Y., a corporation of New York
Application May 22, 1935, Serial No. 22,804
4 Claims. (Cl. 248—203)



1. In a lantern support the combination of a base plate, a pair of locking flanges circularly arranged thereon, a locking arm mounted to swing on said base plate eccentric to the circular arrangement of said pair of locking flanges, a locking flange carried by said locking arm and cooperating with said locking flanges of said base plate to hold the base of a lantern or torch between them on said base plate, a lug carried by said locking arm and a series of indentations formed in said base plate concentric to the movement of said lug by said locking arm so as to have said lug engage into said indentations and hold said locking arm in a plurality of adjustable positions on said base plate.

2,077,102
RECORDING DEVICE FOR SOUND ON FILMS
John C. Fardon, Cincinnati, Ohio
Application November 23, 1934, Serial No. 754,476
7 Claims. (Cl. 179—100.3)

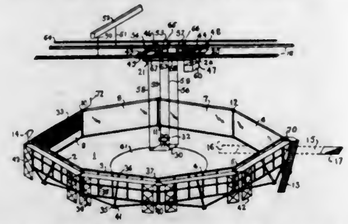


1. A recording device comprising a rod of translucent material bent intermediate its ends so that one end lies substantially at a right angle to the other one of said ends, being pointed, a casing, said unpointed end being mounted on said casing, a source of light in said casing and in optical connection with said end of said rod, and a loud speaker motor having a mechanical connection with said rod near the other end thereof.

2,077,103
BLEACHING PROCESS
Ehrhart Franz, Leipzig, Germany
No Drawing. Application February 9, 1934, Serial No. 710,527. In Germany December 28, 1933
5 Claims. (Cl. 8—2)

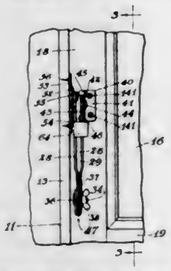
1. The process which comprises the steps of applying to organic fiber to be bleached accelerators free of heavy metal, and of causing aqueous solutions of up to 3% hydrogen peroxide rendered stable by the addition of stabilizers free from heavy metal to act on said organic material, the accelerators locally activating the bleaching.

2,077,104
STAGE APPARATUS
Robert Lewis Geib, Los Angeles, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application March 2, 1934, Serial No. 713,712
2 Claims. (Cl. 88—16)



1. Stage apparatus comprising a plurality of inwardly facing mirrors about a centrally located stage space, a camera, means for suspending said camera, said means being adapted to lower, raise and move said camera horizontally above said centrally located stage space and out of reflective range of said mirrors, a plurality of curtains, means for suspending a curtain in front of each of said mirrors, and means for removing said curtains from said mirrors as said camera is moved above the reflective range of said uncurtained mirrors to control the number of reflections as seen by said camera.

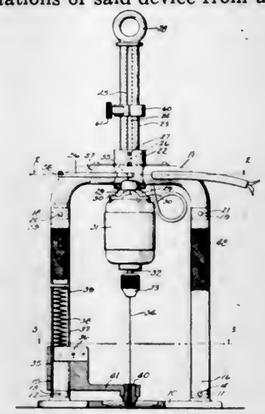
2,077,105
SASH FASTENER
Chester O. Goserud, St. Paul, Minn.
Application December 6, 1930, Serial No. 500,531
24 Claims. (Cl. 292—275)



1. A sash fastener comprising a pair of arms, overlying ears formed on said arms, a friction washer disposed between said ears, a bolt extending through said ears and washer, a nut on said bolt engaging one of said ears for bringing said ears into frictional engagement with said washer, a member issuing outwardly from said last named ear, and means for holding the head of said bolt from rotation, said means being held immovable through said member.

2,077,106
AUTOMATIC MARKING DEVICE
Gordon L. Rashman, Milwaukee, Wis., assignor to Rhea Manufacturing Company, Milwaukee, Wis.
Application September 5, 1936, Serial No. 99,675
9 Claims. (Cl. 164—86)

9. In a device of the class described, a rotating tool, a motor for operating the tool, an electrical circuit for operating the motor, mercury switches arranged in a plurality of directions in said circuit for interrupting a current therethrough on the deviations of said device from a given desired alignment, and means for individually adjusting said mercury switches.



2,077,107
ARTIFICIAL CANDLE
Charles U. Grundman, Palisade Park, N. J.
Application March 14, 1935, Serial No. 10,997
2 Claims. (Cl. 240—52.4)



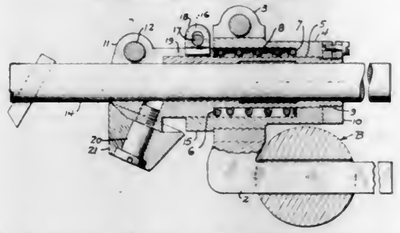
1. A holder and mounting for an electric light socket simulating a candle comprising solely a cardboard, thin walled tube open at opposite ends, having one end slitted to provide a somewhat resilient, split-ring form of mounting for receiving and snugly engaging the plug end of an electric light socket and having the opposite end split at diametrically opposite points to form a bifurcated saddle for straddling the branch of a Christmas tree or similar rod-like support, and said tube forming an unslitted cylindrical portion between the slitted ends.

2,077,108
PROCESS OF PREPARING DYESTUFFS OF THE ANTHRACENE SERIES
Josef Haller, Leverkusen-Wiesdorf, and Georg Rösch, Cologne-Mulheim, Germany, assignors, by mesne assignments, to Durand & Huguenin A.-G., Basel, Switzerland, a corporation of Switzerland
No Drawing. Application March 23, 1933, Serial No. 662,386. In Germany March 26, 1932
6 Claims. (Cl. 260—31)

1. The process which comprises reacting upon a compound selected from the group consisting of a leuco sulfuric acid ester of beta-aminoan-

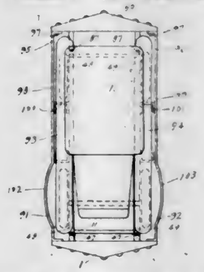
thraquinone and a leuco sulfuric acid ester of beta-aminoanthraquinone acylated in the amino-group, which compounds have a free position alpha to the amino group, with lead dioxide in an alkaline medium, care being taken that the reaction mixture does not become acid during the reaction.

2,077,109
TOOL HOLDER
Armand Jasmin, San Francisco, Calif.
Application January 22, 1936, Serial No. 60,243
2 Claims. (Cl. 29—99)



1. A device of the character described comprising a housing, a tubular tool holder extending longitudinally through the housing and movable therein, a stop member limiting movement of the tool holder with relation to the housing in one direction, a spring interposed between the tubular tool holder and the housing and normally maintaining the stop member in engagement with the housing but permitting movement of the tubular tool holder in the opposite direction, a roller journaled on one end of the tool holder and functioning as a stop member to limit movement of the tool holder and a clamping member on the tubular tool holder to secure a cutting bar which extends therethrough.

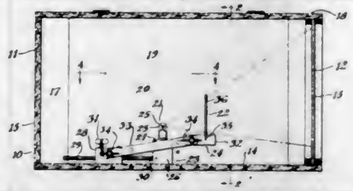
2,077,110
AUTOMOBILE SAFETY BUMPER
Noah L. Johnson, Cincinnati, Ohio
Application August 27, 1936, Serial No. 98,154
8 Claims. (Cl. 293—55)



8. An automobile bumper including a pair of inclined plates, and a plurality of rollers rotatably mounted in said plates, each of said rollers comprising a tube and a cylindrical resilient block in said tube.

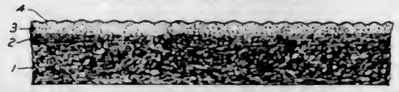
2,077,111
LUMINOUS ADVERTISING APPARATUS
Gordon W. Kent, Canton, Ohio
Application October 31, 1934, Serial No. 750,846
4 Claims. (Cl. 40—130)

1. Unitary optical apparatus for advertising and the like, including a case, one wall of the case having a screen opening, a translucent screen member in the screen opening, another wall of the case having an access opening adapted to be closed, a point source of high intensity light within the case, adjustable means within the case operatively mounting the light source for movement towards and away from the screen, and



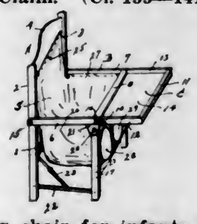
adjustable means within the case adapted for holding a light intercepting member, the adjustable holding means including a base located between the light source and the screen, and swinging frame means pivotally mounting the base for movement between the light source and the screen.

2,077,112
IMITATION LEATHER PAPER
Harvey G. Kittredge and Albert J. Turner, Dayton, Ohio, assignors to The Kay and Ess Chemical Corporation, Dayton, Ohio, a corporation of Delaware
Application December 28, 1934, Serial No. 759,550
1 Claim. (Cl. 91—70)



In a method of making imitation leather which comprises applying to one side only of flexible cellulose material a composition containing rosin modified phenol-formaldehyde resin, raw Chinawood oil, cobalt linoleate, lead linoleate, a thinner and a coloring agent, and drying the coating at a temperature sufficiently high to form a wrinkled leather-like surface bonded to the flexible material by a partial penetration thereof, the temperature of drying not being carried to a point where the flexible cellulose material will be injured.

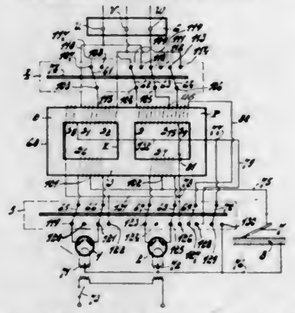
2,077,113
BABY CHAIR BALANCE
Emil J. Klemm, Jr., Salt Lake City, Utah
Application May 14, 1935, Serial No. 21,390
1 Claim. (Cl. 155—141)



In a folding chair for infants the combination of a back formed of two vertical side pieces secured spaced apart by a back rest at the top and a spacer cross piece at the lower end of the side pieces; a tray frame of two sides and a joining front with the sides pivotally connected to the sides of the back; depending legs pivotally secured and suspended from the front end of the tray frame; a cross piece between the lower ends of said legs to space them apart and hold them

in fixed relation to each other; a brace from the lower end of said legs on each side thereof back to the sides of the back said brace on each side being pivotally connected to both the legs and back; a folding bracket for each side of the chair with one end secured to the brace and the other end secured to the side of the back of the chair to lock the chair in extended position for use or permit the chair to be folded into compact space when not in use; and a flexible chair seat suspended from the back rest and from the sides of the tray frame with the front of the seat left loose, the seat forming a pocket like structure with leg openings through the front of the pocket for the legs of the child.

2,077,114
WELDING APPARATUS
Hendrik Abraham Wijnand Klinkhamer, Clamor August Lamberts, Nicolaas Anthony Johannes Voorhoeve, and Frans Hendrik de Jong, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application March 4, 1936, Serial No. 67,170
In the Netherlands March 13, 1935
6 Claims. (Cl. 171—119)



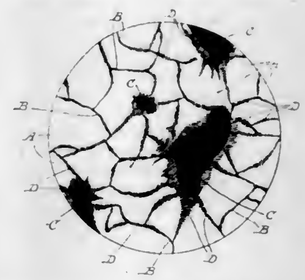
1. A welding apparatus for supplying A. C. and D. C. welding current from a polyphase alternating-current supply comprising, a transformer formed of a plurality of single-phase transformer portions having primary windings and secondary windings, at least one auxiliary winding on said transformer, rectifiers for changing into D. C. current the current supplied by said secondary windings, and switching means for changing the apparatus over to A. C. operation during which the welding current is taken directly from the secondary windings, said means in its A. C. position connecting the transformer in single phase and connecting at least a portion of the primary windings in parallel and at least a portion of the secondary windings in parallel, said means in its A. C. position also connecting said auxiliary winding in series with one of the other windings.

2,077,115
CHRONOLOGICAL INSTRUMENT
Max Knobel, Arlington, Mass.
Application October 31, 1936, Serial No. 108,580
3 Claims. (Cl. 58—117)



1. A chronological instrument comprising an oscillatory member, means for keeping the member in periodic oscillatory motion, and a substantially rigid vane carried by the member in position to catch the air against the broad surfaces thereof and thereby limit the speed and amplitude of such oscillation and prevent overbanking at the ends of the oscillatory movement.

2,077,116
FERROUS ALLOY AND PROCESS OF PRODUCING FERROUS ALLOY
Carl F. Lauenstein, Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Original application April 7, 1933, Serial No. 664,902. Divided and this application December 13, 1934, Serial No. 757,289
6 Claims. (Cl. 148—21.8)



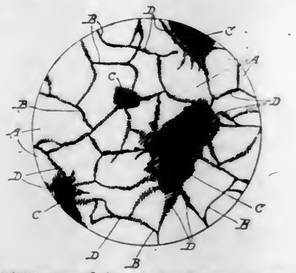
1. A granular ferrous metal, including an alloying element of the carbide forming group of elements consisting of manganese, molybdenum, chromium and vanadium in approximately the following proportions: Manganese .50 to 1.0 per cent; molybdenum .20 to .60 per cent; chromium .10 to .60 per cent and vanadium .10 to .60 per cent, and including ferrite, graphitic carbon and iron carbide, the latter being distributed along the grain boundaries and between the grains of ferrite and about the graphitic carbon.

6. The process of heat treating malleableized cast iron, which iron includes an alloying element of the carbide forming group of elements consisting of manganese .50 to 1.0 per cent; molybdenum .20 to .60 per cent; chromium .10 to .60 per cent and vanadium .10 to .60 per cent, which process includes heating the iron to a point between 1375° F. and 1500° F., quenching and reheating to a point between 900° F. and 1350° F.

2,077,117
FERROUS ALLOY AND PROCESS OF PRODUCING FERROUS ALLOY
Carl F. Lauenstein, Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Original application April 7, 1933, Serial No. 664,902. Divided and this application December 13, 1934, Serial No. 757,290
6 Claims. (Cl. 148—21.8)

1. A granular ferrous metal, including at least one alloying element of the carbide forming group of elements consisting of manganese, molybdenum, chromium and vanadium, in approximately the following proportions: Manganese .50 to 1.0 per cent; molybdenum .20 to .60 per cent; chromium .10 to .60 per cent and vanadium .10 to .60 per cent, together with at least one element of the ferrite alloying group of elements, consisting of nickel, copper and aluminum in proportions up to 1.50 per cent, and including ferrite,

graphitic carbon and iron carbide, the latter being distributed along the grain boundaries and between the grain of ferrite and about the graphitic carbon.



6. The process of heat treating malleableized cast iron, which iron includes an alloying element of the carbide forming group of elements consisting of manganese, molybdenum, chromium and vanadium in approximately the following proportions: manganese .50 to 1.0 per cent; molybdenum .20 to .60 per cent; chromium .10 to .60 per cent and vanadium .10 to .60 per cent and including ferrite, together with an element of the ferrite alloying group of elements consisting of nickel, copper and aluminum, in approximately the following proportions: nickel .50 to 1.50 per cent; copper .35 to 1.00 per cent and aluminum .10 to 1.00 per cent, which process includes heating the iron to a point between 1375° F. and 1500° F., quenching and reheating to a point between 900° F. and 1350° F.

2,077,118
METHOD OF SHAPING
Albert Sidney Lewis, Atlanta, Ga.
Application October 14, 1935, Serial No. 44,942
3 Claims. (Cl. 144—309)



1. A method of producing intaglio designs in fiber board, consisting in placing a blank insert in the table of a rotary cutting machine, moving said table in engagement with said cutter to form an opening in the insert exactly fitting the contour of that portion of the cutter projecting above the surface of the insert a distance equal to the depth of the design to be made, the ends of said opening conforming to the design forming edges of the cutter, and then subjecting the fiber board carried by said table to the cutting action of said cutter to produce in said board the predetermined design.

2,077,119
FRAME SAW
Emil Löf, Stockholm, Sweden
Application October 9, 1935, Serial No. 44,280
In Sweden October 8, 1934
1 Claim. (Cl. 143—84)



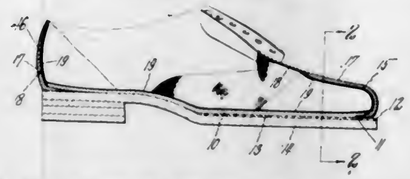
A frame saw, comprising an upright stationary main frame, a horizontally swingable frame connected to said main frame and positioned above the path of the work, and guiding knives supported by said swingable frame and extending freely downwardly into the path of the work when the supporting frame is in operative position.

2,077,120
FASTENING MEANS
Herman G. Lombard, Washington, D. C., assignor to Albert H. Tinnerman, Cleveland, Ohio
Application December 8, 1936, Serial No. 114,825
16 Claims. (Cl. 24—213)



1. A fastening device comprising a head, a shank, said shank comprising leg members integrally united to form a leading end for the device, said leg members extending in diverging relation toward said head and being laterally offset with respect to each other in normal, untensioned relation.

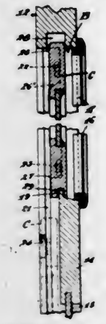
2,077,121
INTERNAL FINISHING OF SHOES
Stanley P. Lovell, Newton, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Application February 7, 1935, Serial No. 5,423
6 Claims. (Cl. 12—142)



1. In the internal finishing of otherwise internally completed shoes equipped with a lining for the shoe upper, that practice which comprises applying a fluent film-forming adhesive to selected localities in the otherwise completed shoe interior, including at least the exposed innersole surface extending forwardly of the front shank line and the joint between the innersole edge and the shoe upper lining, and allowing such applied adhesive to develop into a dry film serving to bond the innersole edge to such lining.

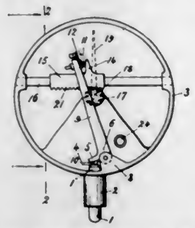
2,077,122
DOOR
Clarence E. Loyd, Los Angeles, Calif.
Application February 13, 1935, Serial No. 6,320
7 Claims. (Cl. 20—36)

1. A door having stiles, a top rail, and an intermediate rail framing an opening, said intermediate rail being spaced inwardly from the inner faces of said stiles, and said stiles being formed with longitudinally extending channels on their inner margins leading from the upper ends thereof past said intermediate rail between the inner face of the rail and the inner faces of the stiles and having spaced recesses leading inwardly from the inner margins thereof adjacent said rails; a window sash having a pair of spaced projections on its side edges extending into said channels and adapted to be positioned in said recesses, said top rail being formed with a channel adapted to receive the upper margin of said sash, and a tongue and slot connection between the lower margin of



the sash and said intermediate rail; said sash having a thickness approximating the inset of the intermediate rail relative to the inner faces of the stiles.

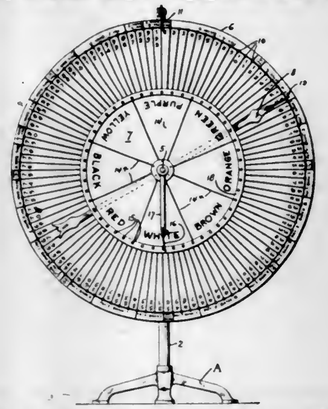
2,077,123
GAUGE
Carl Mahr, Esslingen, Germany, assignor to Carl Mahr G. m. b. H., Esslingen, Germany
Application January 26, 1934, Serial No. 708,392
In Germany March 3, 1933
2 Claims. (Cl. 33—172)



1. A gauge for transmitting and indicating on a large scale minute movements comprising a feeler, a lever having a short and a long arm, a crosshead having an extension and a rack, said short arm engaging said feeler, said long arm engaging the extension on said crosshead, spherically surfaced members interposed between said short arm and said feeler and between said long arm and said extension, the position of at least one of said members being adjustable with respect to the arm to which it is attached thereby rendering the leverage of said lever adjustable for the purposes set forth, a gear engaging said rack, and a pointer attached to said gear.

2,077,124
GAME APPARATUS
Arthur M. Miller, Burlingame, and Daniel O. McLean, San Francisco, Calif., assignors of one-third to Herman Wobber, San Francisco, Calif.
Application July 31, 1936, Serial No. 93,630
6 Claims. (Cl. 273—142)

1. A game apparatus of the character described comprising a support, a spindle thereon, a first and a second-named disc independently rotatable on the spindle, a plurality of pins arranged in circular formation adjacent the peripheral edge of each disc, a pointer arm rotatable on the spindle independently of the discs, said pointer arm having a flexible finger engageable with the pins on the first-named disc, a stationary flexible finger engageable with the same



pins, and a second stationary flexible finger engageable with the pins on the second-named disc.

2,077,125
LAMINATED SHOE STIFFENER
Harold S. Miller, Quincy, and Charles P. MacIver, Newton, Mass., assignors to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Application February 25, 1935, Serial No. 8,044
6 Claims. (Cl. 36—77)

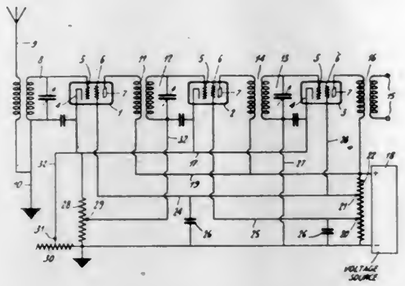


1. A laminated shoe stiffener characterized by its thermoplasticity, as a whole, at temperatures non-injurious to leather and consonant with ready moldability thereof to the shape of a last during the lasting of a shoe upper with which it is assembled, comprising outer layers of fibrous material impregnated and substantially completely filled with a thermoplastic compound of high plasticity and adhesiveness under such temperatures and a layer of essentially only thermoplastic compound in between said outer layers of distinctly lower thermoplasticity than said first-named compound, said in-between layer of compound having little tendency to become dissipated in said layers of fibrous material when said thermoplastic compound in said layers has been brought thermally to high plasticity and adhesiveness.

2,077,126
VOLUME CONTROL ARRANGEMENT
William Joseph O'Brien, Chicago, Ill., assignor to Radio Corporation of America, a corporation of Delaware
Application November 9, 1934, Serial No. 752,274
8 Claims. (Cl. 179—171)

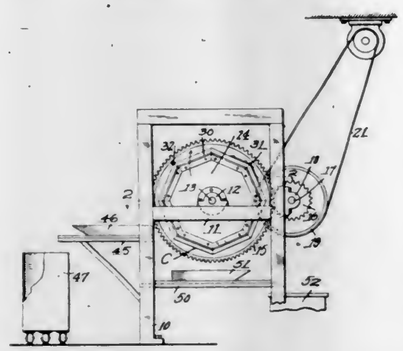
1. An amplifier comprising a plurality of screen grid tubes, each of said tubes having a cathode, a

control grid, a screen grid and an anode, means for applying a positive potential to one of said screen grids, means for applying a lesser positive potential to another of said screen grids and



means for applying such a negative bias voltage to the control grids of each of said tubes that each tube reaches the cut-off point at substantially the same time.

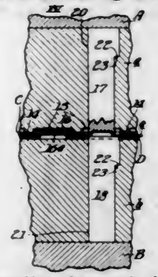
2,077,127
BOBBIN CLEANING MACHINE
Albert J. Owler, Northbridge, Mass., assignor to Paul Whitin Manufacturing Company, Northbridge, Mass., a corporation of Massachusetts
Application April 1, 1936, Serial No. 72,084
5 Claims. (Cl. 28—19)



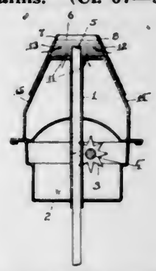
1. A machine for unwinding and removing waste yarn from loom bobbins comprising a revolvable container having a cushioned frictional inner surface and a plurality of inwardly projecting obstructions on the inner face of said container, a closure for said container, and means to rotate said container.

2,077,128
MEANS FOR EMBOSSING SHEET METAL
William J. Pannier, Jr., Pittsburgh, Pa., assignor to Pannier Brothers Stamp Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 9, 1937, Serial No. 119,788
14 Claims. (Cl. 101—28)

1. In combination with the stamping plate holder of a press having outwardly extending supporting portions on a common plane and an alternating depressed area section, a sheet metal embossing plate resting on said outwardly extending portions and having a deformed character portion extending beyond the plate into the depressed area section.



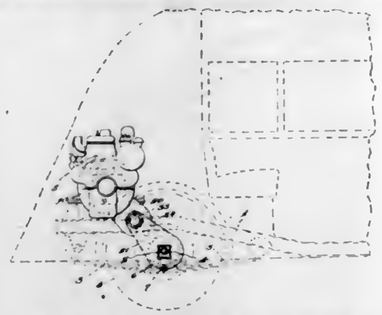
2,077,129
LANTERN BURNER
Alfred J. Perkins, Warsaw, N. Y., assignor to Embury Manufacturing Co., Warsaw, N. Y., a corporation of New York
Application July 11, 1935, Serial No. 30,866
2 Claims. (Cl. 67—53)



1. In a lantern burner in combination with a wick tube of a combined flame spreader and combustion chamber having side and end walls, a bottom and an open top with a substantially oval shaped inlet in the bottom and the end of the wick tube extending across the long axis of the oval shaped inlet to reduce said inlet and divide it into two smaller inlets of gradually diminishing size from the middle towards the ends thereof to provide a restricted flow of air thru said inlets along the sides of the wick tube, said end walls of said combustion chamber extending upwardly at an angle from the ends of said wick tube and away therefrom.

2,077,130
REAR ENGINE DRIVE FOR MOTOR VEHICLES
Carl D. Peterson, Toledo, Ohio, assignor to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia
Application June 24, 1935, Serial No. 28,129
1 Claim. (Cl. 180—70)

In a motor vehicle, the combination with a suitable chassis, driving axle unit including a differential gear and housing, springs supporting the chassis on the driving axle and a power plant unit mounted on the chassis above the axle unit and in the rear of the vertical plane thereof with its axis of rotation substantially paralleling the driving axle unit, the power plant including a gear set and housing in line with the engine; of a propeller shaft including universal joint means, the propeller shaft extending substantially parallel to the axle unit and located out of the vertical plane of the axle unit and to the rear thereof, supports in which the opposite ends of the propeller shaft are journalled respectively, one support being rigid with the gear set housing and inclining downward toward the axle unit and the other support being rigid with the axle unit and



inclining upward toward the power plant unit, gearing between the gear set and one end of the propeller shaft and supported by one of said rigid supports and gearing between the other end of the propeller shaft and the drive gear of the differential and supported by the other of said rigid supports.

2,077,131
GAS MIXING UNIT
Theodore A. Sala, Dallas, Tex.
Application April 6, 1934, Serial No. 719,419
2 Claims. (Cl. 48—184)

1. A gas and air mixing unit, including expansible gas and air chambers, valve means for admitting air to said chambers and axially aligned and interconnected bellows means for expelling air therefrom, a rotary valve in control of openings to said gas chambers, means actuated by the connections between said bellows for rotating said valve, and bellows means for expelling gas from said gas chambers, and means for commingling the air from said air chambers, with the gas expelled from said gas chambers.

2,077,132
HANDLE CONSTRUCTION FOR FLY SWATTERS AND THE LIKE
Adolph F. Shafter, Decatur, Ill., assignor to U. S. Manufacturing Corporation, Decatur, Ill., a corporation of Illinois
Application June 27, 1935, Serial No. 28,659
12 Claims. (Cl. 43—137)

9. A handle member for implements, utensils and the like, comprising, an elongated flat metal member having its upper end formed to provide a securing end portion adapted to be connected to an implement or utensil, the other end of the handle member being bent to form an open rectangular loop with its inner surface flat, the end of said open loop portion of the handle member being split to form two fingers which

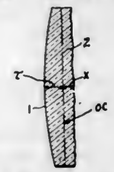


are bent around the body of the handle member to form said open loop, and a gripping element positioned within and secured to said open loop with the flat face of the open loop in engagement with the side faces of the gripping element.

2,077,133
PRODUCTION OF SULPHONIC ACIDS AND THE SALTS THEREOF
Robert L. Sibley, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 17, 1934, Serial No. 735,689
20 Claims. (Cl. 260—1)

3. A method of preparing a new chemical compound comprising interacting rubber with butyl alcohol and sulphuric acid and isolating the product so produced as its sodium salt.

2,077,134
OPHTHALMIC LENS
Edgar D. Tillyer, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application April 14, 1934, Serial No. 720,594
8 Claims. (Cl. 88—54)



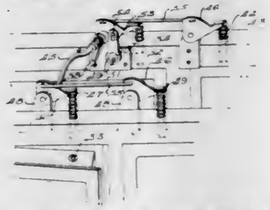
1. A spectacle lens for use in combination with another spectacle lens system for the other eye, for equalizing the measured size difference of images of the two eyes, having prescriptive shape magnifications and prescriptive focal powers for a given distance of object and a given position before the eye in the two major meridians of the prescription for shape magnification and in the two major meridians of the prescription for focal powers, comprising a piece of lens medium of

given refractive index, a front optical surface and a thickness which combined together for a lens medium of said refractive index will produce the prescriptive amount of shape magnifications, in which

$$S^1=\frac{1}{1-s_1D_1}$$

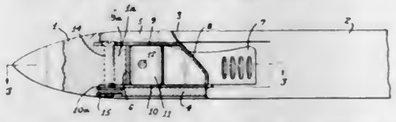
wherein S^1 is the required shape magnification, for each of the major meridians, s_1 is the thickness divided by the refractive index of medium and D_1 is the front surface power of said meridian, and a rear or ocular optical surface of zero effective shape magnification power, which combined with the said front surface, thickness and index of refraction and the position of said ocular surface with relation to the eye, will produce the prescriptive focal powers without change of the said shape magnifications.

2,077,135
DOOR LOCKING MECHANISM
Brooks Walker, Piedmont, Calif.
Application January 6, 1933, Serial No. 650,399
3 Claims. (Cl. 292—33)



1. In a vehicle body having pairs of doors disposed on opposite sides thereof, said doors having apertures in the top rail remote from the hinged side, means above said doors projectable in said apertures, biasing means for retrieving said projectable means from said apertures, and means disconnected from said projectable means for moving said projectable means into said apertures.

2,077,136
LOOM SHUTTLE
Dana L. Wiggin, Southbridge, Mass., assignor to Albert E. Leon, Belmont, Mass.
Application November 27, 1933, Serial No. 699,829
Renewed August 11, 1936
5 Claims. (Cl. 139—207)



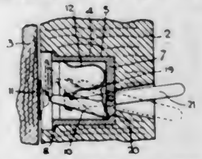
1. A loom shuttle embracing in its construction a bobbin fork structure comprising a bobbin fork having bobbin-holding jaws and a rearward U-shaped shank with an interposed spreader, and a deflector element having an inclined middle portion with rearward top and bottom extensions gripping upon the top and bottom faces of the fork shank and projecting a substantial distance rearwardly of the end of the shank to embrace a solid portion of the shuttle body, a vertical anchoring bolt passing through aligned openings in said top and bottom projections and the interposed solid wood of the shuttle, and a clamping nut attached to the end of said bolt, thereby positively clamping the fork structure directly to the shuttle body rearwardly of said shank.

2,077,137
TUNNEL LINER
Arthur E. Wilkoff, Niles, Ohio, assignor to Youngstown Steel Car Corporation, a corporation of Ohio
Application April 23, 1934, Serial No. 721,979
3 Claims. (Cl. 61—45)



1. A tunnel lining comprising a staggered assemblage of pressed metal liner plates, each having a skin portion and continuous upstanding side and end flanges substantially of uniform thickness, the corners of said flanges at their juncture being relieved providing openings between adjacent plates, connecting means extending through adjacent flanges of adjoining plates to hold said plates together in assembled relation, a closure plate for said openings having a portion welded to said plate and having a part projecting laterally beyond said relieved corners.

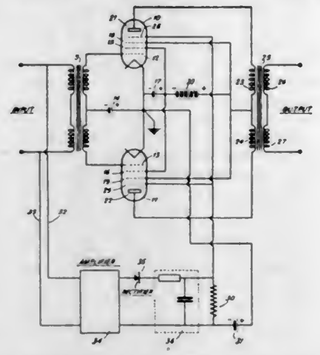
2,077,138
SASH LOCK
William Clifford Witherly, Vancouver, British Columbia, Canada
Application July 31, 1934, Serial No. 737,810. Renewed June 17, 1936. In Canada August 5, 1933
2 Claims. (Cl. 292—226)



1. A sash lock comprising a casing having side walls and a bottom wall, a pawl within the casing adapted to be fulcrumed at two separate points upon the bottom wall, said pawl projecting beyond the casing and being adapted to engage the pulley stile of a window, spring means for urging the pawl into engaging position, and means operable from without the casing for moving the pawl out of engaging position.

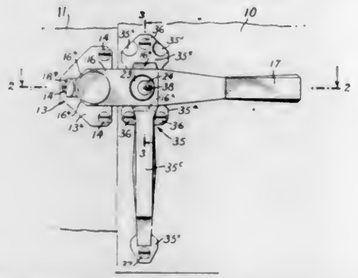
2,077,139
AUTOMATIC GAIN CONTROL CIRCUIT
Hans Barteis and Hans Friedrich, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 12, 1934, Serial No. 725,264
In Germany April 12, 1933
5 Claims. (Cl. 179—171)

1. In combination with a source of electrical waves and a load output circuit, a pair of electron discharge tubes, each of said tubes including a cathode, an input grid, an output anode, a positive grid disposed adjacent said input grid, and a gain control grid disposed between the anode and said positive grid, the input electrodes of said tubes being arranged in push-pull relation, and the output anodes of said tubes being arranged in similar push-pull relation, means for deriving



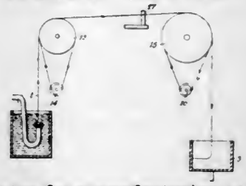
from the electrical waves a direct current voltage whose magnitude is dependent upon the magnitude of said waves, and means for impressing said direct current voltage upon the gain control grids of said tubes in a sense such that the gain of said tubes is inversely related to the amplitude of said waves.

2,077,140
DOOR LOCK CONSTRUCTION
Sigurd Brantingson, Palisades Park, N. J., assignor to Francis Keil & Son, Inc., a corporation of New York
Application January 9, 1935, Serial No. 1,012
7 Claims. (Cl. 70—135)



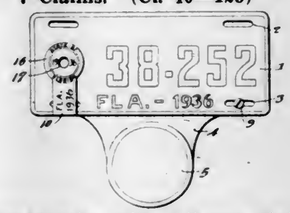
4. In construction of the character described, in combination, a supporting frame structure having means for securing it to a wall adjacent the junction of the edge of the wall with the edge of a door and a member having means for securing it to the door adjacent said junction, a lock arm pivotally supported by said frame structure to swing in a plane across the front of said member, said lock arm having a bolt projectable rearwardly thereof and in a direction toward said member, and said member having two recesses spaced along the arc traversed by said bolt as said lock arm swings, the upper of said recesses being open at a side thereof facing toward the path of movement of said bolt, when projected, as the latter is swung toward said member, and the other of said recesses having opposed side walls whereby the bolt may enter it only when projected rearwardly relative to the lock arm.

2,077,141
METHOD AND APPARATUS FOR SPINNING RAYON
Jean Bruggeman, Alost, Belgium, assignor, by mesne assignments, to Skenandoa Rayon Corporation, Utica, N. Y., a corporation of Delaware
Application August 19, 1933, Serial No. 685,797
12 Claims. (Cl. 18—8)



10. Apparatus for manufacturing rayon thread by the centrifugal spinning method, comprising the combination with a spinneret, a spinning bath, a rotating centrifugal bucket for collecting the thread, and two driven wheels interposed between the spinneret and the collecting bucket for drawing the thread from the spinneret and guiding it to the collecting bucket, of means for progressively changing the relative speeds of the portions of said wheels in contact with the thread in such manner that the tension upon the thread is progressively increased between the wheels during the collection of a cake of thread in the collecting bucket.

2,077,142
AUTOMOBILE LICENSE PLATE HOLDER
William F. A. Buehner, Miami, Fla.
Application July 29, 1936, Serial No. 93,290
7 Claims. (Cl. 40—125)

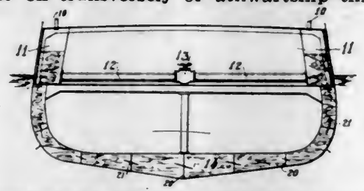


1. In combination with a license plate having an opening and a mounting bracket therefor also having an opening, a mounting bolt fitted through the openings of the bracket and plate, a locking nut fitted on said locking bolt and provided with a guideway portion, a locking housing swingably carried by said plate and swingable to a position to cover said locking nut, and means carried by said locking housing engageable with said locking nut and in the guideway portions thereof to hold and retain said locking case in position over said locking nut to prevent removal of said locking nut from the locking bolt.

2,077,143
MEANS FOR STABILIZING SHIPS WITH FUEL OIL
Edward R. Carroll, Brooklyn, N. Y., assignor of one-third to the firm of Townsend & Decker, New York, N. Y., composed of Henry C. Townsend and Frederick B. Townsend, and one-third to B. J. Curtis and P. J. Quinn, trading as Bunker Fuel Company, a co-partnership
Application January 6, 1932, Serial No. 584,970
6 Claims. (Cl. 114—125)

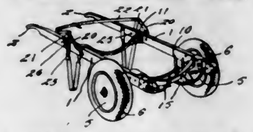
1. In ships using oil for fuel, the combination of wing tanks for storage of oil, and a double bottom

provided with longitudinals joining such tanks, constructed with a multiplicity of oil circulating transverse passages allowing restricted movement of the oil transversely or athwartship through



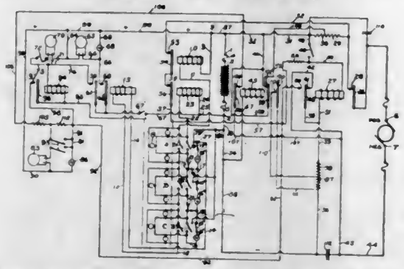
the longitudinals of said double bottom to counteract the roll of the ship and means within such passages to graduate the flow of oil and to seal the passages against oil flow.

2,077,144
HAND TRUCK
John A. Flicker and Cornelius R. Callaghan, Bellevue, Ohio
Application June 8, 1935, Serial No. 25,650
2 Claims. (Cl. 214—65.4)



1. A hand truck including a pair of side bars, a saddle interposed between and connected to the side bars, ground engaging members carried by the side bars, hands pivotally engaged with the saddle and extending forwardly therefrom for coaction with the work to be placed upon the truck, said hands having rearwardly disposed extensions, and a saddle connecting said extensions, said saddle of the extensions maintaining a position above the saddle of the truck when the truck is free of load, the load when received upon the truck engaging the saddle to swing upwardly the forwardly projecting hands, said hands being free to swing when the truck is free of load.

2,077,145
SUPERVISED ELECTRIC SYSTEM
Harry Campbell Grant, Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York
Application September 22, 1934, Serial No. 745,092
1 Claim. (Cl. 177—355)

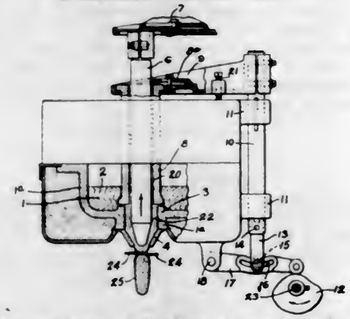


A supervised electric system comprising a plurality of external circuits, each comprising a pair of parallel outer and inner circuit wires and at least one normally open circuit closing device bridged across each pair of wires, an electromagnet, an alarm signal, means whereby said alarm signal is operated upon de-energization of said electromagnet, electroresponsive indicating means for each external circuit, a source of electric potential, means to connect certain of the aforesaid elements in a series circuit comprising in the following order a series connection of the outer wires of each pair of parallel circuit wires, the electro-magnet, a series connection of the several electro-responsive indicating means, a series connection of the inner wires of each pair of parallel circuit wires, and the source of electric potential; means to interrupt the last named series connection of the inner wires of each external circuit at points between each external circuit, means to connect each isolated inner wire of each external circuit to one side of its associated electro-responsive indicating means, means to interrupt the series connection of the electro-responsive indicating means on the sides thereof opposite their points of connection with the aforesaid isolated inner wires, and means to connect the electro-responsive indicating means to one pole of the source of electric potential on the sides thereof opposite their points of connection with the isolated inner wires; whereby upon closing of a normally open circuit closing device on a particular external circuit together with operation of the various circuit interrupting and connecting means, the electro-responsive indicating means of said particular external circuit will be actuated.

2,077,146
MEASURING APPARATUS
Earl R. Hart, Cleveland Heights, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio
Application July 21, 1934, Serial No. 736,390
16 Claims. (Cl. 33—141)

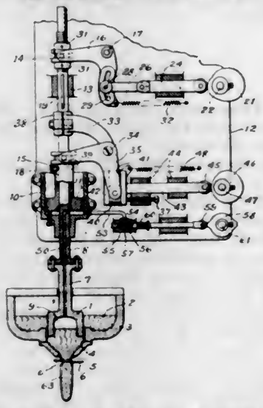
1. In an apparatus for measuring the lengths of pieces of material, a rotatable element having a peripheral portion frictionally engageable with a generally relatively tangentially moving piece to be measured, an electric generator, and means to drive it at speeds constantly proportional to the speed of the rotatable element, an electric motor electrically driven by the generator at speeds constantly proportional to the generator speed, an indicator comprising a movable element driven by the motor, a clutch device operable to effect driving connection and disconnection of the motor with the indicator movable element, means operable by the movement of the piece to effect said clutch operations, and means for holding the movable indicating element in an indicating position after disengagement of the clutch, and means operable by movement of the piece to return the indicating element to a starting position.

2,077,147
GLASS FEEDING METHOD AND APPARATUS
William H. Honiss, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application September 17, 1932, Serial No. 633,617
5 Claims. (Cl. 49—55)



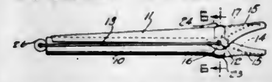
2. The method of feeding a measured charge of molten glass from a supply body thereof by the action of a reciprocating piston in a pump chamber, which consists in forcing a measured volume of glass from the supply body into the top of the chamber around the piston and behind substantially all of the free residual glass therein, by differential atmospheric pressure on the supply body induced by the vacuum created by retractive movement of the piston, and discharging the measured charge from the bottom of the chamber by extrusive movement of the piston with the residual glass in advance of the new glass, thus scavenging the chamber of residual glass, preventing substantial backflow of glass from the chamber to substantially confine the extrusive effect to the charge, and maintaining a mobile body of free molten glass of substantial thickness completely around the piston within the chamber and between the lower end of the piston and the outlet of the chamber at all positions of said piston, to prevent entrance of air to the chamber.

2,077,148
GLASS FEEDING METHOD AND APPARATUS
William H. Honiss, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application September 17, 1932, Serial No. 633,619
29 Claims. (Cl. 49—55)



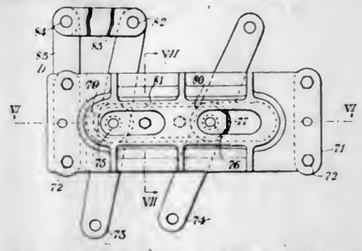
1. The method of feeding a measured charge of molten glass from a supply body thereof, which comprises forcing a column of glass from the supply body into a pump chamber, and temporarily segregating the glass in the chamber from the supply body while forcibly discharging through a separate outlet of the chamber a portion of the segregated glass to constitute the measured charge, by the action of a plunger operating as a piston in the glass in the chamber augmented by extrusive pneumatic pressure applied through the plunger to the glass in the chamber while that glass is segregated from the supply body.

2,077,149
HAIR CURLER
William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application March 26, 1936, Serial No. 70,921
6 Claims. (Cl. 132—41)



1. In a hair curler, a tubular member having lugs at opposite sides adjacent one end, a semi-tubular member having lugs at opposite sides adjacent one end, the lugs of the semi-tubular member overlapping the lugs of the tubular member, inwardly extending annular bearings on the lugs of the semi-tubular member, apertures in the lugs of the tubular member which fit on said bearings to pivotally connect the two members together, a wire loop element having inturned ends that pass inwardly through said bearings, and a clamp tightly embracing said inturned ends intermediate the bearings.

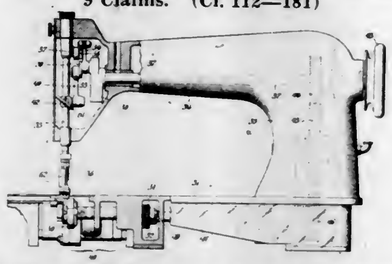
2,077,150
RAILWAY SWITCH OPERATING APPARATUS
William C. McWhirter and Edwin G. Little, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application June 13, 1933, Serial No. 675,590. Divided and this application June 1, 1935, Serial No. 24,572
2 Claims. (Cl. 74—479)



1. A lever stand comprising a base casting formed with a hollow central portion and provided at its sides with guide surfaces, a top casting secured at its ends to said base casting and formed with a hollow central portion and provided with a guideway and with two guide surfaces which extend parallel to the guide surfaces on said base casting, two straps secured together in parallel spaced relation within said top and said base casting and adapted to move along the longitudinal axis of said two castings through a limited distance, two pivot pins mounted in said two straps, two rollers journaled on said two pivot pins respectively and riding in said guideway, and two floating levers pivoted intermediate their ends on

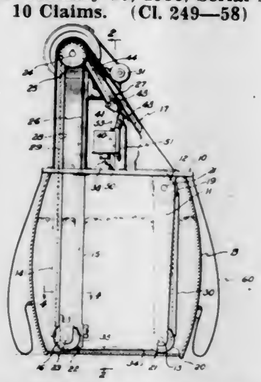
said two pivot pins respectively and slidably supported on the guide surface on said base casting and held in place vertically by the guide surfaces on said top casting and guided laterally by the rollers on the associated pivot pins.

2,077,151
SEWING MACHINE
Carl O. Nelson, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application November 19, 1934, Serial No. 753,671
9 Claims. (Cl. 112—181)



1. In a sewing machine, a rotary hook and a bobbin holder having annular interengaging bearing elements interrupted for a relatively small portion of their circumferences to afford clearance spaces permitting release of the needle thread loop as it pass over the bobbin holder, and reciprocatory mechanism for taking up the needle thread loop with an accelerating velocity, the clearance spaces of said bearing elements being so disposed as to permit release of the needle thread loop before it attains its maximum velocity, and one of the bearing elements having the end adjacent to its clearance space shaped to ease the thread loop preparatory to its release, thereby preventing its being drawn taut against the surface of said bearing element.

2,077,152
WEIGHING MACHINE
Leon J. Nowak, Jr., Buffalo, N. Y.
Application January 10, 1936, Serial No. 58,466
10 Claims. (Cl. 249—58)



1. A measuring apparatus comprising an inclined chute having an open lower end, means for delivering material to be measured to the upper portion of the chute for movement therethrough under the force of gravity, the length and inclination of the chute being such as to cause material flowing therethrough to continue to flow in space in a substantially solid stream after discharge from said lower end, a scale disposed adjacent said lower end, said scale having a movable package-receiving platform adapted to sustain a package adjacent to, but out of, the normal course of said stream, a deflector connected to said platform, said deflector being so disposed with respect to said stream that it enters the course thereof and diverts a portion of the stream into the package on said platform, said deflector being totally removed from said stream when said package is loaded with a predetermined quantity of material.

2,077,153
SHIRT POCKET
Arthur Lipshie, New York, N. Y., assignor to Salant & Salant, Inc., New York, N. Y., a corporation of New York
Application October 15, 1936, Serial No. 105,657
5 Claims. (Cl. 2—247)

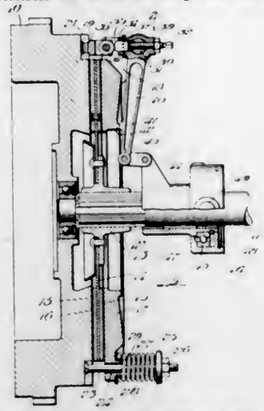


1. The combination with a shirt body, of a pocket comprising an inner wall secured to said shirt body along its lateral sides and bottom for forming an inner pocket and an outer wall having a restricted portion secured to said inner wall intermediate the sides of the inner wall to form an outer pocket, said outer wall having a cover section covering said outer pocket, and seams for securing said cover section to said inner wall at the sides and bottom of the cover section, said seams extending through the lower end part of said restricted portion, said inner wall and the shirt body.

2,077,154
CLUTCH
William J. Pearmain, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application October 30, 1935, Serial No. 47,453
7 Claims. (Cl. 192—68)

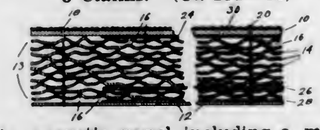
1. In a clutch, the combination with a friction plate attachable to a rotary part, a pair of gripping members connectible to a second rotary part and disposed on opposite sides of the plate, one of said members having projections on one face thereof and the other of said members constituting a floating plate movable axially relative to the other member, and springs for maintaining the driving engagement of the members and friction plate, of unloading mechanism for releasing said engagement comprising bell crank levers rockably mounted on the floating plate, and means for actuating one arm of each lever, the

other arms fulcruming against the associated projections to thereby disengage the floating plate, the radius of each lever pivot being greater



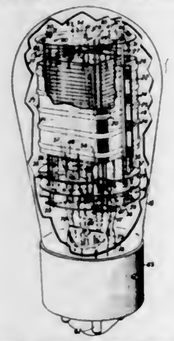
than the radius of the associated projection thereby providing for a quick releasing movement of the levers to free the floating plate for return to gripping position.

2,077,155
SOUND ABSORBING STRUCTURE
Theodore M. Prudden, Hingham Center, Mass.
Application November 15, 1935, Serial No. 49,904
8 Claims. (Cl. 154—44)



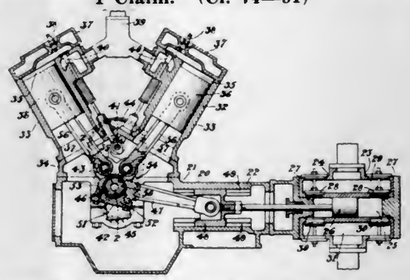
1. An acoustic panel including a multiplicity of closely superposed, limp, loosely-draped, light, thin sheets capable of individual vibration, the material of said sheets being distorted to provide elevations distributed over the faces thereof, the elevations of one sheet being loosely engaged with a confronting sheet and separating said sheets.

2,077,156
ELECTRON DISCHARGE DEVICE
Victor L. Ronci, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 27, 1935, Serial No. 18,518
8 Claims. (Cl. 250—27.5)



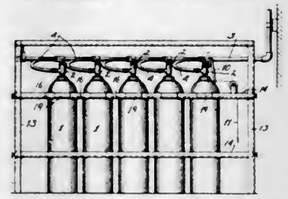
1. An electron discharge device comprising a pair of polygonal anode members disposed one within another and having their corresponding sides parallel, a plurality of helical grids disposed one between each pair of corresponding sides of said anode members, a cathode having a plurality of sections disposed one within each of said grids, a mount for the inner anode member, and means carried by said mount supporting the cathode sections.

2,077,157
CONNECTING DEVICE
Henry V. D. Schreck, Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application April 3, 1935, Serial No. 14,419
1 Claim. (Cl. 74—51)



Apparatus of the character described, comprising a plurality of power cylinders and a compressor cylinder having their axes in the same plane, pistons in the cylinders, a crank shaft having a crank pin, a cross-head interposed between the crank pin and the piston in the compressor cylinder, a rod on the cross-head having a side aperture to receive the crank pin, a closure for the aperture extending into the aperture and having a curved surface to seat against the crank pin, and connecting rods for the remaining pistons pivotally connected to the first mentioned rod adjacent the bearing.

2,077,158
CO_2 EXTINGUISHING SYSTEM
Carlisle F. Smith, Elmira, N. Y., assignor, by mesne assignments, to American-La France-Foamite Corporation, a corporation of New York
Application May 5, 1933, Serial No. 669,460
4 Claims. (Cl. 169—11)



1. In a system of the kind described, a row of flasks of compressed CO_2 or like gas having flask valves normally confining the gas pressure therein, a horizontal discharge manifold extending adjacent and parallel to said valves and a series of flexible connector tubes connecting said respective valves to said manifold, each said tube being substantially horizontal for a length materially greater than the distance separating said manifold from the row of valves and having a degree of vertical flexibility suited to accommodate the individual weighing of its flask while connected to the manifold.

4. A CO_2 fire-extinguishing system comprising a fixed structure composed of uprights with one or more horizontal members supported thereon,

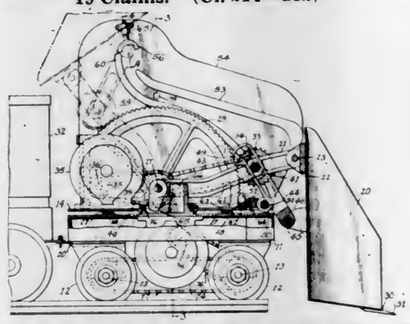
a row of gas flasks laterally supported thereby and each flexibly connected to a common delivery conduit, said flasks being normally all positioned at a common level but being vertically movable with reference to said fixed structure to permit individual weighing of them in place, each flask having a disc-closure and carrying the rupturing means therefor, a control device adapted to be set in action in time of fire carried on said fixed structure and having flexible actuating means extending therefrom into connection with said rupturing means, said control device being operative, through said flexible means, in the elevated as well as the normal positions of said flasks, the horizontal member of said fixed structure being organized and adapted to support a weighing instrument adjacent any one of said flasks, whereby any of them can be weighed in place without impairing the efficiency of the system.

2,077,159

POWER SHOVEL

Charles E. Stoltz, Chicago, Ill., assignor to Mancha Storage Battery Locomotive Company, Chicago, Ill., a corporation of Illinois

Application April 20, 1935, Serial No. 17,419
19 Claims. (Cl. 214—132)



1. In a power shovel, the combination of a frame, a beam horizontally pivoted on said frame, a scoop pivoted on said beam, means for swinging said beam about a horizontal axis, and means for controlling movement of said scoop upon swinging movement of said beam and moving the forward end of said scoop longitudinally forwardly of said frame and thence upwardly to a discharge point rearwardly of said frame including a controlling member extending rearwardly from said scoop at a point spaced downwardly from the axis of pivotal connection of said beam thereto when said scoop is in a loading position, and adapted to be actuated by engagement with said frame for moving said scoop forwardly of said frame during the last part of the downward and initial upward movement of said beam, and a supporting guide on said frame extending longitudinally therealong adapted to have supporting engagement with said scoop for guiding and supporting said scoop in a loaded condition to a discharge position beyond the rearward end of said frame.

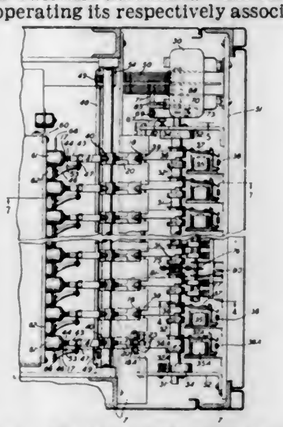
2,077,160

RADIO TRANSMITTER

Henry D. Wilson, Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 14, 1934, Serial No. 735,177
7 Claims. (Cl. 250—17)

1. In a radio transmitter adapted to generate oscillations of a plurality of frequencies, a plurality of transmitting units, each unit generating oscillations of a different band of frequencies, a group of switches associated with each of said units for operating its respectively associated unit,



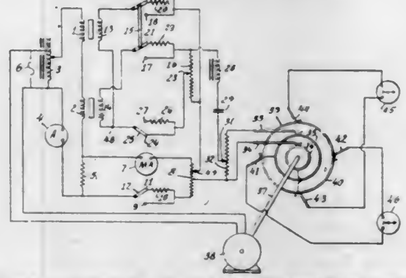
an elevator rod associated with each of said groups, a plurality of bell cranks actuated by each elevator rod, one bell crank operating each switch of the group, and means for actuating any one of said elevator rods as desired.

2,077,161

MAGNETIC ANALYSIS METHOD

Theodor Zuschlag, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York

Application March 23, 1934. Serial No. 716,942
8 Claims. (Cl. 175—183)



1. The method of magnetic analysis which comprises setting up alternating fluxes in a primary circuit by means of alternating current, inducing two secondary currents in a secondary circuit placed in inductive relationship with said primary circuit, opposing said currents in the secondary circuit, neutralizing the resultant differential current in said secondary circuit by varying the resistance thereof and by introducing thereinto an auxiliary primary current in phase with the primary current, inserting a standard of known magnetism affecting properties and a specimen to be tested in inductive relationship with the secondary circuit, breaking up the resultant secondary current into two components and integrating the two components.

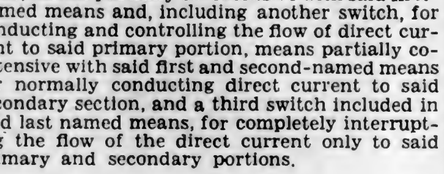
2,077,162

SECURING MEANS FOR CORRUGATED SHEETS

Harry R. Ansel, Columbus, Ohio

Application January 22, 1934, Serial No. 707,762
14 Claims. (Cl. 108—33)

1. A sheet metal structure comprising a pair of sheets each having an edge portion folded thereupon and parallel therewith and spaced therefrom approximately the thickness of said sheet, the fold of each sheet being oppositely directed relatively to that of the other and overlying the opposite face of its respective sheet relatively to the other, said folds being separably nested each within the other, said folds all being corrugated with a single, simple, concentric curve



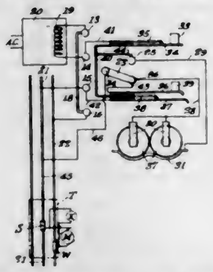
at the corrugation apex, all branches of said folds extending on both sides of said apex, and an anchor arm having a corresponding curvature and insertable within said nested folds, extending beyond the apex of said curve and provided with a toe positively engaging the free edge of a branch of one of said folds, embracing said branch, and overlying three nested branches of said folds.

2,077,163

CONTROL BOX

William T. Bailey, New York, N. Y.

Application June 11, 1936, Serial No. 84,665
2 Claims. (Cl. 104—149)



1. In combination, a source of alternating current, a source of direct current, a current take-off member comprising a primary portion and a secondary portion, means, including a switch, for conducting and controlling the flow of alternating current to said primary and secondary portions, means partially co-extensive with said first-named means and, including another switch, for conducting and controlling the flow of direct current to said primary portion, means partially co-extensive with said first and second-named means for normally conducting direct current to said secondary section, and a third switch included in said last named means, for completely interrupting the flow of the direct current only to said primary and secondary portions.

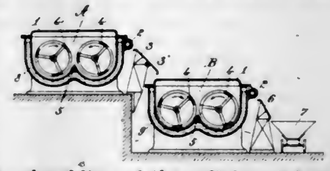
2,077,164

PRELIMINARY MATURING OF ALKALI-CELLULOSE

Rudolf Brandes, Chemnitz, Germany

Application January 7, 1935, Serial No. 802
In Germany January 23, 1934
11 Claims. (Cl. 260—10)

1. In a process for the accelerated preliminary maturing of alkali-cellulose, in which the cellulose is alkalized, pressed and shredded, the steps of subjecting the alkalized and pressed cellulose to an elevated temperature of about 50° C. for a period of approximately one hour and mixing and loosening the cellulose simultaneously therewith



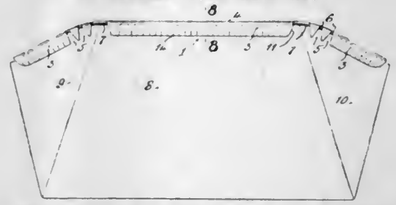
before the shredding of the cellulose takes place, and carrying out the shredding operation at a normal temperature.

2,077,165

METHOD OF FRAMING HANDBAGS

Charles William Cheney, Birmingham, England

Application January 9, 1936, Serial No. 58,254
In Great Britain January 15, 1935
3 Claims. (Cl. 150—29)



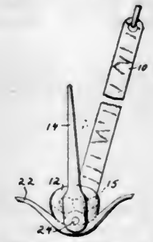
1. The herein described method of applying a metal inlay of U-shape cross section to the edge of the flexible material forming the gusseted compartment of a bag, purse or the like and to the rigidly built frame of said bag, purse or the like, which consists in cutting away predetermined opposite portions of the side walls of the inlay to leave only the bendable crown webs between the adjacent rigid portions of the inlay, fixing said inlay to said edge while said side wall and gusset parts are opened out flat by bending the inlay by hand to conform to the outline of the opened-out edges inserting said edges into said inlay, and thereafter clinching the sides of said inlay on to said edges, and finally bending the fixed inlay by hand to the outline of the rigid frame to receive it and fixing it therein.

2,077,166

ANCHOR

James E. Clement, New Baltimore, Mich., assignor of one-half to Rasmus H. Ross, Detroit, Mich.

Application March 23, 1935, Serial No. 12,599
1 Claim. (Cl. 114—208)



In an anchor construction, a shank, fluke portions, a crown connecting the fluke portions, and means connecting the shank and crown for limited pivotal movement, comprising pin portions projecting from the shank and into the

crown, spaced pivot openings for the pin portions extending on both sides of the shank and on both sides of the general plane of the fluke portions, including a connecting opening having a re-entrant portion through which the pin portions may travel from one side of said plane to the other, said re-entrant portion tending to maintain the pin portions on one side or the other thereof, fluke actuating means projecting laterally with respect to the flukes from the crown and having lost motion connection with the crown, whereby tension upon the shank tends to throw the fluke portions towards one side or the other of the shank, depending upon which of said spaced pivot openings the pin portions occupy, and such action, when the anchor is dragged upon its side, may be aided by the resistance of the fluke actuating means.

2,077,167

METHOD OF MAKING PIGMENTED PROTECTIVE COATINGS

Jean Crouet, Saint Just-en-Chaussee, France, assignor to Weeks & Co. (London) Limited, Middlesex, England, a limited British company

No Drawing. Application May 9, 1933, Serial No. 670,217. In France May 10, 1932

5 Claims. (Cl. 134—58)

1. The process for treating a pigment for rendering it completely deflocculated when incorporated in a vehicle, which comprises determining the particle size and specific gravity of a selected quantity of a commercial pigment, determining from this particle size and specific gravity the amount of a substantially water-insoluble fatty acid compound of the class consisting of the fatty acids of glyceride oils and fats and the glycerol esters thereof required to produce a coating of true mono-molecular thickness on every pigment particle in the selected quantity of the pigment, dissolving the said quantity of fatty acid compound in an organic solvent which is freely miscible with the chosen vehicle in which the pigment is to be incorporated, and incorporating the resulting fatty acid compound solution in the said quantity of the commercial pigment, thereby directly producing a water-free pigment composition that can be completely dispersed in the said chosen vehicle and remains completely dispersed in the vehicle for indefinitely long periods of time without tendency to flocculate.

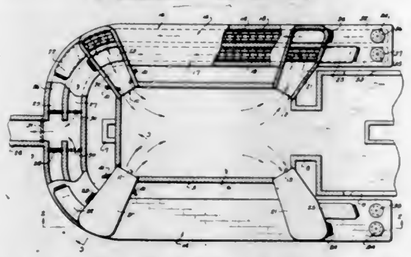
2,077,168

FURNACE

John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application June 19, 1933, Serial No. 676,514

8 Claims. (Cl. 49—54)



1. A glass melting furnace including a substantially rectangular melting tank and a regenerative corner system of firing associated therewith in which the flames travel continuously in the same direction.

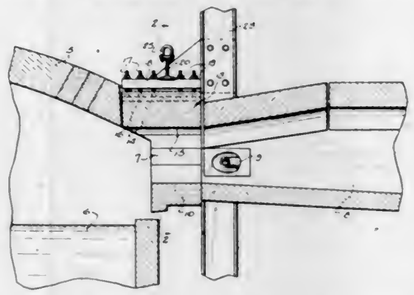
2,077,169

FURNACE

Edward G. Green, Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application July 5, 1934, Serial No. 733,755

2 Claims. (Cl. 263—46)



1. In a furnace construction, the combination of a heating chamber and a substantially horizontal fuel port at one side thereof communicating therewith, the port structure comprising a horizontal bottom wall, spaced substantially vertical side walls and an arch, said arch embodying a plurality of vertically disposed refractory blocks arranged side by side in freely contacting relation with the two outer blocks being disposed above and resting freely upon said side walls to form a substantially closed port, means for supporting said blocks and for effecting vertical adjustment thereof relative to one another, and means for moving said blocks as a unit into or out of operative position.

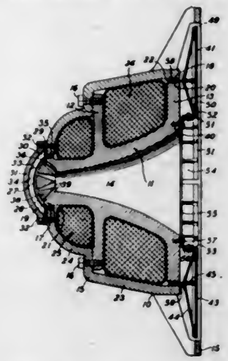
2,077,170

ACOUSTIC DEVICE

Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 29, 1936, Serial No. 66,401

20 Claims. (Cl. 181—32)



1. An acoustic device comprising a diaphragm having a plurality of radially arranged rigid segments hinged together along adjacent edges.

2,077,171

PROCESS FOR PRODUCTION OF FERTILIZERS

Edward W. Harvey, New Brunswick, N. J., and Russell M. Jones, Sheffield, Ala., assignors to The Barrett Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application February 26, 1934, Serial No. 713,046. In Canada December 18, 1930

3 Claims. (Cl. 71—43)

2. The process for the preparation of fertilizers which comprises treating superphosphate material with ammonium nitrate in the proportions of above about 40 pounds ammonium nitrate to every 1000 pounds of said superphosphate and with ammonia in amount substantially greater than 23 pounds of ammonia for every 1000 pounds of superphosphate.

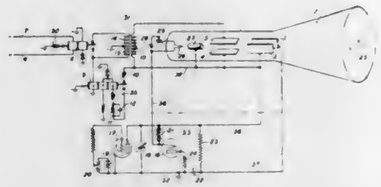
2,077,172

TELEGRAPH SIGNAL DISTORTION MEASURING DEVICE

Richard B. Hearn, Hollis, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 19, 1934, Serial No. 758,158

7 Claims. (Cl. 178—69)



2. Apparatus for indicating and measuring the distortion of telegraph signals, which comprises a source of incoming start-stop signals, a relay responsive to the signals from said source, a cathode ray tube, a transformer responsive to the operation of said relay, an output circuit for said transformer for causing the ionic beam of said tube to oscillate in a definite path, a timing circuit comprising a second relay responsive to the signals repeated by the first-mentioned relay, an oscillator controlled by said second relay and arranged to operate at the frequency of the signals of said source, an element in said tube for causing, in response to the operation of said oscillator, the ionic beam of said tube to be deflected to either side of said definite path when distortion is present in the signals of said source.

2,077,173

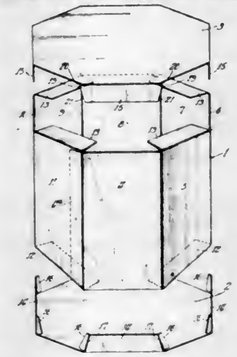
CONTAINER

Mitchel E. Holy, Posen, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware

Application August 24, 1935, Serial No. 37,725

4 Claims. (Cl. 229—23)

1. A box member consisting of a polygonal bottom part with tabs on alternate sides and a side part in the form of a continuous band with creases dividing it into panels equal in number and width to the sides of said bottom part, said side part having tabs at the bottom of alternate panels, said bottom part tabs being wider than the panels and having the portions that extend past their panel narrow enough to admit the side



tabs between them and the body portion of the bottom part.

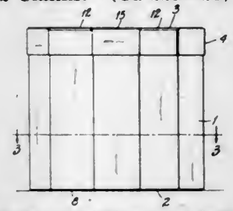
2,077,174

FOLDING BOX

Meade Hyndman, St. Louis, Mo., assignor to Rosenthal Paper Company, St. Louis, Mo., a corporation of Missouri

Application September 11, 1935, Serial No. 40,017

2 Claims. (Cl. 229—23)



1. A box body consisting of a bottom piece in the form of a twelve-sided polygon and tabs on alternate sides and a side piece in the form of a continuous band with creases dividing it into panels equal in number and width to the sides of said bottom piece, said side piece having tabs at the bottom of alternate panels, said bottom tabs being wider than the panels and having the portions that extend past their panel narrow enough to admit the side tabs betwen them and the body portion of the bottom piece.

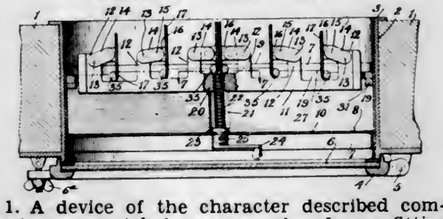
2,077,175

PORTHOLE VENTILATOR

Kennard Kornbau, Valentine Kromm, and Harry L. Kohl, New York, N. Y.

Application April 17, 1936, Serial No. 74,866

6 Claims. (Cl. 98—110)



1. A device of the character described comprising, a port-hole, an annular frame fitting within the port-hole, a plurality of shutter blades pivoted in said frame and adapted when in their closed positions to seat on said frame, a housing

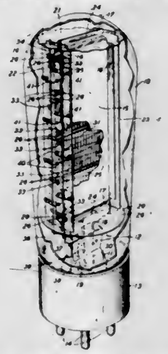
extending transversely of the frame and secured thereto at diametrically opposite points, an actuating member in the form of a bar movable back and forth in said housing axially of the frame, screw-threaded means for moving said actuating member, and toggle connections between the blades and actuating member whereby said blades can be opened and closed by movements of the actuating member.

2,077,176
SYRINGE OR APPLICATOR
Herman B. Lermer, Newark, N. J., assignor to Hygienic Tube & Container Company, Newark, N. J., a corporation of New Jersey
Application March 3, 1936, Serial No. 66,779
1 Claim. (Cl. 128—261)



A device of the class described, comprising a tube made from a transparent material, a rod slidably mounted in the tube, said tube having the ends thereof turned inwardly back along and parallel to the inner wall of the tube to provide flanges serving as stops to limit the movements of the rod.

2,077,177
ELECTRON DISCHARGE DEVICE
James O. McNally, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 27, 1935, Serial No. 18,489
14 Claims. (Cl. 250—27.5)



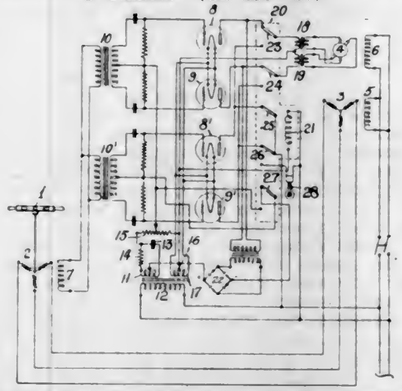
1. An electron discharge device comprising a hollow anode, an insulating frame having arms extending across the sides of said anode, a plurality of grid electrodes within said anode and disposed side by side, means supporting said grid electrodes from said arms, a plurality of cathode elements within said grid electrodes, and supporting means on said arms engaging said cathode elements.

2,077,178
AUTOMATIC LANDING GEAR
Arthur George Mirel, New York, N. Y.
Application June 19, 1934, Serial No. 731,232
8 Claims. (Cl. 244—102)



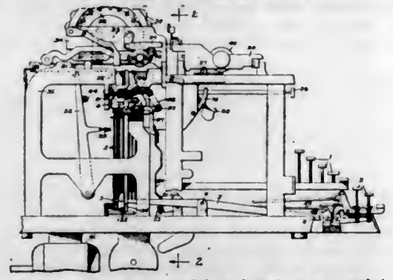
1. The combination with an airplane, of an automatic landing gear, comprising a pair of pivotally mounted wheels, adapted to normally assume an inoperative position offering the least or no air resistance, a ground-contacting member, also pivotally mounted, and operatively connected with said wheels, said member adapted to normally assume a depending position, a spring-controlled mechanism forming the operative connection between said wheels and said member, and serving, together with the latter, as shock-absorber for the airplane during alighting, said member adapted, when brought in contact with the ground, to actuate said mechanism, which in turn translates the movement of said member to said wheels, thereby bringing them into swung-down, ground-engageable, operative position.

2,077,179
STANDBY TUBE SYSTEM
Francis L. Moseley, Pelham, N. Y., and John L. Bird, Radburn, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 7, 1934, Serial No. 751,808
5 Claims. (Cl. 250—27)



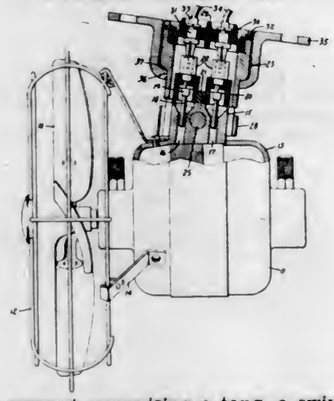
1. In an electron tube system, an electron tube having a filament, grid and plate, means for heating the filament, supplying suitable plate voltage thereto and for controlling the grid thereof, a standby electron tube having a filament, grid and plate, the filament, plate and grid of which are normally supplied from said first named means, and rectifier means for supplying a rectified grid bias potential to said standby tube from the plate circuit of said first tube, such rectified grid bias potential being of such magnitude and polarity as to render said standby tube normally inoperative, said rectifier means becoming inoperative upon the failure of said first tube, whereby upon failure of such tube said rectified grid bias potential is removed so that said standby tube becomes operative.

2,077,180
CALCULATING MACHINE
Robert L. Muller, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application February 3, 1934, Serial No. 709,571
4 Claims. (Cl. 235—60)



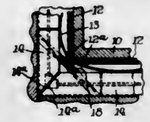
1. A calculating machine having a register, a single set of ten amount keys, plural order differential and printing mechanisms controlled by said keys for normally entering an amount indexed in said keys in certain orders of said register and printing said amount by corresponding orders of said printing mechanism, said printing mechanism having means normally operative for causing automatic printing of ciphers to the right of the orders in which digits are indexed, a control key, means controlled thereby when said key is in one position for causing an amount indexed on said keys to be entered in certain orders of said register differing from said first mentioned orders and to be printed by corresponding different orders of said printing mechanism, and means conditioned by said control means when in said position for temporarily splitting said printing mechanism to disable the means for causing automatic printing of ciphers to the right of the orders in which said latter mentioned amount is printed, said latter means being automatically returned to normal condition at each cycle of machine operation.

2,077,181
SUPPORT
Harold F. Morse, Southport, Conn., assignor to General Electric Company, a corporation of New York
Application July 7, 1936, Serial No. 89,321
6 Claims. (Cl. 173—338)



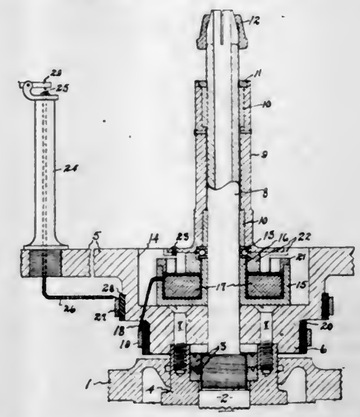
1. A support comprising a tang, a swivel link, a bolt passing through said tang and in threaded engagement with said link, a retaining ring located around said link adapted to prevent the loosening of said bolt, and a flange secured to said link.

2,077,182
PISTON AND PACKING THEREFOR
Sven T. Nelson, Michigan City, Ind.
Application October 28, 1933, Serial No. 695,565
3 Claims. (Cl. 309—22)



1. The combination with a rectangular piston body formed with side and corner grooves, of packing therefor, comprising straight packing strips occupying said side grooves, spring backings in said side grooves behind said strips, corner blocks occupying said corner grooves and formed with rectangular wear surfaces, and individual spring backings in said corner grooves behind said corner blocks.

2,077,183
MAGNETIC MEANS AND METHOD OF TENSIONING
Edward G. Parvin, Roselle, N. J., assignor, by mesne assignments, to Syncro Machine Company, Newark, N. J., a corporation of New Jersey
Application February 6, 1936, Serial No. 62,591
1 Claim. (Cl. 117—42)



In a mechanism of the type described the combination comprising a spindle, a coil supporting sleeve journaled on said spindle, a magnetizable member connected to said sleeve and having a plurality of poles, a magnetizable stator having a plurality of poles mounted on a fixed support with respect to said sleeve and adjacent said magnetizable member, and means for creating an alternating current magnetic field in said stator whereby increase in the speed of rotation of said sleeve as a coil mounted thereon is reduced in diameter by a feed of the material therefrom will result in a reduction of the resistance to rotation of said member in said field to maintain a substantially uniform tension in the material fed from the coil.

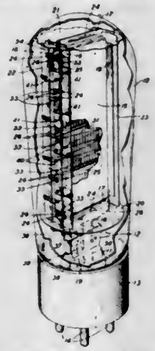
extending transversely of the frame and secured thereto at diametrically opposite points, an actuating member in the form of a bar movable back and forth in said housing axially of the frame, screw-threaded means for moving said actuating member, and toggle connections between the blades and actuating member whereby said blades can be opened and closed by movements of the actuating member.

2,077,176
SYRINGE OR APPLICATOR
Herman B. Lermer, Newark, N. J., assignor to Hygienic Tube & Container Company, Newark, N. J., a corporation of New Jersey
Application March 3, 1936, Serial No. 66,779
1 Claim. (Cl. 128—261)



A device of the class described, comprising a tube made from a transparent material, a rod slidably mounted in the tube, said tube having the ends thereof turned inwardly back along and parallel to the inner wall of the tube to provide flanges serving as stops to limit the movements of the rod.

2,077,177
ELECTRON DISCHARGE DEVICE
James O. McNally, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 27, 1935, Serial No. 18,489
14 Claims. (Cl. 250—27.5)



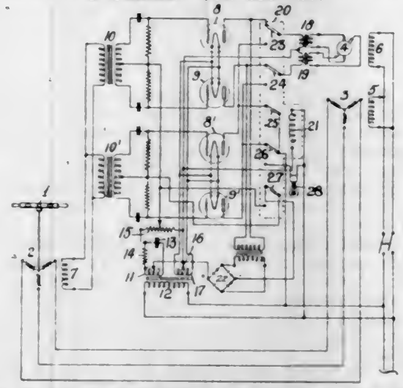
1. An electron discharge device comprising a hollow anode, an insulating frame having arms extending across the sides of said anode, a plurality of grid electrodes within said anode and disposed side by side, means supporting said grid electrodes from said arms, a plurality of cathode elements within said grid electrodes, and supporting means on said arms engaging said cathode elements.

2,077,178
AUTOMATIC LANDING GEAR
Arthur George Mirel, New York, N. Y.
Application June 19, 1934, Serial No. 731,232
8 Claims. (Cl. 244—102)



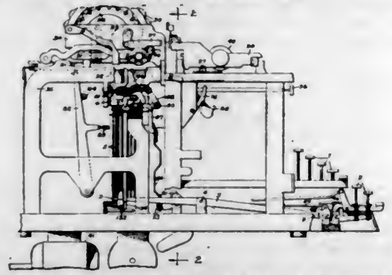
1. The combination with an airplane, of an automatic landing gear, comprising a pair of pivotally mounted wheels, adapted to normally assume an inoperative position offering the least or no air resistance, a ground-contacting member, also pivotally mounted, and operatively connected with said wheels, said member adapted to normally assume a depending position, a spring-controlled mechanism forming the operative connection between said wheels and said member, and serving, together with the latter, as shock-absorber for the airplane during alighting, said member adapted, when brought in contact with the ground, to actuate said mechanism, which in turn translates the movement of said member to said wheels, thereby bringing them into swung-down, ground-engageable, operative position.

2,077,179
STANDBY TUBE SYSTEM
Francis L. Moseley, Pelham, N. Y., and John L. Bird, Radburn, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 7, 1934, Serial No. 751,808
5 Claims. (Cl. 250—27)



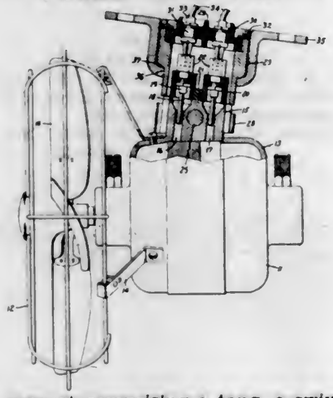
1. In an electron tube system, an electron tube having a filament, grid and plate, means for heating the filament, supplying suitable plate voltage thereto and for controlling the grid thereof, a standby electron tube having a filament, grid and plate, the filament, plate and grid of which are normally supplied from said first named means, and rectifier means for supplying a rectified grid bias potential to said standby tube from the plate circuit of said first tube, such rectified grid bias potential being of such magnitude and polarity as to render said standby tube normally inoperative, said rectifier means becoming inoperative upon the failure of said first tube, whereby upon failure of such tube said rectified grid bias potential is removed so that said standby tube becomes operative.

2,077,180
CALCULATING MACHINE
Robert L. Muller, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application February 3, 1934, Serial No. 709,571
4 Claims. (Cl. 235—60)



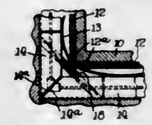
1. A calculating machine having a register, a single set of ten amount keys, plural order differential and printing mechanisms controlled by said keys for normally entering an amount indexed in said keys in certain orders of said register and printing said amount by corresponding orders of said printing mechanism, said printing mechanism having means normally operative for causing automatic printing of ciphers to the right of the orders in which digits are indexed, a control key, means controlled thereby when said key is in one position for causing an amount indexed on said keys to be entered in certain orders of said register differing from said first mentioned orders and to be printed by corresponding different orders of said printing mechanism, and means conditioned by said control means when in said position for temporarily splitting said printing mechanism to disable the means for causing automatic printing of ciphers to the right of the orders in which said latter mentioned amount is printed, said latter means being automatically returned to normal condition at each cycle of machine operation.

2,077,181
SUPPORT
Harold F. Morse, Southport, Conn., assignor to General Electric Company, a corporation of New York
Application July 7, 1936, Serial No. 89,321
6 Claims. (Cl. 173—338)



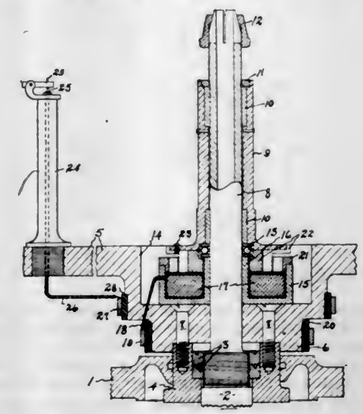
1. A support comprising a tang, a swivel link, a bolt passing through said tang and in threaded engagement with said link, a retaining ring located around said link adapted to prevent the loosening of said bolt, and a flange secured to said link.

2,077,182
PISTON AND PACKING THEREFOR
Sven T. Nelson, Michigan City, Ind.
Application October 28, 1933, Serial No. 695,565
3 Claims. (Cl. 309—22)



1. The combination with a rectangular piston body formed with side and corner grooves, of packing therefor, comprising straight packing strips occupying said side grooves, spring backings in said side grooves behind said strips, corner blocks occupying said corner grooves and formed with rectangular wear surfaces, and individual spring backings in said corner grooves behind said corner blocks.

2,077,183
MAGNETIC MEANS AND METHOD OF TENSIONING
Edward G. Parvin, Roselle, N. J., assignor, by mesne assignments, to Syncro Machine Company, Newark, N. J., a corporation of New Jersey
Application February 6, 1936, Serial No. 62,591
1 Claim. (Cl. 117—42)



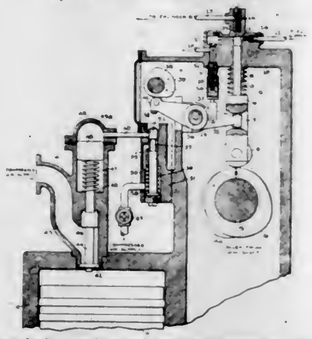
In a mechanism of the type described the combination comprising a spindle, a coil supporting sleeve journaled on said spindle, a magnetizable member connected to said sleeve and having a plurality of poles, a magnetizable stator having a plurality of poles mounted on a fixed support with respect to said sleeve and adjacent said magnetizable member, and means for creating an alternating current magnetic field in said stator whereby increase in the speed of rotation of said sleeve as a coil mounted thereon is reduced in diameter by a feed of the material therefrom will result in a reduction of the resistance to rotation of said member in said field to maintain a substantially uniform tension in the material fed from the coil.

2,077,184
FISHLINE FLOAT
William P. Rader and Jesús Cisneros, Robstown, Tex., assignors of one-third to Hermenegildo P. Gonzales, Robstown, Tex.
Application October 25, 1935, Serial No. 46,798
6 Claims. (Cl. 43—49)



1. A float for fishing tackle comprising a buoyant body having a radial longitudinal slot opening through one side thereof and having inwardly converging walls, line guides positioned on the opposite ends of said body respectively through which a line may extend and in which the line may freely move, and resilient means on said body to be engaged by said line, but which allows the line to slip with respect to the float by the pull of the sinker and hook on the line while the float is in the water, and which retains the float in adjusted position on the line when the tackle is withdrawn from the water, said converging walls being engageable with the line to positively hold the float in the adjusted position on the line.

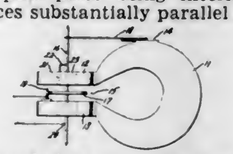
2,077,185
INTERNAL COMBUSTION ENGINE
Alfred Renner, Berlin-Tegel, Germany, assignor to General Electric Company, a corporation of New York
Application February 24, 1933, Serial No. 658,428
In Germany March 12, 1932
8 Claims. (Cl. 60—16)



1. In an internal combustion engine, the combination of a cylinder, a cam shaft, means including a pump having a plunger provided with a slot operated by the cam shaft for supplying fuel to the cylinder, a regulating shaft, a lever having an eccentric on the regulating shaft and one end entering said slot in the plunger, a relief and a suction valve for the pump, one of said valves being connected to the lever, and means for starting the engine including a maneuvering shaft for limiting the movement of the lever, and means operated by the lever for supplying compressed air to the cylinder.

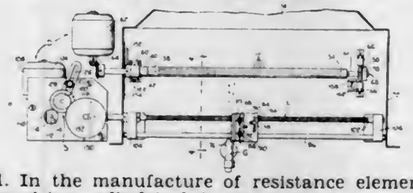
2,077,186
CURRENT RESPONSIVE DEVICE
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 22, 1936, Serial No. 107,002
6 Claims. (Cl. 171—95)

1. A current-responsive device comprising in combination, a field structure having a pair of pole pieces, a relatively rotatable member, and a pair of current-conducting spirals, one of said pole pieces having substantially parallel pole faces on either side thereof and the other of said pole pieces being forked, the inner surfaces of the forked portion being substantially parallel to form pole faces, said first pole piece and said forked pole piece being interleaved with their pole faces substantially parallel and spaced



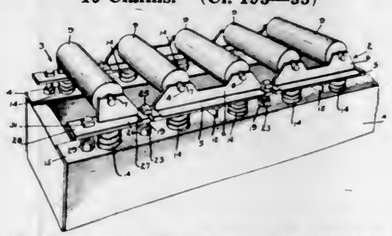
to form a pair of air gaps, said current-conducting spirals each being mounted in one of said air gaps substantially parallel to said pole faces, the outer ends of said current-conducting spiral being mechanically connected to said field structure and electrically insulated therefrom and the inner ends of said current-conducting spirals being mechanically and electrically connected to the rotatable element, the latter element having an axis of rotation substantially perpendicular to said pole faces.

2,077,187
METHOD AND APPARATUS FOR MANUFACTURING ELECTRICAL RESISTANCE ELEMENTS
Henry G. Richter, Westfield, N. J.
Application July 12, 1934, Serial No. 734,811
29 Claims. (Cl. 91—45)



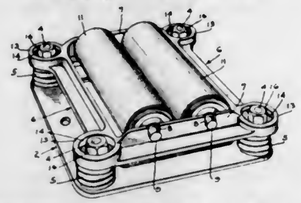
1. In the manufacture of resistance elements comprising cylindrical insulation rings peripherally coated with a resistance film, the method which includes stacking the rings in side by side coaxial relation with relatively soft yieldable absorbent washers therebetween to form a cylinder, rotating said cylinder, applying resistance paint to said rotating cylinder, and subsequently drying and baking the resistance elements.

2,077,188
ROLLER CONVEYER
Hubert M. Rishel, Edwardsville, Ill., assignor to Mathews Conveyer Company, Ellwood City, Pa., a corporation of Pennsylvania
Application March 23, 1936, Serial No. 70,202
10 Claims. (Cl. 193—35)



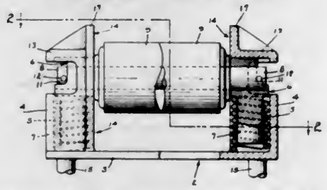
1. In a conveyer for transporting loads, a plurality of resilient roller supports, a plurality of freely rotatable rollers carried by said supports, and means for holding said resilient supports under compression independently of the weight of the roller or load, said means holding each of said supports under a substantial amount of compression and said rollers being arranged to rotate freely irrespective of the weight of the load or the compression of the resilient supports.

2,077,189
ROLLER CONVEYER
Hubert M. Rishel, Edwardsville, Ill., assignor to Mathews Conveyer Company, Ellwood City, Pa., a corporation of Pennsylvania
Application March 23, 1936, Serial No. 70,203
7 Claims. (Cl. 193—35)



1. A conveyer comprising a plurality of independent conveyer units arranged in spaced relation lengthwise of the conveyer, each of said units having a resiliently mounted conveyer roller, and means for pre-compressing the resilient mounting of each unit independent of the other units, said rollers each being freely rotatable at all times independent of the weight of the load transported thereover.

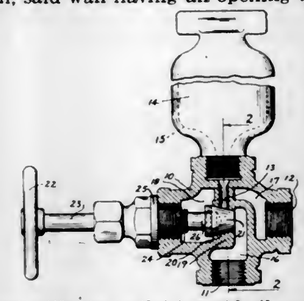
2,077,190
ROLLER CONVEYER
Hubert M. Rishel, Edwardsville, Ill., assignor to Mathews Conveyer Company, Ellwood City, Pa., a corporation of Pennsylvania
Application March 23, 1936, Serial No. 70,204
7 Claims. (Cl. 193—35)



3. A conveyer unit comprising a base member having upwardly extending vertical guides thereon, springs within said guides, an axle supported on the springs, a conveyer roller mounted on the axle, and means for retaining the springs under a substantial pre-compression independent of the weight of the roller and its associated parts.

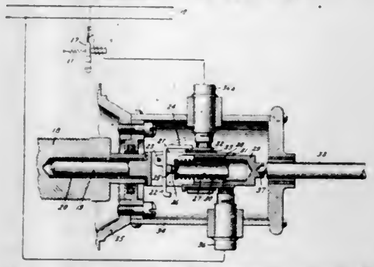
2,077,191
PRESSURE VALVE AND OILER
Frank L. Staley, Branford, Conn., assignor to Etta F. Dow, Branford, Conn.
Application June 15, 1934, Serial No. 730,708
4 Claims. (Cl. 184—55)

4. In a combined valve and oiler, an oil container having an outlet, a valve casing to which said container is secured and having a wall substantially in alignment with the outlet in said oil container separating said casing into chambers, and an inlet and an outlet communicating with the chambers respectively, an opening forming a valve seat in said wall connecting said chambers, an axially reciprocable valve arranged for movement substantially at right angles to said wall to engage said seat to close the opening in said wall, said wall having an opening therein in



alignment with the outlet in said oil container to connect the same with the valve seat opening in said wall.

2,077,192
EMERGENCY SPEED GOVERNOR
Donald F. Warner, Lynn, and Reginald G. Standerwick, Marblehead, Mass., assignors to General Electric Company, a corporation of New York
Original application August 20, 1931, Serial No. 558,339. Patent No. 2,020,977, dated November 12, 1935. Divided and this application May 11, 1935, Serial No. 21,052
2 Claims. (Cl. 200—80)

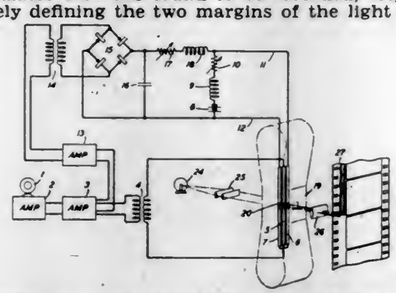


1. An emergency speed governor comprising a rotatable spindle having an end portion forming a yoke, a flyweight eccentrically pivoted on the yoke, a metal ring secured to the yoke and in conductive relation therewith, another metal ring insulated from the first ring and rotatable therewith, said other metal ring being normally in conductive relation with the flyweight, a stationary casing, two brushes held on the casing, each brush engaging one of the rings, means for biasing the flyweight against the action of centrifugal force comprising a coil spring coaxially disposed within the inner ring, and means including a member supported on the stationary casing for adjusting the spring during operation.

2,077,193
RECORDING SYSTEM
Edward C. Wente, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 4, 1935, Serial No. 52,915
8 Claims. (Cl. 179—100.3)

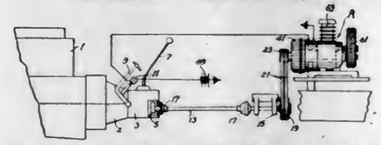
2. The method of recording sounds upon a photographic sound track which comprises projecting light upon an opaque element having its axis aligned with the longitudinal axis of the sound track, forming an image of said element

upon the sound track, said image occupying substantially one half the lateral width of the sound track, laterally oscillating said element in accordance with the sound to be recorded, respectively defining the two margins of the light im-



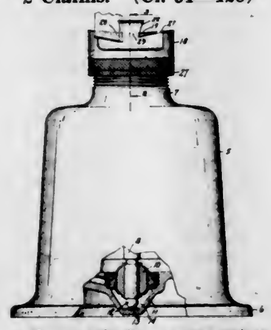
pressed upon the sound track by means of two elements having their axes aligned with the longitudinal axis of the sound track and laterally displacing said last two elements in accordance with the envelope of the amplitude variations of the sound.

2,077,194
VEHICULAR TRANSMISSION SYSTEM
Anthony Winther, Kenosha, Wis., assignor to Martin P. Winther, Waukegan, Ill., as trustee
Application October 6, 1934, Serial No. 747,159
15 Claims. (Cl. 74—11)



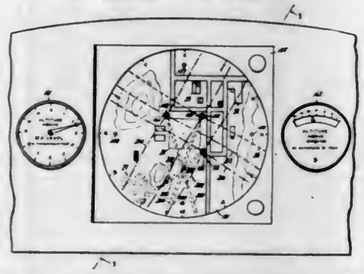
1. In a vehicle, a prime mover, at least one driving road wheel, a mechanical connection between said prime mover and said wheel, an openable clutch in said connection, a power take-off delivering energy from said prime mover, a loaded driven means receiving said energy by way of said power take-off, and means automatically responsive to opening of said clutch for removing the load from said driven means only when the clutch is moved to be disengaged.

2,077,195
CUTLERY GRINDER
Nathan H. Adams, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 12, 1934, Serial No. 734,778
2 Claims. (Cl. 51—128)



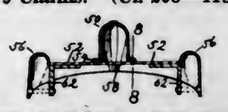
1. In a cutlery grinding apparatus, the combination of a motor provided with a casing, and a shaft projecting therefrom, a grinding wheel mounted on said shaft, an adjustable cover for said casing and wheel provided with a guide slot arranged substantially radially to said grinding wheel and provided with two sides, each of which is arranged at a predetermined angle to the wheel surface for respectively guiding tools having cutting edges formed by two surfaces at different angles to each other.

2,077,196
AIRPLANE LANDING FIELD USING DIRECTIONAL RADIO BEAMS
Ernst F. W. Alexanderson, Schenectady, N. Y., and John Hays Hammond, Jr., Gloucester, Mass., assignors to General Electric Company, a corporation of New York
Application December 1, 1931, Serial No. 578,380
19 Claims. (Cl. 250—11)



2. In a system for guiding moving craft in a certain area, a plurality of radiating systems in said area, each of said radiating systems including means to produce a radiation continuously during the period when a moving craft is guided, said continuously produce radiation having a distinctive character in a particular direction, a chart of said area carried by the craft having the positions corresponding to said radiating systems indicated thereon, and means on the craft controlled by each of said radiating systems and equally sensitive to energy received from all directions for indicating on the chart, in response to said radiations continuously received, the bearing of said craft with respect to the respective radiating system, and means whereby said means indicate a point moving over said chart in accordance with the movement of said craft in said area.

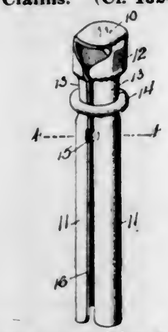
2,077,197
VELOCIPEDE FRAME
Bert J. Anderson, Hammond, Ind.
Application September 26, 1935, Serial No. 42,303
9 Claims. (Cl. 208—113)



5. A velocipede frame substantially T-shaped in plan formation, the forward end of the longitudinal portion of said frame being apertured to receive a steering post, the sides of said longitudinal portion being turned downwardly and spaced apart, means for maintaining said sides in spaced apart relation, said means including an apertured stamping the forward portion of said stamping being of substantially channel formation, the flanges of said forward portion being secured to the exterior surface of the front part of the frame, the rear portion of said stamping

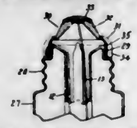
being flat and secured to the interior surface of the frame near the rear end thereof, each end of the transverse portion of the frame comprising an integral apertured fender, a saddle shaped seat formed of the frame itself intermediate the ends, and means for positioning an axle beneath the transverse portion of said frame.

2,077,198
HAIR CURLER
Carl E. Anderson, East Orange, N. J., assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J.
Application June 19, 1936, Serial No. 86,038
5 Claims. (Cl. 132—33)



1. A hair curler comprising a sheet metal body portion bent to form a transverse end, a tapered neck and a pair of parallel hair engaging tongues, and a ring encircling the tapered neck.

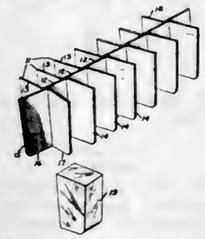
2,077,199
ELECTRIC LAMP
Heinrich Asmussen, Berlin-Steglitz, Germany, assignor to General Electric Company, a corporation of New York
Application August 21, 1936, Serial No. 97,263
In Germany August 29, 1935
2 Claims. (Cl. 176—32)



2. An electric device comprising a bulb having a neck portion and a base comprising a metal shell surrounding at least a portion of the bulb neck and an end eyelet, said bulb neck and base shell having interlocking engagement means therein for preventing relative rotation therebetween, a layer of shellac between said bulb neck and said base shell for preventing the base from wabbling, and a leading-in wire having a portion thereof sealed in a portion of the bulb and an end thereof secured fixedly to said base end eyelet, said leading-in wire being tightly stretched between said bulb and base and constituting the sole means for holding said base firmly on said bulb neck against longitudinal displacement.

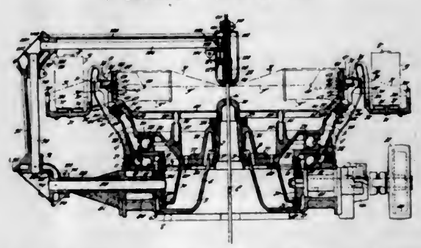
2,077,200
FREEZING TRAY
Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 1, 1935, Serial No. 8,872
4 Claims. (Cl. 62—108.5)

1. In combination with a freezing tray, a removable partition assembly comprising a plurality of similar flexible metallic partition elements, each of said partition elements having a longitudinally extending portion and oppositely extending transverse portions at each end of said longitudinally extending portion, said partition elements being arranged in series with a part of



the surface of said longitudinal portion of each of said partition elements in abutting relation with said part of the surface of the longitudinal portion of another of said partition element, said abutting surfaces of said partition elements being rigidly secured together.

2,077,201
BRAIDING MACHINE
Willard W. Bardsley, Providence, R. I., assignor to Wardwell Braiding Machine Company, Central Falls, R. I., a corporation of Maine
Application July 5, 1935, Serial No. 29,803
7 Claims. (Cl. 96—5)



1. In a braiding machine, the combination of a plurality of sets of supplies adapted to be traveled about the axis of the machine in concentric paths located in substantially the same horizontal plane, means for traveling said sets of supplies in opposite directions, driving mechanism for said means, a fixed annular element arranged axially of the machine above the path of the supplies and so constructed and arranged as to direct the yarns from one set of supplies in a path substantially perpendicular to the axis of the machine, an annular element reciprocable with respect to the fixed annular element to cause it to press the yarns downwardly to free them therefrom, means for reciprocating said second annular element, and means connected with the driving mechanism of the machine and located outwardly beyond the path of travel of the supplies for actuating said reciprocating means from the driving mechanism of the machine.

2,077,202
MILKING PAD
William E. Barrie, East Corinth, Vt.
Application November 9, 1935, Serial No. 49,091
3 Claims. (Cl. 31—80)

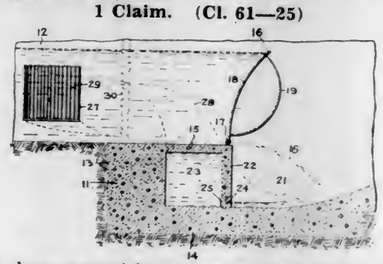
1. A milking pad comprising a retaining strap merging at its center into a widened portion, a

bottom portion coacting with said widened portion to form a sack, and a filling for said sack,



said filling and sack being elongated and almost elliptical in form.

2,077,203
DAM
Theodor Becher, Wiesbaden, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg, A. G., Nuremberg, Germany, a corporation of Germany
Original application September 18, 1935, Serial No. 41,079. Divided and this application December 3, 1936, Serial No. 113,997. In Germany September 27, 1934
1 Claim. (Cl. 61—25)



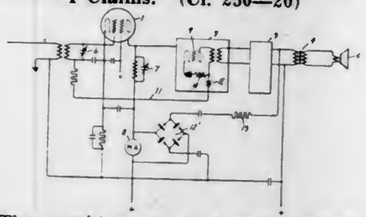
A dam comprising a main body disposed on the bed of a stream and having an upper portion and a lower portion, with a vertical wall connecting both portions, the lower portion constituting a cavity extending across the stream the entire length of the dam, an end wall projecting upwardly from each end of the dam, a movable flap hingedly connected along one edge to the upper portion of the dam adjacent said vertical wall, said flap being adapted to be disposed in said cavity when swung downwardly from an upright position, an enclosed channel formed in the dam on the upstream side of said vertical wall, said channel being coextensive with the cavity and being spaced therefrom by said vertical wall, a series of slots formed in the dam between the bottom of said channel and the bottom of said cavity through which water can flow from the channel into said cavity, said slots extending throughout the entire length of the channel, a by-pass formed in one end of the dam and connecting the channel with the head water above the dam, and means for controlling the amount of water flowing through said by-pass.

2,077,204
PIEZOELECTRIC OSCILLATING CRYSTAL
Rudolf Bechmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 27, 1935, Serial No. 51,738
In Germany December 10, 1934
6 Claims. (Cl. 171—327)



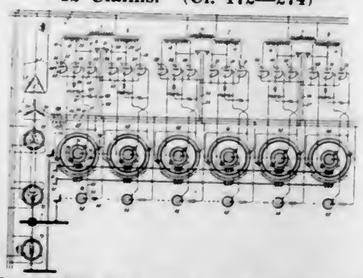
2. A piezo-electric oscillating crystal characterized in that said crystal is provided with bores in which rod-shaped support carriers are cemented for mounting said crystal, the cement for binding said support carriers having electrical conductivity.

2,077,205
RADIO RECEIVER
Stewart Becker, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 25, 1934, Serial No. 727,439
4 Claims. (Cl. 250—20)



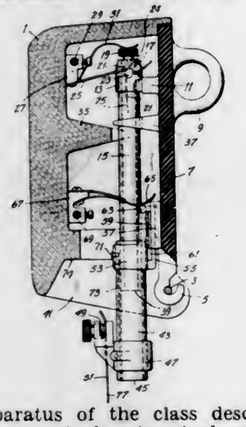
1. The combination, in a radio receiver, of means to rectify the received carrier wave to produce a low frequency demodulation current, a visual indicating device having a direct current winding, means to supply unidirectional current to said winding having a magnitude dependent upon the intensity of the received carrier, means to supply an additional current to said winding having an intensity dependent upon said low frequency demodulation current, current supplied by both of said means flowing in the same turns of said winding, whereby a visual indication is produced by said visual indicating device during reception of unmodulated carrier distinct from that produced during reception of modulated carrier.

2,077,206
ALTERNATING CURRENT MOTOR SYSTEM
Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 23, 1936, Serial No. 86,792
12 Claims. (Cl. 172—274)



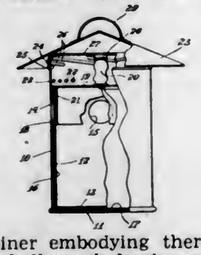
1. In combination, an alternating current circuit, a dynamo-electric machine having an inducing winding connected to be energized from said alternating current circuit and having an induced winding, and electric translating apparatus interposed between said alternating current circuit and said induced winding for controlling an operating condition of said dynamo-electric machine comprising electric valve means for transmitting energy between said alternating current circuit and said induced winding, means for controlling said electric valve means to control said operating condition of said machine and means for independently controlling said electric valve means to control the power factor of the current supplied by said alternating current circuit to said translating apparatus.

2,077,207
FUSE
Theodore Birkenmaier, St. Louis, Mo., assignor to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application February 28, 1936, Serial No. 66,179
33 Claims. (Cl. 200—114)



1. In apparatus of the class described, two groups of line terminals, a terminal-engaging element for one group of line terminals, a terminal-engaging element for the other group of line terminals, an extension from the first terminal-engaging element, said second terminal-engaging element being movable with respect to the extension, a contact movable with respect to the second terminal-engaging element and separable therefrom, and a fuse link joining the first-named terminal-engaging element with the contact and adapted normally to hold together the second terminal-engaging element and the contact.

2,077,208
CONTAINER
James A. Brady, Ramsey, N. J.
Application July 17, 1936, Serial No. 91,150
6 Claims. (Cl. 119—23)



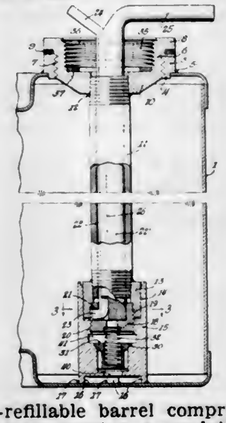
1. A container embodying therein inner and outer metal shells each having an open top, a liner of insulating material between said shells, said shells and said liner having openings therein, and said shells being relatively movable, whereby said openings may be brought into or out of registering position, a closure for said outer shell, complementary means upon said outer shell and said closure whereby said closure may be firmly connected with the shells, and means whereby said container may be supported out of doors.

2,077,209
SEALING MEANS
Winfred M. Brooks, West Orange, N. J.
Application July 3, 1936, Serial No. 88,841
1 Claim. (Cl. 292—308)



Sealing means including: a body of compressible material having an opening that extends substantially straight through from one side to the other thereof; a shackle member of resilient material in the form of a strand composed of a plurality of twisted wires and of substantially smaller diameter than that of said opening, one end of which member is imbedded in the body of compressible material and the other and free end of which is to be inserted through the opening aforesaid and to have the body of compressible material compressed around it; and means to utilize the resiliency of the shackle member, after the free end of said member has been inserted in the opening but before the body of compressible material has been compressed around it, to prevent said member from pulling out of the opening aforesaid consisting of a crushed-down portion of the strand at the tip of the free end of the shackle member, said crushed-down portion, consisting of convolutions of the twisted wires, of a diameter greater than that of the strand and smaller but not substantially smaller than the diameter of the opening aforesaid.

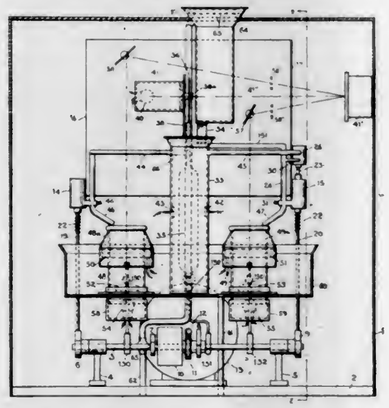
2,077,210
NONREFILLABLE BARREL
Robert C. Brushe, West Allis, Wis., assignor to Pressed Steel Tank Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 19, 1935, Serial No. 36,775
16 Claims. (Cl. 220—86)



1. A non-refillable barrel comprising a container having an opening, a conduit in the container, a threaded connection between one end

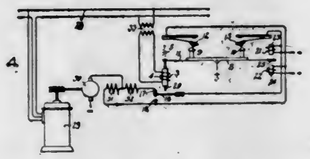
of the conduit and the margin of the opening, a valve casing within and secured to the container adjacent the bottom thereof, a valve in said valve casing, and means for releasably interlocking the lower end of the conduit and the valve casing, said means being accessible for releasing purposes only through the conduit and by means of a special tool.

2,077,211
DIAGNOSTIC APPARATUS
John P. Buckley, Washington, D. C.
Application July 23, 1932, Serial No. 624,270
Renewed October 29, 1935
12 Claims. (Cl. 23—253)



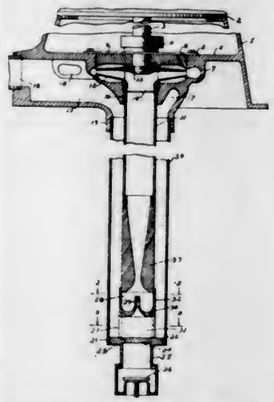
3. In an apparatus of the class described, an electron tube circuit, a light sensitive cell connected with said circuit, an indicating meter connected with said electron tube circuit, a plurality of test tubes for receiving fluid under test in combination with a reagent of predetermined characteristic, light sources individual to each of said test tubes for directing light rays through the fluid under test subsequent to the reaction thereof with the reagent, electrical means for heating each of said test tubes, and switching means for selectively energizing the light sources in succession for effecting independent readings of said meter under control of the light rays incident upon the combined test fluid and reagent.

2,077,212
CONTACT MAKING VOLTMETER
Franklin J. Champlin, Dalton, Mass., assignor to General Electric Company, a corporation of New York
Application April 10, 1934, Serial No. 719,899
7 Claims. (Cl. 200—104)



1. A contact making voltmeter comprising, in combination, an operating magnet, a solenoid core therefor, a contact beam having separate contact making positions which it assumes when the energization of said magnet is respectively a predetermined amount above or below a predetermined normal value, a low voltage cutout mounted so as to be operated by said core, a resilient mechanical operating connection between said core and said contact beam which flexes sufficiently under the weight of said core to allow positive operation of said cutout, said cut-out when operated being connected to reverse the contact-making effect of said contact-making voltmeter.

2,077,213
PUMP
William J. Conery and Albert Nelson, San Jose, Calif.
Application April 20, 1936, Serial No. 75,366
1 Claim. (Cl. 103—5)

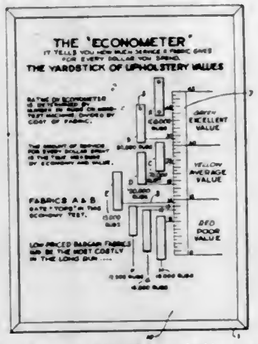


A pump of the character described comprising, a pump head having a motor mounted thereon provided with a vertically disposed drive shaft extending downwardly into said head, an impeller mounted on said shaft, an impeller bowl formed in said head to encompass the impeller, a discharge chamber formed in the head to encompass the impeller bowl and to receive water discharged therefrom and a depending casing mounted on the head in open communication with said chamber, a feed pipe depending from the impeller bowl in open communication therewith and concentrically disposed within said casing, and an injector inserted between the lower ends of the casing and feed pipe, the injector including a Venturi tube communicating with the pipe and the exterior of the casing, and an ejector nozzle communicating with the discharge chamber between the pipe and casing.

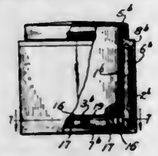
2,077,214
ECONOMETER DISPLAY BOARD FOR DEMONSTRATING CERTAIN ECONOMIC FACTS
Charles Larrowe Conley, Cohocton, N. Y., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 13, 1936, Serial No. 63,807
7 Claims. (Cl. 35—24)

1. As an article of manufacture, a foundation board, articles of merchandise mounted on the board, said board having a value scale thereon divided into economic classified groups, said scale being of sufficient range to enable an observer to compare the values of the merchandise,

and means leading from the articles to predetermined positions on the value scale for indicating on the value scale the relative values of the wear tested merchandise.



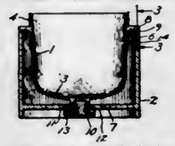
2,077,215
JAR
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application October 1, 1936, Serial No. 103,553
18 Claims. (Cl. 215—12)



1. The combination in a jar of the class described, of a thin-walled cup-shaped molded containing member externally threaded adjacent its upper periphery for engagement with a closure of the cap type and having its interior diameter at the top at least as large as is the interior diameter below the top, a molded base member adapted to permit the said containing member to be assembled vertically downward with respect thereto and having a peripheral annular portion which is in engagement adjacent its top with an annular portion of the containing member, and retaining means formed integrally with the containing member and with the base member and having interengaging substantially vertical walls immediately adjacent the bottom wall of the containing member and serving to frictionally resist relative upward movement of the containing member and also serving to positively prevent relative rotation between the two members.

2,077,216
JAR
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application October 1, 1936, Serial No. 103,554
4 Claims. (Cl. 215—12)

1. The combination in a jar of the class described, of a thin-walled cup-shaped molded containing member adapted at its upper periphery for engagement with a closure of the cap type and having its interior diameter at the top at least as large as is the interior diameter below the top, a base member adapted to permit the said containing member to be assembled vertically downward with respect thereto, the said base member having a peripheral annular portion which is in engagement adjacent its top with an annular portion of the containing member and having a centrally apertured bottom wall positioned beneath the containing member, interengaging means on the said annular portion of the base member and on the



annular portion of the containing member for positively preventing relative rotation between the said members, a downward extending projection on the bottom of the containing member having an upward facing shoulder thereon, and means engaging the centrally apertured bottom wall of the base member and engaging the said shoulder on the projection to positively prevent relative upward movement of the containing member.

2,077,217
JAR
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application November 18, 1936, Serial No. 111,461
9 Claims. (Cl. 215—12)

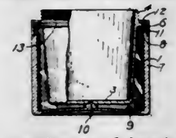


1. The combination in a jar of the class described, of a thin-walled cup-shaped molded containing member adapted at its upper periphery for engagement with a closure of the cap type and having its interior diameter at the top at least as large as is the interior diameter below the top, a cup-shaped base member adapted to permit the said containing member to be assembled vertically downward with respect thereto and having a peripheral annular portion which is in engagement adjacent its top with an annular portion of the containing member, and a connector structurally separate from the said members and located entirely within the base member, the said connector engaging both of the said members to hold them in assembled relationship.

2,077,218
JAR
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application February 8, 1937, Serial No. 124,635
4 Claims. (Cl. 215—12)

1. The combination in a jar of the class described, of a thin-walled cup-shaped molded containing member externally threaded adjacent its upper periphery for engagement with a closure of the cap type and having its interior diameter at the top at least as large as is the interior diameter below the top, the said member having a

thin outward projecting annular flange immediately below the thread, a molded base member having an annular portion which surrounds the containing member and which is threaded adjacent its upper edge, and a retaining ring structurally separate from the containing member and



from the base member and having threaded engagement with the upper threaded portion of the latter, the said ring having an inward projecting flange which overlies and engages the flange on the containing member to prevent relative upward movement of the said containing member.

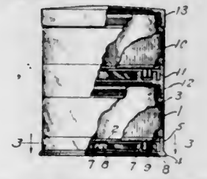
2,077,219

COSMETIC CONTAINER

Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut

Application February 10, 1937, Serial No. 124,997

3 Claims. (Cl. 215—10)



1. A cosmetic container comprising in combination, a thin-walled cup-shaped molded containing member externally threaded at its upper periphery and having its interior diameter at the top at least as large as is the interior diameter below the top, a molded base member beneath the containing member and having a peripheral annular portion which is in engagement adjacent its top with an annular portion of the containing member, the said containing and base members being provided with interengaging parts adapted to prevent relative rotation and to frictionally resist relative upward movement of the containing member, a closure of the cap type internally threaded to engage the threaded portion of the containing member and carrying a containing compartment with an externally threaded annular wall, and a second closure of the cap type internally threaded to engage the threaded portion of the last said annular wall.

2,077,220

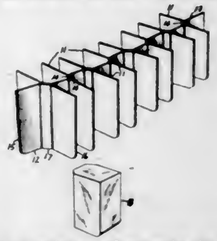
FREEZING TRAY AND METHOD OF MAKING THE SAME

Frank Conway, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 1, 1935, Serial No. 8,867

10 Claims. (Cl. 113—116)

8. A method of making a partition assembly for a freezing tray which comprises forming a plurality of duplicate U-shaped partition elements from sheet metal, arranging said partition elements in two sets with the partition elements in each of said sets having the legs thereof extending outwardly in parallel relation and in the opposite direction with respect to the legs of the partition elements of the other of said sets, a partition element of one of said sets being interposed between the partition elements of the other of said sets, and



securing said partition elements together by the fusion of metal in abutting relation adjacent the corners of the U.

2,077,221

EXTENSION LEAF TABLE

Joseph Cooper, New York, N. Y.

Application July 9, 1936, Serial No. 89,903

3 Claims. (Cl. 311—56)



1. An extension leaf table comprising a frame, a primary leaf mounted for vertical movement on the frame, an extension leaf normally underlying the primary leaf, and a cam member formed with a slot, a connection between the cam member and the extension leaf including a contact member entering the slot of the cam member, the extension leaf having a limited movement outwardly without transferring movement to the cam member, continued outward movement of said leaf causing the contact member to engage the cam and effecting movement of the latter against the underface of the center leaf, raising the latter, reverse movement of the leaf causing idle movement of the contact member in the cam slot.

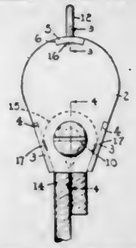
2,077,222

CABLE CLAMP

Henry Creager, Hartford City, Ind., assignor to Overhead Door Corporation, Hartford City, Ind.

Application June 25, 1936, Serial No. 87,199

7 Claims. (Cl. 24—115)



1. A cable clamp comprising bottom and top plates having inwardly converging side edges, the bottom plate having inwardly converging flanges on its side edges and an upstanding lug at its outer end, the top plate having recesses in its edges corresponding to said flanges and lug and receiving the same, said plates having registering holes between said flanges, a clamping and snubbing bolt engaging said holes and around which a cable may be disposed in wedging relation to said flanges, an eye-bolt arranged through said lug, and a nut on said eye-bolt within the said lug providing a swiveling and adjusting means.

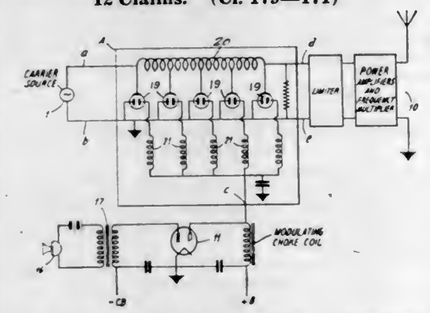
2,077,223

MODULATION SYSTEM

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application September 19, 1931, Serial No. 563,725. Divided and this application May 14, 1935, Serial No. 21,343

12 Claims. (Cl. 179—171)



1. A phase modulation system comprising a generator of constant frequency wave energy, an output circuit, a transmission line of considerable length as compared to the wave length of said wave energy comprising series inductance and shunt capacity connected between said generator and said output circuit and means connected to said line for varying the effective electrical length thereof in response to signals to be transmitted.

2,077,224

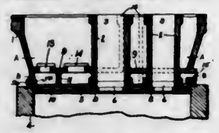
COMBUSTION ENGINE

Ernst Daiber, Berlin-Lichterfelde-West, Germany, assignor to General Electric Company, a corporation of New York

Application June 20, 1932, Serial No. 618,373

In Germany June 26, 1931

1 Claim. (Cl. 123—177)



In combination, a cylinder, a head and a base plate for the head having a reinforced, raised edge portion projecting into an annular recess in the head, means for uniting the raised edge portion with the adjacent portion of the head, said means including binding material filled into an inner recess in the head, and a packing between the outer joint portions of the base plate and the head and the cylinder.

2,077,225

COMBUSTION ENGINE

Ernst Daiber, Berlin-Lichterfelde-West, Germany, assignor to General Electric Company, a corporation of New York

Original application June 20, 1932, Serial No. 618,373. Divided and this application September 9, 1936, Serial No. 100,003. In Germany June 26, 1931

3 Claims. (Cl. 123—173)

1. In a cylinder head for internal combustion engines comprising an outer wall and inner walls cast together with the outer wall and defining passages for valve structures, a base plate fastened to the lower end of the head and having openings registering with said passages, a partition within the head defining with the base

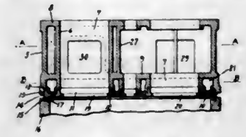


plate and the adjacent walls a cooling chamber, ribs in the chamber defining a channel for a cooling medium, and a top plate defining with the walls and the partition a chamber for containing fresh air.

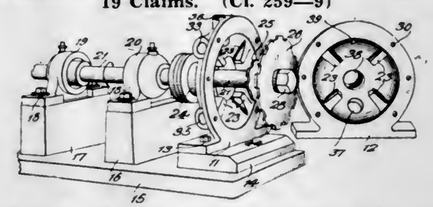
2,077,226

MIXER

Gaston S. P. de Bethune, New York, N. Y.

Application December 2, 1932, Serial No. 645,363

19 Claims. (Cl. 259—9)



1. A mixer having a mixing chamber and a rotor therein comprising a shaft with a radial stirrer, of relatively long radius, said mixer being characterized by an inlet chamber formed as the convex portion of a torus coaxial with said shaft, a vane of relatively short radius in said inlet chamber, whereby said inlet chamber is adapted to receive and premix materials in a tranquil operation, said inlet chamber communicating with said mixing chamber through a restricted annular space between the shaft and the edge forming the common union of the interior walls of said inlet chamber and mixing chamber so that along each equal part of this annulus there shall be flowing continuously into the mixing chamber the same quantity of material and thereby the materials are distributed evenly into the mixing chamber.

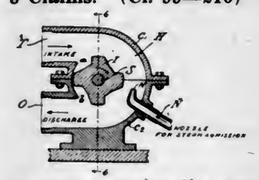
2,077,227

CONTINUOUS HEAT EXCHANGE BETWEEN A CONDENSING VAPOR AND A LIQUID

Gaston S. P. de Bethune, New York, N. Y.

Application August 10, 1934, Serial No. 739,228

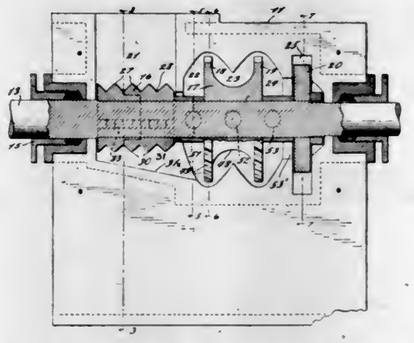
8 Claims. (Cl. 99—216)



1. In the process of raising the temperature of a moving fluid material by injecting into it through a suitable nozzle a suitable stream of vapor, the step of checking the expansion of said vapor in said nozzle so as to maintain its pressure at least above the critical pressure, whereby a deep drop of the temperature at which it condenses in the fluid is prevented, said step being

performed by temporarily increasing the kinetic energy of said fluid material by centrifugal impetus at the point where it contacts with the vapor, thereby increasing the back pressure opposed to said vapor at said point.

2,077,228
CONTINUOUS THERMODISINTEGRATOR
Gaston S. P. de Bethune, New York, N. Y.
Application August 17, 1934, Serial No. 740,253
15 Claims. (Cl. 259—95)



1. In a wet thermo-disintegrating apparatus, the combination, in a unitary structure, of a rotary disintegrator, a rotary mixer, and a rotary impeller, all mounted coaxially in succession on a single shaft and individually each within a chamber of a continuous series of communicating chambers, said disintegrator stage being characterized by an intake chamber in which said disintegrator is arranged to rotate in a fluid magma of the material undergoing disintegration, said other rotary elements being coordinated with said disintegrator stage by their relative proportions and disposition within their respective chambers, and by the provision of flow-controlling means within, and intermediate, said chambers, to maintain said magma with substantially constant characteristics of volume, fluidity, temperature and pressure, while permitting withdrawals from, and proportionate additions to, said magma.

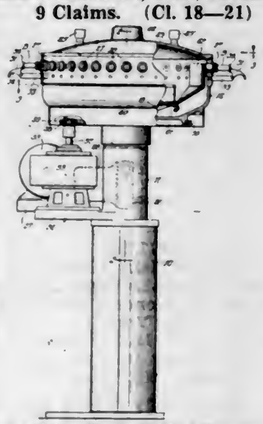
2,077,229
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Arthur F. Wirtel, Kirkwood, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application September 18, 1936, Serial No. 101,437
14 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a substituted amine salt of an alkylated naphthalene sulfonic acid, in which at least one alkyl group substituted in the naphthalene nucleus contains at least three carbon atoms and not more than ten carbon atoms; said substituted amine being selected from the class consisting of alkylamines, aralkylamines, cyclohexylamines and their functional equivalents; and said substituent introduced into said amine being derived from a polyhydric alcohol and characterized by the presence of a residual hydroxyl.

2,077,230
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to The Tret-O-Lite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application November 6, 1936, Serial No. 109,542
18 Claims. (Cl. 196—4)

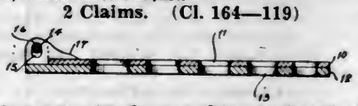
1. A process for breaking petroleum emulsions of the water-in-oil type which consists in subjecting the emulsion to the action of a demulsifying agent comprising an amino fatty acid body, characterized by the fact that the amino nitrogen atom is attached to the long carbon chain, said chain containing not less than eight carbon atoms.

2,077,231
MACHINE FOR POINTING AND DRYING TAMPONS
Charles A. Fourness, Appleton, and John M. Graef, Neenah, Wis., assignors, by mesne assignments, to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application October 16, 1935, Serial No. 45,365
9 Claims. (Cl. 18—21)



1. In a machine for pointing tampons, the combination of a circular die carrier pivoted to turn on a vertical axis, a ring of closely spaced dies mounted horizontally in the circumference of said die carrier, each of said dies having a cavity of circular cross section with a tapered narrowed inner end portion shaped to form a blunt conical end on a tampon blank, a pivoted spring-actuated trigger having a past center movement for pressing the blank endwise into the die, and means for effecting a slow continuous rotation of said carrier past a loading and unloading station.

2,077,232
TEMPLATE AND PUNCH THEREFOR
John Grabek, Sr., Chisholm, Minn.
Substitute for application Serial No. 578,932, December 4, 1931. This application October 22, 1934, Serial No. 749,492
2 Claims. (Cl. 164—119)



1. An apparatus for punching gaskets by hand, comprising a lower base plate having a plurality

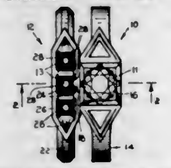
of series of openings therethrough of progressively increasing diameters in opposite directions, an upper plate hinged to the lower plate and having corresponding openings adapted to register with the openings in the base plate and said hinge connection allowing for a slight vertical movement of the pivot of the upper plate relative to the lower plate to compensate for the thickness of the material between the plates, whereby the walls of the registering openings in the plates are in perfect parallel alinement.

2,077,233
CUSHIONING DEVICE
Charles W. Greenhill, New York, N. Y.
Application February 8, 1935, Serial No. 5,526
1 Claim. (Cl. 155—179)



A multi-cell cushioning device comprising a section having a plurality of air pockets of substantially trapezoidal cross-section longitudinally and transversely arranged with one of said trapezoidal pockets adjacent an inverted trapezoidal pocket.

2,077,234
JEWELRY SET
Edward J. Gross, New York, N. Y., assignor to Benjamin & Edward J. Gross Co. Inc., New York, N. Y.
Application January 30, 1935, Serial No. 4,037
12 Claims. (Cl. 63—15)



1. A jewelry set comprising, in combination, two annular members, one of said members having a projection extending in a plane substantially parallel to the side of the annular member and disposed inwardly of the outer periphery of the latter, and the other annular member having an opening for receiving said projection therein, said opening being so positioned in relation to said projection that the latter may be projected therein solely by relative movement of the members in a plane substantially parallel to the sides thereof, when said members are positioned side by side, and the projection is in alignment with said opening.

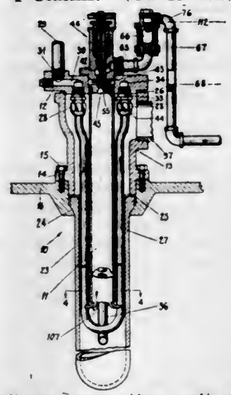
2,077,235
CONTAINER CLOSURE
Jesse Gutmann, Babylon, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York
Original application February 25, 1932, Serial No. 595,001, now Patent 1,916,976 dated July 4, 1933. Divided and this application July 1, 1933, Serial No. 678,614
3 Claims. (Cl. 215—43)

1. A container closure consisting of a rigid, non-resilient, non-metallic tubular element, open at both ends and having inwardly projecting means whereby it may be attached to a container to close the same, a shell of a deformable, resilient sheet material having a top closing and engaging an end, and a skirt inclosing the side, of said element, and permanently secured thereto, and a sealing gasket frictionally retained



within said tubular element adjacent the top of said shell.

2,077,236
OIL GAS GENERATOR
Walter B. Harris, Bayside, N. Y.
Application August 31, 1934, Serial No. 742,322
4 Claims. (Cl. 48—94)

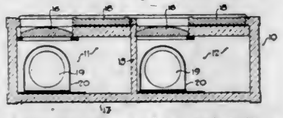


2. In an oil gas generating unit, a tubular casing closed at its lower end and suspended within a furnace, U-shaped tubular members co-extensive with and positioned within said casing, said U-shaped members being connected in series at their upper ends by a flow-directing plate to cause steam passage in series through said members, a tubular gas generating chamber substantially co-extensive with and centrally disposed within said casing and open at the lower end of said casing and having a superheated steam injector at its upper end for injecting a continuous supply of liquid hydrocarbon into said generating chamber, said generating chamber being highly heated by the products of combustion from said furnace, said injector having a central steam passage of small heat transfer surface disposed within an annular oil passage of larger surface, means in said generating chamber for thermally insulating said oil injector from the heated gases therein, a source of steam, said U-shaped members being wholly encased and forming a continuous steam superheating passage leading directly into said injector, means for controlling the heating of said casing to a predetermined high temperature, said superheating steam passage causing said steam to pass through the combustion zone in said furnace and to reach a temperature at which substantially all of said steam will react when brought into the presence of said hydrocarbon before entering said injector and thereby accelerating said gas making reaction.

2,077,237
MEANS FOR DETECTING FALSE SIGNATURES
Hugo Hein, New York, N. Y.
Application October 7, 1935, Serial No. 43,859
2 Claims. (Cl. 88—14)

1. A device for detecting false signatures comprising a light-proof box formed with a plurality

of compartments therein, two of said compartments being arranged one above the other and being formed with a vertical slit therein, said compartments being adapted to have checks inserted therein, in the rear thereof, and being at the front formed with windows consisting of magnifying glasses, separate doors each slidably mounted on the front of the box for movement



over one of the windows for restricting the window opening, another compartment in said box laterally disposed with respect to the first compartments, light bulbs arranged in said other compartment, and an electric source for feeding the bulbs, reflectors arranged in said latter compartment and adapted to co-operate with the light bulbs in illuminating the first two compartments.

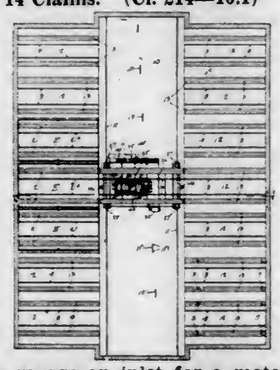
2,077,238

APPARATUS FOR HANDLING AND STORING

Arthur G. Henricks, Milwaukee, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application August 22, 1927, Serial No. 214,617

14 Claims. (Cl. 214—16.1)



10. In a garage an inlet for a motor vehicle, a carrier mounted adjacent said inlet, a storage compartment adjacent said carrier, means for moving said carrier underneath a vehicle positioned in said inlet, elevating means on said carrier for elevating an end of said vehicle, means for thereafter moving the same into said storage compartment, and means for guiding said carrier and the unraised end of said vehicle into said inlet and into said storage compartment.

2,077,239

HARD METAL ALLOY

Josef Hinnüber, Essen, Germany, assignor, by mesne assignments, to General Electric Company, Schenectady, N. Y., a corporation of New York

No Drawing. Application October 19, 1932, Serial No. 638,648. In Germany October 23, 1931

9 Claims. (Cl. 75—136)

1. Sintered hard metal alloys which contain not less than 55% of a refractory nitride and material from the group consisting of refractory borides and silicides and about 1 to 25% of an auxiliary metal of comparatively low melting point, said alloys being characterized by extremely high resistance to wear.

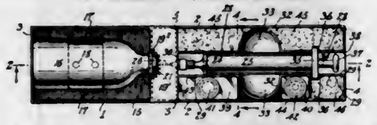
2,077,240

HYPODERMIC OUTFIT CASE

Clyde R. Jeffords, Jamaica, N. Y.

Application November 14, 1935, Serial No. 49,807

6 Claims. (Cl. 206—43)



1. A case for a hypodermic outfit comprising a compartment for a stoppered bottle and a compartment for a hypodermic syringe, said compartments being in longitudinal alignment and having at adjacent ends transversely extending partitions and aligned seats or rests carried by said partitions respectively for engaging and supporting the stoppered end of the bottle and the nipple of the syringe.

2,077,241

SAFETY RAZOR

John D. Karle, Roselle Park, N. J.

Application March 21, 1932, Serial No. 600,147

17 Claims. (Cl. 30—47)



1. A safety-razor comprising separable blade-clamping members, means for bringing said members into blade clamping relationship including a connection-element threaded upon one of said members, a handle having in one end thereof a bore adapted to slidably receive said connection-element endwise of the handle, said handle being provided intermediate its ends with a bore transverse to the end bore of the handle adapted to slidably receive said connection-element sidewise of the handle, and means for detachably retaining said handle upon said connection-element in either position of the handle thereupon.

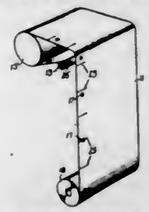
2,077,242

RECORD CHART QUANTITY INDICATION

Cramer W. La Pierre, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 23, 1933, Serial No. 699,357

2 Claims. (Cl. 283—1)



1. A method of preparing a strip chart to provide indications of the amount of chart remaining unused which comprises forming the strip chart into a roll and making a radial mark across the end of the roll.

2,077,243

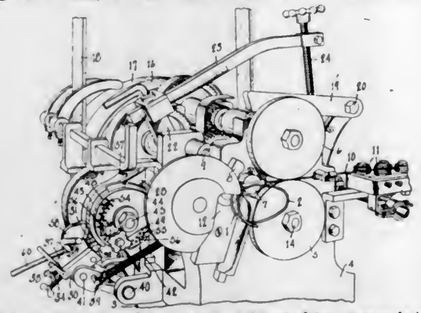
WIRE FORMING MACHINE

Hugh Leal, Windsor, Ontario, Canada, assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich.

Application June 11, 1936, Serial No. 84,655

15 Claims. (Cl. 140—79)

1. In a coiling machine, the combination with a coiler member provided with a rockshaft having an arm thereon and feed means operatively associated with said coiler member, of a coiler member control means comprising a control cam, a forming lever coacting with said cam, an actuating lever connected to said arm on said rockshaft and having an adjustable arm provided with an adjustable follower coacting with said forming member, an actuating link connected to the said actuating lever below its pivot and having a follower supporting arm at its outer end, a spring tensioned pivoted support for the outer end of said link, a link actuating cam comprising coacting members adjustably associated for varying the cam, a cam disk disposed at the side of



said cam member and adjustably associated therewith, said disk and cam members being provided with a series of holes permitting their being pinned in a plurality of relative positions, a cam member having a plurality of radial cam projections of varying width adjustably mounted on said cam disk so that it may be adjusted to present a selected cam projection in operative position projecting beyond the periphery of the disk, and cam followers adjustably mounted on said arm on said actuating link, one coacting with said first named link actuating cam and the other with said cam disk and the cam carried thereby, and means for locking said actuating link with its cam followers in inoperative relation to said link actuating cams.

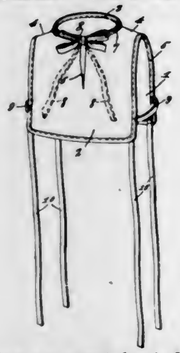
2,077,244

GARMENT

Myrtle R. Le Roy, Coronado, Calif., assignor of one-half to Ruth A. McCarson, Coronado, Calif.

Application May 7, 1935, Serial No. 20,265

2 Claims. (Cl. 2—49)



2. A restraining garment for infants consisting of a length of flexible material having four corners and including back and front portions and spaced shoulder portions connecting said back and front portions, a binding strip secured to the periphery of said material around the sides and ends thereof, four securing tapes each having one end stitched to a respective one of said corners, and cross straps each having one end secured to a side portion of the binding strip adjacent one corner of the material and its other end detachably secured to the same side portion of the binding strip adjacent a second corner of the material.

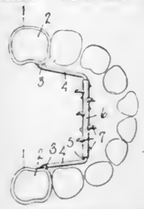
2,077,245

ORAL CAVITY APPLIANCE

James D. Locke, Grand Rapids, Mich.

Application September 18, 1936, Serial No. 101,395

7 Claims. (Cl. 128—136)



1. In a device of the type described, means adapted to be anchored on oppositely disposed teeth in the mouth of a subject, and means carried by said means for discouraging thumb sucking, comprising arms integrally joined to said anchoring means and forming a forwardly disposed arch, and a sleeve surrounding and freely rotatable on said arch, said sleeve having projections integral therewith and extending radially therefrom at a plurality of angles, whereby certain of the projections depend downwardly in any angular position of the sleeve to engage the subject's thumb when it is inserted in the mouth and prevent suction.

2,077,246

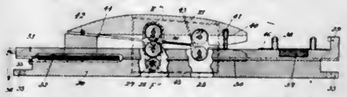
DEVICE FOR CLEANSING RAZOR BLADES

Wilhelm Mayr, Dusseldorf, Germany

Application March 23, 1936, Serial No. 70,436

In Germany March 30, 1935

10 Claims. (Cl. 15—218)



1. A device for cleansing razor blades comprising a lower part and an upper part, said parts being shaped to form between them a longitudinal guide groove of less width than a razor blade, means holding said parts together, a slider movable in said groove, pins upon said slider to engage apertures in the blade, runners formed on each of said parts on opposite sides of and immediately adjacent said groove, the pair of runners on one part being opposite and parallel to those on the other and inclined longitudinally to said groove at such an angle that the blade leaves the pins towards the end of the movement of said slider when a portion of the blade projects from between the ends of the runners, and porous material on said runners.

4. A device for cleansing razor blades comprising a lower part and an upper part, said parts being shaped to form between them a longitudinal guide groove of less width than a razor blade, means holding said parts together, runners formed on each of said parts on opposite sides of and immediately adjacent said groove, the runners on one part being opposite and parallel to those on the other, a pair of rollers housed in re-

cesses in each said runner, a strip of porous material wound upon the rollers of each said pair and extending over the part of the runner between them, a slider movable in said groove and means on said slider for supporting a razor blade with its edges projecting over the sides of the slider and between the said opposite runners.

5. A device for cleansing razor blades comprising a lower part and an upper part, said parts being shaped to form between them a longitudinal guide groove of less width than a razor blade, means holding said parts together, runners formed on each of said parts on opposite sides of and immediately adjacent said groove, the runners on one part being opposite and parallel to those on the other, a pair of rollers housed in recesses in each said runner, a toothed wheel upon one roller of each pair, said toothed wheels on opposite sides being axially aligned and in opposite runners being in mesh, a transverse shaft in one of said parts, a pair of toothed wheels upon said shaft and meshing one with one each of said meshing wheels, a pinion on said shaft, a strip of porous material wound upon the rollers of each said pair and extending over the part of the runner between them, a slider movable in said groove, means on said slider for supporting a razor blade with its edges projecting over the sides of the slider and between the said opposite runners, a rack on said slider meshing with said pinion, and a one way clutch in the transmission consisting of said rack, pinion, shaft and toothed wheels.

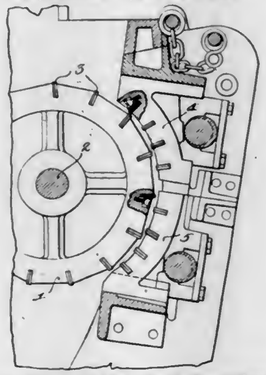
2,077,247

COTTONSEED HULLER

Robert W. McLean, Bridgewater, Mass., assignor to Carver Cotton Gin Company, East Bridgewater, Mass., a corporation of Massachusetts

Application January 14, 1935, Serial No. 1,706

3 Claims. (Cl. 83—14)



1. In a machine of the class described having a holder provided with a cutter-receiving slot and a recess which opens laterally into one side of the slot, a cutter-retaining member having a body portion which is disposed in the recess and a cutter-engaging part which projects into the slot, the body portion having a beveled face exposed within the recess, a clamping screw having a threaded stem engaging a threaded bore extending inwardly into the substance of the holder from the bottom of the recess, said screw having a head of larger diameter than the stem, a bridge member disposed within the recess and beneath the head of the screw, that part of the bridge member which is nearest to the slot being inclined and normally engaging the beveled face of the retaining member, the under side of the bridge member being spaced from the bottom of the recess, and a fulcrum member resting on the bottom of the recess and constructed and arranged to support that part of the bridge member which is most remote from the slot, the bridge member rocking about said support as a fulcrum in response to force exerted by the screw head.

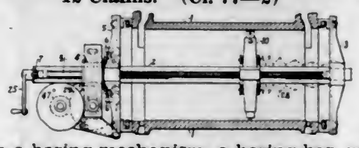
2,077,248

CYLINDER BORING BAR AND ATTACHMENT

Conrad L. Meister, Wilmington, N. C.

Application March 8, 1934, Serial No. 714,686

12 Claims. (Cl. 77—2)



1. In a boring mechanism, a boring bar, means to support said bar in a cylinder, a boring head mounted on said bar, a drive member, a thrust bearing mounted on said drive member, said thrust bearing secured to said supporting means, said drive member bored for positioning said boring bar through said drive member bore, said drive member having lugs longitudinally spaced and projecting into said bore, said boring bar slotted from the end thereof to provide clearance for said lugs when said boring bar is positioned through said bore, said boring bar also slotted for a feed screw, the feed screw slot having a wall at each end thereof, each end wall provided with a hole therein, the feed screw passing through said holes, the clearance slots for the drive member lugs so formed in the bar that their side walls parallel the walls of the holes through the end walls of the feed screw slot, said clearance slot side walls connecting with the side walls of said feed screw slot, said feed screw slot side walls having notched recesses longitudinally spaced for selectively receiving the lugs of said drive member, means provided to feed said boring head into engagement with the cylinder being bored and thereby produce an end thrust, said end thrust transmitted by the boring bar to said lugs, thence to said drive member, thence to said thrust bearing mounted on said drive member, and finally to the means supporting said boring bar in the cylinder being bored.

2,077,249

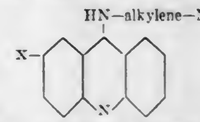
BASICALLY SUBSTITUTED ACRIDINE COMPOUNDS

Fritz Mietzsch, Wuppertal-Elberfeld, and Hans Mauss, Wuppertal-Barmen, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application June 3, 1935, Serial No. 24,774. In Germany June 6, 1934

12 Claims. (Cl. 260—36)

1. Acridine compounds of the general formula:



wherein X stands for a substituent selected from the group consisting of halogen atoms and alkyl groups, which compounds dissolve in the form of the free bases in organic solvents and dissolve in the form of their salts with acids in water.

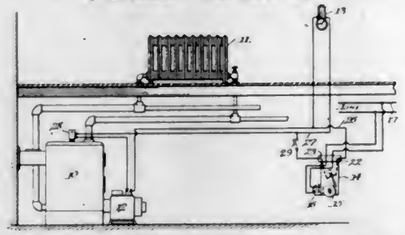
2,077,250

HEATING SYSTEM

William F. Miller, Evansville, Ind., assignor to Industrial Engineering Corporation, Evansville, Ind., a corporation

Application July 10, 1935, Serial No. 30,675

6 Claims. (Cl. 236—9)



1. The method of operating a heating system including a fluent fuel furnace and a heat distributing member located in the room to be heated, which consists in periodically operating said furnace at frequent regular intervals and throughout definite periods of variably adjustable durations of time, independently of the temperature of said room, the frequency of the recurring periods of furnace operation being so timed and the duration of intermittent operations being for such variably adjusted times as to intermittently distribute heat from said distributing member in timed relation to the frequent periodic operation of said furnace as to substantially increase the baseboard temperature in said room without substantially increasing the temperature at the breathing line resulting in a more uniform temperature throughout the room.

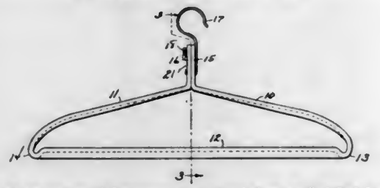
2,077,251

CLOTHES HANGER

Richard D. Moore, Birmingham, Ala.

Application January 3, 1936, Serial No. 57,420

3 Claims. (Cl. 223—88)



1. A garment hanger comprising a foldable body formed integrally of compressed paper conformed to provide a cross bar, and upwardly directed converging arms extending from the ends thereof, said bar and arms being of semi-circular formation for the major portion of their length, the outer ends of the bar being flattened to allow the arms to be folded, flat confronting vertically arranged portions formed on the inner ends of the arms and having spaced slots therein, a suspending hook for the body and including a shank and means on the shank and received in the slots for detachably securing the vertical portions together for holding the body in hanger formation.

2,077,252

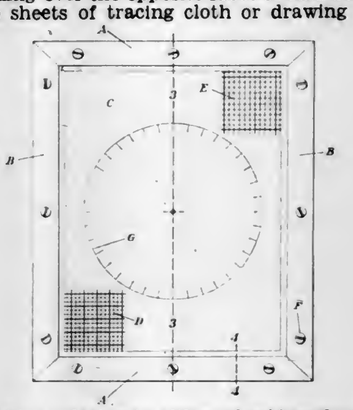
DRAFTING BOARD

Frank H. Murphy, Kansas City, Mo.

Application March 4, 1935, Serial No. 9,254

1 Claim. (Cl. 45—131)

A drafting board construction comprising a board providing working or drafting surfaces on both of the opposite faces thereof, spring clamping channel members embracing the edges and extending over the opposite faces of said board to clamp sheets of tracing cloth or drawing paper



in working relation to either of said surfaces and normally tending to assume paper-releasing position, and screw devices operable from either side of the board for actuating said channel members into paper-clamping relation.

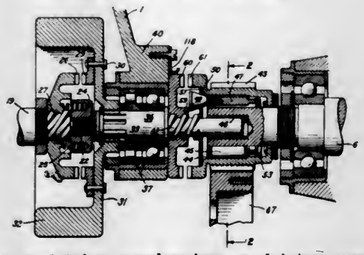
2,077,253

DRIVING MECHANISM

Romeo M. Nardone, East Orange, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Original application September 15, 1931, Serial No. 562,938, now Patent No. 1,990,306. Divided and this application January 7, 1935, Serial No. 793

8 Claims. (Cl. 192—48)



1. In a driving mechanism, a driving member, a driven member, a normally engaged clutch mechanism drivably connected to the driven member, and means controlled by the inertia of the driving member for disabling such clutch mechanism, said last named means comprising a threaded portion on said driving member and a correspondingly threaded member co-operating therewith to move said driving member axially into engagement with said clutch mechanism in response to rotation of said threaded member.

2,077,254

GEAR PULLER

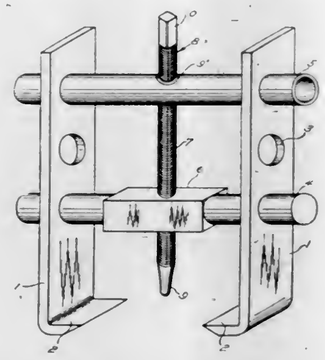
Henry J. F. Nestler, Atchison, Kans.

Application September 14, 1936, Serial No. 100,725

1 Claim. (Cl. 29—85)

A gear puller comprising plates, jaws integral with said plates to engage a gear, bars slidable through said plates for maintaining said plates

in parallelism and to permit the plates to move towards and from each other, said bars having openings, feed threads formed on the walls of one of the openings, a bushing located in the other opening, a feed bar having feed threads



meshing with the feed threads of said opening and extending through the bushing and adapted to have one end engaged with a shaft on which the gear is located whereby rotation of the feed bar will bring about a removal of the gear from the shaft.

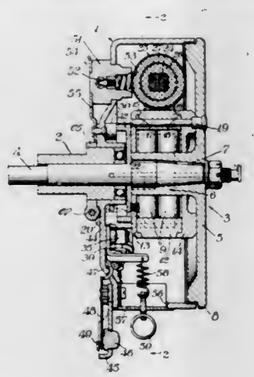
2,077,255

MAGNETO GENERATOR

Edward B. Nowosielski, Sidney, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application April 21, 1934, Serial No. 721,745

12 Claims. (Cl. 171—209)



1. In a magneto generator for internal combustion engines a casing adapted to be mounted on an engine, a stator mounted in and fixed to said casing comprising pole shoes and a connecting core member, and a rotor comprising a shaft journalled in said casing and arranged to be driven by said engine, permanent magnets having pole pieces adapted to cooperate with said stator pole shoes to complete a magnetic circuit, a disc forming a closure for the casing and constituting an engine flywheel, and means for rigidly attaching said magnets to said disc within the stator.

2,077,256

BRAKE MECHANISM

Arthur F. O'Connor, Chicago, Ill., assignor, by mesne assignments, to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois

Application February 14, 1934, Serial No. 711,155

7 Claims. (Cl. 254—149)



1. A brake-operating mechanism comprising a rotatable winding drum having spaced webs forming a helical winding channel extending once around said drum with the opposed ends of the channel in staggered relationship, strengthening webs interconnecting the spaced webs, the peripheral portions of said spaced webs extending at varying distances from the axis of the drum, and a flexible element on said drum in position to be wound up in said channel when the drum is rotated.

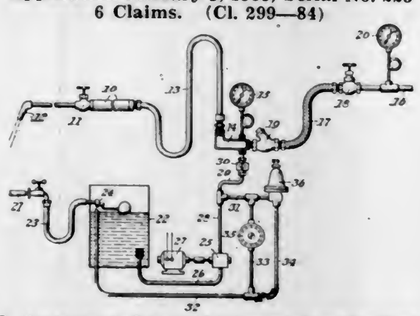
2,077,257

SPRAY PRODUCING METHOD AND APPARATUS

Frank W. Ofeldt, McKeesport, Pa.

Application January 3, 1935, Serial No. 223

6 Claims. (Cl. 299—84)



2. Apparatus for producing and controlling a mixture of steam and a liquid comprising a substantially constant-pressure source of steam, a substantially constant-volume supply of the liquid, a mixing chamber connected to said source and supply, a discharge device connected to the chamber and having a control valve therein, a non-return valve connected between the steam source and the chamber, a by-pass connection from the chamber to the liquid supply and a relief valve in said connection, effective to by-pass a portion of the liquid supplied when the pressure of the liquid increases due to the operation of said control valve.

2,077,258

SOLUBLE SILICATE BINDER AND METHOD OF MAKING AND USING THE SAME

Norman Percy Pitt, Rockcliffe, Ontario, and Alan Findlay Gill, Ottawa, Ontario, Canada

No Drawing. Application June 26, 1935, Serial No. 28,488

7 Claims. (Cl. 106—9)

2. As a new article of manufacture, a refractory material for furnace linings and the like, having when moistened and dried high mechanical strength, consisting of particles of refractory material and uniformly mixed therewith a soluble silicate and an alkali phosphate.

2,077,259

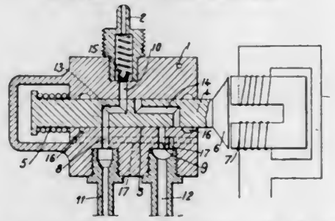
FUEL INJECTING DEVICE FOR INTERNAL COMBUSTION ENGINES

René Jacques Henri Planiol, Paris, France, assignor of one-half to Joseph Schidlovsky, Courbevoie, France

Application May 19, 1932, Serial No. 612,352

In France May 22, 1931

2 Claims. (Cl. 123—90)



1. In an electromagnetic device for feeding injection engines with fuel, distributors controlling the injection of fuel in the combustion chambers, an electromagnet which acts upon excitation for opening the distributor, a second electromagnet which acts upon excitation for closing the distributor, a source of continuous current, two condensers arranged in shunt at the terminals of the said source of current, an exciting circuit for each electromagnet connected in series to each of the said condensers, a switch adapted to connect the exciting circuit of the first electromagnet with one of the condensers or inversely to connect the said condenser to the source of continuous current and a second switch for effecting the aforesaid operations with the second electromagnet and the other condenser and the source, a cam for actuating each of the said switches and means for rotating the said cams in synchronism with the engine to be fed with fuel.

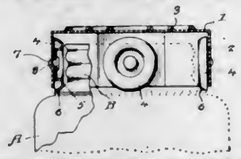
2,077,260

JAR SEALER

James Eugene Polisso, Rochester, Pa., assignor of one-third to Thomas D. Stablow, Rochester, Pa.

Application May 22, 1935, Serial No. 22,848

1 Claim. (Cl. 81—15.1)



A jar cap sealing device comprising a hollow sheet metal body including a closed flat top, concentrically disposed annular ribs formed on and rising from the top to reinforce the same, walls formed on and depending from the top to provide a jar cap receiving chamber, said walls being integral and disposed at an angle with respect to each other to provide flat hand gripping surfaces, disk rollers journaled to certain opposed walls and arranged within the chamber, and said rollers shaped to provide hollow annular beads at the peripheries thereof, with the outer walls of the beads outwardly flared in rounded formation to provide cap flange engaging surfaces.

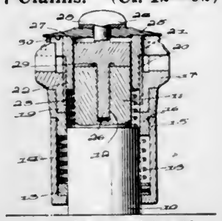
2,077,261

TRIMMER

George Prodromos and Marcus Prodromos, Winston-Salem, N. C.

Application June 7, 1935, Serial No. 25,524

7 Claims. (Cl. 12—92)



1. In a trimmer, the combination with a shaft, a cutter protector on said shaft having a shank and protector teeth and extending beyond the end of said shaft, means for increasing the effective length of said shaft, said means comprising an element removably mounted on said shaft and extending therebeyond to a point substantially in line with the ends of the protector teeth, a cutter carried by said means, a guard disk in advance of said cutter, and means for latching said guard disk to said shaft, said last named means including an element mounted on said shaft and extending through an opening in said guard disk.

2,077,262

CEIL CONSTRUCTION FOR ROOFED VEHICLES

Theodore M. Prudden, Hingham, Mass.

Application February 28, 1936, Serial No. 66,204

3 Claims. (Cl. 296—137)



1. In a vehicle body structure, in combination with a metal roof, acoustic corrective material beneath the under surface of said roof, and a decorative and sound reflection reducing material comprising a flexible sheet adapted to be tautly drawn over the acoustically treated surface of such roof interior in concealing relation thereto, said sheet having cement on its exposed face, and having erected fibres flocked on and cemented to said exposed face.

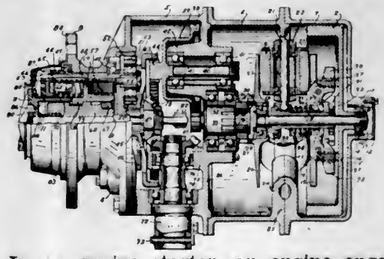
2,077,263

ENGINE STARTING MECHANISM

Arthur E. Raabe, Summit, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application March 6, 1931, Serial No. 520,633

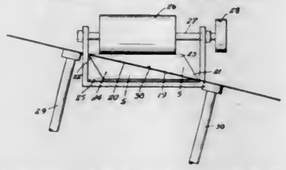
6 Claims. (Cl. 123—179)



1. In an engine starter, an engine engaging member, a variable speed driving member, means

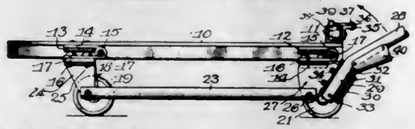
including a pair of parallel plates rotatable about a common axis to drivably connect said driving member and said engine engaging member, and centrifugally actuated means for imparting relative axial movement to said plates to automatically change the driving ratio in accordance with the speed of the driving member.

2,077,264
WEATHER STRIP OR SEALING MEANS
Howard D. Randall, Cincinnati, Ohio
Application September 24, 1934, Serial No. 745,304
6 Claims. (Cl. 154—2)



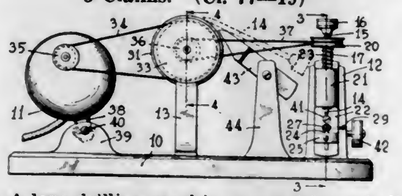
1. The method of manufacturing a sealing strip having a base to be attached to a surface and a resilient tapered projection overhanging the base, said method comprising forming a length of resilient material to render its cross-section parallelogrammic with opposed acute angles and opposed obtuse angles, then splitting said strip longitudinally in a plane which passes through the opposed acute angles of the parallelogrammic form.

2,077,265
LIFT-TRUCK
Edward A. Reed, Chicago, Ill., assignor to Harris and Reed Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 15, 1935, Serial No. 50,012
13 Claims. (Cl. 280—46)



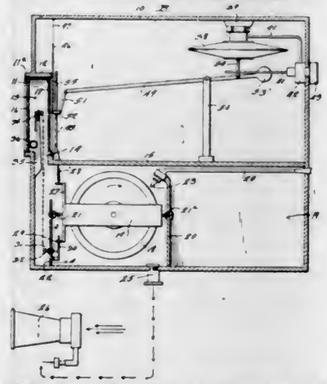
1. A lift-truck comprising a frame, links pivoted thereto at the front and rear thereof at their upper ends, two front and two rear wheels on which the lower ends of said links are pivotally supported, whereby said frame may be swung downwardly or upwardly about said pivotal supports, means connecting said links to cause them to swing simultaneously and a movable abutment on said means to engage said frame, when in one position of adjustment, and limit said downward swing, and to lock said frame against downward movement when in another position of adjustment.

2,077,266
EYEGLASS LENS DRILLING MACHINE
Augustine T. Rochte, Tiffin, Ohio
Application August 9, 1934, Serial No. 739,156
5 Claims. (Cl. 77—19)



1. A lens drilling machine comprising a hollow vertical drill spindle, a lens support to and from which said spindle is longitudinally movable, a drill having separable driving connection with said spindle and removable bodily therefrom, a pulley fixed to the drill spindle to receive rotation to rotate the spindle, means yieldingly holding the spindle and drill away from the support comprising a coil spring encircling the spindle, and bearing at one end against said pulley, and a relatively fixed bearing for the other end of the spring, and means for applying feeding pressure to the drill during drilling operation comprising a head adapted for direct application of the fingers thereto and situated above the driving connection between the drill and the spindle, the drill being removable from the spindle by upward movement therefrom.

2,077,267
FLIGHT INDICATOR FOR AIRCRAFT
Elmer J. Rogers, Jr., United States Army, Honolulu, Hawaii
Application October 1, 1935, Serial No. 43,103
8 Claims. (Cl. 33—204)



1. A flight meter for airplanes including a casing having a view opening, a transparent pane closing said view opening, a wall dividing the interior of the casing into two compartments, said wall having a portion extending upward behind said pane, a second transparent pane disposed in said dividing wall behind the first-named pane, a tiltable airplane figure disposed in one compartment between the panes, mechanism including a gyroscope disposed entirely within said compartment and operatively connected to the figure to tilt it, a rise and fall indicator disposed behind the second named pane and entirely within the second-named compartment and having a horizon line coacting with the airplane figure to indicate rate of descent or rate of rise of the plane, and means operated by variations in the pressure of the exterior air disposed entirely within the second named compartment for operating said indicator.

2,077,268
BROKEN AXLE EXTRACTOR
Joseph K. Schaefer, Los Angeles, Calif.
Application May 1, 1934, Serial No. 723,379
5 Claims. (Cl. 294—103)

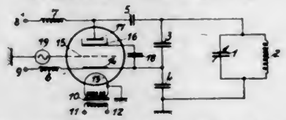
1. In a device of the class described, a circular head, a sleeve fitted into said head, a fixed jaw carried by said head and embodying an arcuate segment, a movable jaw of like formation slidable relative to said fixed jaw, a rack mounted in said movable jaw, guide pins carried by said

movable jaw and extending into said fixed jaw, an operating rod extending through said sleeve and having a pinion meshing with said rack, and



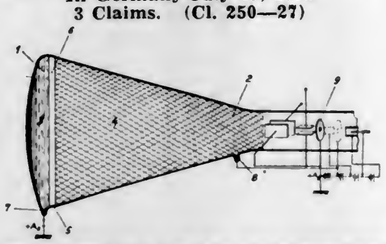
an operating handle fixedly mounted on said rod and adapted to impart rotational movement to said pinion to actuate said movable jaw relative to said fixed jaw.

2,077,269
OSCILLATION GENERATOR
Kurt Schlesinger, Berlin, Germany
Application April 14, 1933, Serial No. 666,125
In Germany April 15, 1932
8 Claims. (Cl. 250—20)



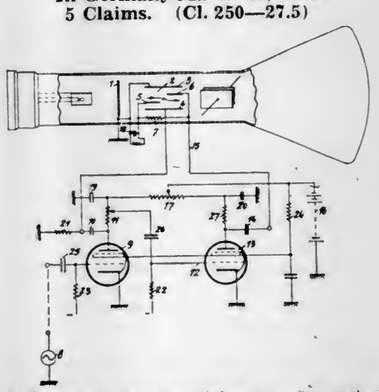
1. In an oscillation generator an electronic tube having an anode, an indirectly heated cathode, and a control-grid, the heating element of said cathode isolated from said cathode, a tunable high frequency oscillatory circuit consisting of a condenser and a coil in parallel, said circuit inserted in series with a condenser between said anode and earth, a back-coupling capacitative potential divider shunted across the terminals of said coil consisting of two condensers in series, the middle point of which being connected to said cathode, a source of direct current connected to said anode and said cathode, and a control-current source inserted between said control-grid and earth for modulating the oscillations produced by said generator.

2,077,270
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany
Application July 15, 1933, Serial No. 680,584
In Germany July 19, 1932
3 Claims. (Cl. 250—27)



1. In combination a Braun tube comprising an evacuated envelope, a cathode and an anode arranged in operative relationship thereto for producing a cathode ray, means to control the intensity of the cathode ray, a fluorescent screen, mean for deflecting the cathode ray in two directions at right angles to each other for scanning the fluorescent screen, means for concentrating the cathode ray, said concentrating means being arranged between said cathode and said deflecting means, further concentrating means comprising an electrode located inside said Braun tube at a smaller distance from said fluorescent screen than said deflecting means and said anode, and a further electrode insulated from the first said one and arranged between the first said electrode and the fluorescent screen; means to supply the anode with a high positive potential; means to supply the first said electrode with a potential which is negative in comparison to said anode potential; and means to supply the further said electrode with a potential which is positive in comparison to the potential which the first said electrode is to be supplied with.

2,077,271
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany
Application March 26, 1934, Serial No. 717,307
In Germany March 29, 1933
5 Claims. (Cl. 250—27.5)

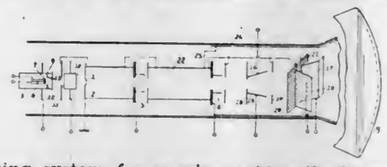


1. A Braun tube comprising an evacuated envelope encasing a cathode and an anode arranged in operative relationship thereto, means for controlling the intensity of the cathode ray generated with the aid of a D. C. potential difference between said electrodes, a picture receiving screen, one system of deflecting plates for deflecting the cathode ray in one direction, a further system of deflecting plates for deflecting the cathode ray in a direction perpendicular to the first said one, said systems of deflecting plates being mounted between said anode and said screen, each of said systems comprising two outer plates and two middle plates, said middle plates being mounted one behind the other one with respect to the direction of the cathode ray and the planes of said middle plates of each of said systems being parallel to those of said outer plates of the same system.

2,077,272
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany
Application July 6, 1934, Serial No. 733,995
In Germany July 8, 1933
5 Claims. (Cl. 250—27.5)

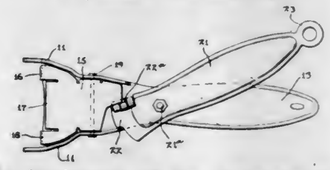
1. A Braun tube for television purposes comprising an evacuated envelope enclosing an elec-

tron source consisting of an indirectly heated cathode, a Wehnelt-cylinder surrounding said cathode, a control electrode mounted within said cylinder in front of said cathode, and a plate shaped apertured anode mounted in front of said cylinder, means including said cathode and said anode for producing a cathode ray, said Wehnelt cylinder and said anode forming a pre-concen-



trating system for causing said cathode ray to pass said apertured anode with an opening angle of at most 7 degrees, a fluorescent screen, an electrostatical electron-optical system comprising a plurality of apertured electrodes, mounted between said anode and said screen, and deflecting means for deflecting the cathode ray in two directions perpendicular to one another for the purpose of scanning said screen.

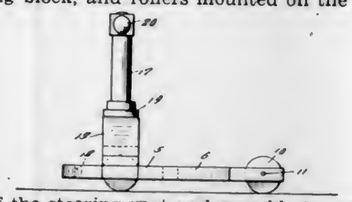
2,077,273
DETACHABLE HANDLE FOR DISHES
Harry P. Serio, Elmira, N. Y.
Application March 30, 1936, Serial No. 71,746
8 Claims. (Cl. 294—31)



1. An implement of the character described comprising a handle, a rigid jaw formed at one end of the handle, consisting of an approximately flat plate having side flanges, the forward end of which flanges are cut away and extended beyond the front edge of the plate, a movable jaw beneath the stationary jaw, having upstanding side ears intermediate its ends in pivotal connection with the said side flanges and having its portion rearwardly beyond the pivot provided with a wedge flange at one side, a lever pivoted intermediate its ends to the handle and extending for the full length of the latter for swinging movement horizontally parallel to the plane of the handle, the inner end of said lever having an extension between the rear portions of the flanges of the rigid jaw and having a wedge member at one side cooperating with the wedge flange of the movable jaw to control vertical swinging movement of the movable jaw by horizontal swinging movement of said lever.

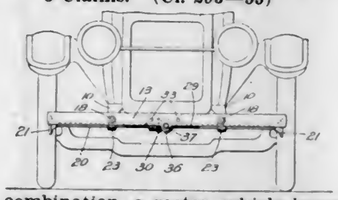
2,077,274
TOY VEHICLE
Edwin F. Silkman, Baltimore, Md.
Application September 27, 1935, Serial No. 42,501
1 Claim. (Cl. 280—87.5)

A toy of the character described comprising a substantially U-shaped broad flat platform, supporting rollers for the platform mounted in opposite sides of the U adjacent the open end of the U, said platform at the closed end of the U being provided with a circular opening, a bearing block secured to the platform and bridging said circular opening, a steering post journaled in the bearing block, and rollers mounted on the lower



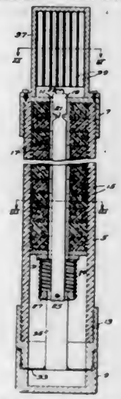
end of the steering post and movable toward the right or left within the confine of the circular opening.

2,077,275
COMBINED BUMPER AND JACK
Gustaf Sjolander, Midland, Mich.
Application August 19, 1936, Serial No. 96,888
3 Claims. (Cl. 293—55)



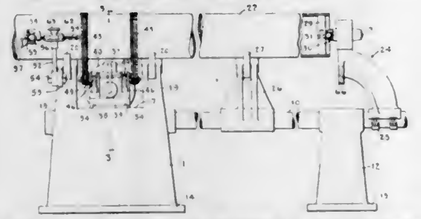
1. In combination, a motor vehicle bumper, a lifting jack extending longitudinally of the bumper, means for rigidly and pivotally mounting the bumper and jack upon a vehicle frame, said jack being in the nature of a rod having terminal feet, a bracket on the bumper, meshing bevel gears carried by the bracket, one of the gears having a screw thread connection with the jack, a shaft for the other gear terminating in wrench faces, and anti-rattling means between the bumper and the jack.

2,077,276
CIRCUIT INTERRUPTER
Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application October 13, 1931, Serial No. 568,554
Renewed October 1, 1935
45 Claims. (Cl. 200—144)



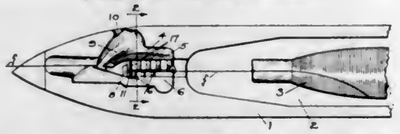
1. In a device the normal function of which is to interrupt an electric current, means between which an arc is established and arc extinguishing means including a solid member adjacent the arc path, said member being of a material which when acted upon by the arc gives off gas substantially all of which is non-inflammable, and means for preventing the free efflux of the major portion of said gas from said member without flowing through the arc path.

2,077,277
PIPE CUTTING OR WELDING APPARATUS
Donald L. Smith, Dunellen, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application June 20, 1934, Serial No. 731,574
2 Claims. (Cl. 266—23)



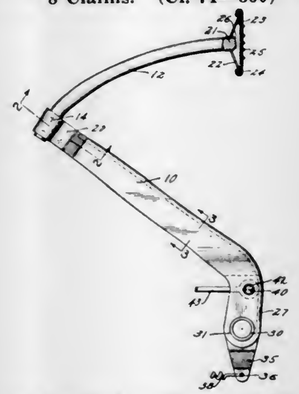
1. A pipe cutting or welding machine comprising a stationary frame including two pedestals and two parallel tubular members extending between the pedestals and connected to said pedestals, bed rollers on spaced parallel axles at the upper end of one of the pedestals, other bed rollers on spaced parallel axles carried by a support which is movable along the tubular members, each one of the rollers carried by said support having its axis extending in the same direction as the axis of one of the rollers at the upper end of the pedestal, the tubular members extending parallel to the axes of alinement of the rollers so that said alinement is maintained as the support is moved along the tubular members, means for rotating a pipe resting on the rollers including a chain adapted to pass around the pipe between its regions of support on the rollers, means connected with the frame below the pipe for driving the chain and maintaining it under a yielding tension, abutment means for preventing axial movement of the pipe on the rollers, and a support for the abutment means movable along the tubular frame members.

2,077,278
LOOM SHUTTLE
Isaac Snow, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application October 30, 1936, Serial No. 108,424
3 Claims. (Cl. 139—215)



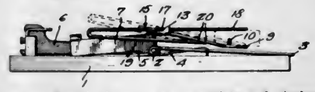
1. An automatically threading loom shuttle comprising a shuttle body having a threading block and a side delivery eye, said threading block having a longitudinal thread passage, and a one-piece sheet-material tension device fixed to said threading block in said thread passage; said tension device comprising a longitudinal portion fixed in a slot at the bottom of said thread passage and two series of thread tensioning fingers formed integrally with said longitudinal portion and projecting upwardly therefrom in fixed staggered relation, the tops of the fingers of one series being bent toward the front of the thread passage and the tops of the fingers of the other series being bent toward the back of the thread passage to provide an upwardly opening thread entrance.

2,077,279
LEVER CONSTRUCTION
Samuel A. Snell, Toledo, Ohio, assignor to Nagole, Inc., Toledo, Ohio, a corporation of Ohio
Application February 1, 1933, Serial No. 654,689
8 Claims. (Cl. 74—560)



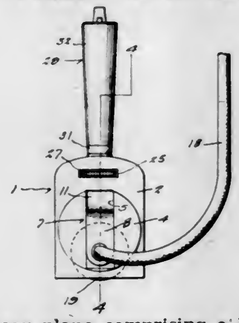
1. A pedal control member comprising in combination a channel shaped body portion, the side walls of said channel shaped member at one extremity being formed into substantially cylindrical configuration, the side walls of said channel member being welded together adjacent said cylindrical configuration; an angularly extending curved bar having a portion projecting into said cylindrical formation of the body member; said bar being welded to the channel member, the bar being formed with a tenon on one end thereof; a pad member mounted upon said tenon, a portion of the latter being swaged to hold said pad member in fixed relation on said bar.

2,077,280
MOUSE AND RAT TRAP BAIT CLAMP
George G. Sprang, Shreve, Ohio
Application April 4, 1936, Serial No. 72,783
4 Claims. (Cl. 43—81)



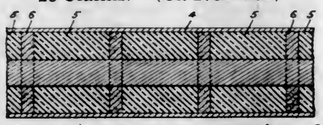
1. In a rodent trap, a combined trigger and bait holding arm fulcrumed intermediate its ends and having a bait supporting end, and means for clamping bait to said arm comprising, a pair of laterally spaced lugs on said arm adjacent the fulcrum thereon, the upper ends of said lugs being provided with sockets, and a detachable bait clamp comprising a frame of resilient wire having a wide portion adapted to straddle said lever, inwardly directed portions intermediate the ends of the frame adapted to seat in said sockets, a looped reduced end projecting over the bait supporting end of the arm, and a pair of leg portions terminating in inwardly directed ends adapted to take under said arm and tension said looped end.

2,077,281
ROTARY PLANE
John Stevenson, Withee, Wis.
Application April 11, 1936, Serial No. 73,941
3 Claims. (Cl. 51—170)



1. A rotary plane comprising a housing open at its bottom and closed at its top, said housing including opposed side walls having slots therein, a yoke slidably mounted in the housing and engaged in the slots, a grinding wheel journaled in said yoke, a screw shaft connected to said yoke, a nut rotatably mounted in the housing and threadedly connected with the screw shaft for adjusting the grinding wheel, a socket in the housing, an extension on the yoke slidable in the socket to secure the yoke against lateral movement in the housing, and a handle threadedly mounted on said screw shaft and engageable with the housing for releasably locking said screw shaft in adjusted position.

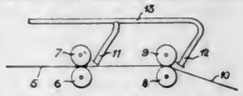
2,077,282
ELECTRICAL ARC EXTINGUISHING AND INSULATING MATERIAL
Albert P. Strom, Wilkinsburg, Clinton L. Denault, Forest Hills, and Leon McCulloch, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania
Application March 10, 1931, Serial No. 521,500
15 Claims. (Cl. 173—264)



1. In electrical apparatus, a member of arc extinguishing material comprising a self-sustaining block which remains solid at ordinary room temperatures and said self-sustaining block when heated by an arc evolving gas substantially all of which is non-inflammable and readily condensable to effect the extinguishment of the arc.

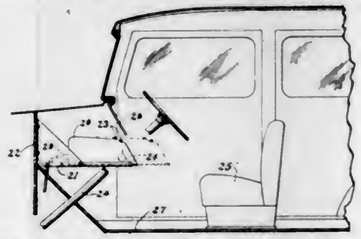
2,077,283
MANUFACTURE OF STAPLE FIBER YARNS FROM CONTINUOUS FILAMENTS
William Ivan Taylor and Leslie Brisbane Gibbins, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application August 25, 1934, Serial No. 741,434
In Great Britain September 5, 1933
8 Claims. (Cl. 19—1)

1. Apparatus for the production of staple fiber yarns, comprising means for converting a bundle of continuous filaments directly into a continuous product containing staple fibers by severing continuous filaments of the bundle, and means for



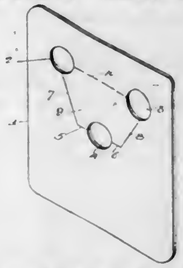
directing a gaseous stream against said product to remove therefrom loose short fibers contained therein.

2,077,284
AUTOMOBILE RADIO RECEIVER
Edmund J. Te Pas, Rocky River, Ohio, assignor to Walter A. Frantz, Cleveland Heights, Ohio
Application October 25, 1933, Serial No. 695,129
9 Claims. (Cl. 250—14)



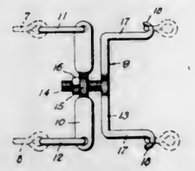
1. An automobile radio receiving set for use by the occupants of the front seat of an automobile comprising, a case for the loud speaker and the other operating parts of the set including control devices for the receiver located on the outside of the case, and means for supporting said case forwardly of the front seat of the automobile for movement towards and away from the same, the loud speaker of the set being arranged to direct the generated sound waves in a direction upward and toward the rear of the automobile.

2,077,285
TAG
Samuel J. Thackeray and George W. Henry, Jr., Philadelphia, Pa., assignors to Soabar Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 4, 1936, Serial No. 57,585
5 Claims. (Cl. 40—20)



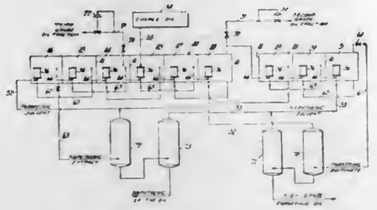
1. A tag comprising a body of flat sheet material, said body having therein three apertures arranged in triangular formation and a plurality of slits defining the free edges of a tab joined to said body along a line between two of said apertures, one of said slits intersecting the aperture at the apex of said triangle, and others of said slits extending from the other apertures and meeting the slit first named at an angle to the latter and on opposite sides of the said apex aperture respectively.

2,077,286
ANTISKID DEVICE
Sam W. Tooley, Montello, Nev.
Application July 22, 1935, Serial No. 32,634
1 Claim. (Cl. 152—14)



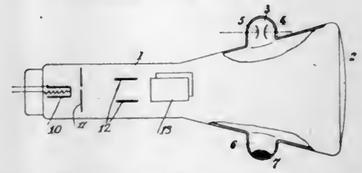
An anti-skid device for automobile wheels of the dual type comprising, a pair of skid chains, a coupling bar to each end of which one end of one of said chains is connected, said bar having an aperture therein intermediate its ends, a U-shaped yoke member comprising substantially parallel side arms and a cross bar, the side arms being of sufficient length to straddle a spoke of the wheels and prevent creeping, said side arms terminating in outwardly opening hooks disposed in the plane of the yoke member for the connection of the ends of the chains which pass straight across the inner peripheries of both wheels, a threaded stud projecting from the center of the cross bar and extending through said aperture, and a nut on said stud adjustably and detachably securing said yoke and said bar together.

2,077,287
JOINT PRODUCTION OF PLURALITY OF GOOD OIL FRACTIONS FROM MINERAL OIL
Malcolm H. Tuttle, New Rochelle, N. Y., assignor to Max B. Miller & Co., Inc., New York, N. Y., a corporation of Delaware
Application October 23, 1934, Serial No. 749,519
4 Claims. (Cl. 196—13)



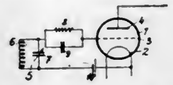
1. A process for extracting a mineral oil by means of counterflowing separable, paraffinic and naphthenic solvents, which comprises continuously counterflowing said solvents by introducing them at spaced points, continuously introducing mineral oil to be treated to said counterflowing solvents at an intermediate point, continuously withdrawing extract and raffinate fractions from points respectively adjacent said first-named points, evaporating said solvents from said raffinate and extract fractions in suitable evaporators, withdrawing an intermediate raffinate fraction at a point between the point where the first-named raffinate is withdrawn and the point of introducing charge oil, and evaporating the solvents from said intermediate raffinate by batches in the same evaporating system employed for freeing the first-named paraffinic raffinate from solvents.

2,077,288
CATHODE RAY TUBE
Manfred von Ardenne and Siegmund Loewe, Berlin, Germany; said von Ardenne assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany, a company of Germany
Application May 20, 1932, Serial No. 612,410
In Germany May 23, 1931
12 Claims. (Cl. 250—27.5)



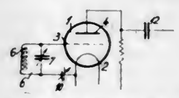
3. In an electric discharge device the combination comprising means to produce a cathode ray, a permanent gas atmosphere adapted to become ionized when traversed by the cathode ray, and an auxiliary ionic source for maintaining the focussing of the cathode ray even in the case of high and fluctuating rates of deflection.

2,077,289
METHOD OF AND ARRANGEMENT FOR RECEIVING SHORT WAVES
Manfred von Ardenne, Berlin, Germany
Application February 5, 1934, Serial No. 709,707
In Germany February 15, 1933
2 Claims. (Cl. 250—27)



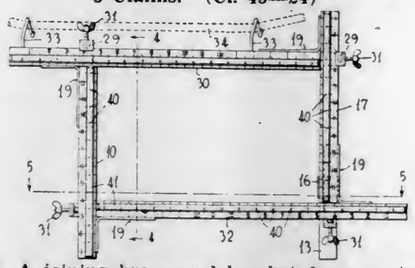
1. In a tube for rectifying short waves, more particularly for waves of less than 10 meters, using grid leak rectification, a cathode, a grid and an anode, said grid connected to a relatively high positive potential over a relatively small grid leak resistance in order to make the time the electrons take to pass the distance between the electrodes shorter than a period of the high frequency to be rectified.

2,077,290
METHOD OF AND ARRANGEMENT FOR RECEIVING SHORT WAVES
Manfred von Ardenne, Berlin, Germany
Original application February 5, 1934, Serial No. 709,707. Divided and this application April 15, 1936, Serial No. 74,441. In Germany February 15, 1933
3 Claims. (Cl. 250—27)



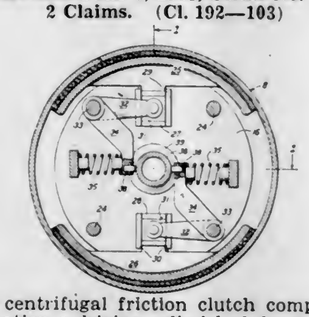
1. In a tube for rectifying short waves, more particularly for waves of less than 10 meters, using anode bend rectification, a cathode, a grid and an anode, said anode connected to a source of high positive potential over a relatively small anode resistance, said tube having a small amplification factor, the anode potential being sufficient to make the time the electrons take to pass the distance between the electrodes shorter than a period of the high frequency to be rectified.

2,077,291
CURTAIN STRETCHER
Richard E. Walls, Youngstown, Ohio
Application November 21, 1935, Serial No. 50,930
5 Claims. (Cl. 45—24)



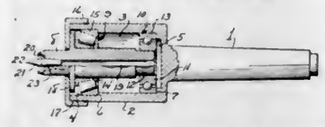
1. A joining brace and bracket for a curtain stretcher, of the type comprising upper and lower horizontal members and vertical members each having one end abutting an adjacent member, comprising a portion rigidly fastened near the end of a member and extending beyond said end and then forward and back over itself so as to partially enclose an adjoining member, an adjustable clamping member in the forwardly extending portion adapted to hold the members in adjusted position, a portion bearing on the outer side of the brace carrying member and a portion at right angles thereto extending outwardly of the frame inclosure and adapted to bear against the inner side of the adjacent member.

2,077,292
CENTRIFUGAL CLUTCH
Charles Raymond Waseige, Rueil, France, assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application June 7, 1935, Serial No. 25,493
2 Claims. (Cl. 192—103)



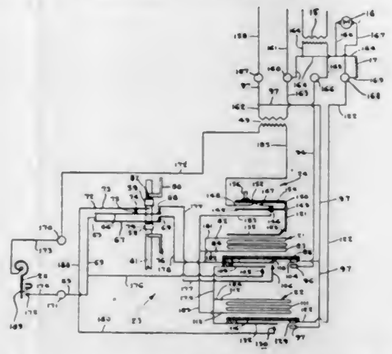
1. A centrifugal friction clutch comprising in combination a driving cylindrical drum rotatable about its own axis, a driven member within the drum having a plurality of pairs of spaced flanges thereon, each pair of flanges being parallel with respect to each other and to the diameter of the drum, friction shoes located within said drum and adapted to engage the cylindrical wall of said drum, said shoes having portions slidably engaging said flanges, double arm levers pivotally mounted on said driven member, one arm of each lever being operatively connected to a friction shoe in a manner to move the shoe radially of the drum, the other arm of each of said levers being arranged adjacent the axis of the drum, spring means for rocking said levers in a manner to cause the shoes to engage the drum, and an axially movable shaft having a tapered portion for engaging the arms of the levers to disengage the shoes from the drum.

2,077,293
LATHE CENTER
William C. Weaver, Dalmatia, Pa.
Application April 22, 1936, Serial No. 75,810
2 Claims. (Cl. 82—33)



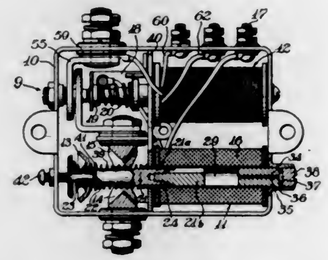
1. A lathe center comprising, a shank formed with a cylindrical end housing having an interior circular shoulder adjacent its forward end, a tapered roller bearing fitted into the forward end of said housing and including outer and inner race members the former bearing against said shoulder, a spindle mounted in the inner race member and having a circular radial flange opposed to said shoulder and bearing against the outer side of the inner race member, said spindle projecting outside of said housing, and an annular cap member threaded onto said housing over the projecting end of the spindle and bearing against said flange.

2,077,294
OIL BURNER CONTROL
Everett H. White, St. Paul, Minn.
Application September 21, 1933, Serial No. 690,396
3 Claims. (Cl. 158—28)



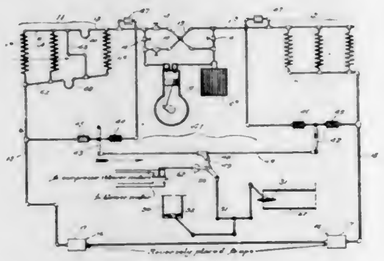
1. A control system, for a burner having electrically actuated fuel feeding and ignition means, comprising a main control switch, a combustion responsive switching mechanism having first and second contacts which are closed in the absence of combustion and are successively opened upon the establishment of combustion, and third contacts which are open in the absence of combustion and closed upon the establishment of combustion prior to the opening of the second contacts, a first multiple contact relay operable when energized to close the circuit of the fuel feeding means and a holding circuit through its actuating means including said third contacts, a circuit for energizing the first relay actuating means, a second multiple contact relay including an actuating means operable when energized in response to the closing of the main control switch and said first contacts to successively close the circuit of the ignition means and the circuit for energizing the first relay actuating means, and a circuit including the second relay actuating means and said second contacts for maintaining energization of said second relay actuating means until said third contacts are closed.

2,077,295
TIME DELAY DEVICE FOR AUTOMATIC SWITCHES
Maurice P. Whitney, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Original application April 12, 1930, Serial No. 443,833. Divided and this application October 30, 1935, Serial No. 47,463
4 Claims. (Cl. 188—94)



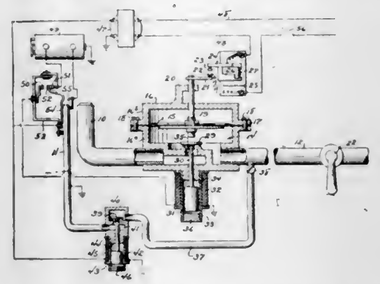
1. In a device of the class described, a cylinder having a restricted opening, a plunger loosely mounted to reciprocate in said cylinder and provided intermediate its length with a circumferential groove forming a shoulder and a communicating longitudinal groove forming an air passage opening into said cylinder beyond the piston, an obturator within said cylinder having a lost motion mounting in said groove and adapted when resting against said shoulder to form with said plunger an air-tight piston but to open said air passage when at the other end of its lost motion.

2,077,296
HOUSE TEMPERATURE CONTROLLING APPARATUS
Gilbert Wilkes, Jacksonwald, Pa., assignor to Wilkes Avery Corporation, New York, N. Y., a corporation of New York
Application December 24, 1931, Serial No. 583,125
30 Claims. (Cl. 62—3)



1. The combination in refrigerating apparatus of two evaporator-condenser coils, a compressor connected between corresponding ends of the coils arranged to selectively draw from either of said coils and discharge to the other thereof, and a single permanent connection between the opposite ends of the coils including a pair of traps disposed back to back permitting passage of liquid through the connection in either direction while preventing passage of gas in either direction.

2,077,297
AUTOMATIC CONTROL AND ELECTRIC IGNITION FOR GAS BURNERS
James Bernard Williams, Minden, La.
Application October 1, 1934, Serial No. 746,477
2 Claims. (Cl. 158—117.1)



2. An appliance of the kind indicated comprising, in combination with a gas burner and a gas conduit feeding the same from a gas supply source, a burner valve interposed in said conduit and controlling the admission of gas to the burner, means for normally retaining said valve in closed position, electrical means for opening said valve, a pilot burner having a conduit feeding it from the gas supply source from a point ahead of the burner valve, a valve interposed in the pilot conduit, means for normally retaining the pilot valve in closed position, electrical means for opening said pilot valve, ignition apparatus for the pilot burner, means responsive to a predetermined pressure of gas in the first said conduit to admit energizing current to the pilot valve opening means and to the ignition apparatus, and means responsive to combustion at the pilot burner and operatively connected with the ignition apparatus to de-energize the latter and admit energizing current to the burner valve opening means only after ignition of the pilot burner.

2,077,298
PROCESS FOR THE EXTRACTION OF HALOGEN FROM FLUIDS
George E. Zelger, Montreuil sous Bois Seine, France, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application March 16, 1935, Serial No. 11,465. In France March 31, 1934
18 Claims. (Cl. 23—216)

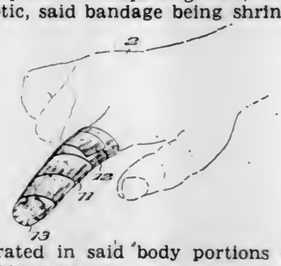
1. A process for extracting halogen from a fluid medium comprising allowing the halogen-containing-fluid to come in contact with a condensation product of a polyvinyl alcohol and an aldehyde.

15. A product comprising a condensation product of a polyvinyl alcohol and an aldehyde with halogen sorbed thereon.

2,077,299
SURGICAL WRAPPING
Allen Abrams, Charley L. Wagner, and George W. Forcey, Wausau, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application March 19, 1936, Serial No. 69,732
10 Claims. (Cl. 128—156)

5. A bandage for wrapping living body portions comprising a strip of a pressure sealable thermo-

plastic composition comprising wax, rubber and an antiseptic, said bandage being shrinkable by



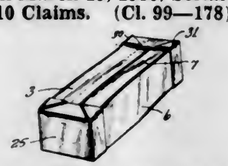
heat generated in said body portions so as to firmly engage same.

2,077,300
PACKAGING CHEESE
Allen Abrams and Charley L. Wagner, Wausau, and Benjamin F. Davis, Arena, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application March 19, 1936, Serial No. 69,733
12 Claims. (Cl. 99—178)



11. The process of preserving and ripening cheese which comprises forming a compressed mass of green cheese, completely enclosing said cheese in a sheet made of a wax-rubber composition having an initial viscosity of at least 8000 secs. (Scott viscosimeter at 90° C.), applying pressure to said wrapped cheese to adhere said sheet to the superficial surface of said mass of cheese and to completely seal the cheese within the said sheet, and curing the cheese within the said sheet.

2,077,301
PACKAGING CHEESE
Allen Abrams, and Charley L. Wagner, Wausau, and Benjamin F. Davis, Arena, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application March 19, 1936, Serial No. 69,734
10 Claims. (Cl. 99—178)

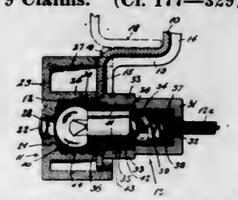


8. A cheese package consisting of a mass of processed cheese completely enclosed with sheet material having an adherent flexible film made of a wax-rubber composition comprising 12 to 15% rubber and having an initial viscosity of at least 8000 secs. (Scott viscosimeter at 90° C.), said film being adjacent the cheese and adhering to same throughout its superficial surface to prevent mold growth and loss of moisture content.

2,077,302
METHOD OF FINISHING BUTTONS AND THE LIKE
Ralph L. Atkinson, Dorchester, Mass., assignor, by mesne assignments, to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application December 7, 1933, Serial No. 701,362
6 Claims. (Cl. 8—5)

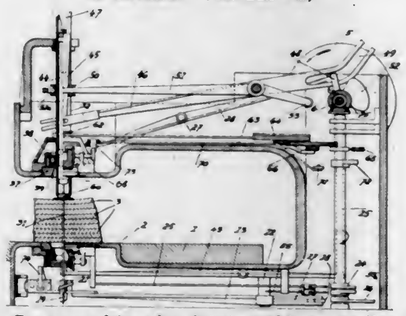
1. The method of finishing leather and like covered articles of manufacture which comprises tumbling the articles in sawdust and the like impregnated with a dye solution to the point where it is damp but not wet, drying said articles, again tumbling the dyed articles and applying a finish coating thereto, again drying said articles and finally polishing said articles by a tumbling process.

2,077,303
TELLTALE SIGNAL
Gustave F. Bahr, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application February 21, 1936, Serial No. 65,039
9 Claims. (Cl. 177—329)



1. In a combined telltale signal light for automobile electrical circuits and an inbuilt but projecting element to facilitate mounting of said light at an appointed location by way of the projecting part of said element, the combination of said element, the same including an apertured arm; an incandescent electric bulb; a receptacle therefor including a shell having a circumferential abutment thereon and having a threaded end portion, said abutment for engaging said apertured arm and said end portion for passing through the aperture in said arm; and a cover structure having a threaded recess for taking said threaded end portion, said cover being screwed to said shell so as to urge said arm tightly against the abutment of the shell.

2,077,304
MACHINE FOR JOINING SKINS
Alfred Bartha, Budapest, Hungary
Application February 28, 1935, Serial No. 8,743
In Hungary March 3, 1934
3 Claims. (Cl. 112—2)



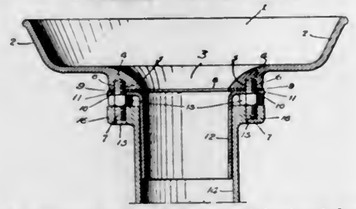
1. In a machine for joining skins, needles for pricking holes in skins laid on one another, each of the needles having a depression thereon, means for stretching a length of wire in the form of a V adjacent the skins, means for stretching further the wire portion while the needles are inside of the V for straightening it to engage the wire with the said depressions, means for reciprocating the needles to pass the wire through the skins in U-form, and means for twisting together the free ends of the wire.

2,077,305
MULTIPLATE TRANSPARENCY
George W. Batchell, Toledo, Ohio
Application September 9, 1935, Serial No. 39,774
2 Claims. (Cl. 49—92)



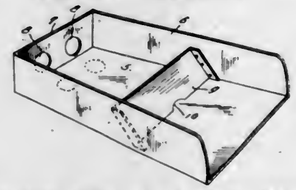
1. A unit comprising a paid of spaced vitreous-surface members in opposing relation, each member having a recessed seat, a spacer for the members nesting in said seats, and bonding means bridging between and having anchorage between the spacer and members at the respective seats.

2,077,306
FOOD HANDLING APPARATUS
Sylvan Braun, Philadelphia, Pa., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa., a corporation of Pennsylvania
Application February 13, 1936, Serial No. 63,814
8 Claims. (Cl. 226—38)



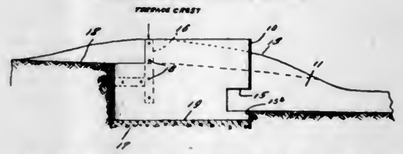
5. A feeding tray for use with food handling apparatus having an inlet neck portion and recesses laterally adjacent thereto, said feeding tray comprising a sleeve member arranged for removable insertion inwardly of said inlet neck portion and a tray member having an outlet opening therein, and means extending through said sleeve member and secured in said tray member to detachably connect the sleeve and tray members together, said means projecting below the bottom of the tray member for removable engagement with the recesses adjacent the inlet end of the neck portion to prevent relative rotation of said feeding tray with respect to said neck portion when the sleeve member is inserted inwardly of the latter.

2,077,307
TERRACE OUTLET
Orville C. Bumpas and William J. Mills, Braden, Tenn.
Application October 21, 1935, Serial No. 46,051
6 Claims. (Cl. 61—10)



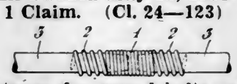
1. A terrace outlet of the class described including, in combination, an outlet box closed at one end and open at the other end, a baffle across the outlet box having an aperture in the bottom edge thereof to provide a drain for said baffle, a pipe entering said outlet box through the closed end and terminating in a water inlet at a point in the flow line of the terrace.

2,077,308
TERRACE OUTLET
Orville C. Bumpas and William J. Mills, Braden, Tenn.
Application January 14, 1936, Serial No. 59,146
2 Claims. (Cl. 61—18)



1. In agricultural terracing, a terrace outlet by carrying off the surplus water of a terrace to the level of the next succeeding terrace, said outlet comprising a substantially cylindrical drum adapted to be anchored in an excavation in the terrace and having a portion of the upper edge of its peripheral wall cut away to form an inlet for the drum, and at a diametrically opposite point in its periphery adjacent its bottom an outlet from the drum, whereby the excess water from the terrace will spill into the drum through the inlet of the drum and pass from the drum through the outlet of the latter to the next succeeding terrace or ground level.

2,077,309
BELT FASTENER FOR ROUND BELTS
Carl Eric Carlsson, Stockholm, Sweden
Application March 11, 1935, Serial No. 10,565
In Sweden May 12, 1934
1 Claim. (Cl. 24—123)



A belt fastener for round belts, comprising a cylindrical spiral spring of steel wire, including a closely wound middle portion having a resistance to stretching greater than the normal load on the belt in operation, and two end portions formed with intervals between their turns whereby the belt ends may be brought into engagement therewith by a screwing action and to allow said end portions to streach under the normal operating load, whereby the end portions are reduced in diameter and more firmly grip the belt as a result of the applying of a load on the belt, whereas the middle portion maintains its length, thereby substantially preventing increasing of the total length of the belt when under normal load.

2,077,310
PROCESS OF PURIFYING CHLORINE
Russell E. Cushing, Wyandotte, Mich., assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 1, 1936, Serial No. 62,002
8 Claims. (Cl. 62—175.5)

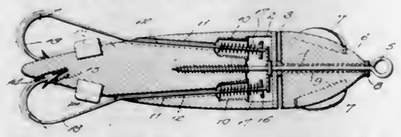
1. The process of removing the organic impurities from chlorine in mixtures of chlorine containing less than about 1%, by weight, of such impurities, which comprises passing the chlorine to be purified in the gaseous phase into a suitable container, converting a portion of said gaseous chlorine into liquid chlorine, bringing said gaseous

chlorine and said liquid chlorine into contact to cause condensation and solution of the impurities



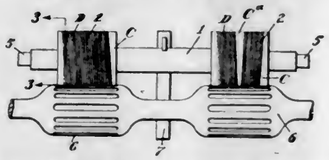
of the gaseous chlorine by the liquid chlorine, and thereafter effecting a separation of the gaseous chlorine and the materials in the liquid phase.

2,077,311
BAIT
Tony Darby, Michigan City, Ind., assignor of one-half to Michael L. Darby, Whiting, Ind.
Application March 30, 1936, Serial No. 71,781
4 Claims. (Cl. 43—35)



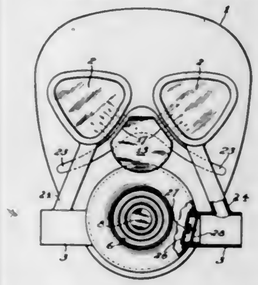
1. An artificial bait comprising a body, line attaching means secured to the body, a head journaled on said means, means for causing the head to rotate as the body is drawn through the water, hooks slidably and rotatably mounted in the body and normally turned to extend in the direction of the body to prevent catching into weeds, means for temporarily retaining the hooks in said position, spring means acting on the hooks to turn the hooks outwardly of the body when free, and means for freeing the hooks when engaged by a fish.

2,077,312
TENSION ROLL
Howard F. Donald, Franklin, Mass.
Application February 13, 1935, Serial No. 6,305
10 Claims. (Cl. 19—142)



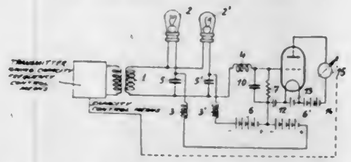
1. A tension roll for a spinning machine comprising a plurality of relatively thin flat, closely compacted laminae of unbroken, non-yielding circumference rigidly assembled in face to face contact, the faces of the laminae being disposed in planes which intersect the axis of the tension roll at an angle other than a right angle and means for maintaining the laminae under sufficient axial compression to present the same to the passing roving as a substantially solid, smooth friction surface, the edges of said laminae furnishing friction to and tensioning the roving as it traverses said roll.

2,077,313
BREATHING APPARATUS
Joseph B. Dym, Pittsburgh, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 14, 1936, Serial No. 79,698
5 Claims. (Cl. 128—141)



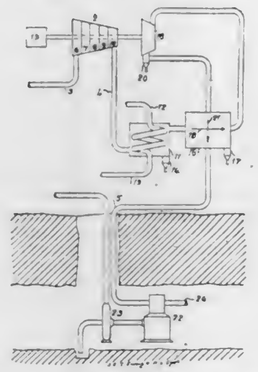
2. Breathing apparatus comprising a face-piece provided with an air inlet, a pair of lenses mounted in said face-piece, and an exhalation valve mounted on the face-piece between said lenses, said valve having outlet openings from which exhaled air passing through the valve is directed across the outer surfaces of said lenses.

2,077,314
DEVICE FOR DISTANT CONTROL
Heinrich Eberhard and Walther Gutzke, Berlin, Germany
Application December 23, 1932, Serial No. 648,616
In Germany December 24, 1931
4 Claims. (Cl. 250—36)



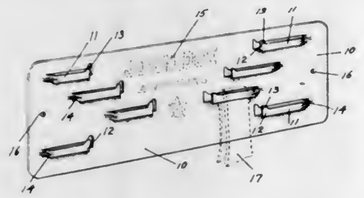
1. In a piezo-electric relaying device for distant control by variations of the normal frequency of electrical oscillations, two oscillatory circuits with a common input coil, each of said circuits containing a piezo-electric resonator, a condenser and said common input coil in series, each of said piezo-electric resonators consisting of a piezo-electric crystal between two electrodes in a gas-filled tube, the one of said oscillatory circuits tuned to a frequency greater than said normal controlling frequency, and the other oscillatory circuit tuned to a frequency smaller than said normal frequency, two sources of potential connected together in series and having two outside terminals, means for connecting one of said terminals between one of said crystals and its condensers, means for connecting the other of said terminals between said other crystal and said other condenser and relaying means connected between a point between said sources and a point between said common input coil and said condensers.

2,077,315
DE-VAPORIZING COMPRESSED AIR
Sydney Edward Thacker Ewing and Arthur Lindsey Egan, Johannesburg, Union of South Africa
Application April 6, 1934, Serial No. 719,400. In the Union of South Africa August 29, 1933
7 Claims. (Cl. 62—137)



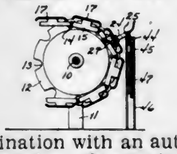
1. The process of conditioning mine air by providing, at the surface of the mine, air which is compressed to a higher pressure than the working pressure at which it is to be used in said mine, said air being at the prevailing temperature and containing no water other than water vapour, cooling such air by heat exchange with the air exhausting from an expansion motor, further cooling it by expanding it against a load in said expansion motor down to its working pressure, causing the cold exhaust compressed air from said expansion motor to cool the over-compressed air incoming thereto, then working said air expansively in the second expansion motor driving a load and causing it thereafter to cool the mine atmosphere.

2,077,316
HOLDER FOR NECKTIES OR THE LIKE
Lawrence A. Geib, Milwaukee, Wis.
Application June 25, 1935, Serial No. 28,310
2 Claims. (Cl. 211—87)



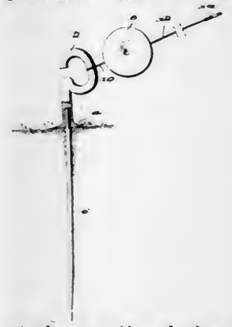
1. As a new article of manufacture, an article holder comprising a flat metal plate apertured for attachment to a support, oppositely arranged sets of article supporting tongues struck outwardly into parallel relation to and from said plate, said tongues being horizontally disposed and having the free ends of those of one set opposed to the similar ends of those of the other set, the tongues of each set being arranged in staggered relation one with respect to the other, and angled projections formed at the top sides of the free ends of said tongues to retain articles in place thereon.

2,077,317
CONVEYER CURRENT CARRIER
Dominic M. Geracc, Jr., Norfolk, Va.
Application November 27, 1935, Serial No. 51,892
4 Claims. (Cl. 198—1)



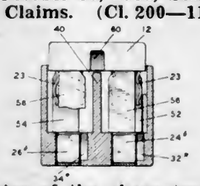
1. The combination with an automobile assembling endless carrier, of a motor for actuating the carrier, plug-in connecters for electric current comprising plugs and receptacles disposed at intervals on the carrier and movable as a unit with the carrier, means for supplying current to the connecters, and means adapted to be operated by the plugs of the connecters to open the motor circuit and halt the carrier.

2,077,318
GOLF STROKE PRACTICE DEVICE
Benjamin Goodman, Pensacola, Fla.
Application July 12, 1934, Serial No. 734,849
3 Claims. (Cl. 273—35)



1. A golf stroke practice device comprising a hook, a spring-wound reel secured thereto, a tape secured to said reel, and a mouth-piece secured to said tape at the end thereof remote from said reel, said hook being suitably secured to the ground or floor in close proximity to a golf-ball, and said mouth-piece being held in the player's mouth.

2,077,319
FUSE PULLER SWITCH
Monroe Guett, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application October 30, 1935, Serial No. 47,496
16 Claims. (Cl. 200—114)



1. In a device of the character described, an insulating body having a well with a plurality of apertures in each end of the bottom of the well, receptacle contacts within said apertures, each aperture having a recess offset into its side, the recesses at one end of the device being in the adjacent sides of the apertures and at the other

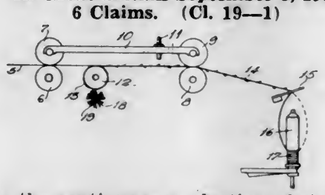
end being in opposite sides of the apertures, in combination with a plug device adapted to fit closely within said well, finger contacts on said plug device adapted to engage with said receptacle contacts and having edgewise extensions adapted to fit within said recesses when said plug device is inserted in said well in a predetermined position and adapted to rest on the floor of said well and overlie said apertures when said plug is reversed end-for-end.

2,077,320

MANUFACTURE OF STAPLE FIBER YARNS FROM CONTINUOUS FILAMENTS

Frank Corbyn Hale and William Howarth, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application August 30, 1934, Serial No. 742,092
In Great Britain September 5, 1933
6 Claims. (Cl. 19—1)



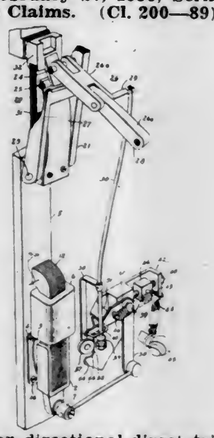
2. In the continuous production of staple fiber yarns by converting a bundle of continuous filaments into a continuous product containing staple fibers, causing such bundle to pass through two points and to travel faster at the second point than at the first so as to break the filaments into staple fibers, and localizing at a given point between the two first-mentioned points the position at which the filaments are broken, so as to increase the uniformity of length of the staple fibers in the product so produced.

2,077,321

DIRECT-TRIP DEVICE

George O. Harrison, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 27, 1936, Serial No. 66,016
16 Claims. (Cl. 200—89)



1. In a power-directional direct-trip device for use with a bus bar, a movable element of magnetic material mounted for movement from an initial position through a range of positions such that its reluctance to the magneto-motive force of said bus bar decreases with movement from said initial position, and potential coil means for producing a flux component in said movable element at right angle to the line of action of said magnetomotive force when said movable element is in said initial position.

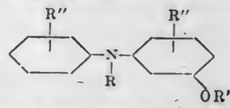
2,077,322

PROCESS FOR THE MANUFACTURE OF AZO DYESTUFFS FOR ESTERS OF CELLULOSE AND AZO DYESTUFFS OBTAINED THEREFROM

Daniel Hatt, Rouen, France, assignor to Compagnie Nationale de Matières Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France, a corporation of France

No Drawing. Application February 21, 1936, Serial No. 65,108. In France March 5, 1935
6 Claims. (Cl. 260—97)

4. Azodyestuffs formed by coupling diazotized amines containing no free—COOH and—SO_3H groups, with derivatives of the general formula:



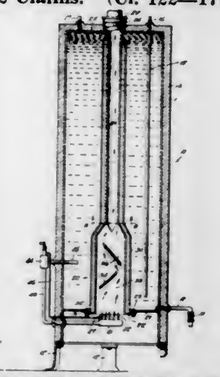
in which R is a member of the group consisting of hydrogen and hydroxyalkyl radicals, R′ is a hydroxyalkyl radical and R″ are members of the group consisting of hydrogen, alkyl and alkoxy radicals, while still having at least one free coupling position.

2,077,323

WATER HEATER

Samuel A. Hendrix, Spokane, Wash.

Application June 29, 1935, Serial No. 29,149
2 Claims. (Cl. 122—17)



1. In an apparatus of the class described, the combination of a storage tank for water, a heating means and a heater unit through which the heated gases or products of combustion from such heating unit pass, arranged within said tank, a series of straight closely spaced vertical walls forming part of said heater unit, each alternate pair of walls being closed along the vertical sides thereof and open at the top and bottom to provide hot gas or fume passages therethrough, whereby the water to be heated may circulate between the walls of the hot gas or fume passages

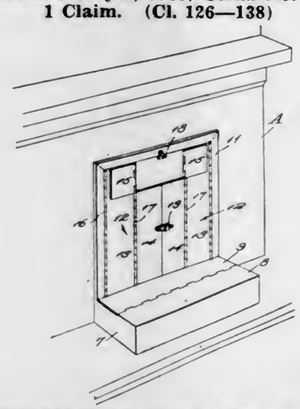
to extract the heat units therefrom, each of said hot gas or fume passages being provided with a pair of angularly disposed baffles vertically spaced and offset from each other with the lower end of the upper baffle extending further to one side than the upper end of the lower baffle, a fume or hot gas pipe integrally connected to the top of the fume or hot gas passages in said heater unit, said fume pipe extending through the top of the storage tank.

2,077,324

FIREPLACE SHIELD

Westley C. Horner, Moundsville, W. Va.

Application July 1, 1935, Serial No. 29,404
1 Claim. (Cl. 126—138)



A shield of the character described comprising a perpendicularly arranged frame having an open center, a forwardly projecting portion at the bottom of said frame and forming a box-like base having a front, ends and top, the top being provided with a door opening, a vertically swinging door pivoted to the top for closing said top opening, horizontally swinging door sections closing the center opening in the frame and vertically pivoted together in pairs and also vertically pivoted to the frame, and doors at the upper portions of the pairs of doors for observation purposes.

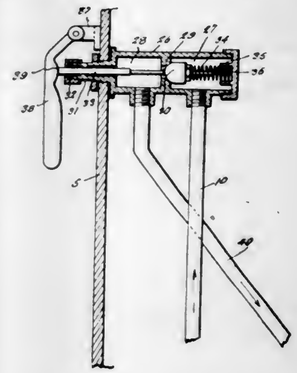
2,077,325

VALVE FOR WATER CLOSET TANKS

Thomas E. Imler, Salina, Kans.

Application January 7, 1936, Serial No. 57,993
1 Claim. (Cl. 251—134)

A valve of the character described, comprising a support, an elongated shell provided with a reduced hollow extension disposed through the support, means on an intermediate portion of the extension for retaining the extension secured to the support, said extension being further reduced outwardly of said intermediate portion, a packing nut threaded on the outer end of the extension, a rod extending through the packing nut and the extension and into the shell, a lever pivotally connected to the support and being disposed over the outer end of the rod, said shell being provided at its intermediate point with a partition apertured and constructed to define a valve seat, said partition dividing the interior of the shell into a pair of compartments in one of which the rod operates, a removable cap at the opposite end of the shell, a valve element engageable with the seat on the partition, a spring interposed between the cap and the valve, an inlet pipe for the valve compartment, an outlet pipe for the rod compartment, said rod being operative through the aperture of the partition and free therefrom to engage



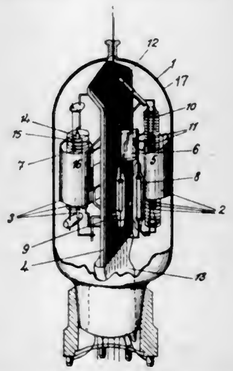
the valve when the rod is moved by pressure of the lever on the outer end thereof.

2,077,326

MULTISTAGE VALVE

Paul Kapteÿn, Berlin, Germany

Application May 4, 1932, Serial No. 609,130
In Germany May 6, 1931
2 Claims. (Cl. 250—27.5)



1. A two-stage high frequency amplifying tube containing two complete thermionic amplifiers coupled together, a metallic screen separating said stages, resistances and a condenser coupling said amplifiers, said resistances and condenser disposed only on the first stage side of said screen.

2,077,327

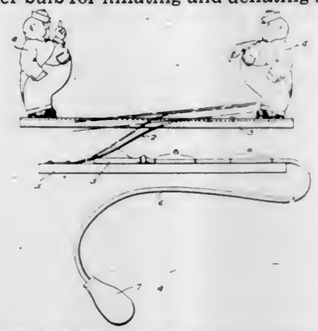
MECHANICAL TOY

David S. Keiser, Glenside, Pa.

Application March 20, 1936, Serial No. 69,973
4 Claims. (Cl. 46—119)

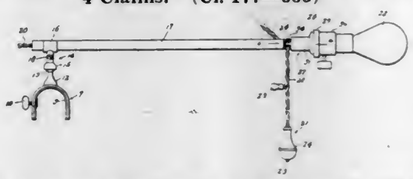
1. In a mechanical device, the combination with a resiliently mounted member, of a spring constituting the resilient mount for said member, and means for actuating the spring to effect a regulated movement of said member, said means comprising an inflatable sack adapted when inflated to exert pressure upon the spring tending

to displace the spring from a normal position, and a rubber bulb for inflating and deflating said sack,



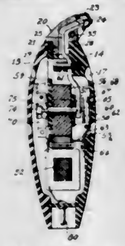
said bulb having a capacity materially in excess of the capacity of the sack.

2,077,328
BED ATTACHMENT
Hercules L. Kelly and Irwin H. Wilson, Honolulu, Territory of Hawaii
Application June 28, 1935, Serial No. 28,928
4 Claims. (Cl. 177—333)



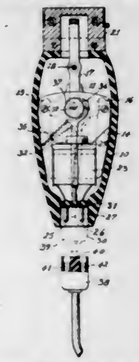
1. In a bed attachment of the class described, a supporting arm, an attaching bracket for said arm adapted to be secured to a bed post, a sleeve fitted on said arm and provided with a bulb attaching socket, said arm being tubular and formed with a cable insertion and accommodation slot and a keeper notch for an end portion said cable, said notch being joined to said slot and said sleeve being provided with a retaining finger having a laterally directed keeper terminal removably located in said keeper notch to hold the sleeve in place.

2,077,329
SHAVING DEVICE AND MOTOR THEREFOR
Raymond Knapp, Long Island City, N. Y.
Application October 20, 1936, Serial No. 106,527
12 Claims. (Cl. 30—43)



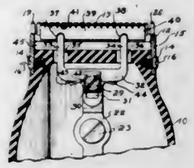
4. In a device of the character described, a casing having a cutting head secured thereto, a rectangular shear plate having a flat surface to be applied to the face and the sides of said plate being bent downwardly and outwardly from the flat surface thereof, transverse slots in said plate extending partway across the flat surface and the sides thereof, the lower portions of said sides and the end portions of said plate being rolled on themselves, a pair of end supports, means passing through the rolled portions of said plate for securing the same to said supports, and a cutter bar enclosed by said plate and adapted to cooperate therewith to cut hair.

2,077,330
STARTING DEVICE FOR ELECTRIC MOTORS
Raymond Knapp, New York, N. Y.
Application October 23, 1936, Serial No. 107,116
7 Claims. (Cl. 172—36)



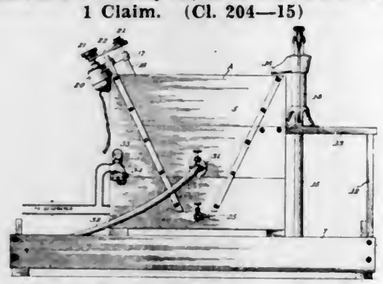
1. In combination, a motor having a winding and a rotor, rotatable means connected to said rotor, an arm adapted to engage said means, a recessed casing enclosing all said parts, means connected to said arm and extending into said recess adapted when pushed inwardly to cause said arm to engage said means to rotate said rotor thereby, and terminals connected to said winding and projecting into said recess adjacent the means connected to the arm for connection to an attachment plug from a source of current for operating said motor, whereby movement of the plug into position on the terminals pushes the arm inwardly and rotates the rotor.

2,077,331
SHAVING DEVICE
Rudolph Knopp, Brooklyn, N. Y., assignor to Raymond Knapp, New York, N. Y.
Application June 20, 1936, Serial No. 86,225
3 Claims. (Cl. 30—42)



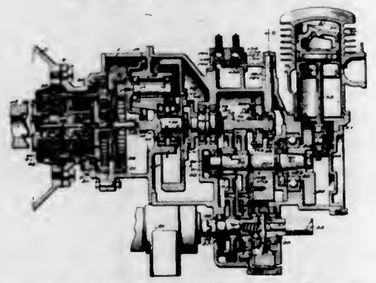
2. In a device of the character described, in combination, a body, a shear plate secured thereto, a cutter cooperative with said shear plate, a lever pivotally mounted in said body, a yoke mounted on said lever and having arms adapted to engage said cutter, resilient means separate from said yoke to urge said yoke into engagement with said cutter whereby said cutter may be pressed against said plate, and means to oscillate said lever whereby said yoke and cutter may be reciprocated.

2,077,332
PROCESS OF AND APPARATUS FOR AMALGAMATING AND SEPARATING METALS
Martin W. Kroll, Billings, Mont.
Application February 19, 1934, Serial No. 712,026
1 Claim. (Cl. 204—15)



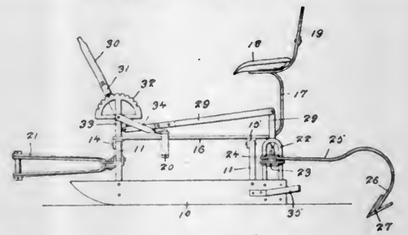
An apparatus of the kind described comprising a downwardly tapered vat closed at its lowermost smaller end and open at its top for receiving comminuted ore and a solution, bearings fixed to the side wall of said vat at the open top thereof, a rotatable shaft journaled in said bearings in close parallel relation to the side wall of said vat and having an agitator head located close to the bottom end of the vat to be deeply submerged in the solution therein for causing a continuous unrestricted down flow of the solution in the direction of the lowermost end of said vat and a circulation in an upward direction at the side of the vat remote from said head, a tray beneath the vat and having a vertical partition dividing it into independent compartments, a screen associated with the partition at the upper edge of the latter, a pump operating in one of the compartments for transferring substance therefrom into the vat, a mercurial pocket formed at the lowermost end of the vat and containing mercury, a drain from said pocket, an anode fixed to the side of the vat interiorly thereof and removed from the level of the mercury in the pocket, and a lead from the vat to the other compartment and positive and negative current leads to a direct current supply from said mercury and said anode.

2,077,333
ENGINE STARTING MECHANISM
Raymond P. Lansing, Montclair, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application January 30, 1930, Serial No. 424,692
Renewed September 21, 1934
19 Claims. (Cl. 123—179)



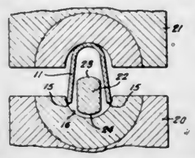
1. Inertia starting mechanism for internal combustion engines comprising an engine engaging member, an inertia element adapted for high speed rotation to store energy therein for cranking said engine, means including reduction gearing and a yieldable driving connection for drivably connecting said inertia element and said engine engaging member, an internal combustion engine for accelerating said inertia element, and means concurrently stopping said accelerating engine and shifting said driving member to cranking position.

2,077,334
CULTIVATOR
Henry T. Lebow, Flomot, Tex.
Application April 22, 1936, Serial No. 75,799
2 Claims. (Cl. 97—140)



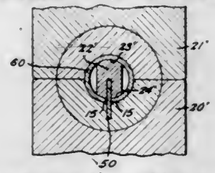
1. An implement of the character described comprising pairs of spaced parallel runners, uprights rising from said runners, cross pieces carried by the uprights, bearings rising from the outermost of the pairs of runners, a hollow draw bar of squared formation in cross section rotatably journaled in said bearings, ground working elements carried by said draw bar, means supported by one of the cross pieces and connected with the draw bar for rotating the same and locking it in adjusted position, means for adjustably connecting the uprights with the cross pieces, guards extending laterally from the inner and outer runners of said pairs at the rear ends thereof, and extensions adjustably engaged in opposite ends of the said draw bar.

2,077,335
APPARATUS FOR MAKING CIRCULAR BUSHINGS
John C. Lemming, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 25, 1931, Serial No. 577,246
5 Claims. (Cl. 153—49)



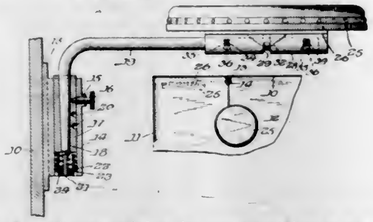
1. Apparatus for making a circular bushing from a U-form metal blank comprising: two relatively reciprocating dies have coacting forming cavities which engage and compress said U-form blank therebetween and force same to buckle outwardly into circular form, and a flattened floating arbor positioned between said coacting cavities and having such cross section dimensions that said U-form blank may be passed thereabout prior to its being formed into circular shape, said floating arbor having surfaces which engage portions of the inside surface of the bushing as said dies form it into circular shape and thereby aid the circular forming therefor.

2,077,336
APPARATUS FOR FORMING CIRCULAR BUSHINGS
John C. Lemming, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 7, 1935, Serial No. 588
5 Claims. (Cl. 153—49)



1. In an apparatus for making a circular bushing from a U-form metal blank, in combination, two relatively reciprocating dies having coacting concave semi-cylindrical forming cavities which engage and compress said U-form blank therebetween and force same to buckle outwardly into substantially circular form, and a longitudinal key projecting into the forming die cavity and rigidly fixed to one of said dies and forming an immovable abutment for the opposed edges of said U-form blank during the forming operation.

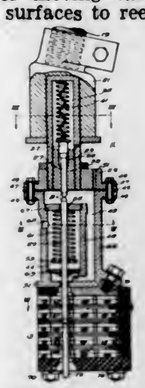
2,077,337
SEAT CONSTRUCTION
Axel F. Lifvendahl and Carl J. Johnson, Chicago, Ill.
Application February 8, 1935, Serial No. 5,530
8 Claims. (Cl. 155—81)



1. A seat comprising in combination a supporting bracket, a sleeve having a tapered bore mounted in said bracket, means for preventing rotation of said sleeve, an arm having a tapered end rotatably mounted in said sleeve, a spring on said arm in abutting engagement with the lower end of said sleeve, spring retaining means on the end of said arm, whereby said tapered end of the arm is held frictionally in said sleeve, and a seat member rotatably mounted on said arm.

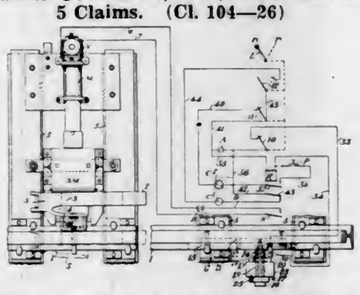
2,077,338
CIRCUIT INTERRUPTER
Harry J. Lingal and Winthrop M. Leeds, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 12, 1934, Serial No. 743,696
20 Claims. (Cl. 200—150)

1. In a circuit interrupter, contact means having two pairs of separable contact surfaces, actuating means for said interrupter, means whereby one of said pairs of contact surfaces is caused to separate prior to the other of said pairs of contact surfaces during the circuit interrupting operation, and means operable by the heated arc products resulting from the separation of said first pair of contact surfaces for separating the other of said pairs of contact surfaces and for moving said first-mentioned pair of contact surfaces to reengage each other



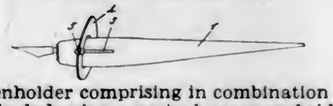
so as to extinguish the arc which is initially formed therebetween, and said first pair of contact surfaces remaining in engagement when the circuit interrupter is in full open position.

2,077,339
APPARATUS FOR CONTROLLING RAILWAY TRACK SKATES
John W. Livingston, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 14, 1933, Serial No. 693,615
5 Claims. (Cl. 104—26)



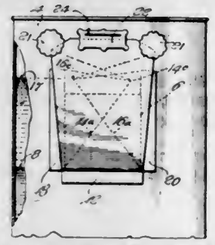
1. In combination, a contact, means controlled by a car traversing a track rail for closing said contact if the speed of the car exceeds a predetermined speed, means effective when said contact becomes closed for maintaining said contact closed until said contact is manually opened, and means effective when said contact becomes closed for automatically placing a track skate on said track rail.

2,077,340
PENHOLDER WITH INK-GUARD
Luigi Longo, Rome, Italy
Application November 19, 1934, Serial No. 753,713. Renewed November 10, 1936. In Germany November 24, 1933
3 Claims. (Cl. 120—104)



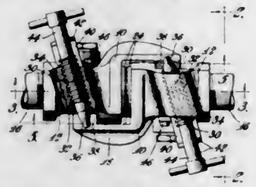
1. Penholder comprising in combination a penholder body having a central recess and side slots, an ink-guard slidable upon said body, a spring within the recess to maintain the ink-guard normally in forward position and a pivoted axle associated with the ink-guard to engage said slots whereby to limit the forward movement of the guard, and also enable it to assume inclined positions relatively to the axis of the penholder.

2,077,341
LIQUID CONTAINER
Wallace H. Martin and Robert V. H. Salisbury, North Tarrytown, N. Y.
Application March 6, 1935, Serial No. 9,674
6 Claims. (Cl. 229—7)



1. A container for liquids, provided with an opening in one side; and foldable spout-forming means sealed to the container, part way round said opening, said spout-forming means including trough-forming foldable wings for confining the liquid in the dispensing spout and for preventing leakage around the edge of the opening, the apices or low points of the wings, when folded, being at least as high as the upper edge of said opening.

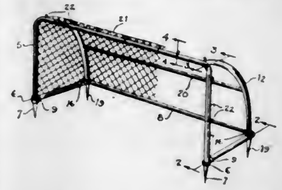
2,077,342
COUPLER LOCK
August B. Masalsky, Chicago, Ill.
Application February 11, 1935, Serial No. 6,080
1 Claim. (Cl. 285—68)



The combination of a pair of coupler heads each having an abutment, a locking arm carried by each coupler head and having a companion abutment arranged to engage the abutment on the other coupler head for holding the two heads in operative assembly, a screw connected with each coupler head and co-operating with the locking arm of the other head for holding the companion abutment on the locking arm in engagement with its associated abutment, each screw having a reduced reach, and a member carried by each head and co-operating with the reduced reach of its associated screw for limiting the axial movement of the screw.

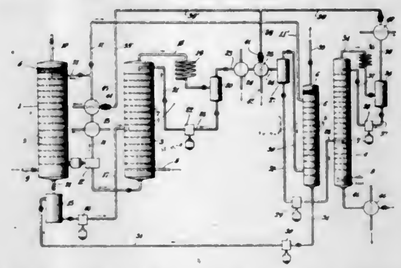
2,077,343
GOAL
Stanley Oakes and Joseph Oakes, Waseca, Saskatchewan, Canada
Original application March 7, 1933, Serial No. 660,562. Divided and this application November 5, 1935, Serial No. 48,413
4 Claims. (Cl. 273—1)

1. A goal comprising a U-shaped front frame bar; spiked sockets threaded on the ends of the legs thereof; a horizontal U-shaped frame bar extended rearwardly; a pair of arcuate end frame members from the upper corners of said front



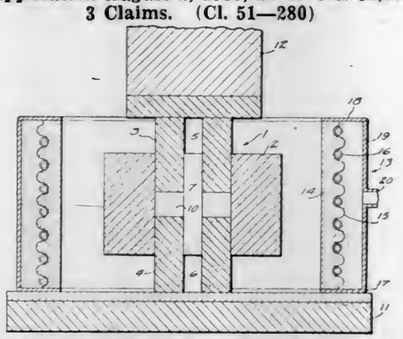
frame bar to the rear corners of said horizontal frame bar and means for connecting said arcuate end members and horizontal frame member to said front frame member.

2,077,344
PROCESS FOR THE RECOVERY OF HYDROCARBONS
Joseph K. Roberts, Hammond, Ind., and Percy C. Keith, Jr., Bernardsville, N. J., assignors, by direct and mesne assignments, of one-half to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware, and one-half to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 16, 1934, Serial No. 753,290
6 Claims. (Cl. 196—11)



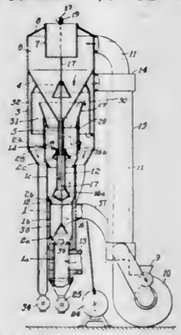
1. A process for recovering valuable hydrocarbons from a gas mixture containing substantially non-condensible gases, which comprises treating said gas mixture with an absorbing oil whereby substantially all the desired hydrocarbons are removed from said mixture together with some undesired hydrocarbon gases, vaporizing and stripping said hydrocarbons from said absorbing oil, cooling the resulting hydrocarbon vapors to a temperature somewhat above the normal temperature in an initial cooling stage, further cooling said vapors to a temperature below the normal temperature by indirect contact with expanding gases in a final cooling stage, whereby the majority of said desired hydrocarbons are condensed as a liquid, separating the condensed fraction from the uncondensed vapors and uncondensible hydrocarbon gases, forcing said condensed hydrocarbon fraction into a fractionating zone maintained at higher pressure, fractionating said condensed hydrocarbon fraction to produce a desired liquid fraction free from uncondensible gases and an overhead fraction comprised of uncondensible gases and undesired low boiling liquid hydrocarbons, expanding said overhead liquid fraction in said final cooling stage to provide refrigeration necessary for condensing the desired hydrocarbons from the said gas mixture.

2,077,345
ABRASIVE WHEEL
Edward Van der Pyl, Holden, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application August 2, 1935, Serial No. 34,407
3 Claims. (Cl. 51—280)



1. An abrasive body comprising diamond grain united with a bond comprising aluminum in the neighborhood of 40 parts and silicon in the neighborhood of 60 parts, the aluminum and the silicon being sintered together and not completely alloyed.

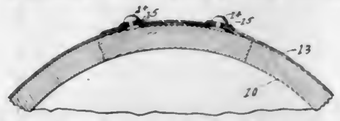
2,077,346
METHOD AND APPARATUS FOR DRYING MATERIAL
John B. Voskamp, Pittsburgh, Pa.
Application June 29, 1934, Serial No. 733,025
18 Claims. (Cl. 34—34)



1. The method of drying materials which consists in the passing of a current of gases of relatively high temperature through a series of connected chambers of progressively increased diameters, introducing granulated material into an intermediate chamber where the velocity of the current is sufficient to hold the lighter particles of the material in suspension therein while permitting the heavier particles to settle into a lower and smaller diametered chamber, progressively increasing the velocities of the gases in each of such chambers to move the heavier material therein into the super-adjacent chamber, and then withdrawing the dried material from the largest of said chambers.

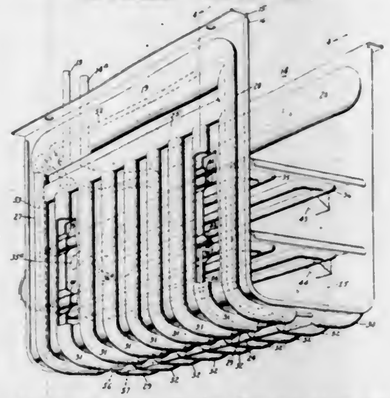
2,077,347
BARREL HOOP
Robert W. Barbee, Memphis, Tenn.
Application March 22, 1935, Serial No. 12,374
4 Claims. (Cl. 217—91)

1. The combination of a container with a highly finished smooth surface, and preformed metallic hoops encircling said body, each hoop having overlapping end portions each provided with registering holes, and a rivet in each of



such pairs of registering holes, one head of each rivet being countersunk into the container-engaging surface of the hoop to such an extent that it does not protrude beyond said surface.

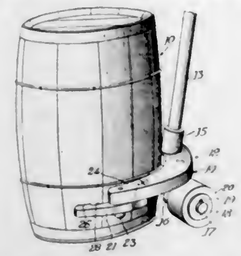
2,077,348
REFRIGERATING MACHINE
Donald H. Gaston, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 3, 1934, Serial No. 751,355
18 Claims. (Cl. 62—126)



7. An evaporator of the flooded type for refrigerating machines comprising complementary sheet metal portions forming a vertical wall, means joining said sheet metal portions together, said sheet metal portions having an extended refrigerant passage extending therebetween, a shelf secured to said vertical wall said shelf being provided with a refrigerant passage, and a refrigerant supply conduit entering said evaporator adjacent the top of said vertical wall extending downwardly between said sheet metal portions and discharging into said last mentioned refrigerant passage for supplying liquid refrigerant thereto.

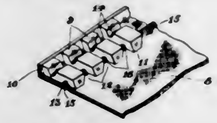
2,077,349
CONTAINER PICK-UP TRUCK
William T. Hobbis, Danville, Ill., assignor, by mesne assignments, to Wash Company, Chicago, Ill., a corporation of Illinois
Application January 22, 1936, Serial No. 60,167
2 Claims. (Cl. 280—53)

1. A truck for lifting and transporting containers comprising a pair of wheels, a pair of arms tiltably supported thereby and spaced apart for accommodating the lower portion of a container therebetween, a handle operatively secured to said arms for tilting the same and moving the truck, a pair of self-adjusting container engaging and supporting members pivotally secured intermediate the ends thereof in overlapping relation to the forward portions of corresponding surfaces of said arms and having arcuate container engaging faces and coacting means provided in the overlapping portions of said mem-



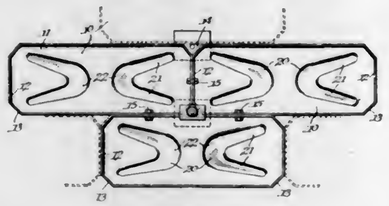
bers and arms for limiting the pivotal movement of said members with respect to said arms.

2,077,350
MULTIPLE INTERLOCKING FASTENER
Gideon Sundback, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application December 7, 1935, Serial No. 53,352
8 Claims. (Cl. 24—205)



1. A fastener of the class described comprising a pair of flexible tapes and fastener elements of rigid material secured to each of said tapes in uniformly spaced relation, the fastener elements on one tape being adapted to enter between the fastener elements on the opposite tape, and flexible means between the elements of one tape adapted to interlock with the rigid elements on the opposite tape to resist a lateral pull on the fastener.

2,077,351
TUNNEL LINER
Arthur E. Wilkoff, Youngstown, Ohio, assignor to Youngstown Steel Car Corporation, a corporation of Ohio
Original application December 2, 1933, Serial No. 700,711. Divided and this application May 23, 1934, Serial No. 727,191. Renewed March 10, 1937
3 Claims. (Cl. 61—45)



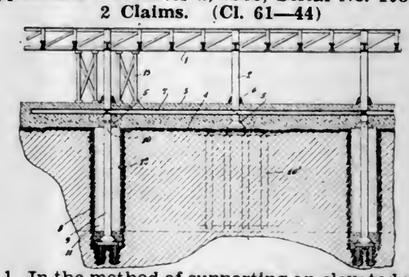
1. A cold pressed metal tunnel liner plate of uniform thickness having slightly relieved corners, comprising a skin plate and upstanding continuous side and end flanges, and reinforcing means for the body of the skin plate having rib portions extending longitudinally and transversely thereof.

2,077,352
METHOD OF MAKING NUT BUTTONS
Warren C. Anderson, Belmont, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Original application November 5, 1934, Serial No. 751,501. Divided and this application June 15, 1935, Serial No. 26,849
2 Claims. (Cl. 79—1)



1. The method of making buttons and the like from natural vegetable nuts having rough, coarse ridged shells which comprises sand-blasting the nuts to thoroughly clean the shell of all foreign and stain-containing matter, grinding the ridges to produce relatively broad polish-carrying surfaces, tumbling the cleaned and ground nuts to smooth the surface of the shell, and then polishing the nut to produce a polished button having the appearance of the nut from which it was made.

2,077,353
METHOD OF CONSTRUCTING A SUBWAY
Walter Caccia, White Plains, N. Y., assignor to John H. Unlandherm, New York, N. Y.
Application November 2, 1936, Serial No. 108,882
2 Claims. (Cl. 61—44)

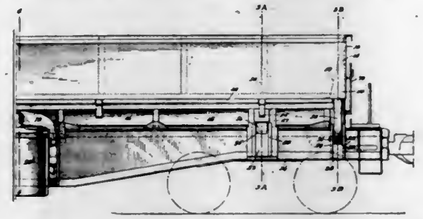


1. In the method of supporting an elevated railroad structure that is normally supported by a plurality of columns arranged longitudinally on each side thereof and above rock that is to be removed, the steps of placing a temporary support beneath the elevated structure to support the load of the same, creating pits in the rock beneath certain of the columns which pits extend to points adjacent the lowermost level of the proposed rock removal, placing column extensions of less lateral dimensions than those of the pits within said pits with their footings supported adjacent the lower ends of the pits whereby the extensions are free of the surrounding rock, transferring the load of the elevated structure to said extensions, and extending associated beams between the columns by which a street decking and service mains may be supported.

2,077,354
DUMP CAR
Roy E. Cartzdafner, Passaic, N. J.; Passaic National Bank and Trust Company, executor of said Roy E. Cartzdafner, deceased, assignor to Magor Car Corporation, New York, N. Y., a corporation of Delaware
Application September 9, 1932, Serial No. 632,348
39 Claims. (Cl. 105—273)

36. In a dump vehicle, a frame, a dump body tiltable for dumping to either side about ful-

crums at opposite sides of the frame, side doors for said dump body pivoted thereto adjacent the lower edges of the doors, fingers on said doors depending below the door pivots, means on the frame to engage said fingers and constituting the sole means to hold both of the doors closed during normal transport, and means on said dump body engaging the doors above the door pivots



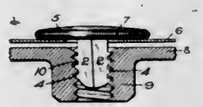
to hold the respective doors closed on the elevated side during tilting towards the opposite side and said door holding means on the elevated side being functionally operative only when the finger on the elevating side leaves its associated means on the frame and when the door holding means on the depressing side is in an inoperative unlocking position.

2,077,355

PLUG BUTTON

Raymond O. Chaffee, Belmont, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application December 12, 1933, Serial No. 702,002
2 Claims. (Cl. 85—5)



2. A button of the class described having a base, a cap secured to said base, a pair of arms extending from said base and movable toward and away from each other edgewise, teeth formed on the outermost edge of each arm, said teeth on one arm being staggered relative to the teeth on the other arm for engagement with a device having a conventionally threaded hole, said teeth being beveled on their forward edges to permit ready insertion of said button in said threaded hole by a direct axial push, and said teeth having relatively abrupt shoulders on their rear edges to prevent removal of said button except by rotating action.

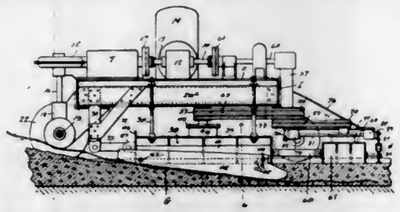
2,077,356

METHOD OF AND APPARATUS FOR LAYING REENFORCED CONCRETE

William P. Day, Cleveland, Ohio, assignor to International Vibration Company, Cleveland, Ohio, a corporation of Delaware

Application November 21, 1934, Serial No. 754,108
7 Claims. (Cl. 94—39)

1. An apparatus for applying reenforced concrete to a roadbed and for vibrating the same comprising a vehicle adapted to be moved along the roadbed, a vibratory unit carried by said vehicle and extending entirely across the roadbed and including a plurality of plates, means for applying rapid and violent vibrations to said plates, means for lowering said plates to a position where they will engage the reenforcement



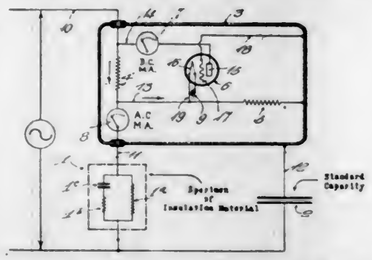
and submerge the same within the concrete as the vehicle is moved over the roadbed in a continuous operation.

2,077,357

INSULATION TESTING APPARATUS

Fred B. Doolittle, Glendale, Calif.

Application December 24, 1934, Serial No. 759,114
19 Claims. (Cl. 175—183)



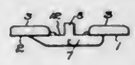
1. An apparatus for measuring the power factor of the charging current of and watts loss in insulating materials, comprising in combination with a source of alternating current of known voltage and frequency and supplying current to the insulating material under test, a capacitor of known capacity and power factor connected to receive current from said source, and means for comparing the power factor of the charging current of the insulating material with that of the known capacitor, said means consisting of impedances in series with paths containing the two aforementioned currents, a three-electrode electron tube, the voltage drops across the impedances being applied, one to the grid and cathode and the other to the plate and cathode of said electron tube, and a means for measuring the average plate current of said electron tube, said current being a function of the comparison of the power factor of the insulating material and that of the said capacitor.

2,077,358

METHOD OF MAKING FASTENER SLIDERS

Didrick Dyresen, Billerica, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application July 21, 1934, Serial No. 736,368
4 Claims. (Cl. 29—148)



1. The method of forming slider bodies of the class described having opposite spaced apart

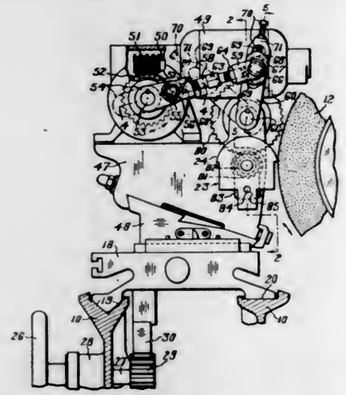
wings and means forming diverging channels comprising subjecting a strip of metal to a series of drawing operations to form a relatively narrow rib, blanking the strip to form the wings, each wing including a portion of said rib, piercing the strip at predetermined places with respect to said rib for forming the diverging channel-forming means, forming flanges on said wings, and bending the ribs between the wings until said wings lie in opposed spaced relationship.

2,077,359

GRINDING MACHINE

Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application April 8, 1936, Serial No. 73,193
5 Claims. (Cl. 51—94)



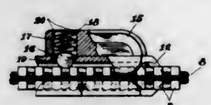
1. A grinding machine comprising a transversely movable rotatable grinding wheel, means to feed the wheel transversely to produce a grinding feed, a longitudinally movable work supporting table, means to traverse said table longitudinally, means to rotatably support a work piece on said table, a work driving mechanism arranged to oscillate the work continuously through a partial rotation to grind a partial cylindrical surface on the work piece, means to vary the position of oscillation of the work support relative to the work piece, and means to adjust the extent of oscillation thereof.

2,077,360

SEPARABLE FASTENER

William L. Gilmore, Meadville, Pa., assignor to Hookless Fastener Company, a corporation of Pennsylvania

Application February 3, 1932, Serial No. 590,694
7 Claims. (Cl. 24—205)



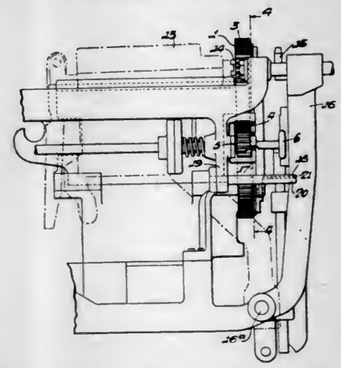
5. In a slide fastener, a pair of fastener stringers, cooperating rows of interlocking elements on said stringers, a channeled slider mounted on said fastener elements, a pull tab hinged to said slider, a check piece carried by the slider in contact with the fastener elements, and means for holding said check piece at all times in contact with said fastener elements independently of the operation of the pull tab.

2,077,361

MOLD DISK SUPPORT FOR TYPOGRAPHICAL MACHINES

Edmund M. Goodbody, Bellrose, Long Island, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application August 17, 1936, Serial No. 96,542
8 Claims. (Cl. 199—48)



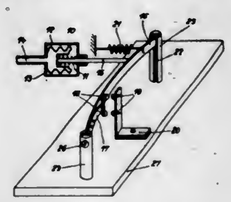
1. In a slug casting machine having a frame, casting means thereon, a mold disk, and a slide mounted to support the mold disk in cooperative relation with said casting means and extensible for withdrawal of the mold disk from the casting means, auxiliary means on said frame for supporting said slide while extended.

2,077,362

ELECTRICAL SWITCH OF THE SNAP SPRING TYPE

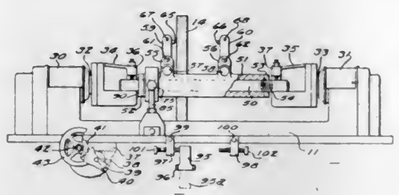
Ludwig Holm, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany

Application December 13, 1934, Serial No. 757,407
In Germany December 20, 1933
3 Claims. (Cl. 200—67)



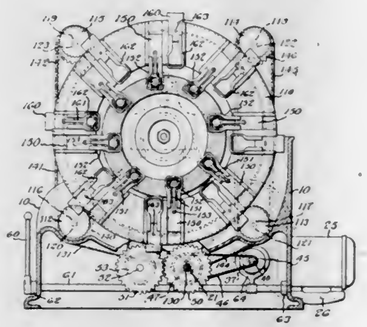
1. In a switch of the snap spring type, a snap spring, supports for said spring, operating means by the movement of which the spring quickly snaps over from one position to the reverse position and vice versa, at least one of said supports being adjustable by rotation about an axis to vary the loading of the spring, said axis being normal to the plane of movement of the spring on snapping, and a friction bearing for said rotatable support to secure by friction said support in every adjusted position.

2,077,363
GRINDING WHEEL TRUING APPARATUS
George E. Hulbert, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application August 7, 1935, Serial No. 35,121
7 Claims. (Cl. 125—11)



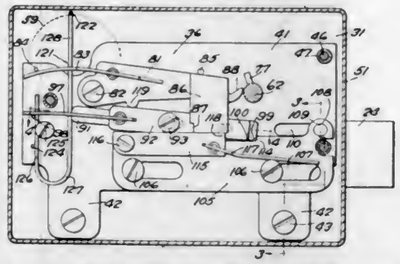
1. A grinding machine having a transversely movable rotatable grinding wheel, a longitudinally movable work table, means to traverse said table longitudinally, a rotatable work support thereon, and a truing apparatus therefor comprising a supporting member arranged to be held by said work support, a sleeve rotatably mounted on said member, a truing tool carried by said sleeve, means including a stop and dog mechanism to position said table to locate the truing tool in a predetermined position relative to the side face of the grinding wheel, and means to rock said sleeve to pass the truing tool in an arcuate path across the side face of the grinding wheel to true the same.

2,077,364
LAPPING MACHINE
Herbert S. Indge and George E. Hulbert, Westboro, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 9, 1936, Serial No. 73,547
12 Claims. (Cl. 51—118)



1. A lapping machine comprising a pair of opposed relatively rotatable lapping wheels, means to relatively rotate said lapping wheels, a work carrying cage arranged to simultaneously support a plurality of work pieces in operative relation with said lapping wheels, means to rotate and gyrate said cage to carry the work pieces through an irregular path between said wheels, and means to simultaneously move said wheels towards or from each other.

2,077,365
SAFETY INTERVAL LOCK MECHANISM
Paul S. Millice, Hamilton, Ohio, assignor to Herring-Hall-Marvin Safe Company, New York, N. Y., a corporation of New York
Application March 26, 1936, Serial No. 70,987
19 Claims. (Cl. 70—269)

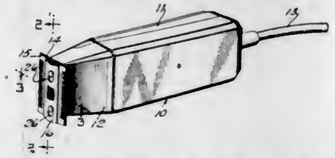


1. In combination, a locking part movable in release direction and in locking direction, a clock mechanism, and control means operatively disposed between said locking part and said clock mechanism comprising a movable part having operative connection with said locking part so as to be moved in consonance therewith, a clock control part actuated upon partial movement in release direction of said locking part for initiation of operation of said clock mechanism, a detent for said movable part actuated by said clock mechanism for release of said movable part whereby to permit release by said locking part, and a detent for said movable part for latching it against movement in locking direction.

2,077,366
ABRASIVE BODY AND METHOD OF MAKING THE SAME
Lowell H. Milligan, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application August 3, 1935, Serial No. 34,633
8 Claims. (Cl. 51—280)

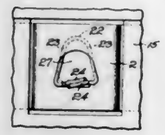
5. The method of making an abrasive body of hard granular material bonded with a metallic bond which comprises selecting a hard abrasive, providing a quantity thereof in abrasive particle size, selecting a metal alloy which, when molten, has the same specific gravity within close limits as that of the abrasive material selected, melting the alloy, and bringing together a quantity of the abrasive and a quantity of the alloy and thereafter cooling.

2,077,367
SHAVING DEVICE
John A. Hanley, Stamford, Conn., assignor, by mesne assignments, to Clipshave, Inc., a corporation of New York
Application August 11, 1934, Serial No. 739,432
10 Claims. (Cl. 30—43)



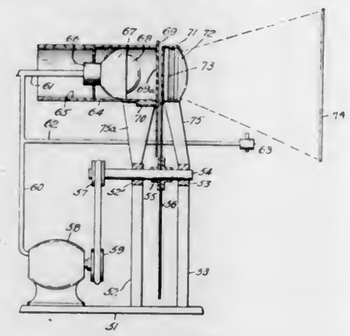
1. A hair cutter including a pair of superimposed thin cutter plates, each having shearing devices at one edge, one plate having edge portions curved outwardly around the thickness of the shearing devices of the other plate to guard the skin against injurious contact with the shearing devices and to effect depression of the skin in advance of the cutting operation.

2,077,368
SNAP FASTENER MEMBER
Walter I. Jones, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Original application May 9, 1933, Serial No. 670,135. Divided and this application January 10, 1934, Serial No. 706,096
2 Claims. (Cl. 24—213)



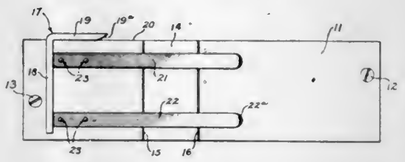
1. In combination with a snap fastener member, an attaching member of the class described comprising a piece of material bent into a loop having two opposite faces parallel, the portions forming the closure of said loop being in abutting relationship, the ends of said loop being bent in opposite directions from said closure along one of said parallel sides thereby providing a double thickness at one face of said attaching member, said ends extending beyond the limits of said loop and having attaching prongs at the ends thereof, and said attaching member having means for holding said snap fastener member.

2,077,369
PROJECTING GAME APPARATUS
William S. Karp, New York, N. Y.
Application February 25, 1936, Serial No. 65,572
2 Claims. (Cl. 88—27)



1. A game apparatus comprising a housing, an axle mounted in said housing, a disk mounted on said axle for rotation, said disk provided with a series of concentric play areas, each play area containing various play values, a light chamber within said housing, a light source within said chamber, optical means for illuminating an area containing a play value on the disk and projecting an image of said play value, means for manually changing the illuminated area from one play area to another.

2,077,370
BOW FORMING APPARATUS
Ralph K. Reynolds, Danbury, Conn., assignor to The Mallory Hat Company, Danbury, Conn., a corporation of Connecticut
Application July 18, 1933, Serial No. 680,936
15 Claims. (Cl. 223—46)

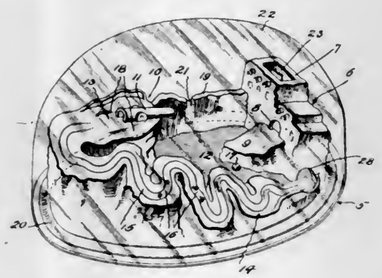


1. In bow forming apparatus, in combination, a support having a flat top surface, means rising above said top surface and forming a squared abutment near one end of said support, and spring means adapted to hold a piece of ribbon flat on said top surface, said support having a channel formed in said top surface extending crosswise thereof and intermediate the ends of said spring means.

2,077,371
SYNTHETIC DRYING OIL BODIES
Alfred E. Rheineck and Benjamin Rabin, Louisville, Ky., and James S. Long, Coopersburg, Pa., assignors to Devoe & Raynolds Co., Inc., a corporation of New York
No Drawing. Application January 21, 1935 Serial No. 2,752
13 Claims. (Cl. 260—99.40)

1. The process of producing film-forming compounds which comprises causing an organic base having a plurality of hydroxyl groups to combine with acid radicals of a conjugated drying oil acid and of a non-conjugated poly-unsaturated drying oil acid.

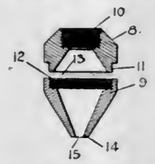
2,077,372
TOY PUZZLE
Frank W. Thomas, St. Joseph, Mich., assignor to Julius N. Cayo, Benton Harbor, Mich.
Substitute of application Serial No. 665,803, April 12, 1933. This application May 15, 1936, Serial No. 80,014
5 Claims. (Cl. 273—113)



3. A toy puzzle comprising, in similitude, a mountain fort having an entrance, a mountain summit spaced from said fort, a cannon on said summit through which a ball may be gravity-projected into said entrance, a plateau on said

summit upon which the ball may roll into said cannon, and a ball-guiding mountain road leading to said plateau.

2,077,373
PRODUCTION OF ARTIFICIAL FIBERS
Anton Formhals, Mainz, Germany, assignor of forty-five one-hundredths to Richard Schreiber-Gastell, Mainz, Germany
Application August 15, 1936, Serial No. 96,226
In Germany November 30, 1934
5 Claims. (Cl. 18—8)



1. In a nozzle for the electrical spinning of artificial fibers, a face plate, a single outlet opening in said plate, the diameter in said opening being greater than the length thereof, said nozzle having such an external outline that any electrical charge imparted thereto will be concentrated at said plate.

2,077,374
CONCRETE MIXTURE AND METHOD OF MAKING THE SAME
Anton Grossinger, Milwaukee, Wis.
No Drawing. Application December 11, 1930, Serial No. 501,660
4 Claims. (Cl. 106—24)

1. A concrete mixture for making porous and air-penetrable bodies comprising an aggregate of small particles of dustless coal cinders, cement and a water resisting coating binder consisting of burnt powdered dolomite limestone having an analysis of

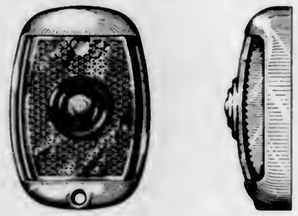
	Per cent
Silica	27
Iron and aluminum oxides	1.30
Magnesium carbonate	32
Calcium carbonate	39.70

and to which has been added 12% of wood-ash before burning.

DESIGNS

APRIL 13, 1937

104,009
DESIGN FOR A COMBINED LAMP DOOR AND LENS
Jules Agramonte, Birmingham, Harry A. Shaw, Royal Oak, and Edmund Anderson, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 30, 1937, Serial No. 67,366
Term of patent 7 years



The ornamental design for a combined lamp door and lens as shown.

104,010
DESIGN FOR A SHOE ORNAMENT
Louis Alterson, New York, N. Y.
Application February 23, 1937, Serial No. 67,792
Term of patent 3½ years





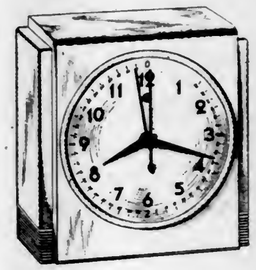
The ornamental design for a shoe ornament substantially as shown.

104,011
DESIGN FOR A CLOCK CASE
Jacques M. Bars, New York, N. Y., assignor to Warren Telechron Company, a corporation of Maine
Application February 25, 1937, Serial No. 67,832
Term of patent 14 years



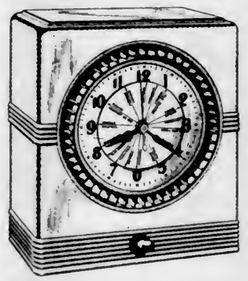
The ornamental design for a clock case as shown.

104,012
DESIGN FOR A CLOCK CASE
Jacques M. Bars, New York, N. Y., assignor to Warren Telechron Company, a corporation of Maine
Application February 25, 1937, Serial No. 67,833
Term of patent 14 years



The ornamental design for a clock case as shown.

104,013
DESIGN FOR A TIMER CASE
Jacques M. Bars, New York, N. Y., assignor to General Electric Company, a corporation of New York
Application February 25, 1937, Serial No. 67,834
Term of patent 14 years



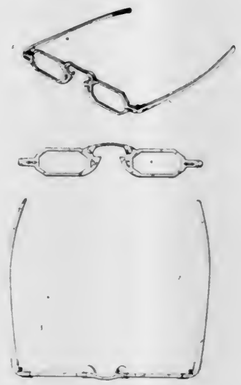
The ornamental design for a timer case as shown.

104,014
DESIGN FOR A SPECTACLE FRAME
Walter A. Blocker, Larchmont, N. Y.
Application November 6, 1936, Serial No. 65,723
Term of patent 14 years



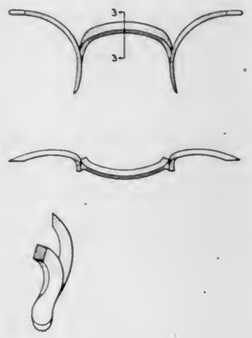
The ornamental design for a spectacle frame substantially as shown and described.

104,015
DESIGN FOR A SPECTACLE FRAME
Walter A. Blocker, Larchmont, N. Y.
Application December 31, 1936, Serial No. 66,831
Term of patent 14 years



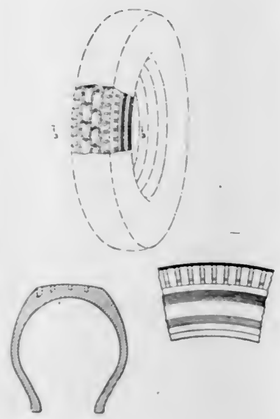
The ornamental design for a spectacle frame substantially as shown and described.

104,016
DESIGN FOR A COMBINED BRIDGE AND BRACE FOR AN OPHTHALMIC MOUNTING
Samuel E. Bouchard, Rochester, N. Y.
Application December 11, 1936, Serial No. 66,490
Term of patent 14 years



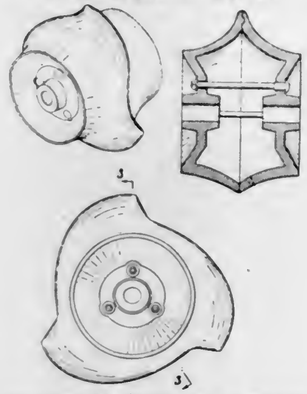
The ornamental design for a combined bridge and brace for an ophthalmic mounting substantially as shown.

104,017
DESIGN FOR A TIRE
Lloyd L. Clayton, New York, N. Y.
Application December 4, 1936, Serial No. 66,311
Term of patent 7 years



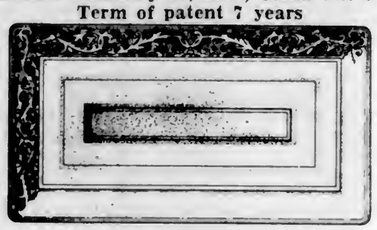
The ornamental design for a tire as shown.

104,018
DESIGN FOR A FURROW OPENER
Eugene M. Cole, Charlotte, N. C.
Application January 30, 1937, Serial No. 67,357
Term of patent 14 years



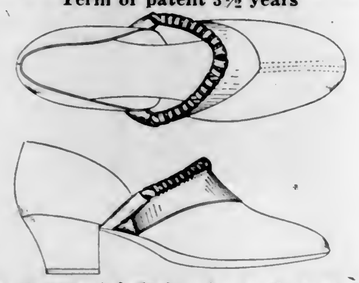
The ornamental design for a furrow opener, as shown.

104,019
DESIGN FOR A BOX COVER
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application February 12, 1937, Serial No. 67,620
Term of patent 7 years



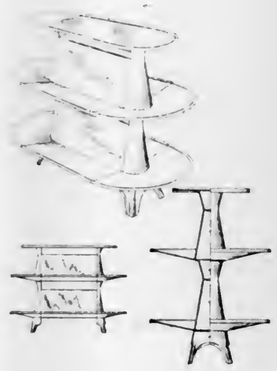
The ornamental design for a box cover substantially as shown and described.

104,020
DESIGN FOR A SHOE
Hyman M. Edelstein, Brooklyn, N. Y.
Application August 1, 1936, Serial No. 64,190
Term of patent 3½ years



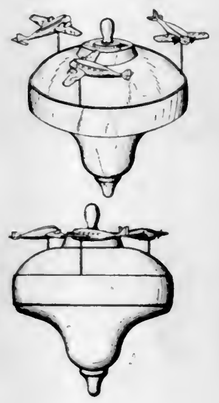
The ornamental design for a shoe as shown and described.

104,021
DESIGN FOR A RACK FOR BREAD OR SIMILAR ARTICLE
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa, a corporation of Iowa
Application February 18, 1937, Serial No. 67,725
Term of patent 7 years



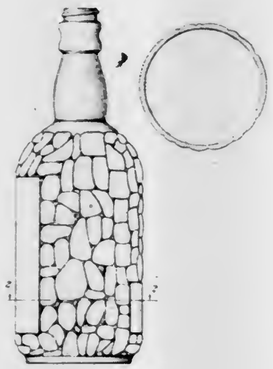
The ornamental design for a rack for bread or similar article substantially as shown and described.

104,022
DESIGN FOR A TOY TOP
Elmer Ainslie Ford, Union City, Pa., assignor of one-half to Archworth Martin, Pittsburgh, Pa.
Application February 9, 1937, Serial No. 67,524
Term of patent 7 years



The ornamental design for a toy top, as shown.

104,023
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Harry S. Frankenstein, Chicago, Ill.
Application March 4, 1937, Serial No. 67,998
Term of patent 7 years



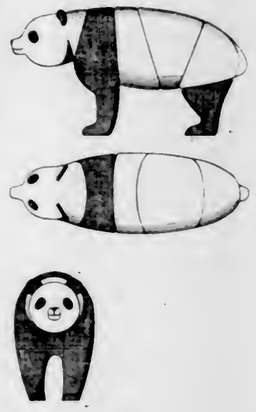
The ornamental design for a bottle or similar article, substantially as shown and described.

104,024
DESIGN FOR A TOY ANIMAL
Frederick R. Frederick and Adolph Arthur Frederick, Crestwood, N. Y., assignors to Ruth M. Harkness, New York, N. Y.
Application February 2, 1937, Serial No. 67,406
Term of patent 14 years



The ornamental design for a toy animal, substantially as shown.

104,025
DESIGN FOR A TOY ANIMAL
Frederick R. Frederick and Adolph Arthur Frederick, Crestwood, N. Y., assignors to Ruth M. Harkness, New York, N. Y.
Application February 2, 1937, Serial No. 67,407
Term of patent 14 years



The ornamental design for a toy animal, substantially as shown.

104,026
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
John F. Gaul, Jr., Clifton, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Application December 10, 1936, Serial No. 66,419
Term of patent 14 years



The ornamental design for a textile fabric or similar article of manufacture, substantially as shown and described.

104,027
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
John F. Gaul, Jr., Clifton, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Application December 10, 1936, Serial No. 66,426
Term of patent 14 years



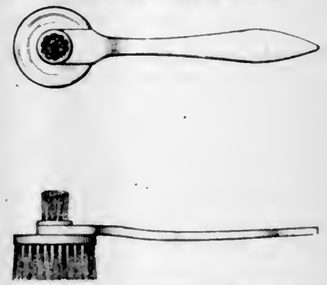
The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

104,028
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
John F. Gaul, Jr., Clifton, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Application December 10, 1936, Serial No. 66,430
Term of patent 14 years



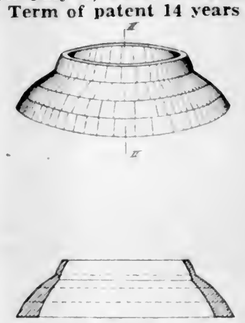
The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

104,029
DESIGN FOR A FACE BRUSH
Jacqueline Gray, Chicago, Ill.
Application September 21, 1936, Serial No. 64,939
Term of patent 14 years



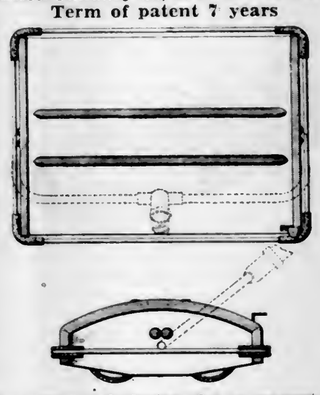
The ornamental design for a face brush substantially as shown.

104,030
DESIGN FOR A REFLECTOR
Arcadius Gunsbourg, Brussels, Belgium
Application July 7, 1936, Serial No. 63,689
Term of patent 14 years



The ornamental design for a reflector substantially as shown and described.

104,031
DESIGN FOR A CARPET SWEEPER
Henry W. Gussack, Richmond Hill, N. Y.
Application January 22, 1937, Serial No. 67,246
Term of patent 7 years



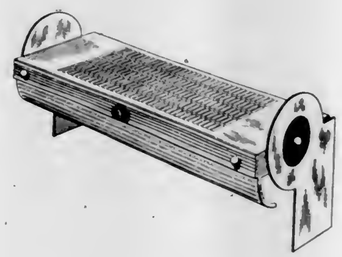
The ornamental design for a carpet sweeper substantially as shown and described.

104,032
DESIGN FOR A COMBINED LAMP PEDESTAL AND HOUSING FOR DISPENSING APPARATUS
William M. Hutchison, Indianapolis, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application June 6, 1936, Serial No. 63,066
Term of patent 3½ years



The ornamental design for a combined lamp pedestal and housing for dispensing apparatus as shown and described.

104,033
DESIGN FOR A WALL BRACKET LAMP
Edward Kanter, Cleveland Heights, Ohio, assignor to Railley Corporation, a corporation of Ohio
Application October 21, 1936, Serial No. 65,401
Term of patent 7 years



The ornamental design for a wall bracket lamp substantially as shown and described.

104,034
DESIGN FOR A WALL BRACKET LAMP
Edward Kanter, Cleveland Heights, Ohio, assignor to Railley Corporation, a corporation of Ohio
Application October 21, 1936, Serial No. 65,403
Term of patent 7 years



The ornamental design for a wall bracket lamp substantially as shown.

104,035
DESIGN FOR A WALL BRACKET LAMP
Edward Kanter, Cleveland Heights, Ohio, assignor to Railley Corporation, a corporation of Ohio
Application October 21, 1936, Serial No. 65,405
Term of patent 7 years



The ornamental design for a wall bracket lamp, substantially as shown and described.

104,036
DESIGN FOR A WALL BRACKET LAMP
Edward Kanter, Cleveland Heights, Ohio, assignor to Railley Corporation, a corporation of Ohio
Application October 21, 1936, Serial No. 65,406
Term of patent 7 years



The ornamental design for a wall bracket lamp, substantially as shown and described.

104,037
DESIGN FOR A WALL BRACKET LAMP
Edward Kanter, Cleveland Heights, Ohio, assignor to Railley Corporation, a corporation of Ohio
Application October 21, 1936, Serial No. 65,407
Term of patent 7 years



The ornamental design for a wall bracket lamp, substantially as shown and described.

104,038
DESIGN FOR A BUCKLE
Samuel S. Kestin, New York, N. Y.
Application March 12, 1937, Serial No. 68,138
Term of patent 3½ years



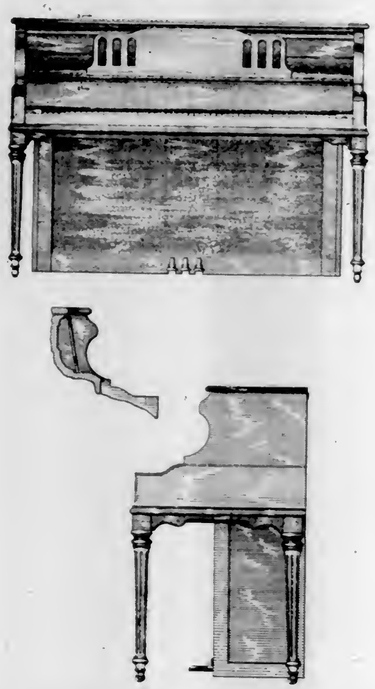
The ornamental design for a buckle, substantially as shown, and described.

104,039
DESIGN FOR A LAMP
Edwin A. Koch, River Edge, N. J.
Application January 25, 1937, Serial No. 67,270
Term of patent 3½ years



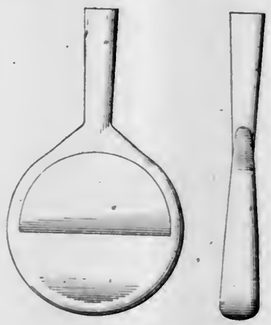
The ornamental design for a lamp as shown.

104,040
DESIGN FOR A PIANO OR SIMILAR ARTICLE
Jacob L. Krasnick, Holly, Mich., assignor to Grinnell Bros., Detroit, Mich., a corporation of Michigan
Application January 22, 1937, Serial No. 67,237
Term of patent 7 years



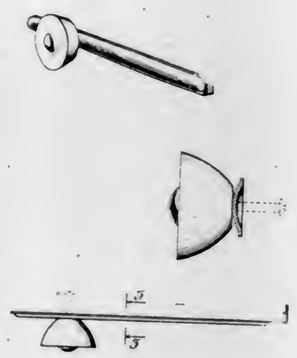
The ornamental design for a piano or similar article substantially as shown.

104,041
DESIGN FOR A GOLF PUTTER HEAD
Walter McCulla, East Falls, Pa.
Application March 16, 1936, Serial No. 61,666
Term of patent 3½ years



The ornamental design for a golf putter head as shown and described.

104,042
DESIGN FOR A DRAWER PULL
Donald A. Morand, Portland, Oreg.
Application July 6, 1936, Serial No. 63,660
Term of patent 7 years



The ornamental design for a drawer pull as shown.

104,043
DESIGN FOR A WATCHCASE
David Ornstein, New York, N. Y., assignor to Louis Watch Co. Inc., New York, N. Y
Application March 19, 1936, Serial No. 61,698
Term of patent 7 years



The ornamental design for a watchcase, as shown and described.

104,044
DESIGN FOR A WATCHCASE
David Ornstein, New York, N. Y., assignor to Louis Watch Co. Inc., New York, N. Y
Application March 19, 1936, Serial No. 61,699
Term of patent 7 years



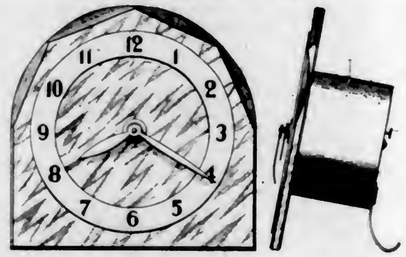
The ornamental design for a watchcase, as shown and described.

104,045
DESIGN FOR A CHAIR SEAT COVERING
John Perona and Joseph Perona, New York, N. Y.
Application December 19, 1936, Serial No. 66,663
Term of patent 7 years



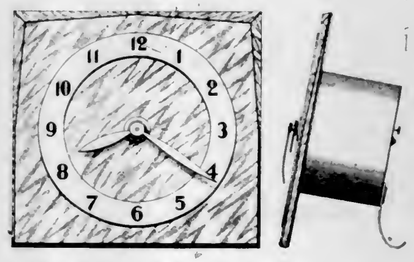
The ornamental design for chair seat covering as shown.

104,046
DESIGN FOR A CLOCK CASE
John P. Rainbault, New York, N. Y., assignor to General Electric Company, a corporation of New York
Application December 18, 1936, Serial No. 66,632
Term of patent 14 years



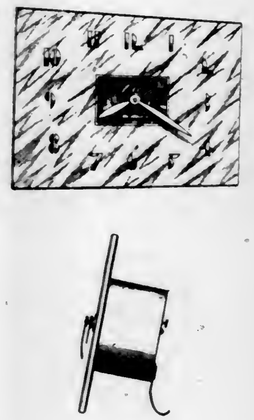
The ornamental design for a clock case as shown.

104,047
DESIGN FOR A CLOCK CASE
John P. Rainbault, New York, N. Y., assignor to General Electric Company, a corporation of New York
Application December 18, 1936, Serial No. 66,633
Term of patent 14 years



The ornamental design for a clock case as shown.

104,048
DESIGN FOR A CLOCK CASE
John P. Rainbault, New York, N. Y., assignor to General Electric Company, a corporation of New York
Application December 18, 1936, Serial No. 66,634
Term of patent 14 years



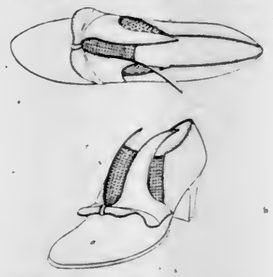
The ornamental design for a clock case as shown.

104,049
DESIGN FOR A CLOCK CASE
John P. Rainbault, New York, N. Y., assignor to General Electric Company, a corporation of New York
Application December 18, 1936, Serial No. 66,636
Term of patent 14 years



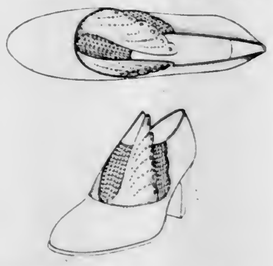
The ornamental design for a clock case as shown.

104,050
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application March 8, 1937, Serial No. 68,057
Term of patent 3½ years



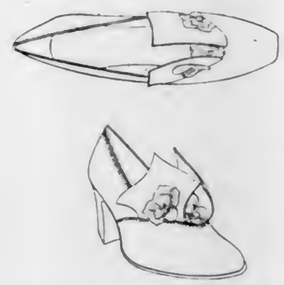
The ornamental design for a shoe or similar article, substantially as shown.

104,051
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application March 8, 1937, Serial No. 68,058
Term of patent 3½ years



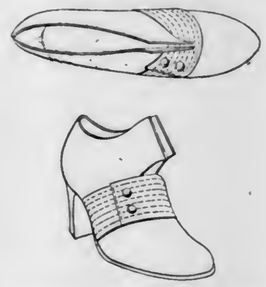
The ornamental design for a shoe or similar article, substantially as shown.

104,052
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application March 8, 1937, Serial No. 68,059
Term of patent 3½ years



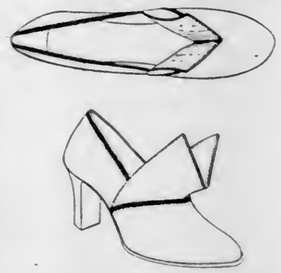
The ornamental design for a shoe or similar article, substantially as shown.

104,053
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application March 8, 1937, Serial No. 68,060
Term of patent 3½ years



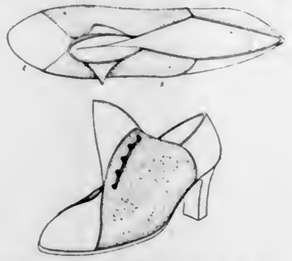
The ornamental design for a shoe or similar article, substantially as shown.

104,054
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application March 8, 1937, Serial No. 68,061
Term of patent 3½ years



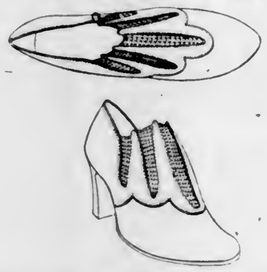
The ornamental design for a shoe or similar article, substantially as shown.

104,055
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application March 8, 1937, Serial No. 68,062
Term of patent 3½ years



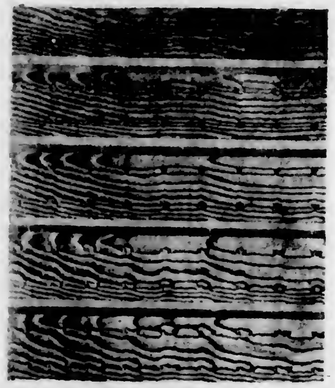
The ornamental design for a shoe or similar article, substantially as shown.

104,056
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application March 8, 1937, Serial No. 68,063
Term of patent 3½ years



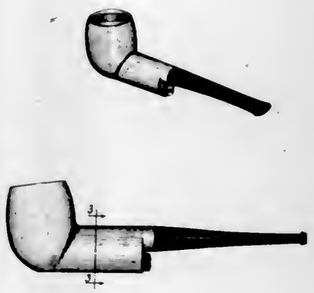
The ornamental design for a shoe or similar article, substantially as shown.

104,057
DESIGN FOR WOVEN FABRIC
William Teres, New York, N. Y.
Application February 2, 1937, Serial No. 67,401
Term of patent 3½ years



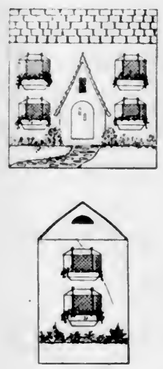
The ornamental design for woven fabric substantially as shown and described.

104,058
DESIGN FOR A TOBACCO PIPE
Michael Mason Warner, Chicago, Ill.
Application April 11, 1936, Serial No. 62,072
Term of patent 14 years



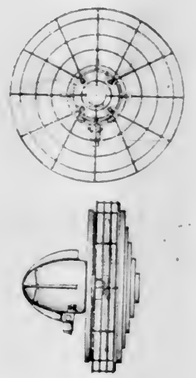
The ornamental design for a tobacco pipe substantially as shown.

104,059
DESIGN FOR A BOX OR SIMILAR CONTAINER
Duryea Bensel, New York, N. Y.
Application December 24, 1936, Serial No. 66,717
Term of patent 14 years



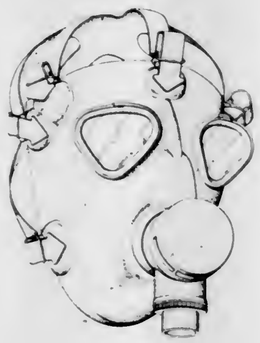
The ornamental design for a box or similar container as shown and described.

104,060
DESIGN FOR AN AIR CIRCULATOR
Robert D. Budlong, Chicago, Ill., assignor to Edgar T. Ward Company, Inc., Chicago, Ill., a corporation of Illinois
Application August 27, 1936, Serial No. 64,591
Term of patent 7 years



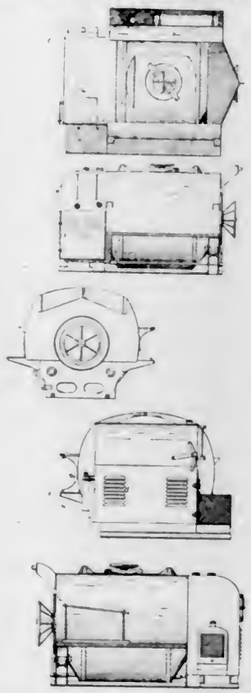
The ornamental design for an air circulator as shown.

104,061
DESIGN FOR A GAS MASK
Edward W. Bullard, San Francisco, Calif., assignor to E. D. Bullard Company, San Francisco, Calif., a corporation of California
Application July 20, 1936, Serial No. 63,952
Term of patent 14 years



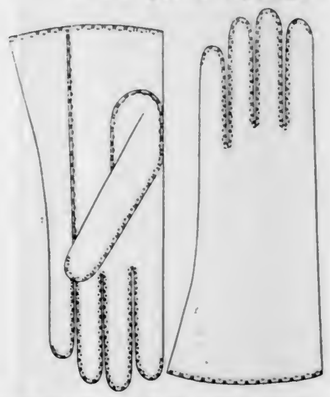
The ornamental design for a gas mask, as shown.

104,062
DESIGN FOR A CONCRETE MIXER
John P. Faber, Dunellen, N. J., assignor to Ransome Concrete Machinery Co., a corporation of New Jersey
Application January 8, 1937, Serial No. 66,964
Term of patent 14 years



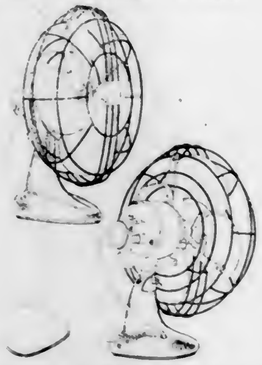
The ornamental design for a portable concrete mixer as shown.

104,063
DESIGN FOR A GLOVE
Kay Fuchs, New York, N. Y.
Application March 18, 1937, Serial No. 68,245
Term of patent 3½ years



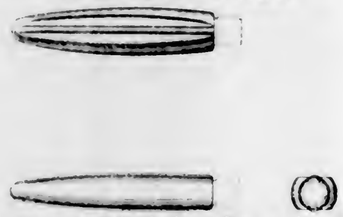
The ornamental design for a glove, substantially as shown and described.

104,064
DESIGN FOR AN ELECTRIC FAN
James L. Hamilton, Richmond Heights, Mo., assignor to Century Electric Company, St. Louis, Mo., a corporation of Missouri
Application May 6, 1936, Serial No. 62,504
Term of patent 3½ years



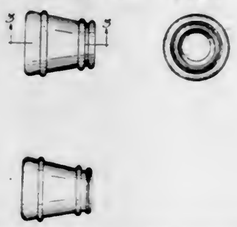
The ornamental design for an electric fan, as shown and described.

104,065
DESIGN FOR A HANDLE FOR KITCHEN UTENSILS OR SIMILAR ARTICLES
Clarence R. T. Hess, Prairie View, Ill., assignor to Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 22, 1937, Serial No. 67,222
Term of patent 14 years



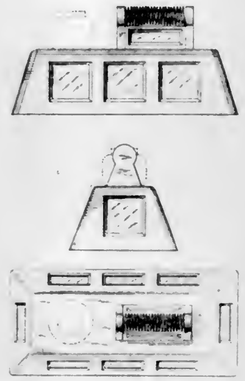
The ornamental design for a handle for kitchen utensils or similar articles, as shown.

104,066
DESIGN FOR A FERRULE FOR HOUSEHOLD UTENSIL HANDLES AND THE LIKE
Clarence R. T. Hess, Prairie View, Ill., assignor to Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 22, 1937, Serial No. 67,223
Term of patent 7 years



The ornamental design for a ferrule for household utensil handles and the like, as shown.

104,067
DESIGN FOR A DESK STAND
Byrd R. Lewis, Paducah, Tex.
Application February 15, 1937, Serial No. 67,674
Term of patent 7 years



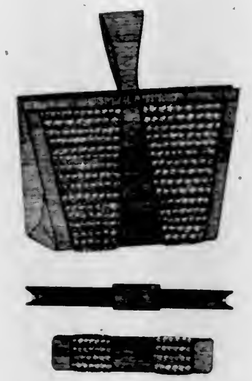
The ornamental design for a desk stand as shown.

104,068
DESIGN FOR A STRAW HANDBAG
David Lewis, New York, N. Y.
Application March 18, 1937, Serial No. 68,253
Term of patent 3½ years



The ornamental design for a straw handbag substantially as shown.

104,069
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application March 18, 1937, Serial No. 68,254
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

104,070
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application March 18, 1937, Serial No. 68,255
Term of patent 3½ years



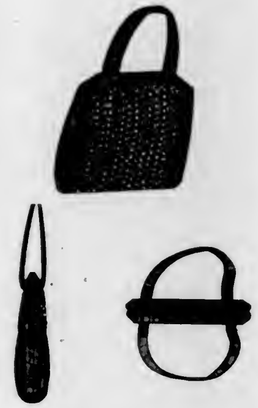
The ornamental design for a handbag, substantially as shown.

104,071
DESIGN FOR A STRAW HANDBAG
David Lewis, New York, N. Y.
Application March 20, 1937, Serial No. 68,297
Term of patent 3½ years



The ornamental design for a straw handbag, substantially as shown.

104,072
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application March 20, 1937, Serial No. 68,298
Term of patent 3½ years



The ornamental design for a handbag substantially as shown.

104,073
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application March 20, 1937, Serial No. 68,299
Term of patent 3½ years



The ornamental design for a handbag substantially as shown.

104,074
DESIGN FOR A STRAW HANDBAG
David Lewis, New York, N. Y.
Application March 20, 1937, Serial No. 68,300
Term of patent 3½ years



The ornamental design for a straw handbag substantially as shown.

104,075
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application March 20, 1937, Serial No. 68,301
Term of patent 3½ years



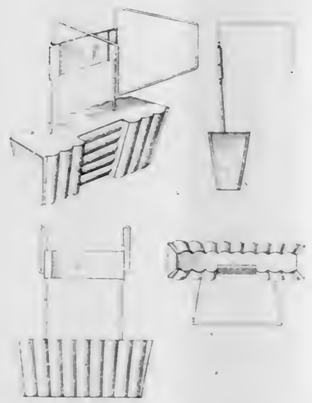
The ornamental design for a handbag substantially as shown.

104,076
DESIGN FOR A RADIATOR COVER
See Thie Liem, The Hague, Netherlands
Application January 14, 1935, Serial No. 54,844
In Switzerland December 13, 1934
Term of patent 14 years



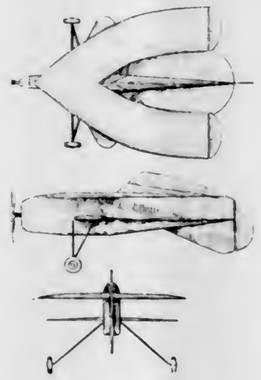
The ornamental design for a radiator cover, as shown.

104,077
DESIGN FOR A TOILET BOWL DEODORIZER
Elliot A. Miller, New York, N. Y.
Application February 10, 1937, Serial No. 67,570
Term of patent 14 years



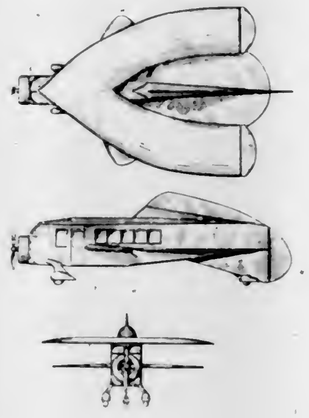
The ornamental design for a toilet bowl deodorizer substantially as shown.

104,078
DESIGN FOR AN AIRPLANE MODEL
Severyn I. Molicki, Denver, Colo.
Application September 24, 1936, Serial No. 64,995
Term of patent 3½ years



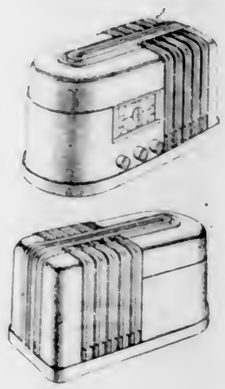
The ornamental design for an airplane model, as shown.

104,079
DESIGN FOR AN AIRPLANE
Severyn I. Molicki, Denver, Colo.
Application December 31, 1936, Serial No. 66,824
Term of patent 14 years



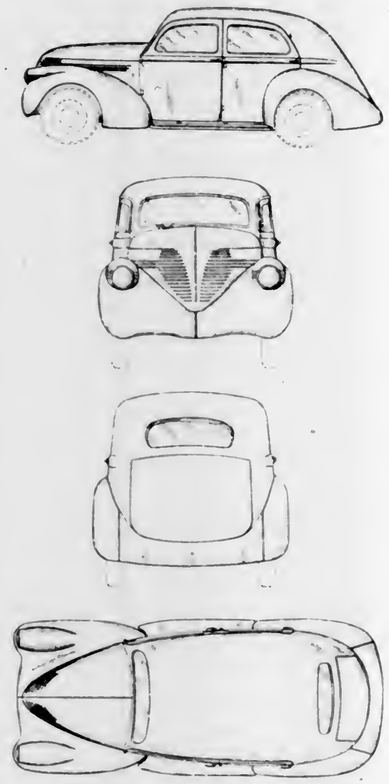
The ornamental design for an airplane, as shown.

104,080
DESIGN FOR A RADIO RECEIVER CABINET
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 12, 1937, Serial No. 67,624
Term of patent 7 years



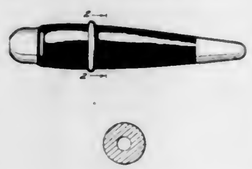
The ornamental design for a radio receiver cabinet, as shown.

104,081
DESIGN FOR AN AUTOMOBILE
Amos E. Northup, Detroit, Mich., assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application December 5, 1936, Serial No. 66,356
Term of patent 14 years



The ornamental design for an automobile substantially as shown.

104,082
DESIGN FOR A HANDLE FOR KITCHEN UTENSILS OR SIMILAR ARTICLES
Myron J. Zimmer, Chicago, Ill., assignor to Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application April 13, 1936, Serial No. 62,086
Term of patent 14 years



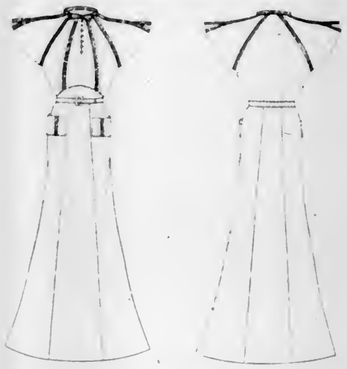
The ornamental design for a handle for kitchen utensils or similar articles, as shown and described.

104,083
DESIGN FOR A HANDLE FOR KITCHEN UTENSILS OR SIMILAR ARTICLES
Myron J. Zimmer, Chicago, Ill., assignor to Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application April 13, 1936, Serial No. 62,088
Term of patent 14 years



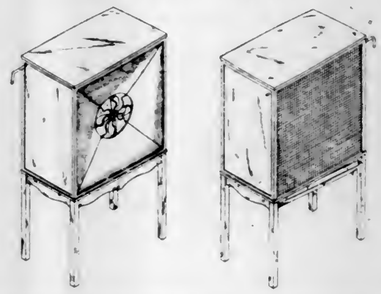
The ornamental design for a handle for kitchen utensils or similar articles, as shown and described.

104,084
DESIGN FOR A DRESS
Boris Alper, New York, N. Y.
Application March 13, 1937, Serial No. 68,154
Term of patent 3½ years



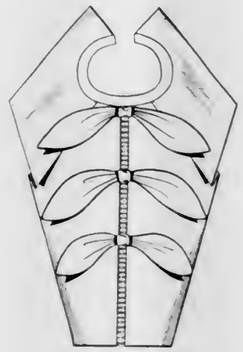
The ornamental design for a dress substantially as shown.

104,085
DESIGN FOR A COMBINED AIR FILTER AND COOLER
John Connor Austin, Oklahoma City, Okla.
Application August 31, 1936, Serial No. 64,652
Term of patent 3½ years



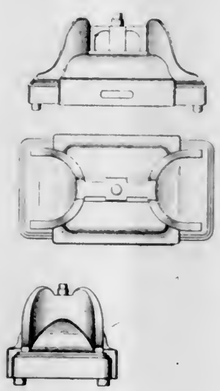
The ornamental design for a combined air filter and cooler, as shown and described.

104,086
DESIGN FOR A GILET
Edward Baruch, New York, N. Y.
Application March 2, 1937, Serial No. 67,943
Term of patent 3½ years



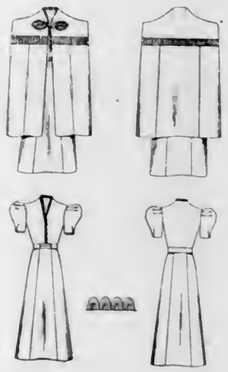
The ornamental design for a gilet, substantially as shown and described.

104,087
DESIGN FOR A TELEPHONE DESK STAND
Henry E. Billington, Park Ridge, Ill., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill., a corporation of Illinois
Application March 30, 1936, Serial No. 61,867
Term of patent 14 years



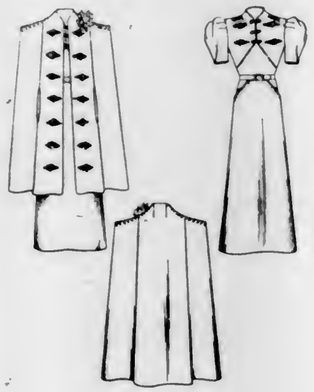
The ornamental design for a telephone desk stand substantially as shown.

104,088
DESIGN FOR A DRESS ENSEMBLE
Jack Bowdan, New York, N. Y.
Application March 12, 1937, Serial No. 68,125
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown, and described.

104,089
DESIGN FOR A DRESS ENSEMBLE
Jack Bowdan, New York, N. Y.
Application March 12, 1937, Serial No. 68,126
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown, and described.

104,090
DESIGN FOR A DRESS ENSEMBLE
Jack Bowdan, New York, N. Y.
Application March 13, 1937, Serial No. 68,147
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

104,091
DESIGN FOR A DRESS ENSEMBLE
Jack Bowdan, New York, N. Y.
Application March 13, 1937, Serial No. 68,148
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown, and described.

104,092
DESIGN FOR A HAIR WAVING MACHINE
Fernan O. Conill, New York, N. Y.
Application September 23, 1936, Serial No. 64,966
Term of patent 14 years



The ornamental design for a hair waving machine, as shown and described.

104,093
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application March 11, 1937, Serial No. 68,119
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

104,094
DESIGN FOR A PORTABLE LAMP
Bert A. Dickerson, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application November 20, 1936, Serial No. 66,037
Term of patent 7 years



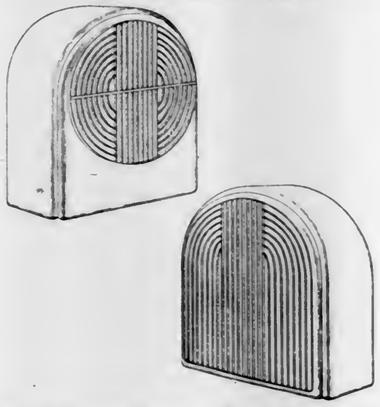
The ornamental design for a portable lamp, as shown.

104,095
DESIGN FOR A STRIP SHINGLE
Joseph R. Fife, Toledo, Ohio
Application February 11, 1937, Serial No. 67,598
Term of patent 14 years



The ornamental design for a strip shingle, as shown.

104,096
DESIGN FOR A VENTILATOR CASING OR SIMILAR ARTICLE
Arthur Friedman, Shaker Heights, Ohio, assignor to Air Controls, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 24, 1936, Serial No. 64,027
Term of patent 7 years



The ornamental design for a ventilator casing or similar article, as shown and described.

104,097
DESIGN FOR A MAT LINK
Arthur S. Galkin, Providence, R. I.
Application September 30, 1936, Serial No. 65,081
Term of patent 7 years





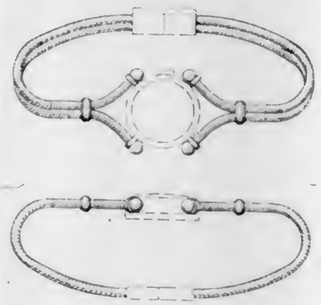
The ornamental design for a mat link, substantially as shown and described.

104,098
DESIGN FOR A SACHET CONTAINER
Paul H. Ganz, New York, N. Y.
Application September 21, 1935, Serial No. 58,637
Term of patent 7 years



The ornamental design for a sachet container, as shown and described.

104,099
DESIGN FOR A COMBINED WRIST WATCH CASING AND BRACELET THEREFOR
Jean R. Graef, Brooklyn, N. Y.
Application August 25, 1936, Serial No. 64,569
Term of patent 3½ years



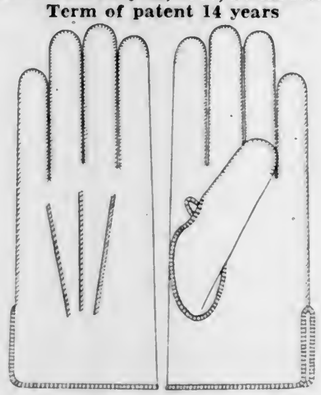
The ornamental design for a combined wrist watch casing and bracelet therefor, as shown and described.

104,100
DESIGN FOR A DRESS ENSEMBLE
Aaron Guzy, New York, N. Y.
Application March 10, 1937, Serial No. 68,095
Term of patent 3½ years



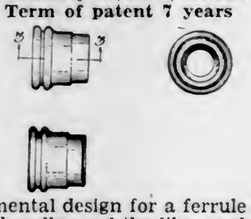
The ornamental design for a dress ensemble, substantially as shown, and described.

104,101
DESIGN FOR A GLOVE
William S. Hatch, Gloversville, N. Y.
Application February 11, 1937, Serial No. 67,585
Term of patent 14 years



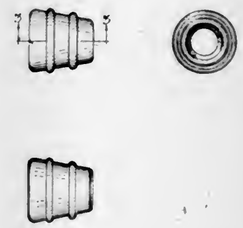
The ornamental design for a glove, substantially as shown, and described.

104,102
DESIGN FOR A FERRULE FOR HOUSEHOLD UTENSIL HANDLES AND THE LIKE
Clarence R. T. Hess, Prairie View, Ill., assignor to Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 22, 1937, Serial No. 67,227
Term of patent 7 years



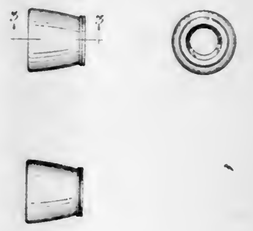
The ornamental design for a ferrule for household utensil handles and the like, as shown.

104,103
DESIGN FOR A FERRULE FOR HOUSEHOLD UTENSIL HANDLES AND THE LIKE
Clarence R. T. Hess, Prairie View, Ill., assignor to Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 22, 1937, Serial No. 67,229
Term of patent 7 years



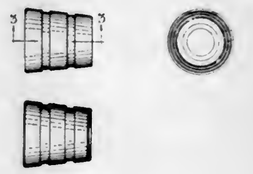
The ornamental design for a ferrule for household utensil handles and the like, as shown.

104,104
DESIGN FOR A FERRULE FOR HOUSEHOLD UTENSIL HANDLES AND THE LIKE
Clarence R. T. Hess, Prairie View, Ill., assignor to Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 22, 1937, Serial No. 67,230
Term of patent 7 years



The ornamental design for a ferrule for household utensil handles and the like, as shown.

104,105
DESIGN FOR A FERRULE FOR HOUSEHOLD UTENSIL HANDLES AND THE LIKE
Clarence R. T. Hess, Prairie View, Ill., assignor to Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 22, 1937, Serial No. 67,231
Term of patent 7 years



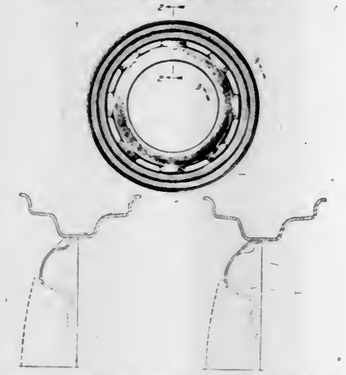
The ornamental design for a ferrule for household utensil handles and the like, as shown.

104,106
DESIGN FOR A FRAMED EMBLEM OR SIMILAR ARTICLE
Viola T. Howard, Saylesville, R. I., assignor to Swank Products, Inc., a corporation of Delaware
Application December 11, 1936, Serial No. 66,486
Term of patent 7 years



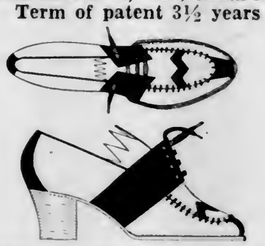
The ornamental design for a framed emblem or similar article, substantially as shown and described.

104,107
DESIGN FOR A WHEEL
J Harold Hunt and Harry J. Horn, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application March 2, 1936, Serial No. 61,447
Term of patent 7 years



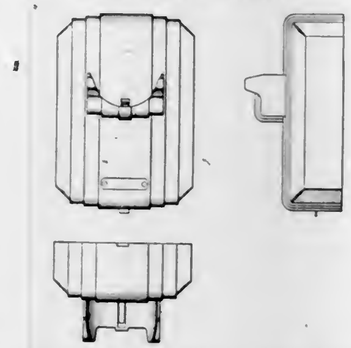
The ornamental design for a wheel, as shown and described.

104,108
DESIGN FOR A SHOE
Natalie Hutchinson, Bradford, Mass.
Application March 15, 1937, Serial No. 68,172
Term of patent 3½ years



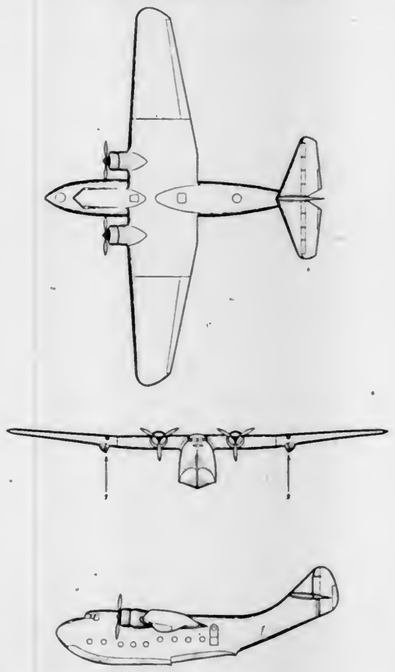
The ornamental design for a shoe substantially as shown.

104,109
DESIGN FOR A WALL TELEPHONE SET
Nils A. Judsen and Morris Rose, Chicago, Ill., assignors to Kellogg Switchboard & Supply Company, Chicago, Ill., a corporation of Illinois
Application March 30, 1936, Serial No. 61,868
Term of patent 14 years



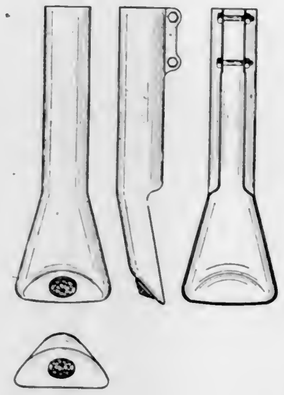
The ornamental design for a wall telephone set substantiall, as shown.

104,110
DESIGN FOR AN AIRPLANE
Earl Schuyler Kleinhans, Santa Monica, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Application November 30, 1936, Serial No. 66,211
Term of patent 7 years



The ornamental design for an airplane as shown.

104,111
DESIGN FOR AN AUTOMOBILE EXHAUST SHROUD
Louis A. Koch, Jr., Louisville, Ky.
Application December 26, 1935, Serial No. 60,283
Term of patent 14 years



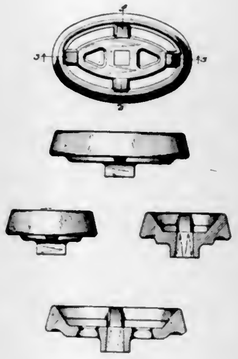
The ornamental design for an automobile exhaust shroud, as shown.

104,112
DESIGN FOR A TEXTILE FABRIC
Ralph J. Krause, New York, N. Y.
Application March 8, 1937, Serial No. 68,070
Term of patent 7 years



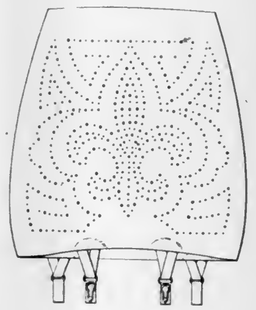
The ornamental design for a textile fabric, as shown.

104,113
DESIGN FOR A HANDWHEEL
Maximilian W. Link, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application January 23, 1937, Serial No. 67,253
Term of patent 14 years



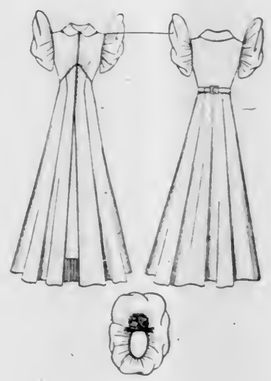
The ornamental design for a handwheel, substantially as shown.

104,114
DESIGN FOR A CORSET
Howard H. McGee, New York, N. Y., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application January 9, 1937, Serial No. 66,987
Term of patent 7 years



The ornamental design for a corset, as shown and described.

104,115
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application March 10, 1937, Serial No. 68,094
Term of patent 3½ years



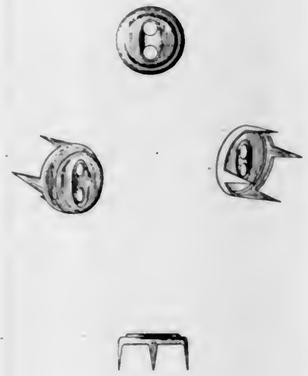
The ornamental design for a dress, substantially as shown and described.

104,116
DESIGN FOR A STATUETTE OR SIMILAR ARTICLE
Jane Miller, New York, N. Y.
Application January 18, 1937, Serial No. 67,110
Term of patent 7 years



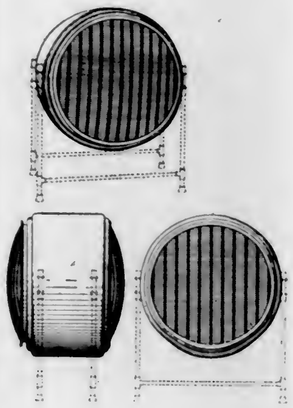
The ornamental design for a statuette or similar article, substantially as shown.

104,117
DESIGN FOR A DECORATIVE NAIL
Benjamin Salzberg, New York, N. Y.
Application February 12, 1937, Serial No. 67,615
Term of patent 3½ years



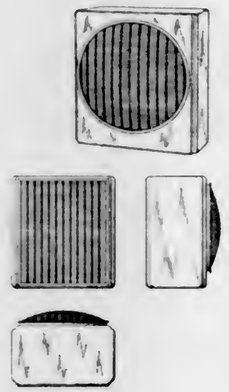
The ornamental design for a decorative nail substantially as shown.

104,118
DESIGN FOR A COMBINED VENTILATOR CASING AND SUPPORT THEREFOR
Gerald L. Schwarz, Cleveland, Ohio, assignor to Air Controls, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 24, 1936, Serial No. 64,024
Term of patent 7 years



The ornamental design for a combined ventilator casing and support therefor, as shown and described.

104,119
DESIGN FOR A VENTILATOR CASING OR SIMILAR ARTICLE
Gerald L. Schwarz, Cleveland, Ohio, assignor to Air Controls, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 24, 1936, Serial No. 64,025
Term of patent 7 years



The ornamental design for a ventilator casing or similar article, as shown and described.

104,120
DESIGN FOR A DRESS
William G. Steinman, New York, N. Y.
Application March 18, 1937, Serial No. 68,246
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

104,121
DESIGN FOR A DISPLAY STAND FOR BOTTLES OR THE LIKE
Fred C. Taylor, Hammondsport, N. Y., assignor to The Taylor Wine Company, Hammondsport, N. Y., a partnership consisting of Fred C. Taylor, Greyton H. Taylor, Clarence W. Taylor, Flora Taylor Keeler, and Lucy Taylor Zimmer
Application January 27, 1937, Serial No. 67,306
Term of patent 14 years



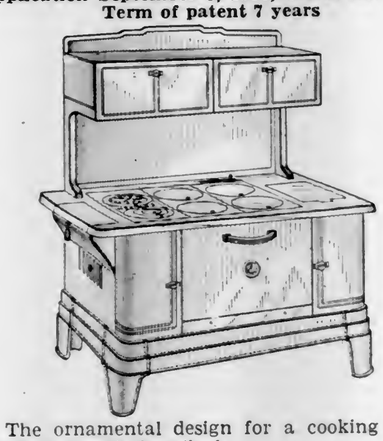
The ornamental design for a display stand for bottles or the like, substantially as shown and described.

104,122
DESIGN FOR AN EMBLEM
Joseph Adrian Thebault, Raleigh, N. C.
Application September 30, 1936, Serial No. 65,076
Term of patent 14 years



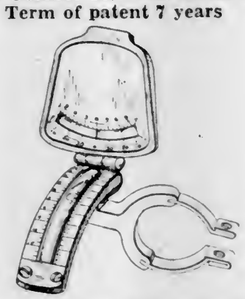
The ornamental design for an emblem, as shown.

104,123
DESIGN FOR A COOKING RANGE
John A. Underwood, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application September 5, 1936, Serial No. 64,745
Term of patent 7 years



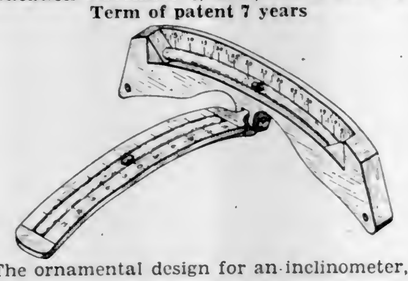
The ornamental design for a cooking range, as shown and described.

104,124
DESIGN FOR AN INCLINOMETER
Annabelle E. Ward, Denver, Colo., assignor of one-third to William E. Albertson, Daytona Beach, Fla., and one-third to Tom Botterill, Denver, Colo.
Application October 16, 1936, Serial No. 65,329
Term of patent 7 years



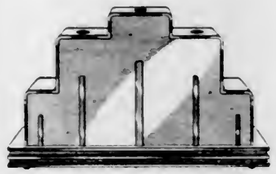
The ornamental design for an inclinometer, as shown.

104,125
DESIGN FOR AN INCLINOMETER
Annabelle E. Ward, Denver, Colo.
Application November 6, 1936, Serial No. 65,736
Term of patent 7 years



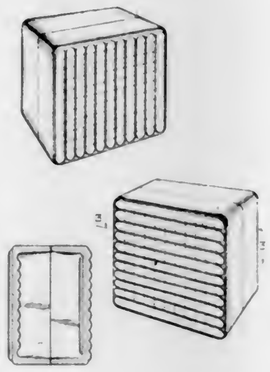
The ornamental design for an inclinometer, as shown.

104,126
DESIGN FOR A DISPLAY CABINET
Leslie R. Wieslander, Oakland, Calif., assignor to The Cincinnati Ball Crank Co., Cincinnati, Ohio, a corporation of Ohio
Application January 7, 1937, Serial No, 66,939
Term of patent 14 years



The ornamental design for a display cabinet substantially as shown and described.

104,127
DESIGN FOR A HOLLOW GLASS BUILDING BLOCK
Willard P. Zimmerman, Muncie, Ind., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 31, 1936, Serial No. 60,924
Term of patent 14 years



The ornamental design for a hollow glass building block substantially as shown and described.

Patents Nos. 2,077,375 to 2,078,214

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April 20, 1937

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Prints	1—No.	16,166.	
Reissues	5—No.	20,334 to No.	20,338, inclusive.
Plant Patents	3—No.	245 to No.	247, inclusive.
Patents	840—No.	2,077,375 to No.	2,078,214, inclusive.
Designs	102—No.	104,128 to No.	104,229, inclusive.
Total	1,177		

Trade-Mark Registrations Canceled

78,176. Molasses and corn-syrup compound. Thomas J. Henderson, New Orleans, La. Registered May 31, 1910. Renewed May 31, 1930. Canceled March 26, 1937.

177,125. Gloves. California Glove Company, Napa, Calif. Registered December 11, 1923. Canceled March 26, 1937.

248,117. Medicines for certain named ailments. Acme Products Limited, Winnipeg, Canada, and Detroit, Mich. Registered October 16, 1928. Canceled March 26, 1937.

249,926. Medicines for certain named ailments. Acme Products Limited, Winnipeg, Canada, and Detroit, Mich. Registered November 27, 1928. Canceled March 26, 1937.

281,310. Flycatchers. Walter I. Russell, doing business as Russell Sales Company, New York, N. Y. Registered March 17, 1931. Canceled April 2, 1937.

308,688. Baking powder. Julius J. Davis, doing business as Julius J. Davis Baking Powder Company, Brooklyn, N. Y. Registered December 19, 1933. Canceled April 2, 1937.

339,897. Ergot alkaloid. Sandoz Chemical Works, Inc., New York, N. Y. Registered October 27, 1936. Canceled April 2, 1937.

341,222. Lubricating oils. Pan American Petroleum Corporation, Wilmington, Del. Registered December 1, 1936. Canceled April 2, 1937.

Adjudicated Patents

(C. C. A. N. Y.) VanGundy and Scanlin patent, No. 1,599,854, for manufacture of lubricants, claims 1, 2, 3, 5, 6, and 7 *Held* invalid. *Texas Co.* v. *Sinclair Refining Co.*, 87 F.(2d) 690.

(C. C. A. N. Y.) Schletter patent, No. 1,713,628, for attachment for flat-knitting machines, claims 1, 3, 14, and 15 *Held* invalid. *Textile Mach. Works* v. *Louis Hirsch Textile Machines*, 87 F.(2d) 702.

(D. C. Mich.) Thornton patent, No. 1,897,153, for tandem drive for motor vehicles, claim 5 *Held* valid but not infringed and claims 8, 9, and 10 *Held* valid and infringed. *Patent Developers* v. *Gear Grinding Mach. Co.*, 17 F. Supp. 734.

(D. C. N. Y.) Beadle patent, No. 1,916,943, for hair former, claims 5 and 9 *Held* valid and infringed, claims 8 and 14 *Held* valid but not infringed. *Beadle* v. *F. W. Woolworth Co.*, 17 F. Supp. 830.

(C. C. A. N. Y.) Stargardter patent, No. 1,948,192, for method of treating steel, claims 1, 3 to 5, 8 and 11 *Held* invalid. *Gillette Safety Razor Co.* v. *Triangle Mechanical Laboratories Corporation*, 87 F.(2d) 699.

(D. C. Mich.) Thornton patent, No. 2,047,088, for auxiliary drive axle attachment for motor vehicles, claims 4 to 12 *Held* invalid but, if valid, not infringed. *Patent Developers* v. *Gear Grinding Mach. Co.*, 17 F. Supp. 734.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,003,776, W. M. Stratford, Treatment of hydrocarbon oils, decided March 1, 1937, claim 1.

Pat. 2,030,119, F. B. Powers and C. C. Whittaker, Control system, decided March 25, 1937, claims 1, 2, 3, 4, 5, and 6.

Pat. 2,030,842, J. L. Anderson, Apparatus for removing metal, decided March 16, 1937, claims 5 and 6.

Pat. 2,039,775, E. W. Burgess, Metal sealing cap for road parting strips, decided March 25, 1937, claims 7 and 8.

Pat. 2,045,204, H. C. Shagaloff, Refrigerating system, decided March 22, 1937, claims 3, 4, 5, 6, 9, 10, 26, and 27.

Condition of Applications Under Examination at Close of Business April 3, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 37,567; Trade-Mark Division, 1,663. Oldest new case, Sept. 25, 1936; oldest amended, Sept. 25, 1936.)
(The dates given are 1936 except where † indicates 1937)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Dec. 3	Dec. 28	465
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Nov. 11	Nov. 11	751
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Jan. 9	†Jan. 8	467
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Dec. 3	Dec. 2	596
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Dec. 17	†Jan. 5	503
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Dec. 4	Dec. 3	722
5725	7. JARBOE, C. G., Optics; Photography	†Jan. 4	†Jan. 6	867
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Dec. 21	Dec. 21	536
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Jan. 13	Dec. 28	472
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	†Jan. 2	†Jan. 16	410
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Jan. 6	†Jan. 8	423
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	Nov. 2	Nov. 20	686
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	†Jan. 14	†Jan. 14	482
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Dec. 28	Dec. 28	620
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Dec. 29	Dec. 29	952
5612	16. SPENCER, C. J., Telegraphy; Telephony	Dec. 3	Dec. 7	632
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	†Jan. 6	†Jan. 3	534
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Dec. 4	Dec. 3	493
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Dec. 17	Dec. 11	712
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Dec. 22	Dec. 21	494
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	†Jan. 4	†Jan. 4	624
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	†Jan. 7	†Jan. 7	586
7624	23. BUTTNER, W. J. (Act.), Registers (part)	Sept. 25	Sept. 25	224
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Jan. 14	†Jan. 15	564
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	†Jan. 3	†Jan. 3	538
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	†Jan. 14	†Jan. 15	453
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	Oct. 15	Oct. 16	792
4628	28. SOLYOM, H. L., Internal-Combustion Engines	†Jan. 12	†Jan. 16	273
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	†Jan. 15	†Jan. 13	453
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Nov. 30	Dec. 1	779
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	†Jan. 14	†Jan. 4	436
4086	32. LESH, KARL (Act.), Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Dec. 31	†Jan. 9	470
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	†Jan. 13	†Jan. 11	610
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	†Jan. 23	†Jan. 29	313
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Nov. 16	Nov. 13	652
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Dec. 30	†Jan. 26	264
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Nov. 28	Nov. 21	746
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Dec. 18	Dec. 15	440
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	Dec. 16	Dec. 9	460
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Nov. 23	Nov. 23	1190
6082	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	Nov. 12	Nov. 12	436
5882	42. CUTTING, H. O., Electric Signaling	Dec. 31	†Jan. 2	411
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	†Jan. 4	†Jan. 4	596
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	Dec. 3	Dec. 4	630
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 16	Nov. 16	680
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Dec. 24	†Jan. 2	413
7600	47. BARKER, H., Clutches; Brakes	†Jan. 23	†Jan. 23	452
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Jan. 4	†Jan. 4	523
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	†Jan. 8	†Jan. 11	446
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	†Jan. 3	†Jan. 3	591
5628	51. BACKUS, C. D., Radiant Energy	Dec. 30	Dec. 30	715
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	†Jan. 9	†Jan. 12	562
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Nov. 12	Nov. 17	1007
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	†Jan. 19	†Jan. 30	367
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 19	Oct. 24	890
4725	56. CHANDLER, G. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making	Dec. 9	Dec. 9	860
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Nov. 22	Dec. 4	603
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	†Jan. 9	†Jan. 18	361
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	†Jan. 19	†Jan. 19	430
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Nov. 19	Nov. 19	568
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	†Jan. 11	†Jan. 9	314
3876	62. PUGH, E. C., Games; Geometrical Instruments	†Jan. 16	†Jan. 18	441
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Dec. 29	Dec. 29	522
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	†Jan. 5	†Jan. 7	835
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Nov. 7	Nov. 5	717
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks	†Mar. 1	†Mar. 18	1385
	(Labels and Prints	†Mar. 3	†Mar. 13	278
2605	Designs, H. H. KALUPY	†Mar. 6	†Mar. 20	513

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Foster

No. 3,701. Decided December 21, 1936

[86 F.(2d) 981]

1. Patentability—Application of Old Method to Different Material.

Application of a process or a step of a process well known in the chemical art to a different chemical *Held* not to involve invention.

2. Same—Purification of Catalytic Phthalic Anhydride.

Certain claims for a method of purification of catalytic phthalic anhydride *Held* unpatentable over the prior art.

Appeal from the Patent Office. Affirmed.

Mr. Forbes Silsby and *Mr. I. Harry Rosenberg* for Foster.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

Garrett, *J.*:

There are here involved four claims, numbered 21, 22, 23 and 24, for a method of purification of catalytic phthalic anhydride, an appeal having been taken to this Court from the decision of the Board of Appeals of the United States Patent Office, affirming the decision of the Examiner rejecting them. Numerous claims stand allowed.

The appealed claims read:

21. In the purification of catalytic phthalic anhydride, the steps which comprise distilling and refluxing the phthalic anhydride until a colorless distillate is obtained.

22. In the purification of catalytic phthalic anhydride, the steps which comprise boiling the phthalic anhydride, condensing the vapors, returning the condensate to the boiling phthalic anhydride, continuing the boiling, condensation and return of condensate until a colorless phthalic anhydride condensate is obtained, and then collecting the phthalic anhydride condensate.

23. In the purification of catalytic phthalic anhydride, the steps which comprise boiling the phthalic anhydride, subjecting the resulting vapors to fractional condensation and return of the condensate to the boiling phthalic anhydride while withdrawing phthalic anhydride vapors, condensing the withdrawn vapors of phthalic anhydride to form a condensate, returning the latter condensate to the boiling phthalic anhydride, continuing the boiling, fractionation, condensation and return of condensate until a colorless phthalic anhydride condensate is obtained, and then collecting the condensate.

24. In the purification of catalytic phthalic anhydride by heating it with a condensing agent, the improvement which comprises heating impure catalytic phthalic anhydride with the condensing agent, boiling and refluxing the phthalic anhydride until a colorless phthalic anhydride distillate is obtained, and then distilling off and collecting purified phthalic anhydride.

The references cited are: Campbell, 1,192,987, August 1, 1916; Mann et al., 1,601,404, September 28, 1926; Bowers, 1,728,225, September 17, 1929; Lake (British), 13,892, September 26, 1888; Story (British), 8,875, of 1905.

While the brief on behalf of appellant alleges that the Examiner "apparently misread the claims", we do not understand that any question is raised as to the accuracy of his description of appellant's process which is as follows:

This is a process of purifying phthalic anhydride. The usual process of making phthalic anhydride is to pass vapor of naphthalene with air over a catalyst at about 400° C. The phthalic anhydride is condensed from the vapors either as a solid or liquid depending on whether the temperature is below or above 131°. This anhydride contains by-products from the oxidation which discolor the anhydride and may cause other impure products resulting from other reactions in which the anhydride is used. Pure anhydride is white and the object of this process is to fix the impurities so that they will not be distilled off with phthalic anhydride. In this process the impurities are condensed by the aid of sulfuric acid as a condensing agent. Thirty parts of anhydride to 1 or 2 parts concentrated sulfuric acid are charged into a still and heated to 180°–285° for two or three hours or until no more SO_2 is evolved. After this the temperature is raised to the boiling point and the distillate is refluxed until it is colorless when it is recovered condensed into a receiver. The boiling point of phthalic anhydride is 285° C., hence, in a closed vessel or one with a reflux condenser no anhydride would be lost during the first heating period. Only a relatively smaller portion would be lost in an open vessel. If the last of the distillate is colored, it is placed with a subsequent batch to be purified.

As an alternative process the distillate is fractionally collected condensed into a plurality of portions; the darker portions are then returned to the still. New claim 23 is suggestive of this process in "fractionation", line 8 thereof, and is probably intended to read upon this modification rather than upon the preferred process.

* * * * * * *

In the explanation of the invention, references and the rejection, the distinction between chemical and physical condensation should be kept in mind. The chemical condensation is that which occurs in the treatment of the phthalic anhydride with the reagent which changes the impurities into such form that they will not volatize. Physical condensation is the recovery in solid or liquid phase by cooling the vapors.

As the case comes to us, the sole issue is whether the step of "refluxing" renders the claims patentable. Claim 24 has a limitation not present in the other claims, it being that of heating impure catalytic phthalic anhydride with a condensing agent, but it is not understood that anything is claimed for this particular limitation, apart from the additional step of refluxing.

By refluxing, as we understand appellant's process, it is meant that he continues to return the condensate described for additional boiling, etc., until it reaches a stage of substantial purity, being, when in a pure liquid state, colorless like water and, when in a pure solid state, "snow white."

It seems quite clear that the patent to Bowers discloses all that appellant claims, except the refluxing step. It may be said that the record shows that an application of appellant, of which the present application is a continuation, was at one time involved in an interference with Bowers and others, and certain counts of that interference corresponding to, but somewhat broader than, the claims here involved, no refluxing step being included therein, were held not patentable over Bowers, the interference being dissolved as to such counts. Both the Examiner and the Board in their decisions in the instant case referred to the interference proceeding, reciting its history briefly. They then rejected on Bowers in view of the other references which were cited as showing refluxing in the field of chemical art.

It is conceded that no prior art was cited showing a refluxing step with respect to the purification of phthalic anhydride, but it was held in effect that since it was old and well known in the chemical art to use such step for purifying other sub-

stances, appellant's utilization of it in this particular field did not constitute invention.

The Board said:

The nature and the use of the reflux action is well known in the chemical arts for securing thorough reaction in and separation of reagents from mixtures, either before desired vapors are allowed to escape or during the escape of desired vapors to be recovered, generally the latter situation. We see no difference in principle or result in the application of the reflux action in the situation presented by the appealed claims than in other relations in the chemical art as set forth by the citations. Applicant's contention that some new and unobvious results are secured from the application of the refluxing step to catalytically prepared phthalic anhydride, has been carefully considered. While there may be unidentified products in the catalytic product, it is our opinion that whether these products are known or not it is suggestive from general chemical procedure as illustrated partly by the citations, to apply fractional condensation and refluxing in this relation both up to the time the phthalic anhydride is ready to come over and while it is being distilled. This is regarded as only an application of well known elementary chemical steps with expected results. We do not overlook applicant's claim that he is enabled to secure a highly refined product but are still not convinced that the application of this method of procedure rises above the expected skill of those working in the organic chemical arts.

Counsel for appellant was heard in oral argument before us and also filed an extensive and analytical brief which has had our careful study. So far as we can discern, every argument presented before us was presented to and received the consideration of the several tribunals of the Patent Office who, as experts, passed upon the various phases of the controversy. Aside from the application itself and the references cited, there is nothing in the nature of evidence in the record, and we are remitted solely to the arguments made for determination of the issue. The tribunals below agreed substantially in detail as to the reasons for rejection; so, we have not only concurring decisions upon the conclusion but concurrence in the explicit reasons therefor.

Appellant stresses the fact that at least two of the claims were for a considerable period, while the application was pending in the Patent Office, regarded as allowable. This we do not look upon as being of any particular consequence. *In re Ellis*, 24 C. C. P. A. (Patents) ——, 86 F.(2d) 412, decided December 7, 1936.

It is further argued on behalf of appellant:

Appellant's claims do not call for a mere repetition of the Bowers process. To the extent Bowers teaches any retreatment, it is a retreatment involving further heating with the chemical condensing agent until the impurities become non-volatile before again distilling. This is not appellant's process. Appellant's claims call for a return of the condensate *to the boiling phthalic anhydride*. This is not a mere repetition of the heating treatment but a re-fractionation.

[1] Granting this to be a proper construction of all the claims, it does not seem to us, under the facts of the case, that numerous repetitions of boiling and distilling to obtain the desired result present any greater inventive concept than would be presented by just one refluxing operation. The brief of appellant presents drawings said to show the apparatus used by Bowers and that used by appellant. The drawing of the latter shows means, described as a "sight glass", through which the condensate can be observed to ascertain when it has reached the desired stage of purity. The claims do not specify any particular number of refluxing operations necessary to bring the condensate to such stage. Apparently this is determined by an operator skilled in the art who observes the color of the condensate at the point indicated. Such of it as may have attained the desired color is withdrawn into a receiver provided therefor; such of it as has not attained the desired color is again passed through the apparatus for reboiling and redistillation, and so on until the whole is brought to the stage of purity desired. It seems to us to be a matter of skill rather than a matter of invention. Appellant has merely applied a process, or a step of a process, well known in the chemical art, to a different chemical, which, in our opinion, did not involve invention. *In re Dreyfus*, 20 C. C. P. A. (Patents) 1204, 65 F.(2d) 472, 437 O. G. 7.

The authorities cited on behalf of appellant have been examined. It is not felt that they inure to his benefit upon the question here involved. The pertinent facts in each of the cases so cited are distinguishable from the facts which are pertinent here.

[2] The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MENGLE *v.* FUERST

No. 3,702. Decided December 7, 1936

[86 F.(2d) 436]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* to show that M., the senior party, was not the first inventor of the subject matter in issue and *Held* that priority was properly awarded to F.

APPEAL from the Patent Office. Affirmed.

LENROOT, *J.*, concurring in the conclusion.

Messrs. Mason, Fenwick & Lawrence, Messrs. Saperston, McNaughtan & Saperston, Mr. Charles R. Fenwick and *Mr. Joseph Dugan* for Mengle.

Messrs. Whittemore, Hulbert, Whittemore & Belknap and *Mr. Clarence B. Zewadski* for Fuerst.

GRAHAM, *P. J.*:

On April 6, 1933, the appellant filed an application for patent in the United States Patent Office on an alleged new, original, and ornamental design for a bottle. On April 10, 1933, the appellee, Edwin W. Fuerst, also filed in that Office an application for a design for a bottle. While there are some slight differences, it is conceded by the parties that the designs are, for all practical purposes, identical. Thereupon an interference was declared in the Office between said applications. The appellant, being the senior party, relied upon his application for proof of conception and reduction to practice. The appellee took testimony in order to attempt to establish a *prima facie* case sufficient to overcome the seniority of the appellant's application. The appellant took no testimony.

In his preliminary statement, the appellee alleged that he conceived the invention, the subject matter of the interference, on or about April 15, 1931, disclosed the same to others on April 18, 1931, and

that the invention was reduced to practice on or about July 3, 1932. The Examiner of Interferences found that the appellee was the first to conceive and reduce to practice the design at issue, and awarded him priority. On appeal, the Board of Appeals affirmed this decision. The party Mengle has appealed.

The issue has been somewhat simplified by the concessions of the parties. The appellant admits that the design of the bottle, the subject matter of this interference, was conceived, reduced to practice, and commercially produced prior to April 6, 1933, his filing date. It is also conceded by the appellant that bottles embodying the design shown in the drawing of the appellee's patent application, filed April 10, 1933, were commercially produced prior to appellant's date of filing, and that the drawings for said bottle, and the various models thereof, were all made prior to appellant's filing date. It is also admitted that these bottles were made by the Owens-Illinois Glass Company, of Toledo, Ohio, and sold to Wizard, Inc., of Chicago, Ill.

The single contention made by the appellant on this appeal is that the bottles in question, together with the working plans therefor, and models, were not the result of the activities of the appellee Fuerst; that the original conception of the party Fuerst, upon which he relies largely for a date of conception, is represented by what is known as Fuerst Exhibit No. 1–A, and that this is an entirely different design from the design which was used in the manufacture of the bottles which have been commercially produced and sold; that the record shows that Fuerst did not conceive the design which was finally used in production of said bottles, and which was embodied in the working drawing therefor, known as Fuerst Exhibit No. 25; that this design was not the conception of Fuerst, but of someone else in the employ of the Owens-Illinois Glass Company, presumably the draftsman, Harste, who made said working drawings.

Counsel for the appellant thus state the contentions made by them:

(1) Is appellee's Exhibit 1–A, in view of the prior art, the same design as appears in his patent application?
(2) If appellee's Exhibit 1–A is a different design, did appellee or some other person create the design shown in appellee's patent application Serial No. 47,744 involved in this interference?
(3) If some other person created the design shown in appellee's patent application Serial No. 47,744 can appellee avail himself of this creation in establishing priority?

The facts shown by the record are, substantially, as follows:

The appellee was a designer in the employ of Owens-Illinois Glass Company, being first employed there in 1929. In April, 1931, Fuerst, who was then in the new uses and research, art division, of his company, received a request from the sales department of the company, made by LaPompadour Company, for a design for a new bottle. This request was received by Fuerst on April 6, and on or about April 15 he produced a design which has been introduced in evidence herein, and a photostat of which is known as Exhibit 1–A. The office number of the design was D–740. This design was submitted to LaPompadour Company, and thereafter to five other prospective customers, but was not adopted by any of them. In 1932, Wizard, Inc., by correspondence, requested a design for a new type of bottle to be made up for it by the Owens-Illinois Glass Company. This request was turned over to David V. Benner, of the sales division of the company, and by him was transmitted to Lorain A. Blake, of the production planning division, whose duty it was to order mold equipment and to follow up the making of the samples, and to perform other similar duties. In transmitting this request to Blake, Benner directed Blake as follows: "L. A. Blake order wood model Have Ed Howe see Fuerst for design D V B 6/29."

Blake then directed Edward W. Howe, who was then employed in the model design department, and had charge of making up wooden models, to confer with the appellee about the design of this proposed bottle. The witness Howe testified that he then "contacted Ed. Fuerst and received instructions from him." He states that he received verbal instructions as to the model shown on the photostat numbered D-740, and was told by Fuerst to make up a model "coming as close as manufacturing conditions would permit," to that particular sketch. Howe then delivered this sketch to another employee by the name of Adolph Harste, who made a working drawing, which is in evidence as Fuerst Exhibit 25, and which shows the design which is the subject of the application for patent here. This drawing was made July 1, 1932, and thereafter a model was made from which a sample was produced, and which it is admitted embodied the subject matter of the controversy here.

Harste testified that he was a draftsman for the Owens-Illinois Glass Company in 1931, and that it was his business to make up drawings for wood models; that he made the drawing, a blueprint of which is known as Exhibit 25, on July 1, 1932. He stated that he had a photostat, Exhibit 1–A, to work from, which he received from the witness Howe, and which he followed. The appellee stated that the witness Howe had talked to him about preparing a design for the Wizard bottle, and he had referred Mr. Howe to sketch D–740. He also stated that he had seen blueprint, Exhibit No. 25, and that he had approved the final model before it went out.

It appears that no one connected with the Owens-Illinois Glass Company, and with the production of this particular design for a bottle, makes any claim to authorship of the design, except Fuerst. The witness Benner, when asked who designed the bottle which is the subject of the controversy here, stated that the design was created by the appellee. A similar statement was made by the witness Blake. These witnesses were certainly in a position where the details of creation of this design were well known to them. All the circumstances surrounding the transaction lead to the conclusion that this was

the general understanding throughout the plant at the time of the creation of this design, and at the time of manufacture of the commercial bottles following this design was begun. Since that time large quantities of these particular bottles have been manufactured and sold.

It is argued by appellant that the design shown by the original sketch, Exhibit 1–A, and by the blueprint, Exhibit 25, are not the same. It is argued that the sketch, Exhibit 1–A, shows a bottle, the vertical lines of which converge toward the bottom, whereas in the bottle which is the subject of controversy here, the sides are parallelograms, the width of the bottle being the same throughout the length of the side panels. An inspection of the two designs discloses that there seems to be some convergence in the vertical side lines of the side panels toward the bottom of the design, Exhibit 1–A. It is noted, however, by the appellee, and called to our attention, that the artist's sketch, Exhibit 1–A, is that of a bottle turned partially sideways, so that in perspective the side panels of the bottle appear to have lines converging toward the bottom. This, it is said, is a result of an attempt by the artist to disclose perspective.

While it does seem that there is some difference in the designs in the respect indicated, the other portions of the designs are identical, and it appears plainly, from the record, that the design that was finally produced, namely, that as shown by Exhibit 25, was the result of conferences between Howe and Fuerst and Harste, and that before the design was transmitted to a mold for a sample bottle, Fuerst, who had charge of this particular design, was fully conversant with the details and approved the same.

The case of *Foster* v. *Antisdel*, 14 App. D. C. 552, 88 O. G. 1527, is, in our opinion, directly in point as to the contentions made by appellant here. In the case cited, a bed frame was involved, and Antisdel was the junior party. Antisdel proved that prior to the application of Foster, the senior party, he or his company had sold to one of the witnesses a bedstead containing the invention of the issue. The Court of Appeals said, in part:

> • • • Antisdel having himself sworn in his application that he is the first and original inventor of the device in question, and having proved the reduction to practice of the subject matter of the invention, and produced the completed article itself, and actually sold the same at a time prior to the date of Foster's application, a strong *prima facie* case is made in support of Antisdel's claim, which must prevail until overcome by at least a clear preponderance of proof. But notwithstanding this strong *prima facie* case presented in support of Antisdel's claim, Foster has not attempted to rebut or overcome it, by the production of proof to establish priority of invention by himself, but he relies upon the evidence given by Lloyd, a witness produced by Antisdel, whose testimony, as contended by Foster, tends to show that Lloyd was the inventor of the improvement or device in issue, and not Antisdel. • • • But evidence that some other party than the parties to the pending interference proceeding is the real inventor of the device in issue is impertinent to the issue, and can not be received or considered by those charged with the duty of determining the issue. Indeed, if the practice obtained of allowing the claims and pretensions of any and all persons, though not parties to the proceeding, to be set up as means of defeating the priority of claim of one of the parties to the proceeding, it would be very difficult, if not almost impossible, in many cases, to try the issue of interference as between the immediate parties to it. Such practice would open the door to all sorts of collusions, and perjury would be the recourse of many who failed to support their claims by legitimate evidence. In this case, Lloyd, the witness, not being a party to the proceeding, can not be bound by any ruling that may be made in respect to the question of priority. That question as between Antisdel and Lloyd can not be tried on the present issue. It has been settled by decision both in the Patent Office and in the Circuit Court of Appeals of the United States that the question—"whether a third party was the inventor of the device for which a party has received a patent, should not be inquired into either by the court or by the Commissioner of Patents in interference proceedings between the parties to such interference." *Christie* v. *Siebold*, C. D. 1893, 515; S. C., in Circuit Court of Appeals, 64 O. G. 1650.
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> The decision in a matter of interference only settles the immediate action of the Patent Office, as between the parties to such interference proceeding; and there is no limit to the number of interferences to which a pending application or an unexpired patent may be subject. *Gloucester Isinglass Co.* v. *Brooks*, 19 Fed. Rep. 427; *Kirk* v. *DuBois*, 33 Fed. Rep. 252; and see, also, on this subject, *Pentlarge* v. *Pentlarge*, 19 Fed. Rep. 817; *Lockwood* v. *Cleveland*, 20 Fed. Rep. 164; *Am. Clay Bird Co.* v. *Clay Pigeon Co.*, 31 Fed. Rep. 467.
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> In the opinion of a majority of the examiners in chief in this case the principle and the practice upon this subject are well stated in these terms:
>
> "Whether Antisdel can have a patent in the face of Lloyd's testimony is a question to be determined in the first instance by the primary examiner when this interference proceeding has been terminated. It is a question between Antisdel, as an applicant, and the Patent Office. It is one to which Foster is not a party. It may be a question to be decided between Antisdel and Lloyd as parties to an interference in which Antisdel's application and one by Lloyd, which we were informed at the hearing is filed in the office, shall be included. Whether the question be *ex parte*, whether Antisdel is an inventor so that he can have patent, or whether it be whether Antisdel or Lloyd is the prior inventor, in either event Foster is not a party to the question. The proof herein shows that in either event he, Foster, is not the prior inventor. He can not intervene as an inventor in any proceeding in this office on applications of other inventors."

The *Antisdel* case, supra, was followed by us in *Borglin* v. *Palmer*, 21 C. C. P. A. (Patents) 1109, 70 F.(2d) 899, 447 O. G. 759, in which we said, in part:

> The principal controversy between the parties here is whether Palmer specifically directed Burda about this process, or whether Burda conceived the process himself. Leaving out of account, for the present, the materiality of a discussion of this question, we have considered the matter with a view to determination of this point. The tribunals in the Patent Office were agreed that Palmer had shown a conception and reduction to practice during these experiments, which were conducted by Burda under Palmer's direction. Counsel for appellant vigorously attack this finding, contending that Palmer not only did not sustain the burden placed upon him as junior party by proving conception and reduction to practice at this time, but insist further that his entire proof of reduction to practice and conception consists of his own testimony, which counsel insist has been contradicted in its essential features by the testimony of the witness Burda.
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> We have examined the testimony on this point, in view of these contentions of the appellant, with much care. From such examination we are satisfied that Palmer directed the witness Burda as to the general conduct of these experiments, and that what Burda did, he did under the direction, with the concurrence and help, and with the full knowledge, of Palmer, who was in responsible charge of these experiments. Burda so states in his testimony. Although there is some showing in Burda's cross-examination that a part, at least, of the conception may have originated in his mind, it is apparent that he was of opinion, at the time he testified, that the experiments were conducted in conformity with Palmer's directions, and that Burda himself was not claiming to be the one responsible for their conduct or methods. Palmer was fully cognizant of whatever was done at the time. Burda was performing his services while in the employ of Palmer, at Palmer's directions, and under any reasonable interpretation of the rule so often announced by this court, the presumption is that benefit of his work inured to Palmer. *Braunstein* v. *Holmes*, 30 App. D. C. 328; *Fritz* v. *Hawn*, 17 C. C. P. A. (Patents) 796, 37 F.(2d) 430; *DeForest* v. *Owens*, 18 C. C. P. A. (Patents) 1424, 49 F.(2d) 826; *Owens* v. *Sponable*, 21 C. C. P. A. (Patents) 992, 69 F.(2d) 650.
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> Counsel for appellant do not seriously contend that it aids the case of the appellant to claim that Burda, and not Palmer, was the real inventor. It is well settled by the authorities that such a claim will not aid a party in an interference proceeding. The issue is one of priority as between the parties to interference, and the rights of parties who are not in the interference are not involved or material. *Foster* v. *Antisdel*, 14 App. D. C. 552; *Prindle* v. *Brown*, 24 App. D. C. 114; *Luellen* v. *Claussen*, 43 App. D. C. 444; *Beidler* v. *Capps*, 17 C. C. P. A. (Patents) 703, 36 F.(2d) 122; *Cooper* v. *Hubbell*, 19 C. C. P. A. (Patents) 790, 53 F.(2d) 1072; *Derby* v. *Whitworth*, 20 C. C. P. A. (Patents) 791, 62 F.(2d) 368.
>
> It is plainly shown by this record that the party Palmer was in possession of this invention, fully conceived and fully reduced to practice, before the party Borglin entered the field by filing his application. Palmer having shown that he was in full possession of the subject matter of the invention, prior to Borglin's filing date, has established a prima facie case, which must prevail, unless overcome by other evidence, or by facts and circumstances as shown by the record. *Foster* v. *Antisdel*, supra.

On this record, certainly Mengle cannot be awarded priority, for it is shown thereby that he was not the first inventor of the subject matter of the issue.

We are of opinion that the Board of Appeals did not err, on this record, in awarding priority to the party Fuerst.

The decision of the Board of Appeals is affirmed.

Affirmed.

LENROOT, *J.*, concurs in the conclusion.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,223,180, C. F. Kettering, Ignition systems; 1,641,374, W. A. Chryst, Induction coils; 1,647,417, W. G. Schneider, Ignition coil, filed Jan. 24, 1933, D. C., S. D. N. Y., Doc. E 74–3, *Delco-Remy Corp.* (*General Motors Corp.*) v. *National Ignition Sales Co., Inc.* Dismissed for lack of prosecution (notice Feb. 27, 1937).

1,243,079, M. B. Lloyd, Method of producing woven reed articles, filed Nov. 14, 1927, D. C. Del. (Wilmington), Doc. E 669, *L. H. Greenwood et al.* v. *National Fibre Products, Inc.* Dismissed for lack of prosecution, Mar. 9, 1937.

1,268,473, W. O. Kennington, Distributer caps for ignition apparatus; 1,351,714, A. E. Berdon et al., Distributer heads for ignition devices; 1,372,065, O. F. Conklin, Distributer device for ignition apparatus, filed Jan. 24, 1933, D. C., S. D. N. Y., Doc. E 74–2, *Delco-Remy Corp.* (*General Motors Corp.*) v. *National Ignition Sales Co., Inc.* Dismissed for lack of prosecution (notice Feb. 27, 1937).

1,301,431, 1,353,042, E. Harris, Retread vulcanizers, filed Feb. 17, 1937, D. C., S. D. Calif. (Los Angeles), Doc. E 1117–H, *E. Harris et al.* v. *American Tire Machinery Co., Inc.*

1,301,561, M. Hirschthal, Method and apparatus for providing concrete structure, filed Mar. 18, 1937, D. C., S. D. N. Y., Doc. E 85–12, *M. Hirschthal et al.* v. *Corbetta Construction Co., Inc., et al.*

1,330,707, F. B. Hoffstetter et al., 1,532,077, H. E. Quackenbush et al., Automatic glass blowing machines, filed Jan. 19, 1937, D. C., N. J. (Trenton), Doc. E 5661, *General Electric Company et al.* v. *Premier Miniature Bulb Company et al.* Same, Doc. E 5662 v. *H. Lange, Inc.* Same, Doc. 5663 v. *M. Yablonsky et al.*

1,351,714. (See 1,268,473.) 1,380,334. (See 1,539,701.)

1,353,042. (See 1,301,431.) 1,532,077. (See 1,330,707.)

1,372,065. (See 1,268,473.)

1,539,701, E. C. Sutherland, Process of bleaching, preserving and increasing the baking qualities of flour and of other milling products; 1,380,334, same, Process for treating meal or flour and milling products, filed Feb. 5, 1937, D. C., E. D. Mo. (St. Louis), Doc. 12072, *Norvadel-Agene Corp.* v. *So White Co. et al.*

1,601,146, J. B. Replogle, Switch; 1,693,998, W. A. Chryst, Electric switch; 1,798,751, H. E. Norviel, Electrical switch; 1,835,019, H. D. Dawson, Switch, filed Jan 24, 1933, D. C., S. D. N. Y., Doc. E 74–5, *Delco-Remy Corp.* (*General Motors Corp.*) v. *National Ignition Sales, Inc.* Dismissed for lack of prosecution (notice Feb. 27, 1937).

1,641,374. (See 1,223,180.)

1,641,871, S. Solomon, Brief case, filed Mar. 17, 1937, D. C., S. D. N. Y., Doc. E 85–11, *S. Solomon et al* v. *Standard Brief Case Co., Inc.*

1,647,417. (See 1,223,180.)

1,687,013, O. W. Frederickson, Armored electric cables, filed Apr. 11, 1935, D. C. Del. (Wilmington), Doc. E 1110, *Eastern Tube & Tool Co., Inc.*, v. *National Electric Products Corp.* Consent decree dismissing bill, Mar. 6, 1937.

1,693,998. (See 1,601,146.)

1,761,359, W. H. Nutt, Heels and methods of covering the same, filed Dec. 16, 1931, D. C., S. D. Ohio (Cincinnati), Doc. E 790, *United Shoe Machinery Corp.* v. *Vulcan Corp.* Decree finding claims 3, 4, 5, 6, and 7 invalid—bill dismissed Mar. 23, 1937.

1,796,855, R. H. Ahlers, Electrical condenser; 1,815,496, W. A. Chryst, Ignition apparatus; 1,830,907, C. H. Kindl, Electrical condenser, filed Jan. 24, 1933, D. C., S. D. N. Y., Doc. E 74–4, *Delco-Remy Corp.* (*General Motors Corp.*) v. *National Ignition Sales Co., Inc.* Dismissed for lack of prosecution (notice Feb. 27, 1937).

1,798,751. (See 1,601,146.)

1,802,700, V. A. Boker, Nozzle for lubricating systems filed Mar. 17, 1937, D. C., S. D. N. Y., Doc. E 85–7, *Min-A-Max Co., Inc.*, v. *Red Brown Patch Co., Inc.*

1,807,697, 1,846,266, G. A. Lyon, Covers for spare automobile tires, appeal filed July 27, 1936, C. C. A. 3d Cir., Doc. 6206, *Lyon Incorporated et al.* v. *Clayton & Lambert Mfg. Co.* Lower court affirmed, Mar. 16, 1937.

1,815,496. (See 1,796,855.) 1,830,907. (See 1,796,855.)

1,834,070, J. J. Parkinson, Heating devices, filed Oct. 3, 1935, D. C., E. D. N. Y. (Brooklyn), Doc. E 7767, *Parkinson Heater Corp. et al.* v. *J. Goldstein, Inc.* Decree favor plaintiff, Mar. 16, 1937.

1,835,019. (See 1,601,146.)

1,840,012, O. Behimer, Apparatus for making gasoline; 1,883,850, same, Process for making gasoline, filed Mar. 1, 1937, D. C., W. D. Okla. (Oklahoma City), Doc. E 1939, *The Texas Co.* v. *Champlin Refining Co.*

1,846,266. (See 1,807,697.)

1,864,459. (See Re. 18,498.)

1,864,460. (See Re. 18,498.)

1,879,783, L. Barnett, Convertible cap plugs, filed Mar. 23, 1937, D. C., S. D. N. Y., Doc. E 85–25, *L. Barnett* v. *L. Levy* (*as an individual and Master Radio Laboratories*).

1,883,850. (See 1,840,012.)

1,906,241, E. A. Arp, Method and apparatus for predetermining the size of rebored cylinders; Re. 18,832 (of 1,881,993), same, Tool attachment devices, D. C., N. D. Ohio (Cleveland), Doc. E 5527, *Van Norman Machine Tool Co.* v. *Lemco Products, Inc.* Dismissed without prejudice Mar. 4, 1937.

1,941,432, A. L. Doering, Metallic window structures, filed Mar. 9, 1937, D. C., E. D. Pa. (Philadelphia), Doc. 9689, *J. S. Thorn Co.* v. *Michael Flynn, Inc., et al.*

1,968,130, W. W. Criley, Clutch; Re. 19,876 (of 1,968,130), same; 2,032,836, same, Drive means for forging machines and the like; 2,052,752, same, Timing and control mechanism, filed Mar. 6, 1937, D. C., N. D. Ohio (Toledo), Doc. E 1593, *The Ajax Manufacturing Co.* v. *The National Machinery Co.*

1,985,678, L. T. Hand, Superfold paper tape, filed Mar. 22, 1937, D. C., S. D. N. Y., Doc. E 85–22, *Morsegraph, Inc.*, v. *The Associated Press.*

2,032,836. (See 1,968,130.)

2,049,029, M. H. Storch, Frame assemblies for mirrors and the like, filed Mar. 23, 1937, D. C., E. D. N. Y. (Brooklyn), Doc. E 8262, *M. H. Storch et al.* v. *Friedman Silver Co., Inc.*

2,052,752. (See 1,968,130.)

2,056,135, E. A. Butler, Composition and method for treating hair, filed Mar. 19, 1937, D. C. Ohio (Cleveland), Doc. 5580, *Celloweave Sales Corp.* v. *Gibbs & Co.*

Re. 17,857 (of 1,660,218), C. L. Burgher, Means of heating enclosures electrically, filed Sept. 25, 1933, D. C., S. D. N. Y., Doc. E 76–304, *Duct Electric Heater Corp.* v. *American Radiator Co. (N. J.) et al.* Dismissed without prejudice (notice Mar. 16, 1937).

Re. 18,074 (of 1,791,989), H. Weinrub, Controls for knitting machines, filed Nov. 28, 1933, D. C., S. D. N. Y., Doc. E 77–19, *I. Weinrub* v. *Gordon Trimming Co., Inc.* Order of discontinuance without prejudice. Doc. E 77–20, *I. Weinrub* v. *Fashion Novelty Corp.* Same decision (both notices Jan. 26, 1937).

Re. 18,498, H. E. Norviel, Ignition apparatus; 1,864,459, same, Switch; 1,864,460, same, Switch and coil unit, filed Jan. 24, 1933, D. C., S. D. N. Y., Doc. E 74–7, *Delco-Remy Corp. (General Motors Corp.)* v. *National Ignition Sales Co., Inc.* Dismissed for lack of prosecution (notice Feb. 27, 1937).

Re. 18,614 (of 1,504,988), H. Speetjens, Apparatus for permanently waving the hair, filed May 23, 1934, D. C., S. D. N. Y., Doc. 78–161, *Rewave Heaters, Inc.*, v. *The Nestle-Le Mur Co.* Decree holding patent invalid; bill dismissed (notice Jan. 18, 1937).

Re. 18,682 (of 1,786,214), J. C. McCune et al., Vacuum operated horns, filed Feb. 24, 1936, D. C., E. D. Mich. (Detroit), Doc. 7475, *Westinghouse Air Brake Co. et al.* v. *Schwarze Electric Co.* Dismissed Feb. 5, 1937.

Re. 18,832. (See 1,906,241.)

Re. 19,070 (of 1,706,218), H. Chretien, Autocollimating reflectors and applications to optical signaling and night advertising, filed Oct. 13, 1936, D. C., S. D. N. Y., Doc. E 83–386, *Western Cataphote Corp.* v. *Y. De Villers et al.* Consent order of discontinuance (notice Mar. 10, 1937).

Re. 19,876. (See 1,968,130.)

Re. 20,024 (of 1,958,409), M. J. Kohler, Apparatus for treating nuts, filed Jan. 26, 1937, D. C., N. D. Calif. (San Francisco), Doc. E 4133–S, *National Nut Company of California* v. *Sontag Chain Stores Co., Ltd.*

Des. 93,196, B. Benjamin, Shoe, filed Apr. 20, 1935, D. C., S. D. N. Y., Doc. E 80–152, *Schwartz & Benjamin, Inc.*, v. *Prospect Shoe Co. et al.* Consent order of discontinuance (notice Mar. 17, 1937).

Des. 100,275, J. Maharam, Textile fabric, filed Mar. 8, 1937, D. C., S. D. N. Y., Doc. E 84–397, *J. Maharam et al.* v. *Dazian's, Inc., et al.*

Des. 100,567, L. F. Lang, Grave canopy, filed Mar. 23, 1937, D. C., W. D. Pa. (Pittsburgh), Doc. E 3282, *L. F. Lang* v. *J. L. Steckman (Steckman Burial Service or Steckman Vault Service).*

Des. 101,795, P. Schnittman, Robe, filed Feb. 9, 1937, D. C., S. D. N. Y., Doc. E 84–304, *A. H. Malouf et al. (individually and Perfect Negligee Co.)* v. *Goldstein & Milbery, Inc.* Consent decree favor plaintiff and granting injunction against defendant (notice Mar. 24, 1937).

Des. 102,824, A. Guzy, Dress, filed Mar. 18, 1937, D. C., S. D. N. Y., Doc. E 85–16, *Burgundy Frocks, Inc.*, v. *Miller & Tepper, Inc.*

Des. 102,946, D. M. Furman, Beaded handbag fabrics, filed Mar. 19, 1937, D. C., S. D. N. Y., Doc. E 85–20, *Kaplan & Gordon Corp.* v. *Harry Schenker et al (Marvel Bag Co.).*

Des. 103,192, A. M. Guzy, Dress, filed Mar. 18, 1937, D. C., S. D. N. Y., Doc. E 85–15, *Burgundy Frocks, Inc.*, v. *Blue Bonnet Dress Co., Inc.*

Des. 103,369, J. E. Grotta, Gilet, filed Mar. 22, 1927, D. C., S. D. N. Y., Doc. E 85–23, *J. E. Grotto et al.* v. *W. Cohn (W. Cohn Co.).*

Des. 103,473, P. Schlessel, An ensemble dress, filed Mar. 22, 1937, D. C., S. D. N. Y., Doc. E 85–21, *New York Dress & Costume Co., Inc.*, v. *Major Modes, Inc.*

Des. 103,636, E. Cutter, Dress, filed Mar. 18, 1937, D. C., S. D. N. Y., Doc. E 85–13, *Lee Claire Costumes, Inc.*, v. *S. M. Litt, Inc.*

Des. 103,658, M. Michelson, Dress, filed Mar. 19, 1937, D. C., S. D. N. Y., Doc. E 85–17, *Fred Perlberg, Inc.*, v. *L. Rappaport (Ritzy Dress Co.).* Doc. E 85–18, *F. Perlberg, Inc.*, v. *G. Jacobson et al.*

T. M. 305,309, Paroglaz Products, Polishing material for automobile bodies, floors, etc., filed Apr. 12, 1935, D. C., W. D. N. Y. (Buffalo), Doc. 1966, *Paroglaz Products, Inc.*, v. *W. H. Carpenter (Arrow Superglaz Products).* Dismissed for lack of prosecution Mar. 9, 1937.

Disclaimers

1,527,588.—*William O. Kennington*, Anderson, Ind. GEARING FOR STARTING INTERNAL COMBUSTION ENGINES. Patent dated February 24, 1925. Disclaimer filed March 26, 1937, by the assignee, *The Eclipse Machine Company.*

Hereby enters this disclaimer to claims 9 to 14 inclusive of said Letters Patent.

1,855,055.—*John Kelly Johnson*, Hartsdale, N. Y. HIGH FREQUENCY TRANSFORMER. Patent dated April 19, 1932. Disclaimer filed March 26, 1937, by the assignee, *Hazeltine Corporation.*

Hereby enters this disclaimer to claims 1 and 8 of said patent.

1,946,248.—*Albert C. Weigel*, East Orange, N. J. DEVICE FOR SECURING DRY STEAM. Patent dated February 6, 1934. Disclaimer filed February 26, 1937, by the assignee, *Combustion Engineering Company, Inc.*

Hereby disclaims from the scope of the terms "screen device" and "screen" in claim 6 any structure as a water removing means other than wire screen only.

1,974,551.—*Jean Edouard Tuscher*, Petit Ivry, and *Marcel Spiro*, Paris, France. AUTOMATIC TELEPHONE SIGNALING APPARATUS. Patent dated September 25, 1934. Disclaimer filed March 6, 1937, by the assignee, *Signaphone Corporation of America.*

Hereby enters this disclaimer to claim 12 of said Letters Patent.

2,030,842.—*James L. Anderson*, Closter, N. J. APPARATUS FOR REMOVING METAL. Patent dated February 18, 1936. Disclaimer filed March 18, 1937, by the assignee, *Air Reduction Company, Incorporated.*

Hereby enters this disclaimer to claims 5 and 6 in said specification.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 20, 1937

[VOL. 477. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 384,888. B. D. EISENDRATH TANNING COMPANY, Chicago, Ill. Filed Oct. 28, 1936.

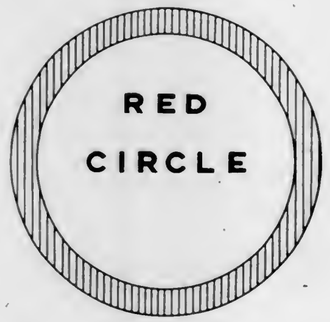


The word "Calf" is disclaimed apart from the mark as shown.

For Leather.

Claims use since July 1, 1936.

Ser. No. 387,641. WISCONSIN GREAT LAKES COAL & DOCK CO., Milwaukee, Wis. Filed Jan. 9, 1937.



For Coal.

Claims use since Dec. 1, 1936.

Ser. No. 388,647. THE MARBLETTE CORPORATION, Long Island City, N. Y. Filed Feb. 8, 1937.



For Composition Products of Cast Synthetic Resin.

Claims use since Aug. 1, 1936.

CLASS 2

Receptacles

Ser. No. 382,940. KURT BOSKAMP, doing business as Firma G. Pohl, Danzig-Langfuhr, Free City of Danzig. Filed Sept. 5, 1936.

Gelodurat

For Empty Gelatine Capsules.

Claims use since 1911.

Ser. No. 383,586. JOE LOWE CORPORATION, New York, N. Y. Filed Sept. 24, 1936.

PATTIE SUNDAE

For Empty Wrappers and Bags Made of Glassine, Vegetable Parchment, Plain and/or Waxed Paper.

Claims used since June 24, 1934.

Ser. No. 383,589. JOE LOWE CORPORATION, New York, N. Y. Filed Sept. 24, 1936.

SUNDAE-SICLE

For Empty Wrappers and Bags Made of Glassine, Vegetable Parchment, Plain and/or Waxed Paper.

Claims use since June 24, 1936.

Ser. No. 386,981. BORSARI & CIE., Zollikon, Switzerland. Filed Dec. 21, 1936.

„Borsari Eon-Tank"

The word "Tank" is disclaimed apart from the mark as shown.

For Ferro-Concrete Tanks.

Claims use since Mar. 11, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 386,655. NON-GLARE CHEMICAL COMPANY, Evanston, Ill. Filed Dec. 11, 1936.

NON-GLARE

For Cleaning Preparation For Glass, Nickel, Silver, Porcelain, Enamel, and the Like.

Claims use since May, 1933.

Ser. No. 386,663. EARL F. RULISON, doing business as Less Effort Products Co., Chicago, Ill. Filed Dec. 11, 1936.

LES-F-ORT

For Hand Cleanser, All Purpose Cleanser Having Incidental Water Softening Properties, and Automobile Dry Cleaning Compound.

Claims use since May 26, 1934.

Ser. No. 387,466. D. H. GOLDMAN, doing business as Zeen Chemical Company, Cleveland, Ohio. Filed Jan. 5, 1937.

ZEEN

For Dry Cleaning Fluid with Naphtha Base; Rug and Carpet Wet Shampoo, a Combination of Concentrated Dry Cleaner and Water; Dry Cleaner in Concentrated Form to be Used in Conjunction with the Liquid Dry Cleaner; Sanitary Cleaner with Naphtha Base which Both Cleans and Disinfects.

Claims use since November, 1934.

Ser. No. 387,622. HÖGANÄS-BILLESHOLMS AKTIEBOLAG, Höganas and Halsingborg, Sweden. Filed Jan. 9, 1937.

ALUMO

For Abrasives Consisting of Electrically Fused Alumina in the Form of Powder and Plates, Whetstones, and Grinding Cloths.

Claims use since 1922.

Ser. No. 388,121. THE COWLES DETERGENT COMPANY, Cleveland, Ohio. Filed Jan. 25, 1937.

ALSINA

For Soluble Chemical Compounds for Use as Detergents.

Claims use since Dec. 15, 1936.

Ser. No. 388,262. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Jan. 28, 1937.

Americe

For Toilet Soaps.

Claims use since October, 1914.

Ser. No. 388,493. THE COWLES DETERGENT COMPANY, Cleveland, Ohio. Filed Feb. 3, 1937.

ESKIER

For Detergent for Use in Connection with the Boiling and Treating of Textile Fabrics.

Claims use since Jan. 15, 1937.

Ser. No. 388,616. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Feb. 6, 1937.

ZOOP

For Industrial and Household Cleaning Compound for Automobiles, Automobile Equipment, Machinery, Engines, Floors, Clothing and Textiles, and the Like, Said Cleaning Compound Being a Solvent for Oils and Grease.

Claims use since Nov. 30, 1936.

Ser. No. 389,041. SHULTON, INC., New York, N. Y. Filed Feb. 17, 1937.

Shepherdess Lavender

The word "Lavender" is disclaimed apart from the mark.

For Saponaceous Compounds for Cleaning the Hands, Shaving Cream, Shaving Sticks, Shaving Powder, Outfit Packages Containing Soap and Towel; Soap Powder for Bathing, Washing, and Cleaning Purposes; Laundry Soaps, Soap Flakes, Hand Soaps, Toilet Soaps, Soap Pastes, Washing Tablets, and Shampoo Soaps.

Claims use since Feb. 15, 1937.

Ser. No. 389,092. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Filed Feb. 18, 1937.

NACCOLENE

For Chemical Compositions Used in the Dry Cleaning of Textiles.

Claims use since Dec. 21, 1935.

Ser. No. 389,109. GEORGE JOSEPH BASEL, doing business as Basel Co., Cleveland, Ohio. Filed Feb. 19, 1937.

SUNIE

For Shaving Soap and a Shaving Cream.

Claims use since Dec. 28, 1936.

Ser. No. 389,318. HERCULES POWDER COMPANY, Wilmington, Del. Filed Feb. 24, 1937.

HERCOTA

For Liquid Detergent Compound Used in Laundering and Cleaning Processes.

Claims use since Feb. 1, 1937.

Ser. No. 389,326. JAMES C. MEGQUIER, doing business as Lustre Laboratories, Lynn, Mass. Filed Feb. 24, 1937.

DENTA

For Powder for Cleaning Dentures and Denture Plates.

Claims use since April, 1933.

Ser. No. 389,372. PARFUMS DUVEE, INC., New York, N. Y. Filed Feb. 25, 1937.

NUNAP CRYSTALS

The words "Cleaning" and "Crystals" are disclaimed apart from the mark.

For Cleaning Compound for Fabrics, Dishes, and Floors, Automobiles, Furniture, Upholstery, and Rugs.

Claims use since Jan. 16, 1937.

Ser. No. 389,463. KELITE PRODUCTS, INC., Los Angeles, Calif. Filed Feb. 27, 1937.

KELITE

For Cleaning Powders, Cleaning Paste, Cleaning Fluids, and Soaps.

Claims use since Feb. 10, 1937.

CLASS 5

Adhesives

Ser. No. 376,748. BENJAMIN K. ALBRECHT, doing business as Albrecht & Co., Rowayton, Conn. Filed Apr. 3, 1936.

GELATEX

For Adhesive Cement.

Claims use since Jan. 1, 1932.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 373,619. HAROLD L. ROTHSCHILD, doing business as Parker-Bouldin Company, St. Paul, Minn. Filed Jan. 13, 1936.

Priscilla Parker

Priscilla Parker is the name of a well known figure in early American history, the wife of John Alden.

For Cosmetics for Men and Women—Namely, Cold Cream, Tissue Cream, Cleansing Cream, Lip Stick, Shampoo, Skin and Hair Lotions, Skin Astringent, Perfume, Brilliantine, Rouge, and Deodorants.

Claims use since Dec. 10, 1934.

Ser. No. 376,324. ANSBACHER SIEGLE CORPORATION, Brooklyn, N. Y. Filed Mar. 24, 1936.

KU-BA-TOX

The term "Tox" is disclaimed except as a part of the mark shown.

For Agricultural Insecticidal Material.

Claims use since Mar. 26, 1932.

Ser. No. 386,164. EDWARD R. JARVIS, doing business as Guild Co., New Brunswick, N. J. Filed Dec. 1, 1936.

Gloveskin

For Healing Cream for Chapped Skin.

Claims use since Oct. 30, 1936.

Ser. No. 386,226. PHILLIP SLABINE, doing business as Great Atlantic Laboratories, Boston, Mass. Filed Dec. 2, 1936.

Phillip's
OLIV-TONE

For Hair Tonics.
Claims use since Oct. 10, 1936.

Ser. No. 386,488. ALBERT F. GREENE, doing business as Regene Co., Buffalo, N. Y. Filed Dec. 8, 1936.

SILK-O-LAST

For Preparation for Preserving and Strengthening the Fabric of Both Real and Artificial Silk.
Claims use since Jan. 1, 1936.

Ser. No. 386,809. WILLIAM T. MARTIN, Sandusky, Ohio. Filed Dec. 16, 1936.

HAY-CA-JEL

The word "Jel" is disclaimed apart from the mark.
For Hay Fever Medicine.
Claims use since Aug. 1, 1936.

Ser. No. 387,185. HERCULES POWDER COMPANY, Wilmington, Del. Filed Dec. 28, 1936.

TERPOSOL

For High-Boiling, Substantially Colorless, Neutral, Non-Drying, Non-Volatile Liquid, Which is Used Principally as a Solvent and Plasticizer for Cellulose Esters and in Cellulose Ester Plastics.
Claims use since Oct. 29, 1936.

Ser. No. 387,711. JOHN B. ROSEFIELD, doing business as An-Fo Manufacturing Co., Oakland, Calif. Filed Jan. 12, 1937.

ANT HOUSE

For Insect Poisons.
Claims use since Dec. 21, 1936.

Ser. No. 388,025. BEBE RYBERG, San Francisco, Calif. Filed Jan. 21, 1937.

FORMULA
47

The word "Formula" is disclaimed apart from the mark as shown.
For Hair Tonic.
Claims use since Oct. 1, 1936.

Ser. No. 388,112. B. L. CORLEY, San Francisco, Calif. Filed Jan. 23, 1937.

Dr. Corley's
COR-LAX

For Herbal Laxative and Tonic Compound.
Claims use since July, 1934.

Ser. No. 388,424. THE WOOD RIDGE MANUFACTURING CO. INC., Wood Ridge, N. J. Filed Feb. 1, 1937.



For Mercurial Salts, U. S. P., C. P., and Reagent, Corrosive Sublimate Powdered and Granular, Calomel, Calomel Sublimate Mixture, Yellow Oxide of Mercury, Red Oxide of Mercury, Mercuric Acetate, Ammoniated Mercury Bichloride, Mercuric Iodide Red, Mercury Sulfocyanate, Mercury Oxalate, Mercury Phenate, Mercury Oleate, Mercury Bromide, Mercury Nitrates, Mercury.
Claims use since December, 1934.

Ser. No. 388,622. LENA WERSHOW, doing business as Lenirv Products Co., New York, N. Y. Filed Feb. 6, 1937.

They Shall Not Pass

For Cough Syrup, Astringent Mouth Wash, Cold Tablets, Preparation for Preventing Venereal Diseases.
Claims use since Jan. 20, 1937.

Ser. No. 388,631. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Feb. 8, 1937.

STRAMID

For Chemotherapeutic Agent for Streptococcic and Staphylococcic Infections.
Claims use since Jan. 15, 1937.

Ser. No. 388,632. AMERICAN ZINC SALES COMPANY, St. Louis, Mo. Filed Feb. 8, 1937.

AZO
CITROX

For Zinc Oxide For Use in Spraying or Dusting Compounds.
Claims use since Jan. 12, 1937.

Ser. No. 388,676. GREAT WESTERN ELECTRO-CHEMICAL COMPANY, San Francisco, Calif. Filed Feb. 9, 1937.

BEAR

For Ammonium Sulfate, Ammonium Chloride, Caustic Soda, Caustic Potash, Flake Lye, Sodium Molybdate, Calcium Molybdate, Hydrochloric Acid, Chloride of Lime, Bleaching Powder, Sodium Hypochlorite, Liquid Chlorine, Ferric Chloride, Sulphur Dichloride, Zinc Hydrosulphite, Zinc Chloride, Zinc Ammonium Chloride, Diammonium Phosphate, Anhydrous Ammonia, Aqua Ammonia, Sulphur Dioxide, Sodium Ethyl Xanthate, Potassium Ethyl Xanthate, Potassium Metabisulfite, Potassium Butyl Xanthate, Sulphur Chloride, Potassium Secondary Butyl Xanthate, Potassium Amyl Xanthate, Pentasol Xanthate, Zinc Ethyl Xanthate, Copper Ethyl Xanthate, Iso-propyl Xanthates, Potassium Furfural Xanthate, Dichloromethane, Chloroform, Carbon Tetrachloride, Mixtures of Chloroform and Carbon Tetrachloride For Use in Fire Extinguishers.
Claims use since Jan. 1, 1917.

Ser. No. 388,677. GREAT WESTERN ELECTRO-CHEMICAL COMPANY, San Francisco, Calif. Filed Feb. 9, 1937.



BEAR BRAND

The word "Brand" is disclaimed apart from the mark.
For Ammonium Sulfate, Ammonium Chloride, Caustic Soda, Caustic Potash, Flake Lye, Sodium Molybdate, Calcium Molybdate, Hydrochloric Acid, Chloride of Lime, Bleaching Powder, Sodium Hypochlorite, Liquid Chlorine, Ferric Chloride, Sulphur Dichloride, Zinc Hydrosulphite, Zinc Chloride, Zinc Ammonium Chloride, Diammonium Phosphate, Anhydrous Ammonia, Aqua Ammonia, Sulphur Dioxide, Sodium Ethyl Xanthate, Potassium Ethyl Xanthate, Potassium Metabisulfite, Potassium Butyl Xanthate, Sulphur Chloride, Potassium Secondary Butyl Xanthate, Potassium Amyl Xanthate, Pentasol Xanthate, Zinc Ethyl Xanthate, Copper Ethyl Xanthate, Iso-propyl Xanthates, Potassium Furfuryl Xanthate, Dichloromethane, Chloroform, Carbon Tetrachloride, Mixtures of Chloroform and Carbon Tetrachloride For Use in Fire Extinguishers.
Claims use since Jan. 1, 1917.

Ser. No. 388,678. GREAT WESTERN ELECTRO-CHEMICAL COMPANY, San Francisco, Calif. Filed Feb. 9, 1937.

GREAT WESTERN

For Ammonium Sulfate, Ammonium Chloride, Caustic Soda, Caustic Potash, Flake Lye, Sodium Molybdate, Calcium Molybdate, Hydrochloric Acid, Chloride of Lime, Bleaching Powder, Sodium Hypochlorite, Liquid Chlorine, Ferric Chloride, Sulphur Dichloride, Zinc Hydrosulphite, Zinc Chloride, Zinc Ammonium Chloride, Diammonium Phosphate, Anhydrous Ammonia, Aqua Ammonia, Sulphur Dioxide, Sodium Ethyl Xanthate, Potassium Ethyl Xanthate, Potassium Metabisulfite, Potassium Butyl Xanthate, Sulphur Chloride, Potassium Secondary Butyl Xanthate, Potassium Amyl Xanthate, Pentasol Xanthate, Zinc Ethyl Xanthate, Copper Ethyl Xanthate, Iso-propyl Xanthates, Potassium Furfuryl Xanthate, Dichloromethane, Chloroform, Carbon Tetrachloride, Mixtures of Chloroform and Carbon Tetrachloride For Use in Fire Extinguishers.
Claims use since Jan. 1, 1917.

Ser. No. 388,688. E. R. SQUIBB & SONS, New York, N. Y. Filed Feb. 9, 1937.

EDRINONE

For Preparations for Nasal Administration.
Claims use since Feb. 2, 1937.

Ser. No. 388,722. PARFUMS CHARBERT, INC., New York, N. Y. Filed Feb. 10, 1937.

"1939"

For Perfume.
Claims use since Jan 25, 1937.

Ser. No. 388,724. PARK-WAY COSMETIC COMPANY, Minneapolis, Minn. Filed Feb. 10, 1937.

PARK-WAY

For Toilet Preparations—Namely, Scalp Oil, Mascara, Deodorant, Nail Cream, Eye Cream, Cleansing Cream, Eye Shadow, Toning Lotion, Acne Cream, Acne Lotion, Tissue Cream, Facial Oil, Creme Rouge, Facial Mask, Foundation Cream, and Hand Lotion.
Claims use since Jan. 10, 1937.

Ser. No. 388,774. CHARLES C. HASKELL & CO., INC., Richmond, Va. Filed Feb. 11, 1937.

BELBARB

For Sedative-Hypnotic Pharmaceutical Preparation in Tablet Form.
Claims use since Feb. 2, 1937.

Ser. No. 388,826. PHILIP BARTOLI, Philadelphia, Pa. Filed Feb. 12, 1937.

"ATREFYLIN"

For Medical Preparation for the Treatment of Acute Rheumatic Fever (Acute Articular Rheumatism).
Claims use since Feb. 9, 1937.

Ser. No. 388,827. IRVING BILLIG, New York, N. Y. Filed Feb. 12, 1937.

PAXIDE

For Liquids, Powders, Solids, and Gases Used in Spraying, Sprinkling, and Gassing Bugs, Worms, and All Types of Insects, in Order to Exterminate Them, by Spraying, Dusting, Gassing, and Otherwise Exterminating Them.
Claims use since Jan. 1, 1927.

Ser. No. 388,841. LANMAN & KEMP-BARCLAY & CO. INCORPORATED, New York, N. Y. Filed Feb. 12, 1937.



All words except "Dr. C. C. Bristol," "Dr. C. C. Bristol's", and "Lanman & Kemp-Barclay & Co. Incorporated" are disclaimed apart from the mark. The portrait is that of Dr. C. C. Bristol, deceased.
For Witch Hazel Salve or Ointment.
Claims use since Sept. 27, 1934.

Ser. No. 388,855. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J. Filed Feb. 12, 1937.

PARATAC

For Chemical Compound for Improving the Viscosity Temperature Relationship of Lubricating Oils.
Claims use since Jan. 27, 1937.

Ser. No. 389,014. ELJAY CORPORATION, Chicago, Ill. Filed Feb. 17, 1937.



For Aspirin Tablets.
Claims use since Dec. 21, 1936.

Ser. No. 389,130. JEAN JORDEAU, INC., South Orange, N. J. Filed Feb. 19, 1937.

CAMOUFLAGE

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, a Cream Compound for Covering Blemishes, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Feb. 10, 1937.

Ser. No. 389,317. HERCULES POWDER COMPANY, Wilmington, Del. Filed Feb. 24, 1937.

HERCOTA

For Liquid Preparation Used in Forming Emulsions for Treating Textiles and Leather.
Claims use since Feb. 1, 1937.

Ser. No. 389,402. BIOCHEMICAL PRODUCTS OF MEXICO, S. A., Mexico City, Mexico. Filed Feb. 26, 1937.

FOSFOCREOSOL

For Medicinal Preparation for the Respiratory Tract.
Claims use since Feb. 16, 1934.

Ser. No. 389,424. HERMAN MEYER, Astoria, N. Y. Filed Feb. 26, 1937.

IODOSTICK

For Iodine Preparation for Antiseptic Use.
Claims use since Feb. 15, 1937.

Ser. No. 389,616. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Mar. 3, 1937.

EVEREADY

Applicant is the owner of Reg. No. 135,757, dated Oct. 19, 1920.
For Compositions for Removing Sludge from Crankcases and Moving Parts of Automobile and Other Engines.
Claims use since Aug. 25, 1936.

CLASS 10

Fertilizers

Ser. No. 389,000. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va. Filed Feb. 16, 1937.



For Fertilizers.
Claims use since Aug. 4, 1935.

CLASS 11

Inks and Inking Materials

Ser. No. 389,306. COLUMBIA RIBBON & CARBON MFG. CO., INC., Glen Cove, N. Y. Filed Feb. 24, 1937.

Marathon

For Typewriter Ribbons and Carbon Papers.
Claims use since Feb. 19, 1936.

CLASS 12

Construction Materials

Ser. No. 374,725. ED R. MAYER, Amarillo, Tex. Filed Feb. 11, 1936.



For Manufactured Brick and Manufactured Concrete and Similar Building Material for Use on the Interior and Exterior Walls of Buildings.
Claims use since Oct. 29, 1935.

Ser. No. 387,389. MONARCH METAL WEATHERSTRIP CORPORATION, St. Louis, Mo. Filed Jan. 2, 1937.

METALANE

For Metal Weatherstrips.
Claims use since Aug. 30, 1935.

Ser. No. 389,005. AMERICAN ABRASIVE METALS COMPANY, New York, N. Y. Filed Feb. 17, 1937.

ENAMALUN

For Cast Metal Articles Having a Surface Layer of Hard Granular Mineral Elements—Namely, Stair Treads, Elevator Door Sills, and Door Saddles, and Other Anti-Slip Walkway Surfaces.
Claims use since Oct. 6, 1936.

Ser. No. 389,006. AMERICAN ABRASIVE METALS COMPANY, New York, N. Y. Filed Feb. 17, 1937.

PORCALUN

For Cast Metal Articles Having a Surface Layer of Hard Granular Mineral Elements—Namely, Stair Treads, Elevator Door Sills, and Door Saddles, and Other Anti-Slip Walkway Surfaces.
Claims use since Oct. 6, 1936.

Ser. No. 389,203. TEXAS GULF SULPHUR COMPANY, New York, N. Y. Filed Feb. 20, 1937.

SULMOR

For Sulphur Asphalt Compounds To Be Used in the Compounding of Cement.
Claims use since Sept. 14, 1936.

Ser. No. 389,278. VERMONT MARBLE COMPANY, Proctor, Vt. Filed Feb. 23, 1937.

MARKWA

For Marble Tile.
Claims use since Jan. 25, 1937.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 378,455. SPONGE RUBBER PRODUCTS CO., Derby, Conn. Filed May 14, 1936.

SHUSH

For Resilient Sealing Rings for Toilet Seats.
Claims use since Mar. 26, 1936.

Ser. No. 381,841. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill. Filed Aug. 5, 1936.

ADDA-DRAWER

For Assortments of Accessories—Namely, Couplings, Valves, Cocks, Flexible Metal Charging, Gas, Oil, Grease, and Vacuum Lines and Fittings Therefor, Packed for Sale and for Display in Drawer Cabinets.
Claims use since May 1, 1936.

Ser. No. 387,760. THE WASHBURN COMPANY, Worcester, Mass. Filed Jan. 13, 1937.



The words "The Handle Fits the Hand" are disclaimed apart from the mark.
For Sieves, Strainers, Metal Soap Dishes, Soap Savers, and Wall Soap Holders.
Claims use since May 1, 1935.

Ser. No. 387,827. GOSHI-KAISHA NIPPON DOOR-CHECK SEISAKUSHO, Osaka, Japan. Filed Jan. 15, 1937.

NEWS

For Door Checks and Floor Hinges.
Claims use since Jan. 16, 1928.

Ser. No. 388,275. MORSE, LOCKHART & MORSE, INC., Boston, Mass. Filed Jan. 28, 1937.

FIROMATIC

For Fuel Control Valves.
Claims use since July, 1931.

Ser. No. 389,449. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Feb. 27, 1937.

ENVOY

For Toilet Seats.
Claims use since July 12, 1934.

Ser. No. 389,450. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Feb. 27, 1937.

MONARCH

For Toilet Seats.
Claims use since Oct. 24, 1924.

CLASS 15

Oils and Greases

Ser. No. 385,321. THE WHITMORE MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 9, 1936.

WHITMORE'S PRESSURE-PROOF LUBRICANTS SUPER E P

No claim is made to "Lubricants, Super E. P., Pressure-Proof" except as shown.
For Lubricating Oil and Grease Compounds.
Claims use since Oct. 20, 1936.

Ser. No. 388,470. SUN OIL COMPANY, Philadelphia, Pa. Filed Feb. 2, 1937.

SUNHEAT FURNACE OILS

The words "Furnace Oils" are disclaimed apart from the mark as shown.
For Fuel Oils.
Claims use since July 15, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 389,725. E. L. AND J. F. DENNEHY, INC., Brockton, Mass., and Johnson City, N. Y. Filed Mar. 6, 1937.

DAYSHINE

For Floor Wax.
Claims use since Nov. 7, 1934.

CLASS 17

Tobacco Products

Ser. No. 387,673. METROPOLITAN CIGAR CORPORATION, Chicago, Ill. Filed Jan. 11, 1937.

HOYO DE CUBA

Applicant is the owner of expired Reg. No. 92,131.
For Cigars.
Claims use since May 30, 1912.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 381,957. AUTOMATIC ELECTRIC COMPANY, Chicago, Ill. Filed Aug. 10, 1936.



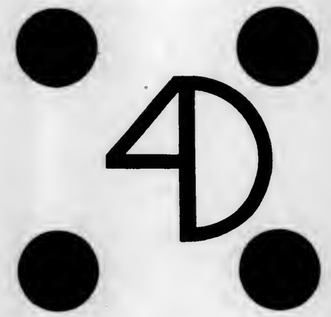
For Telephone Systems, Telephone Equipment, and Parts Thereof.
Claims use since July 23, 1936.

Ser. No. 387,519. WALTER SPEIGEL, New York, N. Y. Filed Jan. 6, 1937.

Transfone

For Inter-Office Radio-Telephone Communication System.
Claims use since Jan. 1, 1936.

Ser. No. 388,129. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill. Filed Jan. 25, 1937.



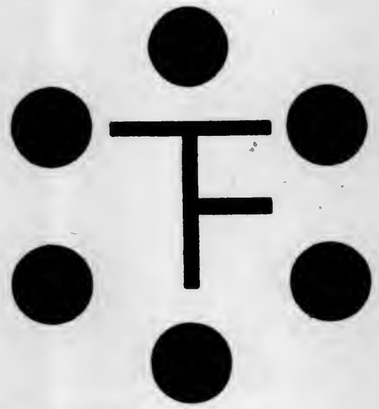
For Electric Contacts.
Claims use since Sept. 2, 1936.

Ser. No. 388,130. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill. Filed Jan. 25, 1937.



For Electric Contacts.
Claims use since Sept. 2, 1936.

Ser. No. 388,131. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill. Filed Jan. 25, 1937.



For Electric Contacts.
Claims use since Sept. 2, 1936.

Ser. No. 388,138. LAKE MANUFACTURING COMPANY, INC., Oakland, Calif. Filed Jan. 25, 1937.

VOYCALL

For Electrical Telephone Power Amplified Loud Speaker Two-Way Communication Systems.
Claims use since Aug. 15, 1936.

Ser. No. 388,254. AKRON BRASS MANUFACTURING COMPANY, INCORPORATED, Wooster, Ohio. Filed Jan. 28, 1937.

AKR-O-LITE

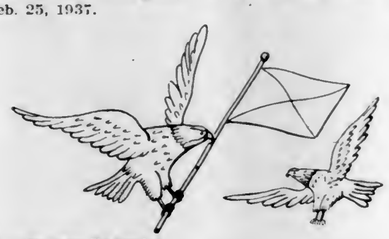
The representation of a part of the goods is disclaimed apart from the mark as shown.
For Electric Signal Lamps.
Claims use since Jan. 16, 1937.

Ser. No. 388,526. THE B-L ELECTRIC MANUFACTURING CO., St. Louis, Mo. Filed Feb. 4, 1937.

RECTOPAC

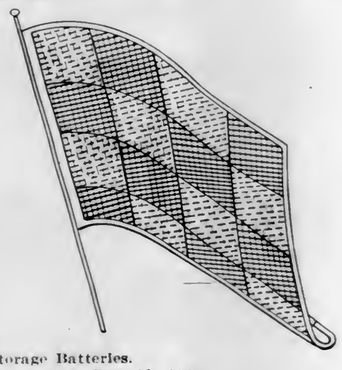
For Apparatus for Rectifying Electric Current.
Claims use since March, 1931.

Ser. No. 389,352. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Wilmington, Del., and Akron, Ohio. Filed Feb. 25, 1937.



For Storage Batteries.
Claims use since Sept. 23, 1936.

Ser. No. 389,353. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Wilmington, Del., and Akron, Ohio. Filed Feb. 25, 1937.



For Storage Batteries.
Claims use since Dec. 19, 1934.

Ser. No. 389,355. THE GOODYEAR TIRE & RUBBER COMPANY, INC., Wilmington, Del., and Akron, Ohio. Filed Feb. 25, 1937.

STRONGPATH

For Storage Batteries.
Claims use since Sept. 23, 1936.

Ser. No. 389,387. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C. Filed Feb. 25, 1937.

SOUTHERN

For Ignition Cable, Ignition Wire, and Friction Tape.
Claims use since Apr. 1, 1935 on ignition cable and ignition wiring; May 1, 1936 on friction tape.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 384,574. WALGREEN CO., Chicago, Ill. Filed Oct. 19, 1936.

DIXONIA
Playing Cards

The words "Playing Cards" are disclaimed apart from the mark.
For Playing Cards.
Claims use since Oct. 10, 1936.

Ser. No. 388,402. GRAY E. MILLER, Pittsburgh, Pa. Filed Feb. 1, 1937.

HYPALEXA

For Toy Guns.
Claims use since Jan. 16, 1937.

Ser. No. 388,403. FERDINAND C. H. MÜLLER, Swanton, Ohio. Filed Feb. 1, 1937.

SPURT-O

For Playing Cards and for Games of the Parlor Type, Together with Boards and Equipment Used in Connection with Such Games.
Claims use since Jan. 16, 1937.

Ser. No. 389,040. SAUL R. SHAPIRO, Brooklyn, N. Y. Filed Feb. 17, 1937.

BUSHBLOX

For Toy Building Blocks.
Claims use since Nov. 16, 1936.

Ser. No. 390,019. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Mar. 13, 1937.

Mustang

For Artificial Fish Bait.
Claims use since Feb. 15, 1937.

Ser. No. 390,044. THE CHECARD COMPANY, Minneapolis, Minn. Filed Mar. 15, 1937.

QUICK SILVER

For Games Played with Playing Cards, Counters, and Score Cards.
Claims use since Feb. 20, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 377,742. KAY-BRUNNER STEEL PRODUCTS INC., Alhambra, Calif. Filed Apr. 28, 1936.

K-B MASTER

For Machines for Forming, Grading, Ripping, and Otherwise Working Roads, Hydraulic Pumps, and Hoists.
Claims use since Feb. 1, 1935.

Ser. No. 382,987. MICROMATIC HONE CORPORATION, Detroit, Mich. Filed Sept. 4, 1936.

HYDR-O-WRENCH

The word "Wrench" is disclaimed apart from the mark as shown.
For Apparatus for Tightening Bolts or the Like.
Claims use since Jan. 26, 1934.

Ser. No. 382,989. MICROMATIC HONE CORPORATION, Detroit, Mich. Filed Sept. 4, 1936.

MICROHONE

For Hone for Grinding Cylinder Walls.
Claims use since Dec. 29, 1933.

Ser. No. 382,991. MICROMATIC HONE CORPORATION, Detroit, Mich. Filed Sept. 4, 1936.

RIDOGRIT

For Apparatus for Collecting and Separating Grit, Dirt, Dust, and Grindings from Air.
Claims use since Dec. 29, 1933.

Ser. No. 383,793. J. H. WILLIAMS & CO., Buffalo, N. Y. Filed Sept. 29, 1936.

SUPERHANDLE

The word "Handle" is disclaimed other than as a part of the mark shown.
For Tool Handles for Tongs, Vises, Wrenches, and Tool Handles, Such as Balance, Crank, and Machine Handles.
Claims use since Sept. 3, 1936.

Ser. No. 385,352. THE P. A. GEIER COMPANY, Cleveland, Ohio. Filed Nov. 10, 1936.

ROYAL

For Floor Polishers and Floor Polisher Attachments for Suction Cleaners.
Claims use since August, 1933, on floor polishers, and since February, 1926, on floor polisher attachments.

Ser. No. 386,897. HEPWORTH & GRANDAGE LIMITED, Bradford, England. Filed Dec. 18, 1936.

VACRIT

For Cylinder Liners and Valve Seatings for Internal Combustion Engines.
Claims use since August, 1932.

Ser. No. 386,920. WILLIAM WISHINSKY, New York, N. Y. Filed Dec. 18, 1936.

VEG-O-MAT

For Fruit and Vegetable Juice Extracting Machines.
Claims use since June 15, 1936.

Ser. No. 387,423. VON SCHRADER MANUFACTURING COMPANY, Racine, Wis. Filed Jan. 2, 1937.

DETERGER

For Cleaning Machines for Washing Upholstered Furniture and Moth Proofing Upholstery, Rugs, and All Fabrics.
Claims use since Oct. 15, 1936.

Ser. No. 387,919. JOSEPH G. PRETTI, Oakland, Calif. Filed Jan. 18, 1937.

DESOGAS

For Fuel Oil Gassifier for Internal Combustion Motors.
Claims use since Mar. 1, 1935.

CLASS 24

Laundry Appliances and Machines

Ser. No. 388,761. THE BREWER-TITCHENER CORPORATION, Cortland, N. Y. Filed Feb. 11, 1937.

BTC

For Ironing Boards.
Claims use since July, 1935.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 371,770. GUSTAV FRIEDRICH GERDTS, Bremen, Germany. Filed Nov. 20, 1935.

Vaposkop

For Sight Indicator for Use in Connection with Condensers, Steam Separators, Steam Traps, and the Like, to Show the Condition of Return Flow of Condensate, in Its Relation to Steam or Other Vapors, Loss of Steam, Freedom of Flow, and the Like.
Claims use since Nov. 9, 1933.

Ser. No. 382,985. MICROMATIC HONE CORPORATION, Detroit, Mich. Filed Sept. 4, 1936.

ALINEOGAGE

For Apparatus for Aligning Blocks to be Machined.
Claims use since Jan. 26, 1934.

Ser. No. 383,393. KOH-I-NOOR BLEISTIFTFABRIK L. & C. HARDTMUTH, Budweis, Czechoslovakia. Filed Sept. 18, 1936.

Aristochrom

For Photographic Developing Kit Comprising Chemicals, Lacquers, Brushes, Pastes, Etc.
Claims use since Nov. 8, 1935.

Ser. No. 385,594. MASON-NEILAN REGULATOR COMPANY, Boston, Mass. Filed Nov. 16, 1936.

Syncroflo

For Indicating Liquid Level Controllers and Pressure Controllers.
Claims use since Oct. 30, 1936.

Ser. No. 386,040. MASON-NEILAN REGULATOR COMPANY, Boston, Mass. Filed Nov. 27, 1936.

Syncrotrol

For Pressure, Temperature, and Flow Control Instruments—Namely, Indicating Pressure Controllers, Indicating Temperature Controllers, Indicating Flow Controllers, Indicating Level Controllers, Recording Pressure Controllers, Recording Temperature Controllers, Recording Flow Controllers, Recording Level Controllers.
Claims use since Nov. 23, 1936.

Ser. No. 389,202. UNIVERSAL CAMERA CORPORATION, New York, N. Y. Filed Feb. 20, 1937.

Aristocrat

For Cameras.
Claims use since Oct. 21, 1936.

CLASS 27

Horological Instruments

Ser. No. 387,846. MAX WEISS, New York, N. Y. Filed Jan. 15, 1937.

YEARMARK

For Watches, Watch Cases, Watch Movements.
Claims use since January, 1907.

Ser. No. 388,146. H. SEGAL, New York, N. Y. Filed Jan. 25, 1937.

VITAL-FORCE

For Watch Mainsprings.
Claims use since Jan. 1, 1937.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 388,207. SELLE JEWELRY COMPANY, St. Louis, Mo. Filed Jan. 26, 1937.

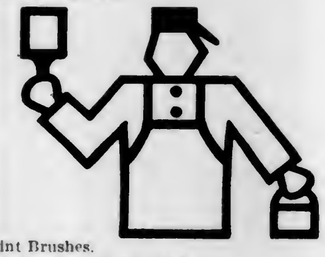
Selle
THE HOME OF 58 FACET DIAMONDS

The words "The Home of 58 Facet Diamonds" are disclaimed apart from the mark shown.
For Diamond Rings, Bracelets, Pins, and Other Diamond Jewelry Not Including Watches.
Claims use since Sept. 10, 1927.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 388,539. GERTS LUMBARD AND COMPANY, Chicago, Ill. Filed Feb. 4, 1937.



For Paint Brushes.
Claims use since Dec. 20, 1936.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 388,639. GENERAL MILLS, INC., Minneapolis, Minn. Filed Feb. 8, 1937.

ROMANY

For Earthenware, Particularly Mugs, Baking Dishes, Sugar Bowls, Tea Cups, and Salt Cellars.
Claims use since Jan. 25, 1937.

CLASS 31

Filters and Refrigerators

Ser. No. 388,136. GIBSON ELECTRIC REFRIGERATOR CORPORATION, Greenville, Mich. Filed Jan. 25, 1937.

GIBSON GUARDIAN

For Refrigerators.
Claims use since Jan. 19, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 374,624. MORRIS LIPPS, doing business as Greater New York Bedding Co., New York, N. Y. Filed Feb. 8, 1936.

STUDIO DE-LUXE STUDIO

The representation of the label and the word "Studio" are disclaimed except as shown.
For Couches and Day Beds.
Claims use since February, 1935.

Ser. No. 388,453. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md. Filed Feb. 2, 1937.

SILVER CLOUD

For Cotton Mattresses, Cotton Felt Mattresses, Hair Mattresses, Lamb's Wool Mattresses, Mattresses With Innerspring Center, Cushions, Studio Couches, Box Springs, and Pillows.
Claims use since Jan. 1, 1932.

Ser. No. 388,454. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md. Filed Feb. 2, 1937.

NEW WHITE CLOUD

The word "New" is disclaimed apart from the mark as shown.
For Cotton Mattresses, Cotton Felt Mattresses, Hair Mattresses, Lamb's Wool Mattresses, Mattresses With Innerspring Center, Cushions, Studio Couches, Box Springs, and Pillows.
Claims use since Nov. 1, 1932.

Ser. No. 389,404. CAREY-MCFALL CO., Philadelphia, Pa. Filed Feb. 26, 1937.

Betsy Ross
VENETIAN BLINDS

The words "Venetian Blinds" are disclaimed apart from the mark.
For Venetian Blinds.
Claims use since Feb. 5, 1937.

Ser. No. 389,455. CAREY-MCFALL CO., Philadelphia, Pa. Filed Feb. 27, 1937.

VIKING

For Venetian Blinds.
Claims use since Dec. 1, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 378,027. PAUL M. LUKOMSKE, Stratfield, Bridgeport, Conn. Filed May 5, 1936.

OIL-ECO

The word "Oil" is disclaimed apart from the mark.
For Oil, Gas, or Coal Furnaces.
Claims use since Dec. 13, 1935.

Ser. No. 379,419. PAUL DICKINSON, INC., Chicago, Ill. Filed June 8, 1936.

FERROCAST

For Smoke Jacks for Buildings and Railroad Cars, Theatre Mushroom Ventilators, and Blast Plate Deflectors and Ventilators.
Claims use since Jan. 1, 1935.

Ser. No. 382,376. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa. Filed Aug. 20, 1936.

TEMP-AIR-ATOR

For Air Conditioning Units.
Claims use since Aug. 17, 1936.

Ser. No. 388,529. BURGESS BATTERY COMPANY, Madison, Wis. Filed Feb. 4, 1937.

ACOUSTI-VENT

For Air-Distributing Apparatus for Draftless Ventilating Systems of the Perforated Acoustic Wall or Ceiling Type.
Claims use since Dec. 24, 1936.

Ser. No. 389,276. TRIPLEWEAR BRAKE LININGS CORPORATION, Paterson, N. J. Filed Feb. 23, 1937.

FLAMEMASTER

For Wicks for Liquid Fuel Burners.
Claims use since Jan. 14, 1937.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 388,044. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Jan. 22, 1937.



The words "Lug Grip", "Tire", "Sure Traction in Mud and Snow", and the representation of the label per se are disclaimed apart from the mark shown on the drawing and no claim is made to "Made in U. S. A. 6-Ply; 5.50/5.25–17; Use no Flap with Drop Center Rim".
For Rubber Tires.
Claims use since Feb. 10, 1936.

Ser. No. 388,542. RITE-WAY PRODUCTS, INC., Memphis, Tenn. Filed Feb. 4, 1937.

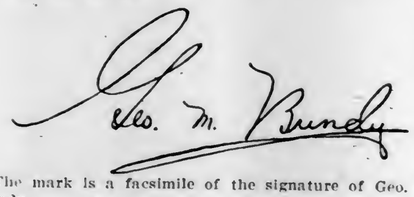


For Vulcanizing Patches for Rubber Tires and Repair Kits Containing Patches and Heating Units for Applying the Same.
Claims use since May 16, 1935.

CLASS 36

Musical Instruments and Supplies

Ser. No. 388,333. H. & A. SELMER INC., Elkhart, Ind. Filed Jan. 29, 1937.



The mark is a facsimile of the signature of Geo. M. Bundy.
For Saxophones, Clarinets, Trumpets, Trombones, Cornets, Baritones, Euphoniums, Basses, Flutes, Piccolos, French Horns, Mellophones, Alto Horns, Circular Altos, Saxophone Accessories, Clarinet Accessories, Brass Instrument Accessories, Reeds, and Mouthpieces.
Claims use since Dec. 1, 1928.

CLASS 37

Paper and Stationery

Ser. No. 379,120. MENASHA PRODUCTS COMPANY, Menasha, Wis. Filed June 1, 1936.



For Waxed Paper in Sheet Form Not Used as Wrapping Paper.
Claims use since May 23, 1936.

Ser. No. 388,662. STEVENS & THOMPSON PAPER COMPANY, New York, N. Y. Filed Feb. 8, 1937.

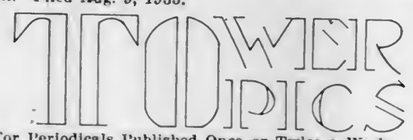


The words "5 ounces" and "Toilet Tissue" are disclaimed apart from the mark shown.
For Toilet Paper.
Claims use since May 24, 1926.

CLASS 38

Prints and Publications

Ser. No. 368,160. THE UNIVERSITY OF CHICAGO, Chicago, Ill. Filed Aug. 9, 1935.



For Periodicals Published Once or Twice a Week.
Claims use since Apr. 10, 1933.

Ser. No. 385,216. COUNTRY PRESS, INC., Greenwich, Conn. Filed Nov. 6, 1936.



For Magazines Published Every Month.
Claims use since Oct. 30, 1936.

Ser. No. 388,023. PAYSON PUBLISHING, INC., New York, N. Y. Filed Jan. 21, 1937.

The Commentator

For Magazines.
Claims use since Jan. 18, 1937.

Ser. No. 388,432. J. MCKEEN CATTELL, doing business as The Science Press, New York, N. Y. Filed Feb. 2, 1937.

THE PROGRESS OF SCIENCE

For Section in a Magazine.
Claims use since June, 1900.

Ser. No. 388,441. FINANCIAL GUIDE PUBLISHING CORPORATION, New York, N. Y. Filed Feb. 2, 1937.

Waldo Young Says—

For Newspaper Column.
Claims use since May, 1929.

Ser. No. 389,234. COLOUR PHOTOGRAPHS (BRITISH & FOREIGN) LIMITED, London, England. Filed Feb. 23, 1937.

VIVEX

For Photographs, Especially Natural Coloured Photographs, and Photo-Mechanical Reproductions of the Same.
Claims use since April, 1931.

Ser. No. 389,394. GLOBE MAGAZINES, INC., St. Paul, Minn. Filed Feb. 25, 1937.

globe

For Monthly Magazine.
Claims use since Nov. 1, 1936.

Ser. No. 389,559. C. D. HUDSON, doing business as Places Publishing Associates, Washington, D. C. Filed Mar. 2, 1937.

Places

For Periodical.
Claims use since Feb. 10, 1937.

CLASS 39

Clothing

Ser. No. 360,254. M. L. VICTORIUS & CO., INC., New York, N. Y. Filed Jan. 14, 1935.

CUSHION-BILT

The word "Cushion" is disclaimed apart from the mark shown.
For Hosiery.
Claims use since Dec. 2, 1934.

Ser. No. 378,740. A. DAVIS & SONS, INC., New York, N. Y. Filed May 22, 1936.

SUPER-TAILORED

The word "Tailored" is disclaimed apart from the mark.
For Women's and Misses' Coats and Suits.
Claims use since September, 1932.

Ser. No. 387,244. ALEXANDER S. GROSS, INC., New York, N. Y. Filed Dec. 29, 1936.



For Ladies' Dresses or Frocks, Suits, and Coats.
Claims use since Dec. 12, 1936.

Ser. No. 387,270. DUBE & REINGOLD, INC., New York, N. Y. Filed Dec. 30, 1936.

GABASPUN

For Men's, Women's, and Children's Raincoats and Waterproof Suits.
Claims use since Sept. 1, 1936.

Ser. No. 387,505. I. C. ISAACS & COMPANY, INC., Baltimore, Md. Filed Jan. 6, 1937.



SWISS CORD

The words "Swiss Cord" are disclaimed apart from the mark.
For Ski, Skating, and Sport Jackets, Pants, and Skirts for Men, Women, and Children.
Claims use since Jan. 30, 1935.

Ser. No. 388,061. THE R. M. HAY COMPANY, Stamford, Conn. Filed Jan. 22, 1937.

HAYCO

For Babies' Dresses.
Claims use since August, 1936.

Ser. No. 388,301. ANTHONY BROTHERS, San Francisco, Calif. Filed Jan. 29, 1937.

Jaddy Togs

The word "Togs" is disclaimed apart from the mark.
For Women's and Children's Sport Suits, Coats, Dresses, Slacks, Jackets, and Skirts.
Claims use since Oct. 1, 1936.

Ser. No. 388,313. THE DRYBAK CORPORATION, Binghamton, N. Y. Filed Jan. 29, 1937.

MADE BY DRYBAK Workwear BRAND

The words "Made by", "Workwear", "Brand" are disclaimed apart from the mark.
For Work Pants, Breeches, Blouses and Jackets, and Work Coats for Men and Boys.
Claims use since Jan. 11, 1937.

Ser. No. 388,550. STRATFORD KNITTING MILLS, INCORPORATED, Linfield, Pa. Filed Feb. 4, 1937.

Lazie-Jane

For Knitted Bed Jackets and Pajamas.
Claims use since Sept. 9, 1935.

Ser. No. 388,770. DUBE & REINGOLD, INC., New York, N. Y. Filed Feb. 11, 1937.

STORMASTER

For Men's, Women's, and Children's Raincoats and Waterproof Suits.
Claims use since Nov. 1, 1936.

Ser. No. 388,775. HERBERT HOSIERY MILLS, INC., Norristown, Pa. Filed Feb. 11, 1937.

Trulastic

For Hosiery for Men, Women, and Children.
Claims use since Oct. 12, 1936.

Ser. No. 388,786. FRANK LEVINSOHN & BROS. INC., New York, N. Y. Filed Feb. 11, 1937.

LLAMA-TEX FABRIC

The words "Llama" and "Fabric" are disclaimed apart from the mark.
For Men's and Women's Coats and Suits.
Claims use since Oct. 21, 1936.

Ser. No. 388,842. FRANK LEVINSOHN & BROS. INC., New York, N. Y. Filed Feb. 12, 1937.

GORGY

For Men's and Women's Coats and Suits.
Claims use since Oct. 18, 1936.

Ser. No. 388,985. KAUFMAN-HERSTONE, INC., New York, N. Y. Filed Feb. 16, 1937.

RoyaLustra

For Misses' and Ladies' Coats and Suits.
Claims use since Feb. 10, 1937.

Ser. No. 389,034. PAUL MFG. CO., Framingham, Mass. Filed Feb. 17, 1937.

Palmo

For Aprons and House Dresses.
Claims use since Feb. 9, 1937.

Ser. No. 389,168. CABLE RAINCOAT COMPANY, Boston, Mass. Filed Feb. 20, 1937.

POLICE TRAFFIC

For Waterproof Outer Garments—Namely, Children's Rain Coats.
Claims use since Dec. 11, 1935.

Ser. No. 389,182. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Feb. 20, 1937.

PRO-SOCK

The word "Sock" is disclaimed apart from the mark.
For Hosiery.
Claims use since July 1, 1933.

Ser. No. 389,199. C. B. SHANE CORPORATION, Chicago, Ill. Filed Feb. 20, 1937.

Two Timer

For Men's Overcoats and Top Coats.
Claims use since Feb. 18, 1937.

Ser. No. 389,395. P & Q SHOPS INC., New York, N. Y. Filed Feb. 25, 1937.

P&Q

For Men's Suits and Overcoats.
Claims use since Aug. 1, 1912.

Ser. No. 389,505. MAX DUNN, Philadelphia, Pa. Filed Mar. 1, 1937.

British Lady

For Ladies' and Misses' Dresses and Blouses.
Claims use since Oct. 1, 1936.

Ser. No. 389,778. EAGLE CLOTHES, New York, N. Y. Filed Mar. 8, 1937.

EAGLE CLOTHES

The word "Clothes" is disclaimed apart from the mark.
For Men's Clothing—Namely, Overcoats, Topcoats, and Suits.
Claims use since Feb. 24, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 387,295. S. STROOCK & CO. INC., New York, N. Y. Filed Dec. 30, 1936.

BONAIRE

For Woven Cloth Composed of a Mixture of Animal Fibres in the Piece.
Claims use since Nov. 13, 1936.

Ser. No. 387,947. LINCOLN FABRICS, INC., New York, N. Y. Filed Jan. 19, 1937.

PEPPY POPLIN Styled for Youth

The words "Poplin" and "Styled for Youth" are disclaimed apart from the mark.
For Cotton Cloth in the Piece Used in the Manufacture of Dresses.
Claims use since Sept. 15, 1936.

Ser. No. 388,553. THE TAYLOR-FRIEDSAM COMPANY, New York, N. Y. Filed Feb. 4, 1937.

Zig-Zag

For Belting Made of Silk, Rayon, Cotton and Mixtures Thereof.
Claims use since Jan. 8, 1937.

Ser. No. 388,873. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 13, 1937.

GOLDENROD

For Window Curtains.
Claims use since Feb. 1, 1936.

Ser. No. 388,913. CHOPAK TEXTILE CO. INC., New York, N. Y. Filed Feb. 15, 1937.

CHARMGLOW

For Plain and Printed Rayon and Acetate Cloth in the Piece.
Claims use since June 10, 1936.

Ser. No. 389,055. CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed Feb. 18, 1937.

NAPELLO

For Knitted and Woven Woolen and Worsted Cloths, Jersey Cloths, Elderdowns, Chinchillas and Special Knitted Fabrics Having Pile or Surface, in the Piece.
Claims use since Oct. 2, 1931.

CLASS 43

Thread and Yarn

Ser. No. 389,115. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 19, 1937.

ODD - AND - EVEN

For Yarns.
Claims use since Feb. 17, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 388,284. W. O. SOMMERS, INC., Chicago, Ill. Filed Jan. 28, 1937.

BAR MIX

The word "Mix" is disclaimed apart from the mark shown.
For Non-Alcoholic Fruit Flavored Syrup Used in Mixing Alcoholic and Non-Alcoholic Drinks.
Claims use since May 15, 1936.

Ser. No. 388,933. GENERAL BEVERAGE CORP., Springfield, Mass. Filed Feb. 15, 1937.



The word "Soda" and the representation of the goods are disclaimed apart from the mark.
For Non-Alcoholic Beverages.
Claims use since June 17, 1936.

Ser. No. 388,971. APEX BEVERAGE CO., Pittsburgh, Pa. Filed Feb. 16, 1937.

Park Drive

For Nonalcoholic, Carbonated Beverages.
Claims use since Jan. 11, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 361,706. THE JOHN G. PATON COMPANY, INC., New York, N. Y. Filed Feb. 23, 1935.



The word "Honey" is disclaimed apart from the mark.
For Honey.
Claims use since Feb. 8, 1935.

Ser. No. 367,141. THE BLOOM-ROSENBLUM-KLEIN COMPANY, Youngstown, Ohio. Filed July 10, 1935.



For Wheat Flour.
Claims use since Feb. 1, 1935.

Ser. No. 372,057. HALL PACKING COMPANY, Sanger and El Centro, Calif. Filed Nov. 27, 1935.



The picture is fanciful.
For Fresh Deciduous Fruits and Fresh Grapes.
Claims use since June 20, 1935.

Ser. No. 373,508. THE TOURAINE COMPANY, Cambridge, Mass., assignor to The Smack Corporation, of New York, N. Y. Filed Jan. 9, 1936.

Smak
ROLL

The word "Roll" is disclaimed apart from the mark shown.
For Frozen Confections.
Claims use since Dec. 2, 1935.

Ser. No. 374,442. TERRA BELLA CITRUS ASSN., Terra Bella, Calif. Filed Feb. 3, 1936.



The representations of a label and of an orange and the word "Oranges" are disclaimed apart from the mark.
For Fresh Citrus Fruits.
Claims use since September, 1935.

Ser. No. 374,856. SCHINDLER'S PEANUT PRODUCTS, INC., Washington, D. C. Filed Feb. 14, 1936.

WANTMOR

For Peanut Butter.
Claims use since Aug. 22, 1935.

Ser. No. 382,917. JOHN F. JELKE COMPANY, Chicago, Ill. Filed Sept. 4, 1936.

SMOKED

Link

The word "Smoked" is disclaimed apart from the mark.
For Cheese.
Claims use since July 1, 1936.

Ser. No. 383,664. LEONARD H. WELLS, Zanesville, Ohio. Filed Sept. 25, 1936.

Spic-Span

For Ground Meat Sandwiches.
Claims use since June 22, 1935.

Ser. No. 385,117. WEST INDIES PRODUCE CORP., New York, N. Y. Filed Nov. 3, 1936.



For Fruit Preserves.
Claims use since Aug. 18, 1935.

Ser. No. 385,542. SOUTHERN CALIF. POULTRY CO., Los Angeles, Calif. Filed Nov. 14, 1936.

ALTA

For Eggs, Live and Dressed Poultry and Turkeys.
Claims use since Oct. 20, 1936.

Ser. No. 386,316. PENICK & FORD, LTD. INCORPORATED, New York, N. Y., and New Orleans, La. Filed Dec. 4, 1936.

PICKANINNY

For Molasses.
Claims use since 1912.

Ser. No. 386,335. PAULINE N. BATTIN, doing business as The Battin Co., College Point, N. Y. Filed Dec. 5, 1936.

DEXTRA

For Cooking Ingredients for Enriching, Thickening, or Browning Gravies, Soups, and the Like, Particularly Dextrine-Containing Ingredients for Such Uses.
Claims use since Oct. 25, 1936.

Ser. No. 386,554. NUTRO FOOD PRODUCTS COMPANY, Newark, N. J. Filed Dec. 9, 1936.

RICOMALT

For Chocolate Flavored Malt Preparation to be Used in Making a Food Beverage.
Claims use since Nov. 5, 1936.

Ser. No. 387,195. FOREST J. MAYNARD, doing business as Forest J. Maynard Co., San Francisco, Calif. Filed Dec. 28, 1936.

DONNA LOU

For Canned Fruits, Canned Vegetables.
Claims use since Dec. 8, 1936.

Ser. No. 387,381. A. LEVIN & CO., Los Angeles, Calif. Filed Jan. 2, 1937.

TOP CROP

For Fresh Citrus and Deciduous Fruits, Vegetables, and Melons.
Claims use since Dec. 11, 1936.

Ser. No. 387,703. FYNAUT & POPEK, New York, N. Y. Filed Jan. 12, 1937.

CHICORÉE DE BRUXELLES - ENDIVES -

The words "Chicorée de Bruxelles" and "Endives" are disclaimed apart from the mark.
For Fresh Endives.
Claims use since Jan. 10, 1930.

Ser. No. 387,753. PIG 'N WHISTLE MANAGEMENT CORPORATION, Atlanta, Ga. Filed Jan. 13, 1937.

Pig'n Whistle

For Coffee, Meats—Namely, Barbequed Pork, Beef, and Mutton, Bread, Sandwiches, Barbeque Sauces, and Packaged Stews.
Claims use since 1928.

Ser. No. 387,813. BARTHOLD MICHELS' SON CO. INC., New York, N. Y. Filed Jan. 15, 1937.

CHEESE CROCK-ETTS

The word "Cheese" is disclaimed apart from the mark as shown.
For Cheese, Cheese Mixed with Wine, and Cheese Mixed with Liquors.
Claims use since Nov. 30, 1934.

Ser. No. 388,253. MEADOW BROOK CANDY CO., Moline, Ill. Filed Jan. 29, 1937.

Meadow Brook

For Candy.
Claims use since March, 1915.

Ser. No. 388,299. ALBERS BROS. MILLING CO., Portland, Oreg.; San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Calif., and Seattle, Tacoma, and Spokane, Wash. Filed Jan. 29, 1937.

SIMILENE

For Stock and Poultry Feeds.
Claims use since Jan. 21, 1937.

Ser. No. 388,392. C. I. & M. DINGFELDER, New York, N. Y. Filed Feb. 1, 1937.

GOLDEN COCKEREL

For Fresh Vegetables.
Claims use since Jan. 1, 1932.

Ser. No. 388,398. LOUISIANA STATE RICE MILLING COMPANY, INC., Abbeville, La. Filed Feb. 1, 1937.

TYCOON



For Rice.
Claims use since September, 1935.

Ser. No. 388,528. THE BORDEN COMPANY, New York, N. Y. Filed Feb. 4, 1937.

RED-CREST

For Shell Eggs.
Claims use since Dec. 30, 1936.

Ser. No. 388,581. JOE LOWE CORPORATION, New York, N. Y. Filed Feb. 5, 1937.

TWIN-NIKL

For Frozen Confections.
Claims use since Jan. 27, 1937.

Ser. No. 388,874. SOCIETE MENIER, Paris, France. Filed Feb. 13, 1937.
Under 10-year proviso.



For Chocolates and Candies.
Claims use since 1850.

Ser. No. 388,937. ARTHUR S. HOLDEN, doing business as Gavilan Citrus Association, Arlington, Calif. Filed Feb. 15, 1937.

MILLION

For Citrus Fruits.
Claims use since Feb. 4, 1937.

Ser. No. 388,998. VIMPEP FOODS, INC., Cambridge, Md. Filed Feb. 16, 1937.

COACH DOG

The word "Dog" is disclaimed apart from the mark.
For Dog Food and Cat Food.
Claims use since Jan. 23, 1937.

Ser. No. 389,157. MARIO TANZI, doing business as Mario Tanzi Co., Chicago, Ill. Filed Feb. 19, 1937.

MUSICAL SOUP

For Macaroni.
Claims use since Nov. 1, 1936.

Ser. No. 389,188. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Feb. 20, 1937.

SUNSHINE CRA-KEENS

For Crackers, Cakes, and Cookies.
Claims use since Feb. 5, 1937.

Ser. No. 389,307. CORPORACION ARGENTINA DE PRODUCTORES DE CARNES, Buenos Aires, Argentina. Filed Feb. 24, 1937.

P-A-C

For Fresh, Frozen, Dried, and Canned Meat and Products Prepared Therefrom—Namely, Tongue, Brains, Kidneys, Liver, Hearts, Tripe, Tails, Marrow, Calf's Feet, and Sausage.
Claims use since Apr. 27, 1936.

Ser. No. 389,338. UNITED PURE FOOD CO., New York, N. Y. Filed Feb. 24, 1937.

PREZIOSO

For Edible Vegetable Oils.
Claims use since 1893.

Ser. No. 389,478. SCHOFEL BROS., INC., Newark, N. J. Filed Feb. 27, 1937.

"BRITE-LITE"

For Fresh Vegetables.
Claims use since March, 1934.

Ser. No. 389,538. WESTERN GRAIN COMPANY, Birmingham, Ala. Filed Mar. 1, 1937.

BANG UP

For Horse and Mule Feed, Laying Mash, Scratch Feed, 24 Percent Dairy Feed, and 16 Percent Dairy Feed.
Claims use since 1919.

Ser. No. 389,539. WESTERN GRAIN COMPANY, Birmingham, Ala. Filed Mar. 1, 1937.

BIG MILL

For Horse and Mule Feed, Dairy Feed, Laying Mash, Growing Mash, All Mash Chick Starter, Ground Yellow Corn, Scratch Feed.
Claims use since Sept. 27, 1926, on horse and mule feed; Mar. 27, 1928, on dairy feed; May 8, 1936, for laying mash, growing mash, all mash chick starter; 1928 on scratch feed and ground yellow corn.

Ser. No. 389,740. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Mar. 6, 1937.

SUNSHINE CRACKERTEERS

For Crackers, Cakes, and Cookies.
Claims use since Feb. 5, 1937.

CLASS 47

Wines

Ser. No. 384,476. PETRI CIGAR COMPANY, doing business as Petri Wine Company, San Francisco, Calif. Filed Oct. 17, 1936.

ALBA

For Wines.
Claims use since January, 1913.

Ser. No. 387,263. BEAUMET & Co., INC., New York, N. Y. Filed Dec. 30, 1936.



All notations except the monogram "LB" are disclaimed apart from the mark.
For Champagnes.
Claims use since Dec. 5, 1933.

Ser. No. 388,269. LEKAS & DRIVAS, INC., New York, N. Y. Filed Jan. 28, 1937.



For Wines.
Claims use since June 12, 1934.

Ser. No. 388,281. SAN MARTINA WINES, INC., Yonkers, N. Y. Filed Jan. 28, 1937.



For Wines.
Claims use since May 14, 1935.

Ser. No. 388,336. JACOB WAGNER, Brooklyn, N. Y. Filed Jan. 29, 1937.



The portrait is that of Sir Moses Montefiore, celebrated philanthropist. The word "Brand" is disclaimed apart from the mark.
For Wines.
Claims use since Aug. 1, 1915.

Ser. No. 389,187. G. LOEWUS & Co., INC., Newark, N. J. Filed Feb. 20, 1937.

SUNLIGHT

For Wines.
Claims use since Dec. 1, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 389,324. LUCHOW IMPORTING CORPORATION, New York, N. Y. Filed Feb. 24, 1937.

EDELQUELL

For Beer.
Claims use since Oct. 22, 1936.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 382,867. FINDLATER MACKIE TODD & CO. LIMITED, London, England. Filed Sept. 3, 1936. Under 10-year proviso.



For Scotch Whisky.
The mark has been in actual use in commerce with the United States as a trade-mark by the applicant for ten years next preceding Feb. 20, 1905, and such use has been exclusive.

Ser. No. 384,610. JOHN A. BERTRAM & Co. LTD., Leith, Scotland. Filed Oct. 21, 1936.



All notations except the monogram "JAB", the word "Viscount", and applicant's name, are disclaimed apart from the mark.
For Whisky.
Claims use since Apr. 25, 1936.

Ser. No. 388,856. A. H. STOLL Co., doing business as Morville Liquor Corp., San Francisco, Calif. Filed Feb. 12, 1937.

MORVILLE

For Whiskey and Gin.
Claims use since Dec. 6, 1933.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 20, 1937

345,164. FUDGE SAUCE, COCOA, MALTED MILK, COFFEE, CARAMEL CREAM, RASPBERRY JAM, STRAWBERRY JAM, CRUSHED PINEAPPLE, ETC. LOFT, INC., Long Island City, N. Y.
Filed September 30, 1932. Serial No. 330,822. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,165. NONMETALLIC TIRES OF FABRIC AND RUBBER. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed January 4, 1934. Serial No. 345,622. PUBLISHED FEBRUARY 9, 1937. Class 35.

345,166. LIP STICK. REJUVIA BEAUTY LABORATORIES, INC., New York, N. Y.
Filed April 12, 1935. Serial No. 363,666. PUBLISHED NOVEMBER 17, 1936. Class 6.

345,167. WATER SOFTENER HAVING INCIDENTAL PROPERTIES AS A WASHING AND CLEANING COMPOUND. VERA P. TOGSTAD, doing business as C. I. Togstad Company, Kokomo, Ind.
Filed May 21, 1935. Serial No. 365,220. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,168. INSTRUMENT FOR MEASURING AND RECORDING LIGHT INTENSITIES. THE SIGHT LIGHT CORPORATION, New York, N. Y.
Filed May 24, 1935. Serial No. 365,358. PUBLISHED FEBRUARY 9, 1937. Class 26.

345,169. DOORS, ARCHITECTURAL WALL PANELS OR PARTITIONS. SOCIETE LE REZO, Paris, France.
Filed August 20, 1935. Serial No. 368,488. PUBLISHED FEBRUARY 2, 1937. Class 12.

345,170. TOILET PAPER. LOWRY-RODGERS COMPANY, also doing business as Alfred Lowry & Bro., Philadelphia, Pa.
Filed September 30, 1935. Serial No. 369,854. PUBLISHED FEBRUARY 9, 1937. Class 37.

345,171. CHEMICAL SUBSTANCE USED AS A DETERGENT FOR TEXTILE, HOUSEHOLD, INDUSTRIAL, AND OTHER PURPOSES WHERE DETERGENCY IS REQUIRED. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J.
Filed December 3, 1935. Serial No. 372,210. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,172. CHEMICAL SUBSTANCE USED AS A DETERGENT FOR TEXTILE, HOUSEHOLD, INDUSTRIAL, AND OTHER PURPOSES WHERE DETERGENCY IS REQUIRED. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J.
Filed December 3, 1935. Serial No. 372,211. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,173. BREAD. SAFEWAY STORES, INCORPORATED, Reno, Nev.
Filed December 9, 1935. Serial No. 372,433. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,174. METAL RINGS AND COVERS FOR USE IN SERVING FOOD IN DINING ROOMS, RESTAURANTS, ETC. THE THERMO SERVICE COMPANY, INC., Chicago, Ill.
Filed December 9, 1935. Serial No. 372,446. PUBLISHED FEBRUARY 9, 1937. Class 13.

345,175. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.
Filed February 18, 1936. Serial No. 374,975. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,176. GIRLS', JUNIORS', MISSES', LITTLE WOMEN'S, AND LADIES' COATS AND SUITS. SIEGEL BROS. KIKI MAID COATS INC., New York, N. Y.
Filed February 28, 1936. Serial No. 375,352. PUBLISHED APRIL 28, 1936. Class 39.

345,177. CHEESE, BUTTER, CONDENSED MILK, AND CREAM. VOINVIENTI-OSUUSLIIKE VALIO R. L., Helsingfors (Helsinki), Finland.
Filed March 14, 1936. Serial No. 376,017. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,178. NATURAL MINERAL WATERS. JULIUS W. BUTLER, doing business as Sun Waters, Bozeman, Mont.
Filed March 20, 1936. Serial No. 376,192. PUBLISHED FEBRUARY 9, 1937. Class 45.

345,179. YARNS. EASTYARN, INC., Brooklyn, N. Y.
Filed March 24, 1936. Serial No. 376,338. PUBLISHED JANUARY 26, 1937. Class 43.

345,180. WHISKEY. GILMAN BROTHERS, INC., Boston, Mass.
Filed May 15, 1936. Serial No. 378,484. PUBLISHED JULY 7, 1936. Class 49.

345,181. RESINS AND HYDROCARBON POLYMERS SUITABLE FOR USE IN THE MANUFACTURE OF COATING COMPOSITIONS, MOLDING COMPOSITIONS, AND THE LIKE. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed May 25, 1936. Serial No. 378,850. PUBLISHED FEBRUARY 9, 1937. Class 1.

345,182. JOURNAL-BEARING AND BOX UNITS. NATIONAL BEARING METALS CORPORATION, St. Louis, Mo.
Filed June 1, 1936. Serial No. 379,127. PUBLISHED FEBRUARY 9, 1937. Class 23.

345,183. CIGAR, CIGARETTE, AND PIPE LIGHTERS OF THE CATALYTIC TYPE. VESTALITE CORPORATION, New York, N. Y.
Filed June 9, 1936. Serial No. 379,493. PUBLISHED FEBRUARY 9, 1937. Class 34.

345,184. FLOUR, PARTICULARLY WHEAT FLOUR, SELF RISING FLOUR, AND WHEAT FLOUR WITH PHOSPHATE ADDED. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn.
Filed June 19, 1936. Serial No. 379,931. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,185. FLOUR, PARTICULARLY WHEAT FLOUR, SELF RISING FLOUR, AND WHEAT FLOUR WITH PHOSPHATE ADDED. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn.
Filed June 19, 1936. Serial No. 379,933. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,186. FLOUR, PARTICULARLY WHEAT FLOUR, SELF-RISING FLOUR, AND WHEAT FLOUR WITH PHOSPHATE ADDED. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn.
Filed June 19, 1936. Serial No. 379,936. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,187. FLOUR, PARTICULARLY WHEAT FLOUR, SELF-RISING FLOUR, AND WHEAT FLOUR WITH PHOSPHATE ADDED. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn.
Filed June 19, 1936. Serial No. 379,937. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,188. FLOUR, PARTICULARLY WHEAT FLOUR, SELF-RISING FLOUR, AND WHEAT FLOUR WITH PHOSPHATE ADDED. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn.
Filed June 19, 1936. Serial No. 379,938. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,189. OIL BURNERS. PRESSURE OIL BURNERS, INC., doing business as Viking Manufacturing Co., York, Pa.
Filed July 31, 1936. Serial No. 381,690. PUBLISHED FEBRUARY 9, 1937. Class 34.

345,190. CLAY ROOFING TILE. SCHNEIDER BRICK & TILE CO. INC., New Orleans, La.
Filed July 29, 1936. Serial No. 381,740. PUBLISHED JANUARY 26, 1937. Class 12.

345,191. LAUNDRY STARCH. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed August 10, 1936. Serial No. 382,008. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,192. SOY BEAN FLOUR AND BREAD. RURAL EDUCATIONAL ASSOCIATION, doing business as Madison Foods, Madison College, Tenn.
Filed August 15, 1936. Serial No. 382,239. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,193. CANNED PROTEIN MEAT-LIKE FOOD CONTAINING NO ANIMAL PRODUCTS AND USED AS A SOURCE OF PROTEIN, LIKE MEAT. RURAL EDUCATIONAL ASSOCIATION, doing business as Madison Foods, Madison College, Tenn.
Filed August 15, 1936. Serial No. 382,241. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,194. NON-CAFFEINE FOOD BEVERAGE MADE OF WHEAT, BRAN, AND SOY BEANS, USED AS A SUBSTITUTE FOR COFFEE. RURAL EDUCATIONAL ASSOCIATION, doing business as Madison Foods, Madison College, Tenn.
Filed August 15, 1936. Serial No. 382,242. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,195. CHEMICAL CLEANING COMPOUND—NAMELY, BEER PIPE CLEANING COMPOUND. THE SLICK-SHINE CO. INC., Newark, N. J.
Filed August 20, 1936. Serial No. 382,396. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,196. CANNED PEAS. FUHREMANN CANNING COMPANY, Appleton, Wis.
Filed August 26, 1936. Serial No. 382,591. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,197. YARNS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed September 5, 1936. Serial No. 382,941. PUBLISHED FEBRUARY 2, 1937. Class 43.

345,198. PAINTS (READY MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, PAINT FILLERS, KALSOMINE, WATER PAINTS, WHITE LEAD, DRY PAINT COLORS, AND PAINT PIGMENTS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed September 9, 1936. Serial No. 383,073. PUBLISHED NOVEMBER 3, 1936. Class 16.

345,199. RAYON PIECE GOODS. SOLOMON FROMM, doing business as S. Fromm, Brooklyn, N. Y.
Filed September 12, 1936. Serial No. 383,163. PUBLISHED FEBRUARY 9, 1937. Class 42.

345,200. GREEN COFFEE. J. ARON & COMPANY, INC., San Francisco, Calif.
Filed September 14, 1936. Serial No. 383,288. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,201. NEWSPAPER COLUMN. THEODORE A. WANERUS, Buffalo, Wyo.
Filed September 25, 1936. Serial No. 383,663. PUBLISHED FEBRUARY 9, 1937. Class 38.

345,202. DISH TOWELS. SAM DUBINSKY, Kansas City, Mo.
Filed October 3, 1936. Serial No. 383,917. PUBLISHED FEBRUARY 9, 1937. Class 42.

345,203. WICKS. WM. E. HOOPER & SONS CO., Baltimore, Md.
Filed October 7, 1936. Serial No. 384,082. PUBLISHED FEBRUARY 9, 1937. Class 34.

345,204. PROPHYLACTIC LAMBSKIN ARTICLES AND RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. JACK B. MCCLURE, doing business as Mid-West Products Company, Indianapolis, Ind.
Filed October 7, 1936. Serial No. 384,094. PUBLISHED FEBRUARY 9, 1937. Class 44.

345,205. BUFFING WHEELS. F. L. & J. C. CODMAN COMPANY, Rockland, Mass.
Filed October 10, 1936. Serial No. 384,193. PUBLISHED FEBRUARY 9, 1937. Class 4.

345,206. CHOCOLATE CANDIES. ARLENE CHOCOLATE CO. INC., Brooklyn, N. Y.
Filed October 14, 1936. Serial No. 384,313. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,207. CHECKERS, GOLF BAGS, FISHING REELS, PLAYGROUND BALLS, VELOCIPEDES, AND ROLLER SKATES. TRU-TEST BROKERAGE CORPORATION, Chicago, Ill., now by change of name Tru Test Marketing & Merchandising Corp.
Filed October 17, 1936. Serial No. 384,483. PUBLISHED DECEMBER 8, 1936. Class 22.

345,208. PADLOCKS. TRU-TEST BROKERAGE CORPORATION, Chicago, Ill., now by change of name Tru Test Marketing & Merchandising Corp.
Filed October 17, 1936. Serial No. 384,484. PUBLISHED DECEMBER 8, 1936. Class 25.

345,209. VARNISH BRUSHES, SPOKE BRUSHES, WHISK-BROOMS, AND DUSTING MITTS. TRU-TEST BROKERAGE CORPORATION, Chicago, Ill., now by change of name Tru Test Marketing & Merchandising Corp.
Filed October 17, 1936. Serial No. 384,485. PUBLISHED DECEMBER 8, 1936. Class 29.

345,210. CHEMICAL COMPOSITION USED AS A SELECTIVE PRECIPITANT OF EXCESS LIME AND MAGNESIA FOR IMPROVEMENT OF FOAM RETENTION IN BEER. BENNO LOWY, doing business as Chemical Specialty Company, San Francisco, Calif.
Filed October 19, 1936. Serial No. 384,542. PUBLISHED FEBRUARY 9, 1937. Class 48.

345,211. SILVER PLATED HOLLOW WARE. CROWN SILVER COMPANY, INC., Brookline, Mass.
Filed October 24, 1936. Serial No. 384,736. PUBLISHED FEBRUARY 2, 1937. Class 28.

345,212. CORN POPPERS. U. S. MANUFACTURING CORPORATION, Decatur, Ill.
Filed October 24, 1936. Serial No. 384,775. PUBLISHED FEBRUARY 9, 1937. Class 13.

345,213. DETACHABLE BASE METAL DISPENSER TOPS FOR SERVING LIQUIDS FROM RECEPTACLES. NA-MAC PRODUCTS CORP., Los Angeles, Calif.
Filed October 26, 1936. Serial No. 384,812. PUBLISHED FEBRUARY 9, 1937. Class 13.

345,214. SOFTENERS—I. E., CHEMICAL SOLUTIONS USED IN THE SHOE INDUSTRY TO SOFTEN THE MATERIALS, BEFORE SHAPING THEM, USED IN SHOE TOES OR COUNTERS. THE CELASTIC CORPORATION, Wilmington, Del., and Arlington, N. J.
Filed October 27, 1936. Serial No. 384,843. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,215. NATURAL MINERAL AND MEDICINAL WATERS. E. M. CAREFOOT, Belleville, Ontario, Canada.
Filed October 28, 1936. Serial No. 384,882. PUBLISHED FEBRUARY 9, 1937. Class 45.

345,216. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. DINHOFER BROS., INC., New York, N. Y.
Filed October 28, 1936. Serial No. 384,886. PUBLISHED FEBRUARY 9, 1937. Class 27.

345,217. HIGH TEMPERATURE THERMAL INSULATING CEMENT. UNIVERSAL INSULATION COMPANY, Chicago, Ill.
Filed October 30, 1936. Serial No. 384,985. PUBLISHED JANUARY 26, 1937. Class 12.

345,218. MOUTH WASH AND GARGLE; OINTMENT FOR THE TREATMENT OF PILES, HEMORRHOIDS, FISTULAE, CHRONIC WOUNDS, ACNE, PSORIASIS OF THE SKIN, ECZEMA, SKIN ERUPTIONS, DANDRUFF, ATHLETE'S FOOT, AND INSECT BITES; OINTMENT FOR THE TREATMENT OF COLDS, SORE THROAT, BRONCHIAL TROUBLE, ASTHMA, AND HAY FEVER; DEODORANT, FEMININE HYGIENE PREPARATION; STERILIZER AND CLEANSER FOR REMOVING SCALE, LIME DEPOSIT, FILM, AND TARNISH; TOPICAL ANESTHETIC FOR DENTAL SURGERY; GERMICIDE, FUNGICIDE, AND TISSUE STIMULANT FOR DENTAL USE; SKIN CREAM AND SKIN LOTION. CALIFORNIA DENTAL SUPPLY CO., doing business as Dengene Laboratories, Los Angeles, Calif.
Filed November 2, 1936. Serial No. 385,031. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,219. NONALCOHOLIC BEVERAGES, PURE AND MIXED FRUIT JUICES AND FLAVORING SUBSTANCES MADE OF FRUIT JUICES MIXED WITH OTHER INGREDIENTS. WALTER F. FRICKE, doing business as F. & F. Packing Company, Chicago, Ill., assignor to Highland Sales Company, Denver, Colo., a corporation of Colorado.
Filed November 2, 1936. Serial No. 385,035. PUBLISHED FEBRUARY 9, 1937. Class 45.

345,220. NONALCOHOLIC BEVERAGES, PURE AND MIXED FRUIT JUICES AND FLAVORING SUBSTANCES MADE OF FRUIT JUICES MIXED WITH OTHER INGREDIENTS. WALTER F. FRICKE, doing business as F. & F. Packing Company, Chicago, Ill., assignor to Highland Sales Company, Denver, Colo., a corporation of Colorado.
Filed November 2, 1936. Serial No. 385,036. PUBLISHED FEBRUARY 9, 1937. Class 45.

345,221. ARCH APPLIANCES. HARRY T. KRAKAU, Cleveland, Ohio.
Filed November 2, 1936. Serial No. 385,045. PUBLISHED FEBRUARY 9, 1937. Class 44.

345,222. BOOKS, PRINTS, PLAIN AND EMBOSSED, PRINTED AND LITHOGRAPHED, GUMMED AND UNGUMMED LABELS, PRINTED PICTURES FOR RELIGIOUS AND HIGH GRADE ARTISTIC PUBLICATIONS OF SIMILAR NATURE. STELZ COMPANY, INC., New York, N. Y.
Filed November 2, 1936. Serial No. 385,070. PUBLISHED FEBRUARY 9, 1937. Class 38.

345,223. HUMIDIFIERS. STOWELL WHITNEY MEARS, New York, N. Y.
Filed October 23, 1936. Serial No. 385,165. PUBLISHED FEBRUARY 9, 1937. Class 34.

345,224. CASTABLE REFRACTORY MATERIAL. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill.
Filed November 5, 1936. Serial No. 385,200. PUBLISHED FEBRUARY 2, 1937. Class 12.

345,225. PORTLAND CEMENT. CONSOLIDATED CEMENT CORPORATION, Chicago, Ill.
Filed November 6, 1936. Serial No. 385,214. PUBLISHED JANUARY 26, 1937. Class 12.

345,226. PORTLAND CEMENT. FLORIDA PORTLAND CEMENT COMPANY, Chicago, Ill.
Filed November 6, 1936. Serial No. 385,222. PUBLISHED JANUARY 26, 1937. Class 12.

345,227. PORTLAND CEMENT. SIGNAL MOUNTAIN PORTLAND CEMENT COMPANY, Chicago, Ill.
Filed November 6, 1936. Serial No. 385,237. PUBLISHED JANUARY 26, 1937. Class 12.

345,228. PORTLAND CEMENT. TRINITY PORTLAND CEMENT COMPANY, Chicago, Ill.
Filed November 6, 1936. Serial No. 385,238. PUBLISHED JANUARY 26, 1937. Class 12.

345,229. WINE WITH CARBONATED WATER AND FLAVORING. THE TOM COLLINS CORPORATION, Covington, Ky.
Filed November 10, 1936. Serial No. 385,333. PUBLISHED FEBRUARY 9, 1937. Class 47.

345,230. WINE WITH CARBONATED WATER AND FLAVORING. THE TOM COLLINS CORPORATION, Covington, Ky.
Filed November 10, 1936. Serial No. 385,334. PUBLISHED FEBRUARY 9, 1937. Class 47.

345,231. WINE WITH CARBONATED WATER AND FLAVORING. THE TOM COLLINS CORPORATION, Covington, Ky.
Filed November 10, 1936. Serial No. 385,335. PUBLISHED FEBRUARY 9, 1937. Class 47.

345,232. WINE WITH CARBONATED WATER AND FLAVORING. THE TOM COLLINS CORPORATION, Covington, Ky.
Filed November 10, 1936. Serial No. 385,336. PUBLISHED FEBRUARY 9, 1937. Class 47.

345,233. FRESH OYSTERS AND FRESH CLAMS. HANS MEY, doing business as Sea Tank Oyster Co., New York, N. Y.
Filed November 10, 1936. Serial No. 385,364. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,234. SOAPS AND SHAVING CREAMS. SHULTON, INC., New York, N. Y.
Filed November 7, 1936. Serial No. 385,376. PUBLISHED FEBRUARY 9, 1937. Class 4.

345,235. FILES, RASPS, REAMERS, AND RIFFLERS. CARSON-NEWTON COMPANY, Newark, N. J.
Filed November 11, 1936. Serial No. 385,393. PUBLISHED FEBRUARY 9, 1937. Class 23.

345,236. VACUUM CLEANERS. HENRY F. BEEMAN, doing business as Beeman Company, Denver, Colo.
Filed November 13, 1936. Serial No. 385,470. PUBLISHED FEBRUARY 9, 1937. Class 23.

345,237. TANNING EXTRACTS. COMPAÑIA ARGENTINA DE QUEBRACHO "MARCA FORMOSA" SOCIEDAD ANÓNIMA, Buenos Aires, Argentina.
Filed November 16, 1936. Serial No. 385,565. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,238. POTATOES. PENNSYLVANIA COOPERATIVE POTATO GROWERS ASSOCIATION, INC., Bellefonte, Pa.
Filed November 16, 1936. Serial No. 385,603. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,239. NATIONAL WEEKLY MAGAZINE. POLITICS, INC., Washington, D. C.
Filed November 16, 1936. Serial No. 385,604. PUBLISHED FEBRUARY 9, 1937. Class 38.

345,240. MACHINES FOR PEENING AND RESHAPING PISTONS AND PARTS OF SAID MACHINES. RAMSEY ACCESSORIES MANUFACTURING CORPORATION, St. Louis, Mo.
Filed November 16, 1936. Serial No. 385,605. PUBLISHED FEBRUARY 9, 1937. Class 23.

345,241. PICKLES AND SWEET PICKLE RELISHES. MOUNT OLIVE PICKLE CO., INC., Mount Olive, N. C.
Filed November 17, 1936. Serial No. 385,636. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,242. PICKLES AND SWEET PICKLE RELISHES. MOUNT OLIVE PICKLE CO., INC., Mount Olive, N. C.
Filed November 17, 1936. Serial No. 385,637. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,243. YARNS OF COTTON, WOOL, WORSTED, RAYON, ANGORA, CASHMERE, AND MIXTURES THEREOF, SAID YARNS UPON WHICH THE MARK IS USED HAVING A SUBSTANTIAL CAMEL'S HAIR CONTENT. GLENN E. OSBORNE, doing business as Mayfair Yarncraft, New York, N. Y.
Filed November 18, 1936. Serial No. 385,674. PUBLISHED FEBRUARY 9, 1937. Class 43.

345,244. DYESTUFFS. SOUTHERN DYESTUFF CORPORATION, Charlotte, N. C.
Filed November 18, 1936. Serial No. 385,704. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,245. DYESTUFF. SOUTHERN DYESTUFF CORPORATION, Charlotte, N. C.
Filed November 18, 1936. Serial No. 385,705. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,246. ANTISEPTIC MOUTH WASH, HEALING OINTMENT, THROAT TABLETS, TOOTH PASTE, TOOTH POWDER, BATH SALTS, FACE CREAM, DEODORIZING POWDER, AND FACE POWDER. H. KIRK WHITE & CO., Oconomowoc, Wis.
Filed November 18, 1936. Serial No. 385,714. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,247. SOAP. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed November 19, 1936. Serial No. 385,722. PUBLISHED FEBRUARY 9, 1937. Class 4.

345,248. WINES. SHEPARD J. GOLDBERG, INC., New York, N. Y.
Filed November 19, 1936. Serial No. 385,730. PUBLISHED FEBRUARY 9, 1937. Class 47.

345,249. TITLE FOR A NEWSPAPER COLUMN. TIME, INCORPORATED, New York, N. Y.
Filed November 19, 1936. Serial No. 385,758. PUBLISHED FEBRUARY 9, 1937. Class 38.

345,250. FINGER RINGS AND PINS MADE OF PRECIOUS METAL. DANIEL F. EBBERT, Wheeling, W. Va.
Filed November 20, 1936. Serial No. 385,782. PUBLISHED FEBRUARY 9, 1937. Class 28.

345,251. SOAP AND BORAX POWDER PREPARATION FOR USE AS A CLEANSER. PACIFIC COAST BORAX COMPANY, New York, N. Y.
Filed November 20, 1936. Serial No. 385,798. PUBLISHED FEBRUARY 9, 1937. Class 4.

345,252. SPECTACLES, MORE PARTICULARLY GOGGLES. PERELES BROS. INC., Milwaukee, Wis.
Filed November 20, 1936. Serial No. 385,799. PUBLISHED FEBRUARY 9, 1937. Class 26.

345,253. QUICK SETTING LIQUID LATEX RUBBER PERFECTED FOR CHIROPODISTS. EDWARD C. MELDMAN, Milwaukee, Wis.
Filed November 24, 1936. Serial No. 385,933. PUBLISHED FEBRUARY 9, 1937. Class 44.

345,254. TOILET AND SHAVING SOAP. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed November 25, 1936. Serial No. 385,973. PUBLISHED FEBRUARY 9, 1937. Class 4.

345,255. LIQUID AND POWDER PERFUME, TOILET WATER, FACE POWDER, TALC POWDER, VANISHING CREAM, COLD CREAM, HAND AND FACE LOTION, LIPSTICK, AND BRILLIANTINE. COLGATE-PALMOLIVE PEET COMPANY, Jersey City, N. J.
Filed November 25, 1936. Serial No. 385,974. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,256. MEDICINES FOR USE AS A CATHARTIC. ANGLO-FRENCH LABORATORIES, INC., New York, N. Y.
Filed November 27, 1936. Serial No. 386,007. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,257. DARNING COTTON AND SEWING AND MENDING THREAD AND YARN MADE OF SILK, COTTON, OR RAYON. COLLINGBOURNE MILLS, INC., also doing business as Virginia Snow Studios, Elgin, Ill.
Filed November 27, 1936. Serial No. 386,013. PUBLISHED FEBRUARY 9, 1937. Class 43.

345,258. AIR CONDITIONING UNITS. UNITED STATES AIR CONDITIONING CORPORATION, Minneapolis, Minn.
Filed November 27, 1936. Serial No. 386,055. PUBLISHED FEBRUARY 9, 1937. Class 34.

345,259. STRUCTURAL HEAT INSULATION AND ACOUSTICAL MATERIALS. THE CELOTEX CORPORATION, Chicago, Ill.
Filed November 25, 1936. Serial No. 386,065. PUBLISHED JANUARY 26, 1937. Class 12.

345,260. ELECTRIC AIR-COMPRESSORS. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md.
Filed November 28, 1936. Serial No. 386,070. PUBLISHED FEBRUARY 9, 1937. Class 23.

345,261. THREAD AND YARN OF ARTIFICIAL ORIGIN. AMERICAN BEMBERG CORPORATION, New York, N. Y.
Filed November 30, 1936. Serial No. 386,092. PUBLISHED FEBRUARY 9, 1937. Class 43.

345,262. CERAMIC TABLE-WARE. LOUIS E. HELLMANN, New York, N. Y.
Filed November 30, 1936. Serial No. 386,108. PUBLISHED FEBRUARY 9, 1937. Class 30.

345,263. CHEMICAL PREPARATION FOR A WALL PAPER REMOVER. PATENT CEREALS COMPANY, Geneva, N. Y.
Filed November 30, 1936. Serial No. 386,124. PUBLISHED FEBRUARY 9, 1937. Class 6.

345,264. HORSE NAILS. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn.
Filed December 1, 1936. Serial No. 386,150. PUBLISHED FEBRUARY 9, 1937. Class 13.

345,265. SILVER-PLATED FLATWEAR FOR TABLE USE AND THE LIKE. INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed December 1, 1936. Serial No. 386,162. PUBLISHED FEBRUARY 2, 1937. Class 28.

345,266. PERIODICAL AT PRESENT PUBLISHED MONTHLY. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed December 1, 1936. Serial No. 386,183. PUBLISHED FEBRUARY 9, 1937. Class 38.

345,267. PERIODICAL. BUSINESS NEWS PUBLISHING CO., Detroit, Mich.
Filed December 2, 1936. Serial No. 386,201. PUBLISHED FEBRUARY 9, 1937. Class 38.

345,268. RICE. MOUTON RICE MILLING CO., Harrisburg, Ark.
Filed December 2, 1936. Serial No. 386,217. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,269. RICE. MOUTON RICE MILLING CO., Harrisburg, Ark.
Filed December 2, 1936. Serial No. 386,218. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,270. RICE. MOUTON RICE MILLING CO., Harrisburg, Ark.
Filed December 2, 1936. Serial No. 386,219. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,271. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 3, 1936. Serial No. 386,237. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,272. CIGARETTES AND SMOKING TOBACCO. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 3, 1936. Serial No. 386,238. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,273. PRINTED TEXTILE PIECE GOODS. SANDY FABRICS CORP., New York, N. Y.
Filed December 3, 1936. Serial No. 386,273. PUBLISHED FEBRUARY 9, 1937. Class 42.

345,274. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 4, 1936. Serial No. 386,285. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,275. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 4, 1936. Serial No. 386,286. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,276. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 4, 1936. Serial No. 386,288. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,277. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 4, 1936. Serial No. 386,289. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,278. CIGARETTES AND SMOKING TOBACCO. THE AXTON FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 4, 1936. Serial No. 386,291. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,279. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 4, 1936. Serial No. 386,294. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,280. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 4, 1936. Serial No. 386,296. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,281. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 4, 1936. Serial No. 386,297. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,282. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 4, 1936. Serial No. 386,298. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,283. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 4, 1936. Serial No. 386,300. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,284. CARTOONS. KING FEATURES SYNDICATE, INC., New York, N. Y., assignor to Stephen Slesinger, Inc., New York, N. Y., a corporation of New York.
Filed December 4, 1936. Serial No. 386,311. PUBLISHED FEBRUARY 9, 1937. Class 38.

345,285. PREPARATION FOR THE TREATMENT OF ANEMIA. WILBER CO. INC., Richmond, Va.
Filed December 4, 1936. Serial No. 386,323. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,286. TRUCK TANK BODIES AND TRUCK HOIST DUMP BODIES. GENERAL BODY & HOIST COMPANY, Everett, Mass.
Filed December 5, 1936. Serial No. 386,388. PUBLISHED FEBRUARY 9, 1937. Class 19.

345,287. SANITARY NAPKINS. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed December 7, 1936. Serial No. 386,430. PUBLISHED FEBRUARY 9, 1937. Class 44.

345,288. SANITARY NAPKINS. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed December 7, 1936. Serial No. 386,431. PUBLISHED FEBRUARY 9, 1937. Class 44.

345,289. TRUNKS, DRESS-SUIT CASES, AND HANDBAGS. WINSHIP COMPANY, INC., Utica, N. Y.
Filed December 7, 1936. Serial No. 386,466. PUBLISHED FEBRUARY 9, 1937. Class 3.

345,290. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 8, 1936. Serial No. 386,469. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,291. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 8, 1936. Serial No. 386,471. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,292. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 8, 1936. Serial No. 386,473. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,293. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,516. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,294. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,517. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,295. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,518. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,296. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,519. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,297. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,520. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,298. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,521. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,299. CIGARETTES. THE AXTON FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,522. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,300. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,523. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,301. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,525. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,302. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,526. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,303. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,527. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,304. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,528. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,305. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed December 9, 1936. Serial No. 386,529. PUBLISHED FEBRUARY 9, 1937. Class 17.

345,306. ELECTRICAL PRODUCTS—NAMELY, ELECTRIC STORAGE BATTERIES. FLETCHER OIL COMPANY, Boise, Idaho.
Filed December 9, 1936. Serial No. 386,536. PUBLISHED FEBRUARY 9, 1937. Class 21.

345,307. PIECE GOODS COMPOSED WHOLLY OR IN PART OF WOOL, HAIR, SILK, RAYON, COTTON, HEMP, FLAX, JUTE, ALPHA FIBRE, ALOE FIBRE, VEGETABLE FIBRE, OR MIXTURES THEREOF. MANUFACTURES DE VELOURS ET PELUCHES, Lyon, France.
Filed December 9, 1936. Serial No. 386,545. PUBLISHED FEBRUARY 9, 1937. Class 42.

345,308. PIECE GOODS COMPOSED WHOLLY OR IN PART OF WOOL, HAIR, SILK, RAYON, COTTON, HEMP, FLAX, JUTE, ALPHA FIBRE, ALOE FIBRE, VEGETABLE FIBRE, OR MIXTURES THEREOF. MANUFACTURES DE VELOURS ET PELUCHES, Lyon, France.
Filed December 9, 1936. Serial No. 386,546. PUBLISHED FEBRUARY 9, 1937. Class 42.

345,309. SEWING MACHINES. THE OSANN CORPORATION, Elizabethport, N. J., and New York, N. Y.
Filed December 9, 1936. Serial No. 386,555. PUBLISHED FEBRUARY 9, 1937. Class 23.

345,310. SOAP. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed December 10, 1936. Serial No. 386,579. PUBLISHED FEBRUARY 9, 1937. Class 4.

345,311. MACHINERY FOR MANUFACTURING CONCRETE BUILDING UNITS. GEORGE M. FRIEL, doing business as Anchor Concrete Machinery Company, Columbus, Ohio.
Filed December 10, 1936. Serial No. 386,585. PUBLISHED FEBRUARY 9, 1937. Class 23.

345,312. PERFUMES. LES PARFUMS WORTH DE PARIS, INC., New York, N. Y.
Filed December 10, 1936. Serial No. 386,592. PUBLISHED FEBRUARY 2, 1937. Class 6.

345,313. VENETIAN BLINDS AND NON-FABRIC CORNICES AND VALANCES THEREFOR. YARDLEY SCREEN AND WEATHER STRIP CORPORATION, Columbus, Ohio.
Filed December 10, 1936. Serial No. 386,614. PUBLISHED FEBRUARY 9, 1937. Class 32.

345,314. MONTHLY MAGAZINE. CLANCY PUBLICATIONS, INC., New York, N. Y.
Filed December 9, 1936. Serial No. 386,619. PUBLISHED FEBRUARY 9, 1937. Class 38.

345,315. QUARTERLY MAGAZINE. CLANCY PUBLICATIONS, INC., New York, N. Y.
Filed December 9, 1936. Serial No. 386,620. PUBLISHED FEBRUARY 9, 1937. Class 38.

345,316. ELECTRIC LAMPS, INCLUDING FLOOR LAMPS AND TABLE LAMPS. THE GREIST MANUFACTURING COMPANY, New Haven, Conn.
Filed December 11, 1936. Serial No. 386,647. PUBLISHED FEBRUARY 9, 1937. Class 21.

345,317. BED SPRINGS AND MATTRESSES. GREENPOINT METALLIC BED COMPANY, INC., Brooklyn, N. Y.
Filed December 14, 1936. Serial No. 386,710. PUBLISHED FEBRUARY 9, 1937. Class 32.

345,318. CARPET SWEEPERS. BISSELL CARPET SWEEPER CO., Grand Rapids, Mich.
Filed December 14, 1936. Serial No. 386,719. PUBLISHED FEBRUARY 9, 1937. Class 23.

345,319. NONALCOHOLIC BEVERAGES. JOSEPH BLOCH, doing business as American Wet Beverage Company, Omaha, Nebr.
Filed December 14, 1936. Serial No. 386,720. PUBLISHED FEBRUARY 9, 1937. Class 45.

345,320. SALT MADE AND SOLD IN CAKES OR BLOCKS. THE CAREY SALT COMPANY, Hutchinson, Kans.
Filed December 14, 1936. Serial No. 386,721. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,321. RAZOR BLADES. COOPER & COOPER, INC., Brooklyn, N. Y.
Filed December 14, 1936. Serial No. 386,724. PUBLISHED FEBRUARY 9, 1937. Class 23.

345,322. SAFETY RAZOR BLADES. SIMMONS HARDWARE COMPANY, St. Louis, Mo.
Filed December 14, 1936. Serial No. 386,745. PUBLISHED FEBRUARY 9, 1937. Class 23.

345,323. ALES AND LAGER BEERS. BEVERWYCK BREWERIES, INC., Albany, N. Y.
Filed December 15, 1936. Serial No. 386,757. PUBLISHED FEBRUARY 9, 1937. Class 48.

345,324. WHEAT FLOUR. CENTENNIAL FLOURING MILLS COMPANY, Seattle, Wash.
Filed December 16, 1936. Serial No. 386,789. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,325. CHEESE. J. S. HOFFMAN CO., INC., New York, N. Y.
Filed December 16, 1936. Serial No. 386,805. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,326. YARNS OF WOOL, WORSTED, RAYON, ANGORA, CASHMERE, AND MIXTURES THEREOF. GLENN E. OSBORNE, doing business as Mayfair Yarncraft, New York, N. Y.
Filed December 16, 1936. Serial No. 386,811. PUBLISHED FEBRUARY 9, 1937. Class 43.

345,327. FRESH CITRUS FRUITS. CLEARWATER GROWERS ASSOCIATION, Clearwater, Fla.
Filed December 17, 1936. Serial No. 386,849. PUBLISHED FEBRUARY 9, 1937. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

345,328. (CLASS 47. WINES.) COLONIAL GRAPE PRODUCTS COMPANY OF CALIFORNIA, San Francisco, Calif. Filed Jan. 29, 1937. Serial No. 388,310.

Cordova

For Wines.
Claims use since 1920.

345,329. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RAPHAEL WEILL & COMPANY, San Francisco, Calif. Filed Dec. 20, 1935. Serial No. 372,900.

PERFEC-TEST

For Piece Goods of Linen, Silk, Velvet, Cotton, Wool, Rayon, or Mixtures Thereof, Table Cloths, Napkins, Blankets, Comforters, Sheets, Pillow Cases, Bed Spreads, and Draperies.
Claims use since Dec. 7, 1935.

345,330. (CLASS 37. PAPER AND STATIONERY.) OSBORN PAPER COMPANY, Marion, Ind. Filed Feb. 10, 1936. Serial No. 374,679.

PRIZE AWARD

For Writing Tablets, Pencil Tablets, Composition Books, Student Notebooks, Filler Paper, Drawing Tablets, and Spelling Tablets.
Claims use since Jan. 10, 1936.

345,331. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE SWISS RADIUM & DIAL PAINTING CO., INC., New York, N. Y. Filed Feb. 10, 1936. Serial No. 374,694.

Sutton

For Watch Cases, Watch Dials, and Movements Thereof, and Clocks.
Claims use since Feb. 3, 1936.

345,332. (CLASS 39. CLOTHING.) THE NOLDE AND HORST COMPANY, Reading, Pa. Filed Mar. 7, 1936. Serial No. 375,717.

MY LENGTH

For Hosiery.
Claims use since Jan. 31, 1936.

345,333. (CLASS 39. CLOTHING.) THE NOLDE AND HORST COMPANY, Reading, Pa. Filed Mar. 7, 1936. Serial No. 375,718.

YOUR LENGTH

For Hosiery.
Claims use since Jan. 31, 1936.

345,334. (CLASS 39. CLOTHING.) THE NOLDE AND HORST COMPANY, Reading, Pa. Filed Mar. 7, 1936. Serial No. 375,719.

RIGHT LENGTH

For Hosiery.
Claims use since Jan. 31, 1936.

345,335. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Mar. 12, 1936. Serial No. 375,904.

KIL-GLARE

For Paints (Ready Mixed, Paste Form, and Dry), Paint Enamels, Lacquers, Japans, Varnishes, Stains, Paint Fillers, Kalsomine, Water Paints, White Lead, Dry Paint Colors, and Paint Pigments.
Claims use since Feb. 14, 1936.

345,336. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) S. B. FOOT TANNING CO., Red Wing, Minn. Filed July 3, 1936. Serial No. 380,558.

NOB GRAIN

For Leather.
Claims use since Feb. 15, 1936.

345,337. (CLASS 37. PAPER AND STATIONERY.) RICHARD E. THIBAUT, INC., New York, N. Y. Filed Mar. 17, 1936. Serial No. 376,109.

DURAY

For Wall Papers.
Claims use since Mar. 9, 1936.

345,338. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn., a corporation of Connecticut. Filed Mar. 24, 1936. Serial No. 376,336.

Squeezit

For Bottle Openers.
Claims use since Mar. 4, 1936.

345,339. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. KLUGER, New York, N. Y. Filed Apr. 1, 1936. Serial No. 376,678.

"Pur'di Silk"

For Silk Piece Goods.
Claims use since Mar. 2, 1936.

345,340. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BAY STATE ABRASIVE PRODUCTS COMPANY, Westboro, Mass. Filed Apr. 16, 1936. Serial No. 377,260.

BAY STATE

For Grinding, Abrading, Polishing, Cutting-Off and Knife Sharpening Wheels, Cylinder Honing Stones, Rubbing Bricks, Marble Finishing Stones, Terrazzo Rubbing Stones, Oil Stones, and Abrasive Sticks, Pencils, and Stones.
Claims use since December, 1925.

345,341. (CLASS 39. CLOTHING.) I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Apr. 22, 1936. Serial No. 377,524.

Kustom Fit

For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns of a Textile Fabric.
Claims use since Mar. 4, 1936.

345,342. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN A. EBERLY, Mohnton, Pa. Filed Apr. 27, 1936. Serial No. 377,674.

RUNR-KNITR

For a Latch Needle Specially Adapted for Repairing Knit Goods.
Claims use since Mar. 2, 1936.

345,343. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. L. LUCAS & SON, INC., Bridgeport, Conn. Filed May 1, 1936. Serial No. 377,878.

LUCAS

For Machine Tools—Namely, Vertical Boring, Drilling and Milling Machines; Vertical and Horizontal Multiple Spindle Lathes; Grinding Machines; Metal Cutting Machines; Gear Cutting, Shaping, and Finishing Machines; Broaching Machines; Drill Presses; Turret Lathes; Bar Stock and Chucking Lathes; and Metal Cutting and Bending Machinery.
Claims use since 1918.

345,344. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) DIESEL TIRE CORPORATION, New York, N. Y. Filed Sept. 5, 1936. Serial No. 382,946.

DIESEL

For Rubber Tires and Inner Tubes Therefor and Patches.
Claims use since Nov. 19, 1935.

345,345. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALVIE E. SANDBERG, doing business as Nonpareil Mfg. Co., St. Louis, Mo. Filed Sept. 25, 1936. Serial No. 383,649.



For Basket Ball Goals.
Claims use since Mar. 13, 1936.

345,346. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio. Filed Sept. 29, 1936. Serial No. 383,698.

EVER GOOD

Trade-Mark Registration No. 147,446 is owned by this applicant.
For Purely Vegetable Shortening.
Claims use since June 10, 1935.

345,347. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE EVEREDY COMPANY, Frederick, Md. Filed Oct. 12, 1936. Serial No. 384,250.

Speedy-Clean

For Base Metal Cooking Hollow Ware.
Claims use since Feb. 3, 1936.

345,348. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) LUBBERS & BELL MANUFACTURING COMPANY, Clinton, Iowa. Filed Oct. 26, 1936. Serial No. 384,802.

FYBERMESH

For Fly Swatters.
Claims use since Jan. 27, 1930.

345,349. (CLASS 39. CLOTHING.) MORRIS LEVINSON, Baltimore, Md. Filed Dec. 9, 1936. Serial No. 386,542.

ART FASHION CLOTHES

For Men's and Boys' Suits, Trousers, Topcoats, and Overcoats.
Claims use since October, 1916.

345,350. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GROCERY PRODUCTS MANUFACTURING CORPORATION, New York, N. Y. Filed Dec. 24, 1936. Serial No. 387,126.

KENNETT

For Canned Mushrooms.
Claims use since 1925.

345,351. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PURITY PAINT PRODUCTS CORPORATION, Brooklyn, N. Y. Filed Jan. 16, 1937. Serial No. 387,879.

PURITY

For Ready Mixed Paints, Paint Enamels, Paint Pastes, Waterproofing Paints, Colors in Oil, and Varnishes.
Claims use since April, 1930.

345,352. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS, THEREOF.) OWENSBORO DITCHER & GRADER COMPANY, Owensboro, Ky. Filed Jan. 21, 1937. Serial No. 388,022.

THE Martin

For Road Graders, Farm Ditchers, Field Terracers.
Claims use since June, 1914.

345,353. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md. Filed Feb. 2, 1937. Serial No. 388,450.

COCKTAILOUNGE

For Davenports, Day Beds, Couches, Lounges, Chairs, Settees, and Sofas.
Claims use since Feb. 1, 1936.

345,354. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SILMO CHEMICAL COMPANY, INC., Vineland, N. J. Filed Feb. 27, 1937. Serial No. 389,483.

SPREAD-OL

For Fish Oil Sticker and Spreader Preparations for Insecticide and Horticultural Sprays.
Claims use since Apr. 15, 1935.

TRADE-MARK REGISTRATIONS RENEWED

114,636. COLORING-MATTER FOR THE HAIR. Registered December 26, 1916. ANNIE F. HABER. Renewed December 26, 1936, to Fannie R. C. Haber, New York, N. Y., assignee.

114,901. CERTAIN NAMED JEWELRY AND PRECIOUS-METAL WARE. Registered January 9, 1917. MAY & MALONE, Chicago, Ill. Renewed January 9, 1937, to May & Malone, Inc., Cincinnati, Ohio, a corporation of Ohio, successor.

114,961. TRUNKS. Registered January 16, 1917. FREDERICK & NELSON, Seattle, Wash. Renewed January 16, 1937, to Marshall Field & Company, Chicago, Ill., a corporation of Illinois, assignee.

115,055. WHEAT-FLOUR. Registered January 23, 1917. W. M. ATKINSON. Renewed January 23, 1937, to Atkinson Milling Company, Minneapolis, Minn., a corporation of Minnesota, successor.

115,068. GINGER-ALE. Registered January 23, 1917. CANTRELL & COCHRANE, LIMITED, Dublin and Belfast, Ireland, a corporation of the Kingdom of Great Britain and Ireland now of the Irish Free State. Renewed January 23, 1937.

115,184. WATCH-GLASSES. Registered January 30, 1917. HAMMEL, RIGLANDER & Co., New York, N. Y. Renewed January 30, 1937, to Société Anonyme Verreries De Trois-Fontaines, Trois-Fontaines (Mosell), France, a corporation of France, successor.

115,879. HOT-WATER BOTTLES. Registered March 20, 1917. A. S. CAMPBELL COMPANY, Boston, Mass. Renewed March 20, 1937, to A. S. Campbell Co., Inc., East Boston, Mass., a corporation of Massachusetts, assignee.

116,049. A PHARMACEUTICAL PREPARATION IN THE FORM OF POWDER AND TABLETS FOR THE RELIEF OF INDIGESTION. Registered April 3, 1917. FAIRCHILD BROS. & FOSTER, New York, N. Y., a corporation of New York. Renewed April 3, 1937.

116,449. HOSIERY. Registered May 1, 1917. PARAMOUNT KNITTING COMPANY, Chicago, Ill. Renewed May 1, 1937, to Bear Brand Hosiery Co., Kankakee and Chicago, Ill., a corporation of Illinois, assignee.

116,691. A STRETCHING-TOOL. Registered May 15, 1917. SIGNODE SYSTEM, INC. Renewed May 15, 1937, to Consolidated Steel Strapping Company, Chicago, Ill., a corporation of Delaware, by change of name.

116,692. A SEALING-TOOL. Registered May 15, 1917. SIGNODE SYSTEM, INC. Renewed May 15, 1937, to Consolidated Steel Strapping Company, Chicago, Ill., a corporation of Delaware, by change of name.

116,766. PEANUT-BAGS. Registered May 22, 1917. HOLCOMB & HOKE MFG. CO., Indianapolis, Ind., a corporation of Indiana. Renewed May 22, 1937.

116,862. A SEAL. Registered May 29, 1917. SIGNODE SYSTEM, INC. Renewed May 29, 1937, to Consolidated Steel Strapping Company, Chicago, Ill., a corporation of Delaware, by change of name.

116,863. A METAL STRAPPING FOR BOX-FASTENINGS OR THE LIKE. Registered May 29, 1917. SIGNODE SYSTEM, INC. Renewed May 29, 1937, to Consolidated Steel Strapping Company, Chicago, Ill., a corporation of Delaware, by change of name.

117,021. CHOCOLATES AND CONFECTIONS. Registered June 12, 1917. PAUL F. BEICH COMPANY, Bloomington, Ill., a corporation of Illinois. Renewed June 12, 1937.

117,026. PERFUMES, TOILET POWDERS, TOILET WATERS, AND SACHETS. Registered June 12, 1917. COLGATE & Co., Jersey City, N. J., and New York, N. Y. Renewed June 12, 1937, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

117,196. SOAP. Registered June 19, 1917. PEET BROS. MFG. CO., Kansas City, Kans. Renewed June 19, 1937, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee by mesne assignments.

117,239. COTTON PIECE GOODS. Registered June 26, 1917. AMERICAN BLEACHED GOODS COMPANY. Renewed June 26, 1937, to American Bleached Goods Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

117,515. ELECTRIC BATTERIES. Registered July 17, 1917. BURGESS BATTERY COMPANY, Madison, Wis. Renewed July 17, 1937, to Burgess Battery Company, Chicago, Ill., a corporation of Wisconsin.

117,606. BRONZING LIQUIDS, ENAMELS, AND BRONZE POWDERS. Registered July 17, 1917. THE PREMIER BRONZE POWDER CO. Renewed July 17, 1937, to The Ohio Bronze Powder Company, Cleveland, Ohio, a corporation of Ohio, assignee.

117,631. TOILET SOAPS. Registered July 24, 1917. THE ARMAND COMPANY, Des Moines, Iowa, a corporation of Iowa. Renewed July 24, 1937.

117,661. PURE AND ARTIFICIAL SILK THREADS. Registered July 24, 1917. M. HEMINWAY & SONS SILK CO., Watertown, Conn. Renewed July 24, 1937, to Belding Heminway Company, New York, N. Y., a corporation of Connecticut, assignee by mesne assignments.

117,721. COAL. Registered July 24, 1917. UTAH FUEL COMPANY, Clear Creek and Salt Lake City, Utah. Renewed July 24, 1937, to Utah Fuel Company, Salt Lake City, Utah, a corporation of New Jersey.

117,905. A BALM FOR EXTERNAL USE FOR THE ALLEVIATION OF INFECTIONS OF THE SKIN. Registered August 7, 1917. JOHN H. NIEMAN, Clay Center, Nebr. Renewed August 7, 1937.

117,995. ELECTRIC BATTERIES. Registered August 14, 1917. BURGESS BATTERY COMPANY, Madison, Wis. Renewed August 14, 1937, to Burgess Battery Company, Chicago, Ill., a corporation of Wisconsin.

117,996. ELECTRIC BATTERIES. Registered August 14, 1917. BURGESS BATTERY COMPANY, Madison, Wis. Renewed August 14, 1937, to Burgess Battery Company, Chicago, Ill., a corporation of Wisconsin.

118,051. BRASSIÈRES, LADIES' UNDERWAISTS, AND CORSETS. Registered August 14, 1917. KOPS BROS. Renewed August 14, 1937, to Kops Brothers, Inc., New York, N. Y., a corporation of New York, assignee.

118,185. CERTAIN NAMED PAPER AND STATIONERY. Registered August 21, 1917. THE HEINN COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed August 21, 1937.

118,284. HOUSEHOLD RUBBER GLOVES. Registered August 28, 1917. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio, a corporation of Ohio. Renewed August 28, 1937.

118,366. COTTON PIECE GOODS AND MIXED SILK AND COTTON PIECE GOODS. Registered August 28, 1917. WINDSOR PRINT WORKS, North Adams, Mass., and New York, N. Y. Renewed August 28, 1937, to Consolidated Textile Corporation, New York, N. Y., a corporation of Delaware, assignee.

118,383. CERTAIN NAMED KNITTED, NETTED, AND TEXTILE FABRICS. Registered September 4, 1917. L. C. CHASE & COMPANY, Boston, Mass. Renewed September 4, 1937, to Sanford Mills, Sanford, Maine, a corporation of Maine, assignee.

118,451. CORSETS. Registered September 4, 1917. THE WARNER BROTHERS COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed September 4, 1937.

LABELS

REGISTERED APRIL 20, 1937

49,222.—*Title:* GREEN MOUNTAIN MAPLE LIQUOR. For Maple Liquor. GREEN MOUNTAIN DISTILLERY, INC., Burlington, Vt. Published January 28, 1937.

49,223.—*Title:* HONG KONG. For Chow Mein Noodles. HONG KONG FOOD PRODUCTS CO., Chicago, Ill. Published April 7, 1936.

49,224.—*Title:* VOLUME ONE BUSHEL. For Potatoes. PIERPONT MANUFACTURING COMPANY, Savannah, Ga. Published January 1, 1937.

PRINTS

REGISTERED APRIL 20, 1937

16,166.—*Title:* SCHULTZ. For Bock Beer. SCHULTZ BREWING COMPANY, INCORPORATED, Union City, N. J. Published March 10, 1937.

REISSUES

APRIL 20, 1937

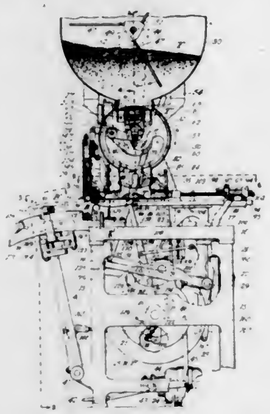
20,334

SCRAP BUNCH MACHINE

Frederick C. Gladeck, Brooklyn, and James P. Durning, St. Albans, N. Y., assignors to International Cigar Machinery Company, a corporation of New Jersey

Original No. 1,915,525, dated June 27, 1933, Serial No. 629,966, August 22, 1932. Application for reissue June 25, 1935, Serial No. 28,378

34 Claims. (Cl. 131—42)



26. In a machine for making scrap bunches, the combination with a hopper for holding a supply of scrap tobacco, of a measuring chamber below said hopper, a rotatable pocketed transfer drum adapted to receive a quantity of tobacco, mechanism for intermittently imparting annular motion to said drum to remove a quantity of tobacco from said hopper and deliver it to said measuring chamber, means for compressing the tobacco in said measuring chamber, means for rolling a charge of tobacco in a bunch binder, and means for cutting off a charge from the tobacco in said measuring chamber and delivering it to said rolling means.

20,335

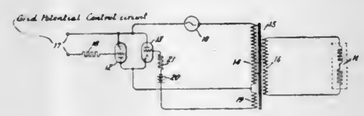
ELECTRIC VALVE TRANSLATING CIRCUIT

Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original No. 1,970,515, dated August 14, 1934, Serial No. 698,298, November 16, 1933. Application for reissue June 28, 1935, Serial No. 28,884

15 Claims. (Cl. 250—27)

1. An electric valve translating circuit comprising a source of alternating current, an alternating current load circuit, means including a pair of controlled electric valves connected to control the current transmitted from said source to said load circuit, an external control circuit connected to the control electrode of only one of said valves for controlling the conductivity thereof, means for normally maintaining the other valve non-conductive and for controlling the conductivity of



said other valve in response to the conductivity of said first mentioned valve.

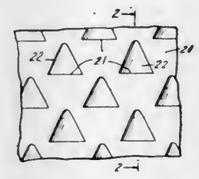
20,336

MOTION PICTURE SCREEN

Albert L. Raven, Mount Vernon, N. Y.

Original No. 1,880,279, dated October 4, 1932, Serial No. 474,124, August 9, 1930. Application for reissue October 3, 1934, Serial No. 747,034

15 Claims. (Cl. 88—24)



1. A screen for the projection of pictures accompanied by sound comprising sheet material in sheet form having horizontal incisions therein, each incision forming a downwardly and an upwardly facing edge offset from one another, and a projection on one of said edges to cause them to overlap forming an oblique sound passage, the said sound passages passing in a common direction from the rear to the front face of the screen.

20,337

RUBBER AND RUBBERIZED SANITARY GARMENT

Jacob Stein, New York, N. Y., and Hugh H. Mosher, Jersey City, N. J., assignors to Jacob Stein, doing business as Climax Rubber Company

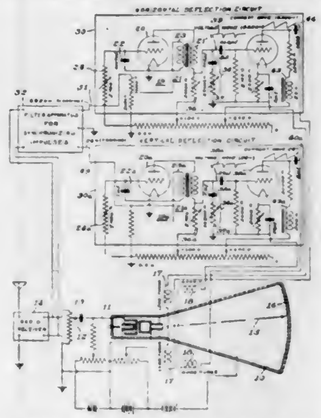
No Drawing. Original No. 2,023,253, dated December 3, 1935, Serial No. 629,760, August 20, 1932. Application for reissue January 14, 1937, Serial No. 120,502

14 Claims. (Cl. 106—23)

1. As a new article of manufacture, an article of wearing apparel having sheet rubber parts adapted for wear adjacent the body emissions, said rubber parts having incorporated therein and dispersed throughout a substantial proportion of water soluble basic agents for neutralizing acids and for absorbing and neutralizing the end products of human protein metabolisms, and salicylamide.

20,338
TELEVISION SYSTEM
William A. Tolson, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original No. 1,999,378, dated April 30, 1935, Serial No. 608,460, April 30, 1932. Application for reissue June 24, 1936, Serial No. 87,047
20 Claims. (Cl. 250—36)

1. In an electrical circuit for developing a voltage wave comprising a saw-tooth component and an impulse component, an electric discharge tube having a plate, a grid and a cathode, an input circuit connected between said grid and said cathode, an output circuit conductive to direct current connected between said plate and said cathode, said input circuit being excited from said output circuit in such manner that as the plate current increases the bias on the grid of said tube increases in the positive sense and as the plate current decreases said bias increases in the negative sense, an electrical network comprising a condenser and a resistance in series and connected across at least a portion of said output circuit, and means for charging said condenser substantially linearly whereby said saw-tooth component appears across said condenser and said



impulse component appears across said resistance.

PLANT PATENTS

GRANTED APRIL 20, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

245
ROSE
Warwick G. Bate, Newton Falls, Ohio
Application May 9, 1936, Serial No. 78,892
1 Claim. (Cl. 47—61)

A rose plant such as that herein shown and described which is characterized by flowers of large size composed of petals colored mainly by yellow and pink pigments, the inner tips of the petals being yellow and the yellow gradually fading from the inner tip to the central portion of the petal, the pink showing almost entirely on the outer face of the petal and being dispersed throughout nearly the entire outer face of the petal in the bud, the color of the inner half of the outer face being modified by the yellow, the pink pigment gradually flowing outwardly away from the yellow during the opening and aging of the flower.

246
ROSE
Frank C. Raffel, Stockton, Calif.
Application October 24, 1936, Serial No. 107,327
1 Claim. (Cl. 47—61)

The climbing hybrid tea rose herein described characterized by its fullness of bloom and persistence of color as compared with the "Climbing Golden Emblem" variety.

247
BERRY
Hallack F. Greider, Vashon, Wash.
Application February 11, 1935, Serial No. 5,985
1 Claim. (Cl. 47—62)

The berry substantially as herein disclosed, characterized by its hardiness and prolific fruiting.

PATENTS

GRANTED APRIL 20, 1937

2,077,375
APPARATUS FOR TESTING SPEEDOMETERS
Jeremiah Abraham, Elmhurst, Ill.
Application September 4, 1936, Serial No. 99,405
3 Claims. (Cl. 73—51)



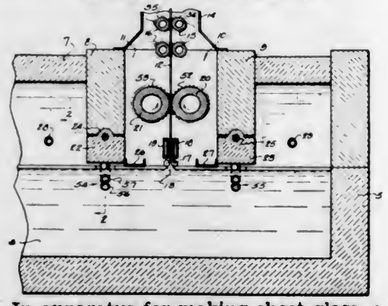
2. In combination, an endless member, means for guiding said member for horizontal travel parallel to a roadway, said member having markers thereon, a constant speed motor and gearing connecting the motor to the member whereby a predetermined speed of travel of the markers may be maintained.

2,077,376
AUTOMOBILE DECKING DEVICE
Lawson H. Cooper, Flint, Mich.
Application April 1, 1935, Serial No. 14,086
11 Claims. (Cl. 105—368)



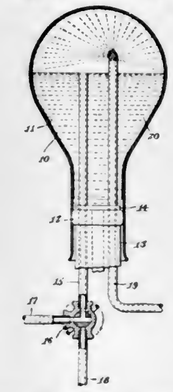
1. In a transporting vehicle having a floor, said floor having openings therein corresponding in position to the wheels of an automobile, vertical movable elements in said opening each adapted in raised position to form a part of the floor and in lowered position to form wells in the floor into which the wheels of an automobile may be lowered, and means associated with each of said elements for elevating the same to raised position.

2,077,377
METHOD AND APPARATUS FOR PRODUCING SHEET GLASS
John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 24, 1934, Serial No. 727,315
10 Claims. (Cl. 49—17)



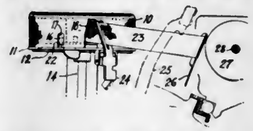
6. In apparatus for making sheet glass, a furnace containing a mass of molten glass and including a working end confining a relatively deep body of molten glass free and unobstructed throughout its depth and constituting a drawing area, means for drawing a sheet upwardly from the uppermost strata of glass in said drawing area, cooling devices submerged in the mass of molten glass beneath the uppermost strata thereof at opposite sides of the drawing area and extending transversely of said furnace for cooling the upper strata of glass flowing thereover to the point of sheet formation, and means for internally cooling said cooling device.

2,077,378
PROCESS OF METAL COATING GLASS
Pincus Deren, Magnolia, Mass., assignor, by mesne assignments, to Birdseye Electric Corporation, Dover, Del., a corporation of Delaware
Application October 21, 1935, Serial No. 45,947
9 Claims. (Cl. 41—43)



2. The process of inside silvering the bowl end surface of a lamp bulb, which consists in silver coating the interior of the bulb, filling the bulb to a predetermined level with sodium hydrate, and then washing the remainder of the bulb with nitric acid to dissolve the silver which is unprotected by the sodium hydrate.

2,077,379
TYPEWRITING MACHINE
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application April 24, 1935, Serial No. 17,904
8 Claims. (Cl. 197—186)



1. In a typewriting machine, the combination with a base-plate, of a ribbon-spool cover having on its opposite sides nibs projecting downwardly, said base-plate having means to catch said nibs to hold the cover upon the base-plate; said catching means having the form of openings cut in the

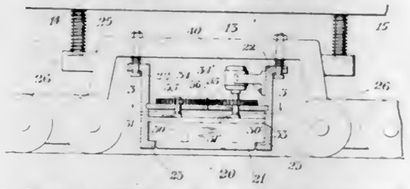
base-plate, one of said openings having a bevel side edge, and the nibs being inserted in said openings and hooked under the base-plate, the nib on one side being insertible to anchor the cover, and the nib on the other side being in the form of a snap which is thrust down through the bevel-sided base-plate opening and swung into engagement therewith, by a twisting motion of the nib with reference to a vertical axis, by downward pressure upon the cover, said bevel edge serving to press the cover-nib inwardly, to permit it, when fully depressed, to snap outwardly into hooking engagement with the base-plate.

2,077,380

RAIL FLAW DETECTOR MECHANISM

Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application March 7, 1935, Serial No. 9,751
11 Claims. (Cl. 175—183)



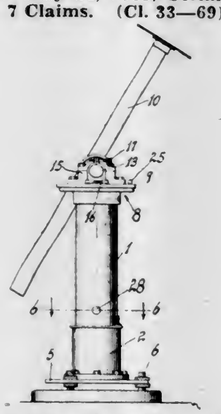
1. In a rail flaw detector car adapted to move along the rails, means including a source of current supply and a current brush carriage adapted to engage the rail for supplying current to the rail, a flaw detector carriage supported on said current brush carriage for movement relative to said current brush carriage and laterally with respect to the rail head, flaw responsive means carried by said flaw detector carriage, and means for periodically moving said flaw detector carriage relative to said current brush carriage and laterally of the rail head.

2,077,381

CALIBRATING AND TESTING TOOL FOR BORE HOLE SURVEYING INSTRUMENTS

Harlan John Eastman, Long Beach, Calif.

Application May 24, 1935, Serial No. 23,263
7 Claims. (Cl. 33—69)



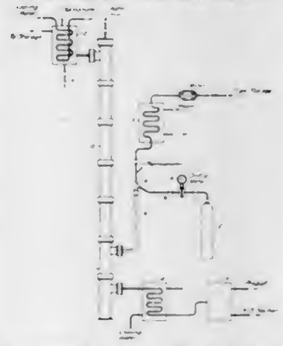
1. A calibrating and testing tool for bore hole surveying instruments, comprising a tubular stand, a collar in which the stand is journaled, leveling means on the collar, a head on the stand, instrument supporting means pivotally mounted on the head, a vertical protractor on the instrument supporting means, and a horizontal scale on the collar whereby the angle of rotation of the stand may be determined.

2,077,382

PROCESS FOR HALOGENATION OF ORGANIC COMPOUNDS

William Engs and Arthur Redmond, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application October 7, 1935, Serial No. 43,947
20 Claims. (Cl. 260—166)



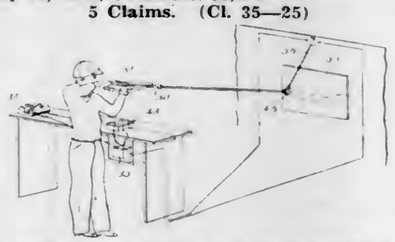
1. In a process of halogenating, by substitution, an organic compound capable of reacting with the halogen acid formed and containing a plurality of carbon atoms, the steps of contacting the reaction products substantially as fast as formed with a substantially non-reactive solvent for the halogen acid produced and separating the halogenated organic product from the resulting halogen acid solution whereby prolonged contact of halogen acid solution with other components of the reaction mixture is avoided.

2,077,383

TESTING APPARATUS

George A. Foisy, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland

Original application September 2, 1932, Serial No. 631,464. Divided and this application February 24, 1936, Serial No. 65,199
5 Claims. (Cl. 35—25)



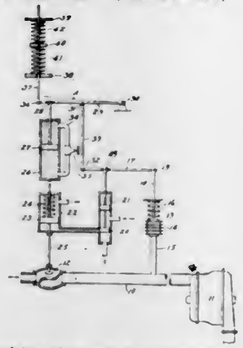
1. Apparatus of the character described comprising a light source under control of an operator to be tested, a light sensitive cell, a time indicating device, an electric circuit, said circuit including said light sensitive cell and also including means to control the operation of the time indicating device to mark the end of the indicating period, said means being operable when light rays from said light source are directed on said light sensitive cell.

2,077,384

REGULATING ARRANGEMENT FOR ELASTIC FLUID POWER PLANTS

Paul Dèttenborn, Berlin-Steglitz, Germany

Application July 13, 1933, Serial No. 680,299.
In Germany July 16, 1932
4 Claims. (Cl. 50—10)



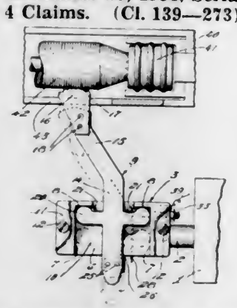
1. The combination of a consumer, a conduit for conducting elastic fluid to the consumer, valve means in the conduit for controlling the flow of fluid, and a governing mechanism for controlling the valve means comprising a device responsive to a condition of the fluid and being connected to the conduit behind the valve as regards the direction of flow, a control member having a neutral position and being directly connected to and moved by the device in response to any change in flow, a motor connected to the valve means and controlled by the control member in response to any movement of the latter, a fulcrumed lever connected to the control member, a dashpot connecting the motor to the lever, and spring means connected to the fulcrumed lever for maintaining constant the condition of the fluid at varying flow.

2,077,385

WEFT DETECTOR MECHANISM

Emil F. Arzt, Central Falls, R. I.

Application December 26, 1934, Serial No. 759,175
4 Claims. (Cl. 139—273)



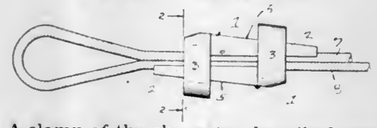
1. In a weft detector mechanism for looms comprising a fixed support provided with opposed walls forming a transverse guideway having laterally reduced and laterally enlarged portions, a weft detector member having a longitudinally extending portion of less width than the reduced portion of said guideway slidably mounted in said guideway for angular and longitudinal sliding movement relative to said support and provided with oppositely positioned arms extending outwardly from the longitudinally extending portion thereof within the laterally enlarged portion of said guideway, spring means connecting said support and detector member for exerting tension upon said detector member in a direction substantially along the central longitudinal line of the longitudinal portion thereof, an insulated electric contact member, and contact means carried by said weft detector member and movable into engagement with the electric contact member to close an electric circuit upon angular sliding movement of said weft detector member in one direction relative to said support.

2,077,386

CLAMP FOR CABLES, WIRES, ROPES, AND THE LIKE

John L. Bairley, Murphys, Calif.

Application May 6, 1935, Serial No. 20,026
Renewed July 6, 1936
3 Claims. (Cl. 24—136)



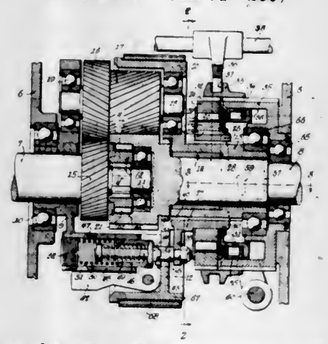
1. A clamp of the character described comprising a pair of like members each having a longitudinally disposed groove in the interior thereof, said members being spaced from each other and adapted when in operative relationship to mutually form a longitudinal parallel and transversely elliptical seat for the overlapping ends of a pair of cables, ropes or the like, each member having the exterior thereof tapered longitudinally; and a hollow housing projecting outwardly on the grooved side of each member adjacent an end thereof, the interior of each housing being tapered to receive the tapered exterior of the other member and operating when said members are advanced axially toward each other to decrease the area of the elliptical seat and to increase the area of said elliptical seat when the members withdrawn axially from each other, and each housing having a longitudinally disposed slot cut therethrough on the side thereof opposite the member of which said housing is a part.

2,077,387

CHANGE SPEED PLANETARY TRANSMISSION

Oscar H. Banker, Chicago, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Illinois

Application July 16, 1934, Serial No. 735,412
Renewed March 22, 1935
13 Claims. (Cl. 74—260)



1. In a change speed transmission, the combination of a drive shaft, a driven shaft, change

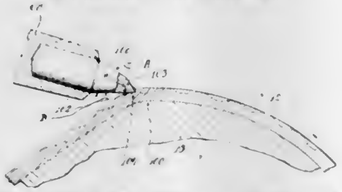
speed planetary gearing between said shafts for driving said driven shaft at a different gear ratio from that of said drive shaft, jaw clutch mechanism of the overrunning type for connecting said gearing to revolve as a unit with said shafts for direct drive, speed responsive means controlling said clutch mechanism, and an overrunning clutch forming a drive connection between said shafts for reverse drive.

2,077,388

RECORDING AND REPRODUCING SOUND

Max Bender, Astoria, N. Y., assignor, by mesne assignments, to United Acoustigraph Corporation, a corporation of Nevada

Application May 21, 1931, Serial No. 539,103
Renewed January 14, 1936
13 Claims. (Cl. 274—46)



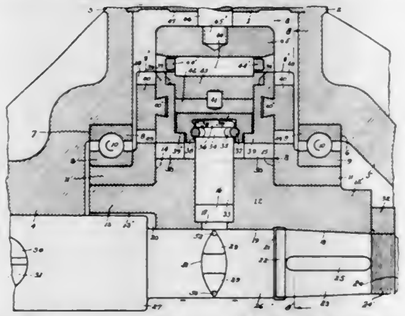
1. The method of cutting a "hill and dale" sound record groove in a thin flexible film of tough plasticized material by means of a cutting tool formed with a sharp cutting edge which, method consists in causing said tool to vibrate in directions substantially normal to the film in accordance with sound waves to be recorded and drawing film against said edge over an arc which, at the point of cutting, has radius substantially less than one half inch.

2,077,389

HYDRAULIC PUMP OR MOTOR

Elek K. Benedek, Bucyrus, Ohio

Application January 25, 1935, Serial No. 3,455
12 Claims. (Cl. 103—161)



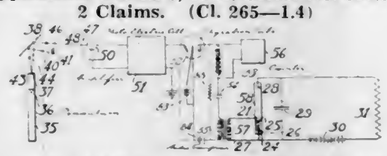
1. In a pump or motor of the character described, a casing, an internal annular bearing race within the casing, anti-friction bearings in said race, a cooperating inner bearing race within the casing, a rotor within the casing coaxial with said races and having a radially extending body and a hub protruding from the body at one end into and coaxial with the inner race and spaced radially therefrom, a secondary rotor mounted within the casing, coupling means drivingly connecting the rotors and an annular hub on the coupling means extending between the inner race and the rotor hub and having its circumferential surfaces in tight fitting contact with said rotor hub and inner bearing race respectively and said coupling means having a radial portion contiguous to the hub portion and extending between the radially extending body and adjacent end of said inner race and having its opposite face in juxtaposition with the said body and inner race for constraining said radial portion to fixed position axially of the axis of rotation.

2,077,390

FREQUENCY COMPARING DEVICE FOR DETERMINING THE FORCE OF GRAVITY

Ludwig W. Blau, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application March 6, 1933, Serial No. 659,821
2 Claims. (Cl. 265—1.4)



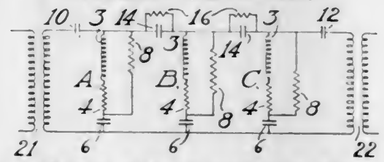
1. In an apparatus for geophysical gravitational prospecting, a gravity responsive pendulum, means for converting the beats of the pendulum into pulsations of energy, means for counting the pulsations, a source of vibrations of constant frequency, means for converting the vibrations into pulsations of energy proportional to the vibrations, means for selecting pulsations from the source proportional to predetermined multiples of the vibrations, means for counting the last mentioned pulsations, and means for recording the three sets of pulsations near the beginning and end of the observation period upon a common record for the purpose of comparing the frequencies of the pendulum and source.

2,077,391

DAMPED WAVE FILTER

Ludwig W. Blau, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application September 8, 1934, Serial No. 743,287
17 Claims. (Cl. 177—352)



11. Reflection shooting apparatus, which comprises means for transforming elastic vibrations into electric pulsations, means for filtering out undesired low frequency pulsations, means for separately damping high and low frequency oscillations originating in the filter, means for amplifying the desired high frequency oscillations, and means for recording the amplified oscillations.

2,077,392

TOOTH BRUSH

Chester V. Boyd, Rockford, Ill., assignor to Noo Tooth Brush, Inc., Rockford, Ill., a corporation of Illinois

Application June 27, 1935, Serial No. 28,662
5 Claims. (Cl. 15—167)

1. A toothbrush comprising an elongated straight handle having an upwardly bent end portion at an obtuse angle thereto, and an inverted U-shaped head from the middle of which the bent end of the handle extends, the head being disposed in a plane in transverse relation to the handle and making substantially a right angle with the bent end portion, whereby said head



is at an obtuse angle with respect to the straight part of the handle, and bristles on said head projecting from the inside surfaces thereof inwardly toward each other from the opposite side portions approximately in the same plane with the straight portion of the handle.

2,077,393

PAPER MANUFACTURE

Arthur Minard Brooks, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts

No Drawing. Application September 26, 1934, Serial No. 745,649
19 Claims. (Cl. 92—21)

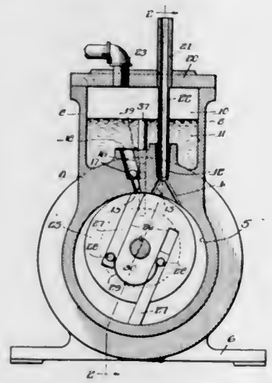
1. Substantially white printing paper comprising fibrous material and at least five per cent. by weight of substantially white substantially water-insoluble oxalate filler.

2,077,394

LIQUID SEALED PUMP

Frederick L. Buenger, Chicago, Ill., assignor of one-half to Arthur C. Johnson, Chicago, Ill.

Application May 28, 1934, Serial No. 727,860
5 Claims. (Cl. 230—205)



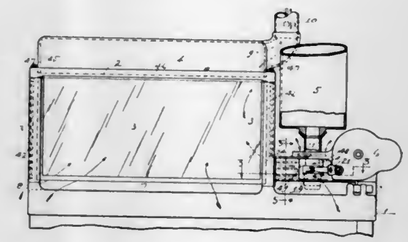
1. A liquid sealed pump comprising a unitary casing having a lower rotor opening and a liquid receiving chamber above it with passages directly between the opening and the chamber, a pair of end plates directly attached to the casing to close the rotor opening having apertures to form end bearings, a vaned rotor for the casing having a shaft mounted in the bearings, means forming a valve in one of the passages to admit pressure from the rotor to the chamber, a tight cover for the top of the chamber having a pipe extending through it and the chamber and into another opening between the chamber and the rotor opening, the chamber being adapted to contain a sealing liquid through which the said pipe extends.

2,077,395

FOOD COOKING MACHINE

George L. Chapel, Grand Rapids, Mich.

Application May 21, 1936, Serial No. 80,985
8 Claims. (Cl. 53—7)



1. In a cooking machine of the class described mechanism for separating a portion of the food to be cooked from a mass thereof, comprising: a pair of cooperating cutting elements mounted for axially tilting movement from operative position, having an operative relative movement axially and a relatively turnable movement about their axis, one of said elements having a shelf portion and the other element having a trunnion and a rib portion; a driving member having a slot in which the trunnion is engaged for operating the second-mentioned element and from which the trunnion is withdrawn by the tilting of the elements from operative position, the rib being adapted to be engaged by the shelf portion to support the second-mentioned element in the withdrawn position of the trunnion and in one turned position of said element and to be disengaged from the shelf portion in another turned position of the second-mentioned element.

2,077,396

MOISTUREPROOF MATERIAL

William Hale Charch, Buffalo, and Albert Hershberger, Kenmore, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 24, 1934, Serial No. 712,794. Renewed November 17, 1936
11 Claims. (Cl. 91—68)

1. An article of manufacture suitable for use as a wrapping tissue comprising a substantially transparent and non-fibrous base sheet formed of a material of the class which consists of cellulosic and albuminous substances coated on both sides thereof with a composition comprising a wax, a cellulose derivative and a substance selected from the class which consists of pale crepe rubber, balata, gutta percha, caoutchouc, hydrogenated rubber, chlorinated rubber and "Pliofform", the thickness of the coatings and the proportions of the ingredients thereof being such as to produce a transparent, moistureproof and flexible coating, the total thickness of the coatings on both sides being from 0.00001 to 0.00015 of an inch, said article being moistureproof, transparent and flexible.

2,077,397

HARD SURFACING WELDROD

Magnus Christensen, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application July 18, 1934, Serial No. 735,827
8 Claims. (Cl. 219—8)

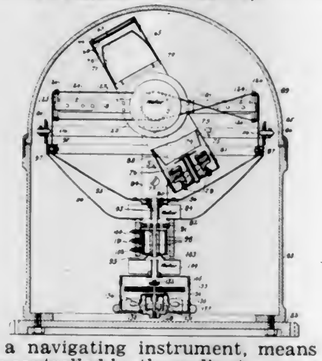
1. A weldrod comprising a steel rod provided with a rod-adherent coating composition inclusive of a larger portion of silicon carbide than of any other initially solid ingredient.

2,077,398

NAVIGATING INSTRUMENT

Joseph C. Clark, Merchantville, N. J., assignor of one-half to The Ludington Corporation, Philadelphia, Pa., a corporation of Delaware, and one-half to N. S. Ludington Securities Company, Camden, N. J., a corporation of Delaware

Application October 3, 1934, Serial No. 746,743
93 Claims. (Cl. 33—1)



44. In a navigating instrument, means automatically controlled by the radiant energy of and movable to point at a celestial body, and means operatively coupled therewith to indicate position.

2,077,399

MOISTUREPROOF FILMS

Arnold M. Collins and Louis L. Larson, Wilmington, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 23, 1934, Serial No. 736,618
7 Claims. (Cl. 91—68)

1. A transparent, flexible, moistureproof, nonporous, non-fibrous cellulosic film coated with a moistureproofing composition containing chloro-2-butadiene-1,3 polymer and a wax material present in said composition in such an amount as to impart moistureproofness to the film.

2,077,400

MOISTUREPROOF MATERIALS AND METHOD OF MAKING SAME

John H. Collins, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 12, 1932, Serial No. 586,249
36 Claims. (Cl. 91—68)

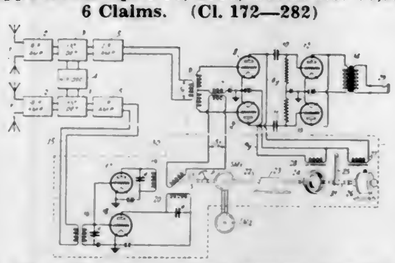
1. An article of manufacture comprising a base formed of a sheet of a non-fibrous and transparent material coated with a composition comprising a film-forming substance and a moistureproofing wax in proportions and of a thickness to produce a transparent moistureproof product, said film-forming substance being selected from the group which consists of natural rubber, including gutta percha, balata and caoutchouc; synthetic rubbers, including polymers of isoprene, butadiene and their homologues; and rubber derivatives, including chlorinated rubber.

2,077,401

DIRECTIVE CONTROL SYSTEM

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 30, 1936, Serial No. 77,138
6 Claims. (Cl. 172—282)



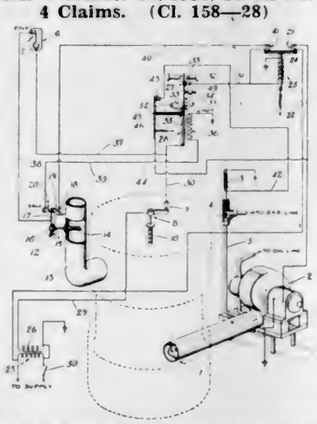
1. In a directive control system, a radio receiver having two aerials spaced apart, means in said receiver for combining the energies collected by said aerials, means operable in dependence upon the phase relationship between the energies collected by said aerials for introducing phase compensation into the energy combining means, and steering apparatus operable under control of the phase compensating means.

2,077,402

SYSTEM OF CONTROL FOR LIQUID FUEL BURNERS

George Forrest Drake, Rockford, Ill., assignor to Howard D. Colman, Rockford, Ill.

Application December 31, 1931, Serial No. 584,118
4 Claims. (Cl. 158—28)



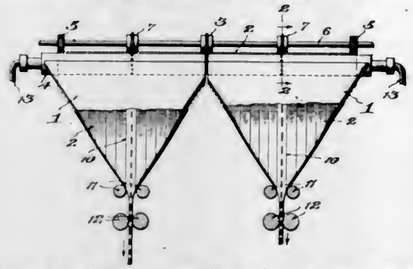
2. In combination with a heating system having a furnace heated by a liquid fuel burner driven by an electric motor, a control circuit including said motor, an electromagnetic switch adapted when energized to maintain operation of said motor, a thermostatic switch responsive to temperature changes in the space to be heated, a slow-acting device operable when energized to cause energization of said electromagnet and subsequently to deenergize the electromagnet, and switching mechanism responsive to combustion conditions in said furnace and acting jointly with said thermostatic switch in the absence of combustion to control the energization of said slow-acting device and in the event of successful ignition of the fuel to assume control and maintain energization of said electromagnet independently of said slow-acting device.

2,077,403

PRINTING PRESS FOR NEWSPAPER WORK

Maurice Eiseman, Washington, D. C.

Application October 9, 1930, Serial No. 487,606
19 Claims. (Cl. 270—5)



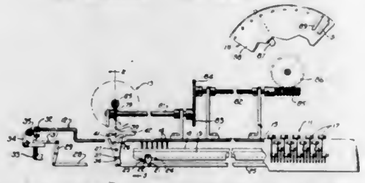
1. In a printing press for printing newspapers, the combination with a former, of means cooperating therewith for forming a line of perforations in a printed web of paper as it passes along the former and in such portions of the web as will subsequently constitute the fold lines of the finished newspaper product of the printing press.

2,077,404

KEYBOARD PERFORATOR AND COUNTER

Arthur G. Eklund, Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, Chicago, Ill., a corporation of Delaware

Application January 21, 1935, Serial No. 2,663
12 Claims. (Cl. 164—112)



1. In an apparatus, a plurality of elements, means to permit the actuation of said elements, a uni-directional counting organ comprising a plurality of slidable members arranged nonradially and substantially in the form of a right cylinder, and means effective through the areal cooperation of said members and said elements to control the incremental progressive movement of said counting organ.

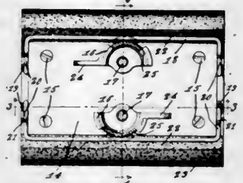
2,077,405

SANDING BLOCK

Conrad Christian Enge, Petersburg, Territory of Alaska

Application March 7, 1936, Serial No. 67,724
5 Claims. (Cl. 51—187)

1. As an article of manufacture a block having a sunken top providing angled ledges opposite each other at the sunken top, a pair of latching cams swingingly supported in the sunken top, and clamping bails swingingly carried by the block and movable between the cams and said ledges



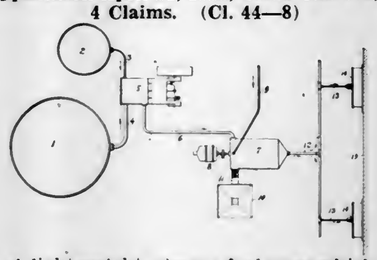
for the clamping of abrasive material when wrapped about the block.

2,077,406

FUEL AND PROCESS OF MAKING THE SAME

Moritz Gaertner, Jackson Heights, N. Y.

Application April 21, 1928, Serial No. 271,707
4 Claims. (Cl. 44—8)



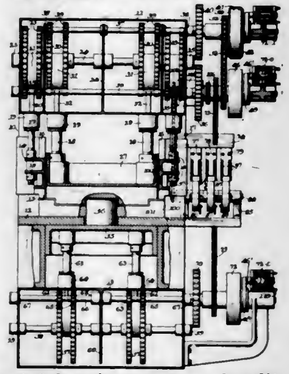
4. A light weight, viscous fuel mass which comprises a light weight, porous, stable mass of hydrocarbon oil containing a multiplicity of bubbles of air not under pressure enveloped within films of said oil, said films surrounding said air bubbles being stabilized by the presence of a stabilizer.

2,077,407

METAL DRAWING PRESS

Rudolph W. Glasner, Chicago, Ill., assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois

Application August 4, 1934, Serial No. 738,555
4 Claims. (Cl. 113—38)



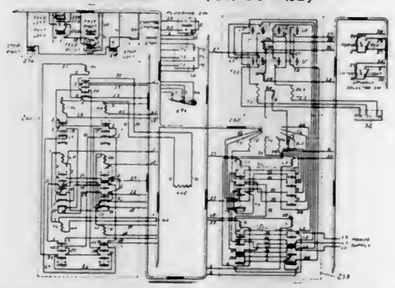
1. In a metal drawing press, a plurality of slides operating separately upon the work, actuating means individual to the slides, a source of power, operative connections between the said source of power and each of said actuating means, said connections embodying clutch devices individual to the slides, means individual to the clutch devices for controlling them, the last said means including electro-responsive devices individual to each of the clutches, switch devices individual to the said electro-responsive devices for causing the

latter to become energized and de-energized, rotatable elements individual to the switch devices, power means common to said elements for rotating them, and means adjustably connected to each of the said elements and coacting with the respective said switch devices for selectively rendering the clutch devices active and inactive at predetermined times in the cycle of operation of the press to cause the slides to operate in any order or sequence.

2,077,408
MACHINE TOOL

Benjamin P. Graves, Cranston, and Arthur F. Bennett, West Barrington, R. I., assignors, by mesne assignments, to Brown and Sharpe Manufacturing Company, Providence, R. I., a corporation of Rhode Island

Application March 9, 1934, Serial No. 714,809
50 Claims. (Cl. 90—21)



25. In a machine tool, the combination of a tool, a movable work support, a drive shaft, connections including cooperating feed screw and nut elements for driving the table from said drive shaft, a take-up device having a take-up action to provide a tight operating engagement between said feed screw and nut elements, a driven slow feed clutch member sleeved on said shaft, a driven quick traverse clutch member sleeved on said shaft, a cooperating slow feed and quick traverse clutch member rigidly secured to the shaft between said driven clutch members, means for moving said drive shaft and slow feed and quick traverse clutch member axially from an intermediate neutral position to drive the work support alternatively at a slow feed or quick traverse rate, connections rendered operative by the movement of the drive shaft and clutch from slow feed to neutral or quick traverse position to ease off said take-up device to permit a free operating engagement between said feed screw and nut elements, hand feed connections including a normally inoperative clutch connection with said drive shaft, and a hand feed control member acting when rendered operative to move said drive shaft and slow feed and quick traverse clutch to an intermediate neutral position, and simultaneously to permit the engagement of said hand feed clutch.

2,077,409
CATALYTIC HYDROGENATION OF FURFURAL

George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

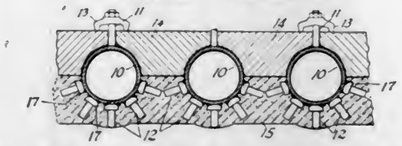
No Drawing. Application September 16, 1931, Serial No. 563,216
4 Claims. (Cl. 260—54)

1. The process of producing furfuryl alcohol which comprises reacting liquid furfural and hydrogen in the presence of a catalyst consisting of copper supported on zinc oxide.

2,077,410
FURNACE

Isaac Harter, New York, N. Y., and Perry R. Cassidy, Short Hills, N. J., assignors, by mesne assignments, to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application February 20, 1932, Serial No. 594,200
Renewed January 4, 1936
10 Claims. (Cl. 122—6)



1. In a boiler furnace wall, a row of spaced wall cooling tubes, diametrically opposed rows of staggered headed metallic studs welded to the tubes in the plane of the wall and disposed between adjacent tubes, and projections between said rows so as to present an uneven surface on the face of the tube exposed to the furnace heat and the slag deposited from burning gases in the furnace.

2,077,411
PROCESS OF TREATING FRUIT

Rodney B. Harvey, St. Paul, Minn.

No Drawing. Application May 23, 1934, Serial No. 727,108. Renewed June 29, 1936
3 Claims. (Cl. 99—103)

1. The method of blanching fruits, the protective coverings of which are normally intimately associated with oily substances, fruit waxes, and chlorophyll bearing cells, comprising bringing the fruit into intimate contact with a blanching liquid comprising an olefin hydrocarbon.

2,077,412
PROCESS FOR THE PREPARATION OF A MOLDED CELLULOSE FOAM FROM VISCOSE AND PRODUCT THEREOF

Reginald Oliver Herzog, Berlin-Steglitz, and Helmut Hoffmann, Berlin-Lichterfelde, Germany; Maria Brunhilde Herzog, administratrix of said Reginald Oliver Herzog, deceased, assignors of forty per cent to Eugene J. Lorand, Wilmington, Del.

No Drawing. Application May 27, 1931, Serial No. 540,496. In Germany June 4, 1930
13 Claims. (Cl. 18—48)

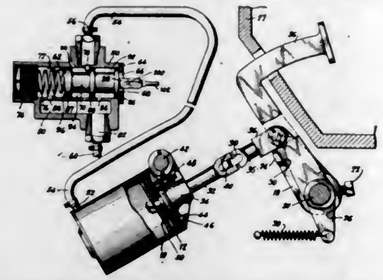
1. A process for the preparation of slabs, blocks and the like in any desired shape from viscose, said slabs, blocks, etc. having a light cellular foam-like structure, comprising the steps of converting the viscose into a foam, which will hold the bubbles embedded therein, molding the viscose foam in a mold into any desired shape and regenerating the cellulose from the molded viscose by spontaneous decomposition while in the molded state, for forming a solid mass.

2,077,413
AUTOMATIC CLUTCH CONTROL

Albert A. Hodgkins, Leonia, N. J., assignor, by mesne assignments, to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application December 12, 1931, Serial No. 580,526
5 Claims. (Cl 192—.01)

1. In a controlling device for a pneumatically operated motor comprising a casing, a port therein communicating with the motor, spaced ports therein communicating with a chamber in which sub-atmospheric pressure fluctuates, and a bleed port therein, a member movable therein between at least two positions, said member having two oppositely disposed faces, means to constantly expose one of said faces to sub-atmospheric pressure through one of said spaced ports, a vent to expose the other face to atmospheric pressure,

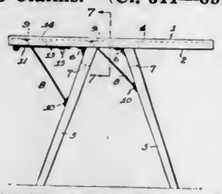


and means to apply a predetermined force to said member acting in the direction opposite to the force of atmospheric pressure, said member being formed with a passage establishing communication between the first named port and the other spaced port in one position and a passage establishing communication between the first named port and the bleed port in a second position.

2,077,414
CARD TABLE

Isaac Elbert Hunting, Detroit, Mich.

Application March 26, 1936, Serial No. 70,914
6 Claims. (Cl. 311—85)



1. In a foldable table, the combination of a table top, supporting legs, an operating member slidable transversely of said top therebeneath, said legs being arranged in pairs and the legs of each pair rigidly connected and each pair pivotally connected at its upper end to said member, and bracing means pivotally connected to said top and to each pair of legs below its pivotal connection to said operating member to swing said pairs of legs simultaneously in the same direction toward and from said top.

2,077,415
GUN

William E. House, United States Army, Auburndale, Fla.

Application July 26, 1935, Serial No. 33,334
3 Claims. (Cl. 89—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

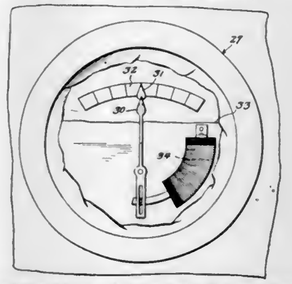


3. In a gun, a receiver, a barrel fixed in the receiver, a member mounted for limited reciprocal movement in the receiver, an independently reciprocable recoil actuated bolt carried by said member and coupled to and uncoupled from said member during its forward and rearward movement, means carried by said member for locking it to the receiver, and a gas operated piston for unlocking the locking means and moving said member rearwardly.

2,077,416
AUTO GAUGE

Robert Jensen, Sioux City, Iowa

Application October 25, 1933, Serial No. 695,171
1 Claim. (Cl. 177—311)

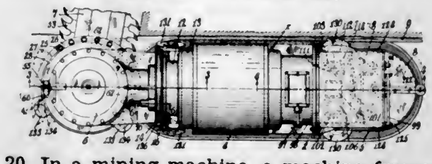


The combination of front and rear axles of an automobile, a pair of pendulums, means for mounting one of the pendulums on each of the axles, a pair of resistance elements, means for mounting one of the resistance elements rigidly with each of the axles, a contact device engaging each of the resistance elements, means connecting each pendulum with the corresponding contact device to move the contact device to vary the resistance as the pendulum moves relative to the axle upon tilting of the axle from its normal horizontal position, an indicating device, comprising a pair of pointers, means for mounting the pointers for co-axial movement, electrical means for moving each of the pointers a distance depending upon the current flowing through the electrical means, a battery, and circuit means for connecting each of the contacts and resistance elements with one of the electrical means and the battery.

2,077,417
MINING MACHINE

Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application November 12, 1934, Serial No. 752,670
29 Claims. (Cl. 262—30)

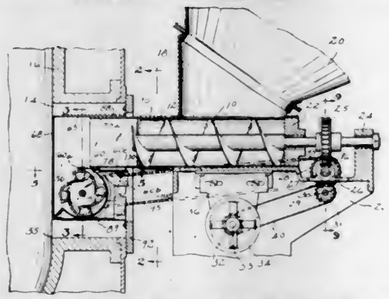


20. In a mining machine, a machine frame, a cutter head mounted on said frame for rotation with respect thereto about a horizontal axis extending longitudinally of the machine, a kerf cutter carried by said cutter head, and motor operated means for feeding the machine during the cutting operation and including a feeding element alternatively cooperant directly with means extraneous to the machine to effect feed or connectible to said cutter head and actuatable then to effect head rotation.

2,077,418
DENTAL IMPRESSION PASTE
Ernest Byron Kelly, Chicago, Ill.
No Drawing. Application June 14, 1933, Serial No. 675,712
8 Claims. (Cl. 18—47)

1. A dental paste comprising an oily constituent and a solid constituent, said solid constituent comprising 50 to 95% zinc oxide, 5 to 50% rosin, and .1 to 10% magnesium chloride, the oily constituent being harmless and containing at least 20% of oil of cloves.

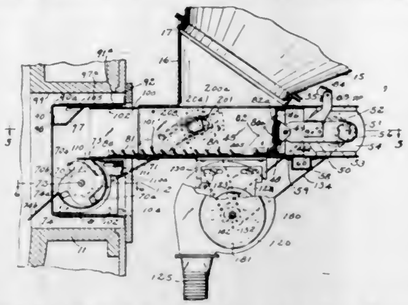
2,077,419
STOKER MECHANISM
Herman L. Kraeft, Cleveland, Ohio, assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 4, 1933, Serial No. 650,094
3 Claims. (Cl. 110—115)



1. In a stoker of the overfeed type, the combination of a fuel delivery tube adapted to extend into a fire door opening, a rotary element adapted to be disposed within the fire door opening adjacent the fire pit edge thereof, means for forcing fuel through said tube and means for driving said rotary member, a housing construction supporting the rotary member in cooperative relation to the tube, and a second housing surrounding the first-named housing and comprising a closure for space between the walls of the first-named housing and the fire door wall when the housings are in operative position relative to the fire door opening, said first-named housing being relatively adjustable longitudinally of the tube whereby the position of the rotary element may be adjusted relative to said fire pit edge.

2,077,420
APPARATUS FOR STOKING FURNACES
Herman L. Kraeft, Cleveland, Ohio, assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 4, 1933, Serial No. 650,095
7 Claims. (Cl. 110—115)

1. In a coal feeding mechanism the combination of a coal hopper, a substantially horizontally disposed fuel feeding tube beneath the hopper and provided with a discharge opening means extending between hopper and tube affording a fuel passageway, a plunger in the tube disposed forwardly of the passageway adapted to feed fuel through the tube, a speed reduction mechanism mounted on one end of the tube, mechanism extending between the speed reduction mechanism and the plunger for imparting limited reciprocating movements to the plunger, an electric motor mounted on the tube, a rotary fuel flipping mechanism mounted below the tube adjacent the inner end thereof and disposed beneath the fuel discharge opening of the tube, and means drivingly



connecting the motor to the rotary fuel flipping mechanism and to said plunger actuating mechanism.

2,077,421
CATALYTIC HYDROGENATION PROCESS
Wilbur Arthur Lazier, Elmhurst, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 27, 1930, Serial No. 456,298
29 Claims. (Cl. 260—54)

1. In a catalytic process of hydrogenating an organic compound capable of hydrogenation, the step which comprises contacting said compound in the liquid state, in the presence of hydrogen, with a catalyst comprising essentially an oxide of a metal selected from the group consisting of iron, nickel, cobalt, copper, silver, tin, cadmium, lead, and bismuth chemically combined with an oxide of a metal selected from the group consisting of chromium, molybdenum, tungsten, vanadium, and uranium, said catalyst being prepared by partially reducing a composition in which at least one of the metal oxides are in a higher state of oxidation.

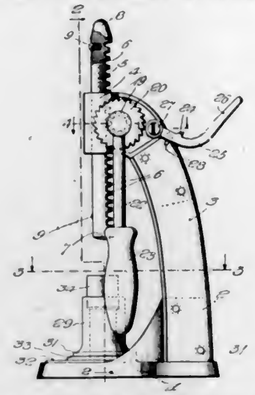
2,077,422
PROCESS FOR HYDROGENATING FURFURAL
Wilbur Arthur Lazier, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 26, 1931, Serial No. 559,487
13 Claims. (Cl. 260—54)

1. The process which comprises reacting hydrogen and furfural in the presence of a catalyst prepared by reducing a copper chromate to form a mass containing a substantial amount of copper chromite, at a temperature of from 70°–300° C. and under a pressure of several atmospheres, the furfural being maintained substantially in the liquid state during the reaction.

2,077,423
APPARATUS FOR MAKING DENTAL AMALGAM AND OTHER DIES
William B. Lebherz and Harry J. Lebherz, Frederick, Md., assignors, by mesne assignments, to John B. Brady, Washington, D. C.
Application July 15, 1933, Serial No. 680,646
9 Claims. (Cl. 32—40)

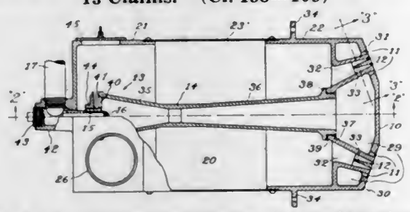
6. Apparatus for making dental amalgam and other dies comprising a press including a base and a standard rising from said base, an investment ring containing a mold and supported above said

base, a ram extending vertically through said standard, one end of said ram being substantially blunt to effect a primary packing of material



within the mold, and actuating means for forcing said end of said ram towards said ring for applying a primary packing force to the material within the mold.

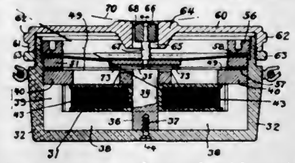
2,077,424
GAS BURNER
Clarence J. Levey, Park Ridge, and Edward J. Haedike, Chicago, Ill., assignors to National Machine Works, Chicago, Ill., a corporation of Illinois
Application December 3, 1932, Serial No. 645,500
13 Claims. (Cl. 158—109)



2. A gas burner comprising, in combination, a closed wind box defining an air chamber, a burner head rigid with one end of said box, said head having a fuel chamber and a plurality of fuel ports opening from said fuel chamber and having air ports adjacent said fuel ports and opening from said air chamber between said fuel ports, a proportional air and fuel mixer mounted in said air chamber and discharging to said fuel chamber, said mixer having an induction air inlet in said air chamber, means for supplying fuel to said mixer, and an air blower supported on the top of said wind box for discharging air under pressure to said air chamber.

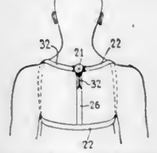
2,077,425
BONE CONDUCTION HEARING-AID
Hugo Lieber, New York, N. Y., assignor, by mesne assignments, to Lieber Patents Corporation, New York, N. Y., a corporation of New York
Application December 24, 1932, Serial No. 648,733
Renewed February 28, 1934
1 Claim. (Cl. 179—107)

In a portable bone conduction hearing-aid device, an electromagnetic bone conduction receiver of small size suitable for inconspicuous wear by the user comprising a magnetic core of substantial mass having a pole face, a casing enclosing said core, a magnetic armature resiliently supported by said casing at a gap spacing of the order of 2 mils adjacent said pole face, windings interlinked with said core for inducing in said gap magnetic forces imparting sound-frequency vibrations to said armature across said gap, a cover for said casing having an opening facing said armature, a contact member extending from said armature having an external contact surface projecting through said cover opening for engaging hearing-inducing bone structure of the user, and resilient supporting means for carrying said receiver in a floating condition and



pressing the contact surface of said contact member against hearing-inducing bone structure while said contact member is subjected to forces tending to freeze said armature to said pole face, and means for adjustably locking said cover in a position at which the portion of the cover adjacent said opening limits the inward movement of said contact member to a position in which said gap is maintained at a sufficiently small length for producing by the action of the floating mass of said receiver hearing-inducing vibratory forces imparted to said bone structure without freezing said gap.

2,077,426
BONE CONDUCTION HEARING AID DEVICE
Hugo Lieber, New York, N. Y., assignor to Lieber Patents Corporation, New York, N. Y., a corporation of New York
Application May 16, 1935, Serial No. 21,706
3 Claims. (Cl. 179—107)

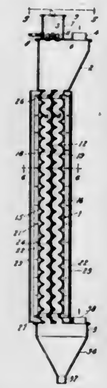


1. In a hearing-inducing bone-vibrating device for inconspicuous wear on a person, a vibrator unit having a movable vibrating member and means for subjecting said vibrating member to the action of sound-frequency electric oscillations producing a corresponding vibratory motion of said member, and supporting means attachable to the trunk of a person including a strap portion fitting a body portion of the person in the region adjacent the junction of the cervical and thoracic vertebrae of the spinal column for holding said vibrating member coupled to a vertebra of said person and imparting thereto hearing-inducing mechanical vibrations by the vibratory motion of said member.

2,077,427
GAS SCRUBBER
Marcel A. Lissman, Middlesex, N. J., assignor to International Precipitation Company, Los Angeles, Calif., a corporation of California
Application July 14, 1934, Serial No. 735,222
6 Claims. (Cl. 261—112)

6. In a gas scrubbing apparatus, a plurality of spaced walls defining therebetween a plurality of

gas passages, each intermediate wall having two contact surfaces facing toward the gas passages at the respective sides thereof and each of said surfaces comprising alternately disposed concave arcuate portions and projecting angular portions, each of said concave arcuate portions being curved through an angle in excess of 90 degrees, and each of said projecting angular portions having straight side walls joined substantially tangentially to the adjacent arcuate portions, the projecting angular portions of each contact sur-



face of each intermediate wall being disposed opposite the concave arcuate portions of the other contact surface of that wall, and the apex of each projecting angular portion extending parallel to and adjacent the axis of curvature of a concave arcuate portion of the opposing contact surface of an adjacent wall, means for passing gas through said passages in a direction substantially perpendicular to the axes of curvature of said concave arcuate portions, and means for supplying liquid to said gas passages and upon said contact surfaces.

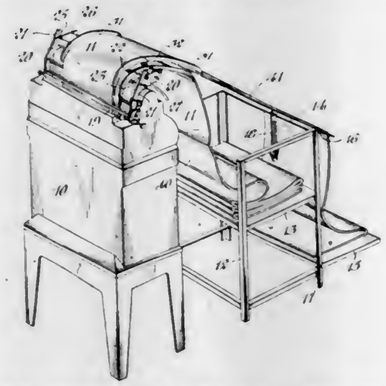
2,077,428

STRIP CONTROLLING ATTACHMENT

Carl Robert Mabon, Niagara Falls, N. Y., assignor, by mesne assignments, to Gilman Fanfold Corporation, a corporation of Delaware

Application December 14, 1934, Serial No. 757,502

20 Claims. (Cl. 197—133)



1. In a machine of the character described, in combination, a platen over which a pack of work-sheets may be fed, and means for guiding the sheets to and from the platen, said means including brackets adapted for attachment to the machine, sets of upper and lower supporting rods, and sectional guide elements mounted side by side on each of said rods, said brackets having rod receiving seats providing for detachable connection with the rods for the application and removal of the rods and their guide elements as a unit to and from said brackets.

2,077,429

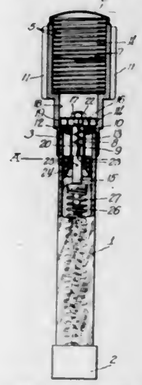
CIRCUIT INTERRUPTER AND ARC EXTINGUISHING LIQUID THEREFOR

George F. McMahon, Chicago, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware

Application March 2, 1933, Serial No. 659,266

Renewed September 25, 1935

45 Claims. (Cl. 200—120)



2. In an electrical device, a closed housing comprising two chambers, an electric fuse in said housing, one of said chambers being adapted to contain an arc extinguishing liquid, the other of said chambers being adapted to contain air, an arc extinguishing liquid in said first chamber, said liquid being subject to reaction with the oxygen in the air chamber to yield an acid, and a neutralizing agent in said liquid capable of preventing injury to said liquid by the oxygen and capable of reacting with the acid content of the arc extinguishing liquid.

2,077,430

VENDING MACHINE

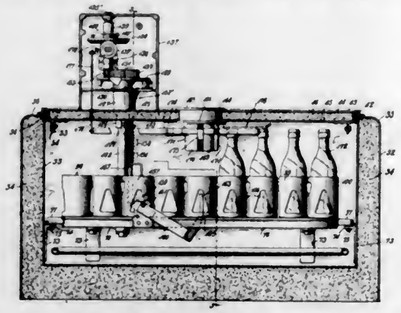
Louis H. Morin, New York, N. Y., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware

Original application September 8, 1934, Serial No. 743,255. Divided and this application June 6, 1935, Serial No. 25,336

4 Claims. (Cl. 194—1)

1. A machine of the class described having coin-controlled means operable to release a bottle or the like, and mechanism under control of the bottle being vended operable automatically to prevent insertion of a coin in the absence of an article to be vended comprising a tubular guard having a bottle-entrance opening, a pivoted element on said guard having a portion in the line of discharge movement of bottles or the like to engage and rest on the upper ends of advancing bottles, and a means urging lowering of the element at the bottle engaging end thereof, a bar

actuated by said element, a rocker link actuated by the bar, and a slide governing the deposit of



coin, into and out of the path of movement of which said link is rocked.

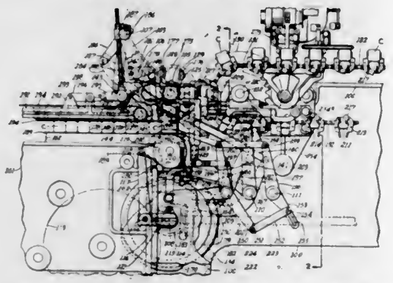
2,077,431

WRAPPING AND BANDING MACHINE

Joseph A. Neumair, Hollis, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application August 22, 1932, Serial No. 629,959

65 Claims. (Cl. 93—2)



1. The combination with mechanism for wrapping cigars, of means including grippers acting on the cigars for transporting the same into and out of the range of action of said mechanism, and a cigar bander operating to band the cigars while held by said grippers.

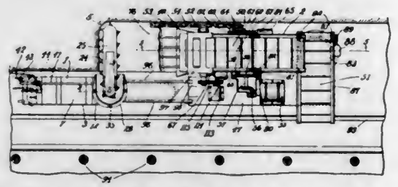
2,077,432

APPARATUS FOR MINING COAL

Charles B. Officer, Chicago, Ill., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application August 28, 1934, Serial No. 741,810

23 Claims. (Cl. 262—30)



21. In a mining and loading apparatus, a portable base movable along a coal face outside thereof in a direction parallel with the coal face, means mounted on said base for simultaneously cutting parallel horizontal kerfs in the mine wall respectively at the floor and roof levels, a portable base movable along the coal face inside the latter in a direction parallel with the coal face, means mounted on said second base for cutting a rear wall vertical kerf, said horizontal and vertical kerfs extending in a direction parallel with the coal face and cooperating to form a core of coal, means carried by said second base for receiving broken down sections of said core of coal and for conveying the broken coal laterally away from the coal face, and propelling means for the apparatus for moving said bases in unison bodily along the coal face.

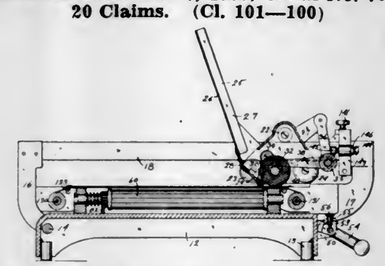
2,077,433

SELECTIVE BED PRINTING MACHINE

Henry C. Osborn, Cleveland, Ohio, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application December 7, 1933, Serial No. 701,349

20 Claims. (Cl. 101—100)



1. In a printing machine, the combination of a bed frame having an axially rotatable line carrier mounted therein, removable printing lines on the periphery of such carrier, means adjacent one end of the carrier for locking the type lines thereon, a platen frame hingedly mounted adjacent the other end of the carrier, and a traveling roller platen mounted in the platen frame.

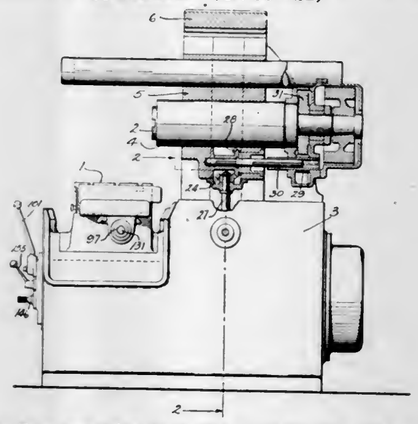
2,077,434

MACHINE TOOL

Fred A. Parsons, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis.

Application August 19, 1935, Serial No. 36,766

35 Claims. (Cl. 90—21)



1. In a machine tool, the combination of a tool support and a work support, a transmission for

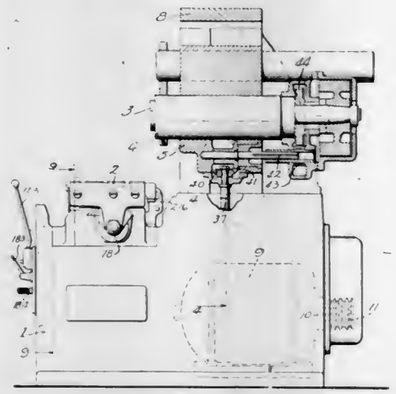
relative movement of said supports including a feed rate train, a quick traverse rate train, a shiftable reverser operative to change the direction of said relative movement, and a selector shiftable to effect said relative movement alternatively through the one or the other of said trains; and control means for said transmission including a first controller operable for selection of the one or the other direction independently of a change in said rates, a second controller operable for selection of one or the other rates independently of change in direction, other control means operative for substantially simultaneously effecting a change in direction and a change in rate, and means limiting the operation of said other controller to effect the changes in the order recited.

2,077,435

MACHINE TOOL TRANSMISSION AND CONTROL

Fred A. Parsons, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application October 4, 1935, Serial No. 43,488
38 Claims. (Cl. 90—21)



27. In a machine tool the combination of a tool support and a relatively movable work support, a transmission for said relative movement including a fluid operable motor and pump means for delivery of fluid to said motor at alternative feed or quick traverse rates, reverser means shiftable for changing the direction of actuation of said motor, selector means shiftable for effecting the one or the other of said rates of fluid delivery to said motor, a plurality of independently operable controllers respectively for shifting said reverser means and said selector means, fluid operable shifter means for said reverser means, fluid operable shifter means for said selector means, a source of pressure fluid, shiftable control valve means, a positive stop means including elements abuttable to prevent support movement past a predetermined point in one direction thereof, and power means operative to shift said control valve means at a predetermined interval subsequent to the abutment of said elements to effect a connection of said source and shifters for shifting said reverser means to a position effecting the other direction of support movement and for substantially simultaneously shifting said selector means to a position effecting said quick traverse rate.

2,077,436

PAPER MANUFACTURE

Harold Robert Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts

No Drawing. Application April 14, 1932, Serial No. 605,347
34 Claims. (Cl. 92—40)

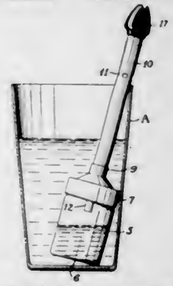
1. The step in a method of manufacturing paper filled with alkaline filler comprising adding in the paper-making process prior to the passage of the web from the web-forming device a dry mixture of alkaline filler and at least one member of a group of papermaking ingredients which include size and acidic material, the alkaline filler being present substantially in excess in respect to the chemical equivalent of any acidic ingredient.

2,077,437

VAPORIZER

Joseph Robinson, New York, N. Y.

Application August 21, 1934, Serial No. 740,818
Renewed July 11, 1936
4 Claims. (Cl. 128—200)



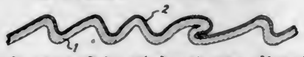
1. A vaporizer of the class described adapted to receive heat from a container of hot fluid or the like, comprising in combination, a medicament chamber containing a medicament to be vaporized, a cover for said chamber attached to the chamber in liquid tight relation thereto, a hollow stem extending upwardly from said cover, vents for admitting air currents to the interior of said stem, and means for guiding said air currents downwardly along said stem into said chamber and withdrawing them adjacent the surface of the medicament being vaporized so that, on inhalation, they travel upwardly through said stem.

2,077,438

COATED CREPED FABRIC AND ARTICLE AND PROCESS OF MAKING IT

William Wallace Rowe, Cincinnati, Ohio, assignor to The Paper Service Company, Lockland, Ohio, a corporation of Ohio

Application July 19, 1934, Serial No. 736,055
11 Claims. (Cl. 154—33)



1. A web creped in at least one direction and coated within and without the rugosities with a substantially uniform layer of a coating substance comprising one or more members of the following group:—cellulosic compounds, lacquers, varnishes, oxidizing oils and condensation resins.

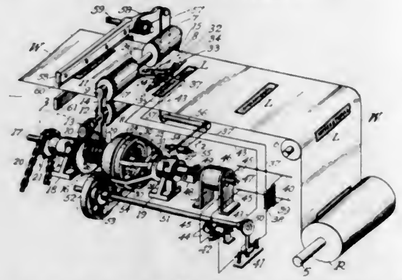
3. A process of producing coated webs which comprises coating a web with a layer of coating substance, setting up said layer of coating substance to a non-tacky condition, and afterward forming rugosities conjointly in said web and said coating substance.

2,077,439

REGISTERING SHEET FEED

Frank Reinhold Schmitt, Queens Village, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application January 6, 1931, Serial No. 506,991
16 Claims. (Cl. 164—42)



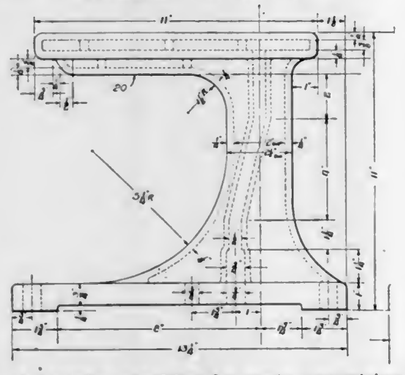
1. In a device for feeding a continuous strip of wrapping material having separated printed areas thereon of a substantially different electrical conductivity from that of the material, the combination with feeding mechanism operating to forwardly feed the strip, of electric control means coacting with the printed areas and operated by said different conductivity for stopping the forward feeding of the strip only when a printed area reaches a predetermined registered position, said stopping means including a device acting positively to brake the feed immediately upon cessation of the feeding movement.

2,077,440

MACHINERY FOR PRESSING CLOTHING

Frank Spina and Charles G. Green, Chicago, Ill.; said Green assignor of an undivided interest to Alfred Decker & Cohn, Inc., Chicago, Ill., a corporation of Illinois

Application January 18, 1935, Serial No. 2,352
5 Claims. (Cl. 38—66)



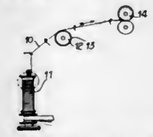
1. A pressing machine for coats comprising an elongated lower stationary buck, and an upper buck adapted to be moved into pressing engagement with the upper pressing face of the lower buck for cooperation therewith, said lower buck having parallel side edges and being rounded at both ends thereof, the pressing face of the lower buck being substantially flat longitudinally and convexly curved in transverse cross section, and said lower buck having a width of four inches, a thickness of one inch and a length of eleven inches, and a pedestal for supporting the lower buck, said pedestal being secured to the lower face of said lower buck so as to leave an overhang at one end thereof of at least an inch and an overhang at the other end thereof of seven inches or more, whereby to enable the pressing of an entire coat of average size upon said single lower buck member.

2,077,441

TEXTILE YARN

Matthew Michael Taylor and Stephen Miller Fulton, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application September 29, 1934, Serial No. 746,258
In Great Britain February 5, 1932
9 Claims. (Cl. 117—52)



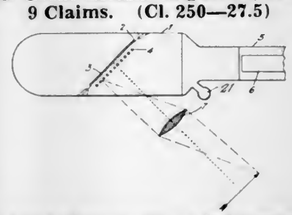
1. A continuous fibrous yarn derived from a bundle of continuous filaments and composed entirely of cut filaments in which at least a part of each cut filament occupies substantially the same position with respect to its neighbors that it had prior to cutting.

2,077,442

CATHODE RAY TUBE

William F. Tedham and James D. McGee, London, England, assignors to Electric & Musical Industries Limited, a company of Great Britain

Application August 9, 1933, Serial No. 684,296
In Great Britain August 25, 1932
9 Claims. (Cl. 250—27.5)



1. A method of preparing a light sensitive electrode for use in a cathode ray tube having a plurality of elements of photoelectric material insulated from one another which comprises the steps of depositing a metallic substance upon the electrode through a mesh-like screen, then oxidizing the deposited material, and subsequently photosensitizing the oxidized substance.

2,077,443

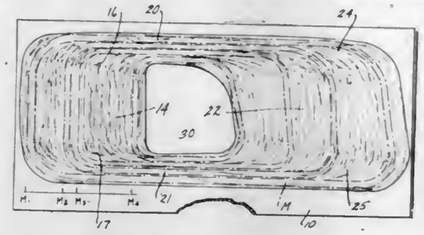
METHOD AND APPARATUS FOR DECORATING MATERIALS

Guido von Webern, Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich., a corporation of Michigan

Application February 9, 1934, Serial No. 710,519
2 Claims. (Cl. 101—426)

2. In graining generally polygonal frames having connected relatively straight sides and curved corner portions, by the transfer of a grain design in color from a pattern to such article, the characteristics that the pattern has sets of substantially parallel generally straight grain lines, the adjacent sets extending transversely of each other

and connected by substantially parallel curved grain lines contiguous with the lines of said straight line sets, two non-adjacent sets covering



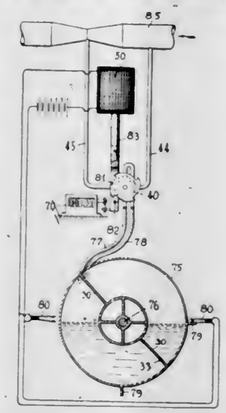
areas considerably wider than the similarly positioned sides of a frame to be grained, whereby a plurality of sizes of generally similar frames may be grained from the same pattern, as described.

2,077,444

FLOW METER

William C. Walker, York, Pa.

Application August 15, 1934, Serial No. 739,985
6 Claims. (Cl. 73—206)



1. A flow meter comprising means including a main conduit for the fluid whose flow is to be measured and further including branch conduits wherein is produced a pressure difference which varies in proportion to the square of the rate of flow of fluid in said main conduit, an oscillatable housing, means for connecting said branch conduits to said housing, pressure responsive means within said housing for causing movement of said housing at a rate proportional to the square root of the pressure differential created in said conduits by the flow of fluid through said main while preventing flow of said fluid through the housing and means for registering the oscillations of said housing.

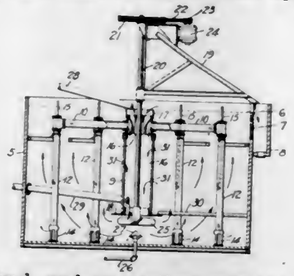
2,077,445

AERATOR OR AGITATOR

Harry V. Wallace, Kirkland Lake, Ontario, Canada, and Leland H. Logue, Denver, Colo., assignors to Denver Equipment Company, Denver, Colo.

Application November 8, 1932, Serial No. 641,748
17 Claims. (Cl. 261—93)

1. An agitator or conditioner comprising a tank open to the atmosphere, a central conduit in the tank, a rotary impeller below the conduit, and an air lift in the tank, having an inlet opening at



its lower end, and connecting with the conduit at its upper end.

2,077,446

PROCESS OF MATURING AND RIPENING BEERS AND ALES

Leo Wallerstein, New York, N. Y.

No Drawing. Application May 2, 1933, Serial No. 668,987
7 Claims. (Cl. 99—48)

1. The process of maturing and ripening alcoholic fermented malt beverages which comprises adding to the beverage before it has matured and ripened papain and the metabolic material produced upon the cultivation of bacillus selected from the group consisting of *Bacillus subtilis* and *Bacillus mesentericus* and then causing it to mature and ripen, the process of maturing and ripening being accelerated by said addition.

2,077,447

PROCESS OF CHILLPROOFING AND STABILIZING BEERS AND ALES

Leo Wallerstein, New York, N. Y.

No Drawing. Application December 29, 1934, Serial No. 759,738. Renewed January 26, 1937
7 Claims. (Cl. 99—48)

4. The process of chill-proofing and stabilizing malt beverages which comprises adding thereto an enzymatic composition including pepsin and a bacterial metabolic enzymatic material, said bacterial metabolic enzymatic material being produced by cultivation of bacillus selected from the group consisting of *Bacillus subtilis* and *Bacillus mesentericus*.

2,077,448

PROCESS OF CHILLPROOFING AND STABILIZING BEERS AND ALES

Leo Wallerstein, New York, N. Y.

No Drawing. Application June 1, 1936, Serial No. 82,924
13 Claims. (Cl. 99—36)

5. The process of chill-proofing and stabilizing malt beverage which comprises adding thereto an enzymatic composition including a proteolytic enzyme of animal origin, which is active in acid media, and a metabolic material produced by cultivation of molds selected from the group consisting of genera Aspergillus, Penicillium, Mucor and Amylomyces.

2,077,449

PROCESS OF CHILLPROOFING AND STABILIZING MALT BEVERAGES

Leo Wallerstein, New York, N. Y.

No Drawing. Application June 1, 1936, Serial No. 82,925
15 Claims. (Cl. 99—48)

10. The process of chill-proofing and stabilizing malt beverage which comprises adding thereto an enzymatic composition, including a proteolytic enzyme of plant origin, which is active in acid media, enhanced by a metabolic material derived by the cultivation of molds selected from the group consisting of Aspergillus, Penicillium, Mucor and Amylomyces.

2,077,450

METHOD AND COMPOSITION FOR COATING IRON AND STEEL ARTICLES

Mark Weisberg and Louis Corman, Providence, R. I., assignors to Alrose Chemical Company, a corporation of Rhode Island

No Drawing. Application January 8, 1935, Serial No. 926
30 Claims. (Cl. 148—6.5)

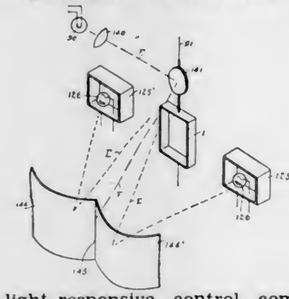
1. Method of surface treating ferrous metal articles, which comprises immersing said articles in an aqueous solution of an alkali and an oxidizing agent, and regenerating said bath by adding an activating agent differing in chemical composition from either of the two aforesaid substances, and capable of forming complex ions with ions of iron resulting from previous operation and prevent them from inhibiting the further operation of the unspent bath.

2,077,451

METHOD AND APPARATUS FOR CONTROLLING THE ACTUATION OF RECORDERS

Charles H. Wilson, Pelham, N. Y., and Cuthbert J. Brown, Foxboro, Mass., assignors to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts

Original application December 14, 1928, Serial No. 326,074, now Patent No. 1,930,496, dated October 17, 1933. Divided and this application September 30, 1933, Serial No. 691,585
15 Claims. (Cl. 250—41.5)



1. A light-responsive control comprising a source of light; a photo-electric cell adapted to be activated by said light; a mirror adapted to be deflected; a lens associated with said source to concentrate light therefrom on said mirror; a second reflecting surface of elliptical shape adapted to receive light reflected from said mirror and reflect it on said cell; and a light cut-off diaphragm between the mirror and said surface so positioned relative to said cell that a slight deflection of said coil from neutral position will affect the said cell.

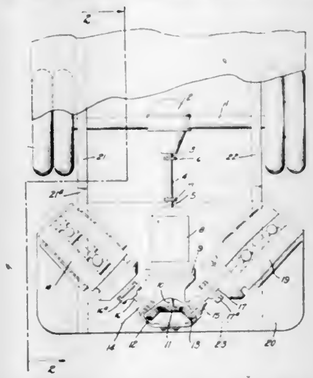
2,077,452

VEHICLE REAR END DRIVE MECHANISM

Charles F. Wren, Los Angeles, Calif., assignor to Columbia Finance Co., Los Angeles, Calif., a corporation of California

Application June 11, 1935, Serial No. 26,001
5 Claims. (Cl. 180—70)

1. In a vehicle rear axle drive mechanism, the combination with the conventional rear axle of a conventional differential positioned therein with the drive shaft extending backwardly from said rear axle, a conventional transmission and clutch mechanism positioned backwardly in spaced relation with said differential and connected with said shaft, a shaft communicating with the clutch mechanism and extending backwardly therefrom, engines positioned on opposite sides of said trans-



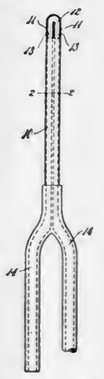
mission and clutch mechanism on diagonal axes to the axis of said shaft and clutch mechanism and having their shafts extending diagonally and backwardly therefrom, bevel-gears on the extended ends of said engine shafts, and an intermediate bevel-gear meshing with both of said bevel-gears and mounted on the shaft extending from said clutch.

2,077,453

THERAPEUTICAL APPLIANCE

Raymond W. Albright, Akron, Ohio, assignor to American Anode, Inc., Akron, Ohio, a corporation of Delaware

Application March 29, 1934, Serial No. 717,943
5 Claims. (Cl. 128—254)



1. A therapeutical appliance adapted for insertion into a natural body cavity or passage, said appliance comprising a relatively thin-walled hollow applicator made of flexible elastic material having substantially the properties of rubber and being shaped to conform generally to the cavity or passage to be treated but being capable of distension under internal pressures for more nearly perfect conformance, a web of rubber extending substantially throughout the length of the interior of the hollow applicator

but terminating short of one end thereof and having its edges integrally attached to the walls of the applicator in such manner as to limit distension of the hollow applicator and also to divide the interior of the applicator into at least two fluid channels communicating at the said end for directing a fluid stream through the applicator, and connecting tubes communicating with each of the said channels at the other end of the applicator for conducting fluid to and from the applicator, said applicator being closed except for openings communicating with the aforesaid tubes.

2,077,454

AUTOMOBILE CHASSIS MEMBER AND METHOD OF MAKING SAME

Einar Almdale, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Application July 25, 1933, Serial No. 682,077

14 Claims. (Cl. 29—152)



3. The method of forming a kick-up portion in a closed box section chassis member consisting of providing an opening in a wall opposite the wall to be given convex contour, engaging said last named wall with a die, and inserting a die through said opening to engage said wall to be convexed and subjecting the wall to bending pressure between the dies to form it and the side walls into a kick-up portion, and then bridging the edges of said opening with a member secured thereto.

2,077,455

STABILIZATION OF CELLULOSE NITRATE

Louis S. Baker, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 13, 1935, Serial No. 31,231

4 Claims. (Cl. 260—148)

1. Process for stabilizing cellulose nitrate which comprises removing the excess acid from the unpurified nitrated cellulose by repeated washings and thereafter treating the cellulose nitrate with an aqueous solution of a nitrite of a metal of the alkali or alkaline earth group having an alkaline reaction.

2,077,456

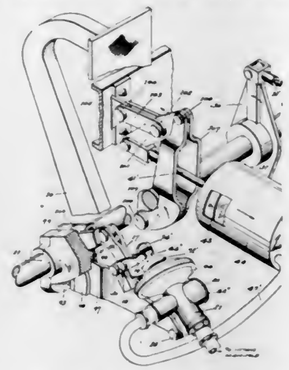
VACUUM OPERATED BRAKE MECHANISM

Russell S. Begg, Cleveland Heights, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Application May 23, 1933, Serial No. 672,435

14 Claims. (Cl. 188—152)

8. In combination, a foot pedal, a shaft, a brake mechanism operated thereby, a power device operated by differential pressures connected to said shaft, a carrier constituting a lost motion connection between the shaft and pedal, a control valve casing mounted on said carrier and having a valve connected to the foot pedal, said casing having a diaphragm by which the valve is urged toward closed position by said differential pressures acting on the diaphragm during a brake application, and a valve operator pivoted to the carrier and connected with the valve and pedal.



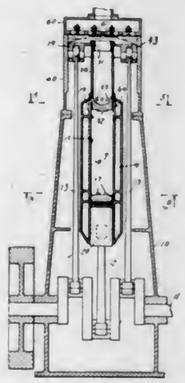
2,077,457

INTERNAL COMBUSTION ENGINE

Wilhelm B. Bronander, Montclair, N. J., assignor to The Safety Car Heating & Lighting Company, New Haven, Conn., a corporation of New Jersey

Application October 7, 1931, Serial No. 567,355

14 Claims. (Cl. 123—32)



13. In an internal combustion engine, in combination, a cylinder having fuel, exhaust, and air inlet ports formed therein, a pair of reciprocating pistons disposed within said cylinder one of said pistons having a closed top, a wall portion extending from said top, said wall forming a chamber on said piston top and having chamber ports formed therein, and a cover plate having an opening therein smaller in area than the surface area of said piston top, and the other of said pistons having its free end formed to register with said cover plate when said pistons are in immediate juxtaposition whereby upon movement of said pistons, when said pistons are substantially at the inner ends of their strokes, gas may enter through said opening into said chamber, and exhaust gases may flow out of said chamber through said chamber ports and into said cylinder exhaust ports to exhaust the gases when said pistons are spaced from each other substantially at the outer ends of their strokes.

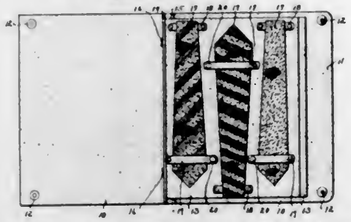
2,077,458

TIE CASE

Guy E. Chesnut, Jr., St. Joseph, Mo.

Application November 23, 1935, Serial No. 51,306

1 Claim. (Cl. 206—7)



In a tie case, a flexible sheet member, an elongated flexible loop member having its two ends rigidly secured on the upper portion of said flexible sheet member extending transversally of the longitudinal length of the said flexible sheet member and designed to have the center portion of a necktie looped around it with the major portion of the outer length portion of the tie resting on the major portion of the under length portion of the tie and both under and outer portions of the tie extending downwardly over the uuper surface of said flexible sheet member, a flexible bar member rigidly secured at one of its ends to the lower portion of said flexible sheet member and designed to extend transversally across the lower end portions of said tie, and a means for de tachably securing the other end of said bar member to said flexible sheet member.

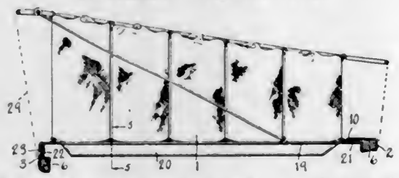
2,077,459

SPRING CUSHION STRUCTURE

William A. Clark, Detroit, Mich., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich.

Application November 14, 1935, Serial No. 49,753

17 Claims. (Cl. 155—179)



2. In a spring cushion structure, the combination of a frame comprising channeled front, rear and end members having tacking strips secured therein, the web portions of the channeled frame members being extended beyond the channels thereof and reversely folded to provide attaching flanges in the planes of the channel webs, the infolded parts of the attaching flanges being angled to provide the inner flanges of the channels, the rear and end members of the frame being disposed to face downwardly with their flanges projecting inwardly, the front frame member being disposed to face inwardly with its attaching flange projecting upwardly, the ends of the end frame members being lapped upon the supporting flanges of the front and rear frame members and secured thereto, cross bars disposed with their rear ends in lapping relation to the attaching flange of the rear frame member and welded thereto and having angled front ends disposed in lapping relation to the upright attaching flange of the front frame member and welded thereto, and a base grid comprising longitudinal and transverse wires disposed in crossed relation and arranged with the ends of the longitudinal wires lapping and secured to the attaching flanges of the end frame members, the rear ends of the transverse wires being lapped upon and secured to the attaching flange of the rear frame member, the longitudinal wires of the base grid resting upon the said cross bars.

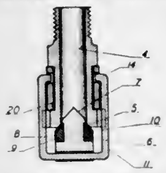
2,077,460

DRAIN VALVE

Thomas N. Coffelder, Pittsburgh, Pa.

Application May 24, 1935, Serial No. 23,208

2 Claims. (Cl. 137—34.2)



1. A drain valve comprising a housing having a central opening and having a threaded end for mounting on the drain outlet of a radiator structure, the free end of the valve housing being provided with a chamfered seat, a valve exterior of the housing supported therein by a movable link and a cam lever being supported on but not secured to the housing, said valve comprising a stopper having a radially grooved portion for receiving a rubber seat which is interlocked therewith and having further a conical pilot for maintaining alignment of the seat of the valve and for diverting the effluent.

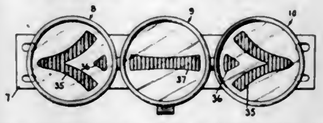
2,077,461

DIRECTIONAL SIGN FOR MOTOR VEHICLES

Edward T. Condon, New York, N. Y.

Application September 27, 1932, Serial No. 635,006

2 Claims. (Cl. 177—329)



1. A directional sign device for motor vehicles, comprising a lamp housing open at one end, a light-transmitting element bearing an arrow indicia fluted transversely to its length to expand laterally light rays therefrom, said element closing the opening of the housing, a colored light-transmitting member located in the housing behind said light-transmitting arrow-bearing element, a lamp in the housing for transmitting light through the colored light-transmitting member, and means separating the latter from the light-transmitting arrow-bearing element to an extent to provide a chamber for dissipating rays of light emanating externally of the housing.

2,077,462

POTATO DIGGER

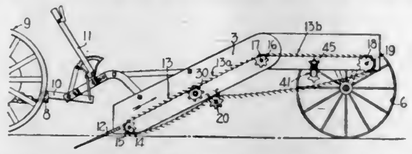
Curtiss L. Cook, Syracuse, N. Y., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y., a corporation of New York

Application June 4, 1934, Serial No. 728,831

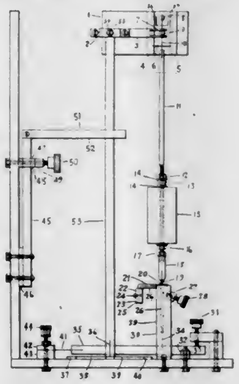
7 Claims. (Cl. 209—308)

6. In a harvester of the digger type having a conveyor for receiving the crop together with soil in varying amounts and for conveying the crop to a point of discharge, said conveyor being

adapted to sag a certain amount when a certain weight of material is disposed on the conveyor, a normally inoperative agitator responsive to the sagging of said conveyor to said certain amount for agitating the conveyor to separate the dirt from the crop.

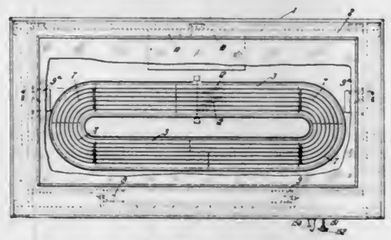


2,077,463
MEANS FOR INDICATING THE RATE OF TIME SYSTEMS
George B. Cook, Philadelphia, Pa.
Application November 20, 1934, Serial No. 753,905
4 Claims. (Cl. 200—19)



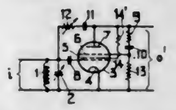
1. In apparatus for indicating the rate of time systems, a vertical metal supporting plate, a pendulum, a supension spring fastened to the upper end of said pendulum, means for supporting said pendulum, said means consisting of a slotted horizontal post attached to said vertical metal supporting plate, means for varying the oscillation frequency of said pendulum, said means consisting of a vertically sliding member, a second slotted horizontal post attached to said vertically sliding member, said second slotted horizontal post engaging with said pendulum suspension spring, means for limiting the motion of said vertically sliding member, said means consisting of vertical strips having grooves in which said vertically sliding member operates, said vertical strips being attached to said vertical metal supporting plate, means for actuating said vertically sliding member, said means consisting of a lever, means for determining the exact angular position of said lever, said means consisting of a graduated scale over which an index or pointer on said lever moves, a micrometer adjusting device for said lever, said device consisting of an arm fastened at one end to a support, an adjusting screw for flexing said arm slightly, a member or members for imparting said bending motion to said lever by means of the friction of said members upon said lever, said friction being insufficient to move said members or arm when said lever is moved directly and independently of said arm, means for closing an electrical circuit for exceedingly short periods of time, said means consisting of an upper electrical contact member attached to the aforesaid pendulum, said upper contact member consisting of a vertical metal strip, a lower electrical contact member not attached to said pendulum, said lower contact member consisting of a horizontal metal strip having an elevation at its free or unattached end, a holder for said lower contact member, part of said holder longitudinally surrounding said lower contact member for protection against mechanical injury, means for adjusting the vertical and horizontal positions of said lower contact member, said means consisting of a vertical arm, said lower contact holder being attached to the top of said vertical arm, an adjusting screw for varying the position of said vertical arm, a supporting member for said adjusting screw, a horizontal arm, a spring for attaching the lower end of said vertical arm to said horizontal arm, a second spring for attaching one end of said horizontal arm to a support, a second adjusting screw for varying the position of said horizontal arm, and a supporting member for said second adjusting screw.

2,077,464
GAME APPARATUS
Harry R. Crowther and Sylvanues W. Hawkins, Cuyahoga Falls, Ohio
Application November 10, 1932, Serial No. 642,056
32 Claims. (Cl. 273—86)



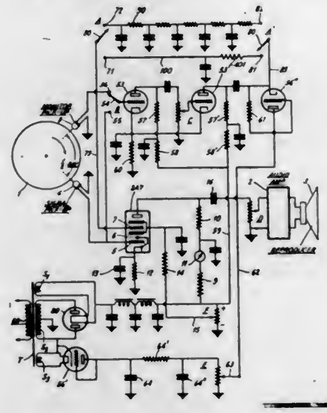
1. In a device of the character described, the combination of a plurality of objects movable along a course, means for moving said objects in steady progression at equivalent basic speeds, and means to vary the basic speeds comprising a plurality of control devices of differing effective power and a mixing device to disarrange said control devices for each operation of the apparatus.

2,077,465
RADIO CIRCUITS
Henri François Dalpayrat, New York, N. Y., assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application November 7, 1934, Serial No. 751,813
19 Claims. (Cl. 179—171)



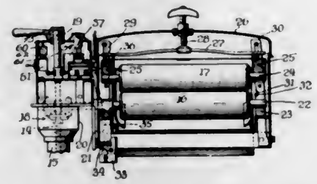
5. An electrical circuit comprising a discharge device having input and output circuits and a plurality of feed-back circuits, means for separately and independently applying regenerative potentials to react on different portions of the discharge stream through said device, and means for adjusting the phase and amplitude of the regenerative currents in said feed-back circuits.

2,077,466
AUDIO VOLUME EXPANDER CIRCUIT
John F. Dreyer, Jr., Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 5, 1935, Serial No. 43,689
10 Claims. (Cl. 179—100.4)



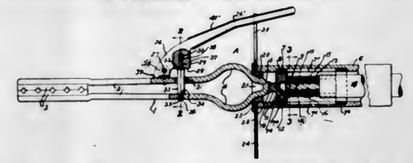
1. In combination with an electron discharge tube provided with a cathode, signal input electrode, gain control electrode, and an output electrode, means for impressing upon the signal input electrode an audio signal to be amplified in said tube, means for normally biasing the gain control electrode negatively with respect to the cathode, a reproducer, a signal transmission network coupling the reproducer to the output electrode of said tube, audio volume range expander means responsive to an increase in amplitude of said audio signal for automatically varying the bias of the gain control electrode of said tube in a positive potential sense to reduce said normal negative bias, said last means having a time constant which is relatively long.

2,077,467
LAUNDRY MACHINE
Nicholas L. Etten, Waterloo, Iowa, assignor to Walter K. Voss, Davenport, Iowa
Application January 13, 1934, Serial No. 706,466
5 Claims. (Cl. 68—32)



1. In a laundry machine, the combination of a wringer mechanism including rolls, means for maintaining said rolls under an operating pressure, and means for releasing the rolls from said pressure, means for driving said rolls, and means responsive to the imposition of any load on the driving means in excess of the load which the driving means is normally expected to encounter to discontinue operation of the roll driving means and to actuate the means for releasing the rolls from said pressure.

2,077,468
ELECTRODE HOLDER
Arthur J. Fausek and Irwing F. Fausek, Clayton, Mo.
Application June 18, 1934, Serial No. 731,097
5 Claims. (Cl. 219—8)

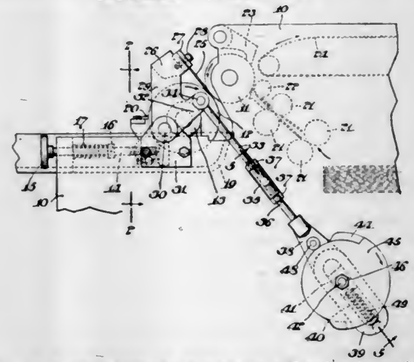


1. An electrode holder comprising a pair of resilient jaws, a handle associated with said jaws, the resiliency of said jaws tending to force said jaws together, and means for separating said jaws, said means including an element arranged in contact with one of said jaws, and an operating member movably connected to the other of said jaws and arranged in engagement with said element in such manner that movement of said operating member imparts movement to said element longitudinally of its major axis, whereby movement of said operating member in one direction moves the jaws away from each other.

2,077,469
THE PACKING AND TRANSPORTATION OF AMMONIUM NITRATE-AMMONIA COMPOSITIONS
Charles S. Fazel, Syracuse, N. Y., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application February 28, 1930, Serial No. 432,254
6 Claims. (Cl. 23—247)

6. A package comprising a vessel the interior surface of which consists of chrome-iron, said vessel containing an ammoniacal solution of ammonium nitrate.

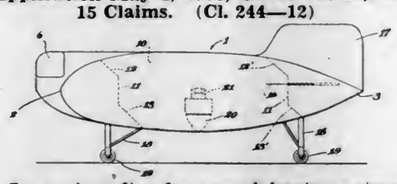
2,077,470
GLUING MACHINE
Theodore A. Federwitz, Philadelphia, Pa., assignor to High Production Machine Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application September 13, 1934, Serial No. 743,798
5 Claims. (Cl. 91—50)



1. In a machine for applying adhesive to a sheet or web, a roller for applying the adhesive to said sheet, a roller arranged in conjunction therewith

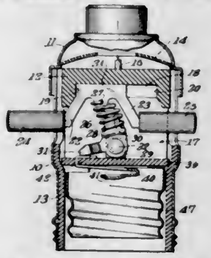
for feeding adhesive thereto, a plate member insertable between portions of said rollers for preventing the transfer of the adhesive from the surface of the feeding roller to a portion of the surface of the applying roller, and an adjustable cam structure for controlling said plate member whereby said plate member may be inserted and retracted at certain times.

2,077,471
AIRCRAFT
Abraham S. Fink, Gloversville, N. Y., assignor to Aero Improvements, Inc., New York, N. Y., a corporation of New York
Application May 4, 1935, Serial No. 19,776
15 Claims. (Cl. 244—12)



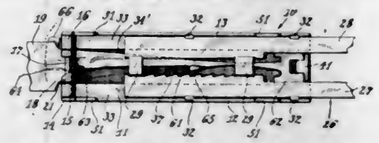
2. In an aircraft, a framework having a streamlined housing therefor, said framework having two or more ducts symmetrically disposed with respect to the central longitudinal axis of the craft and extending down through the housing, said ducts having rigid walls, propellers in said ducts rotating in planes approximating parallelism with the central horizontal plane through the craft, power means for driving said propellers, certain portions of the walls of said duct having movable surfaces therein inclined to the planes of revolution of the propellers whereby the propeller is caused to give variable components of thrust at right angles to the planes of revolution and means for operating said inclined surfaces and modifying the flow through one or more of the ducts for assisting in controlling the craft, the means for controlling the craft comprising laterally disposed devices which are projectable into the paths of the flow through the ducts.

2,077,472
PUSH BUTTON SWITCH
Joseph Gottlieb, Jersey City, N. J.
Application August 15, 1934, Serial No. 739,851
2 Claims. (Cl. 173—355)



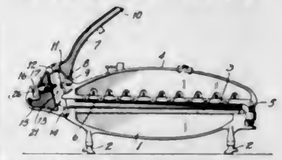
2. In an electric switch, an insulating body having a transverse slideway and a central passage within the body and having a groove extending radially of the body from the passage to the periphery and longitudinally of the body and terminating in an offset recess, a U-shaped terminal seated within the groove with one of its arms projecting into the passage and the end of the other of its arms overlying the offset recess, a bell crank contact member pivotally engaged with the end of the arm projecting into the passage, an operating coil spring, one arm of the bell crank nesting within the confines of one end of the coil spring and a central contact adapted to be contacted by the other arm of the bell crank when the other end of the coil spring is moved in one direction, a slide movable in the slideway, said other end of the coil spring being connected to the slide, to be actuated thereby.

2,077,473
BRACELET CONNECTER
James Walter Greenbowe, Newark, N. J., assignor to Bruner-Ritter, Inc., a corporation of New York
Application March 5, 1935, Serial No. 10,138
9 Claims. (Cl. 24—71)



1. A connecter for a wrist watch strap comprising a housing, a folding member pivotally connected to one end of said housing, an extension member slidable in said housing, teeth on said extension member, a latch member in said housing for engaging said teeth, and means mounted at the pivot of said folding member for moving said latch member laterally to disengage said teeth.

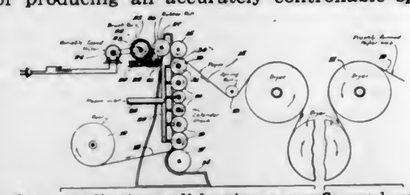
2,077,474
SHINGLE CUTTER
Severin N. Gundlach, Belleville, Ill.
Application April 1, 1936, Serial No. 72,011
6 Claims. (Cl. 164—14)



5. A shingle cutter comprising a stationary lower knife holder, a pivoted upper knife holder, a lever for operating said upper knife holder, a punch holder pivotally secured to said lower knife holder opposite the free end of said pivoted knife holder and to said lever for movement thereby towards and away from said end of said pivoted knife holder, and a punch axially slidable in said holder in position to be forced against the free end of said pivoted knife holder and moved into operative position thereby, when said lever is actuated to move said pivoted knife holder to operative position.

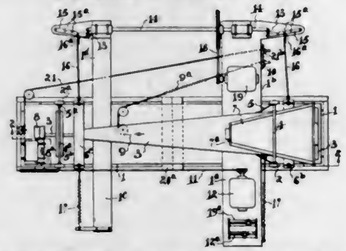
2,077,475
METHOD AND MEANS FOR MAKING PAPER
Carl S. Hamersley, New York, N. Y.
Application October 22, 1934, Serial No. 749,351
3 Claims. (Cl. 92—76)

1. In a paper-making machine, a set of dryer rolls, a stack of calender rolls, means for continuously feeding a freshly formed paper web to the dryer rolls and thence directly to the calender rolls, and means for continuously wetting the initial calender roll to a controllable limited degree, whereby the web is rewetted to a corresponding limited degree at the instant of commencement of the calendering treatment; said means comprising a device adjacent to said roll for producing an accurately controllable spray,



and an applicator roll having a configured rubber surface and adapted to receive the water of said spray and transfer it by contact to said calender roll.

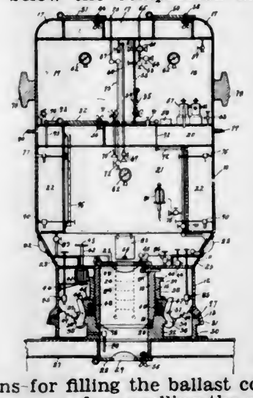
2,077,476
CONCENTRATOR
Herbert E. T. Haultain, Toronto, Ontario, Canada
Application July 10, 1933, Serial No. 679,679
2 Claims. (Cl. 209—446)



1. A concentrator comprising a carrier flexibly suspended at its opposite ends to move freely in a substantially horizontal plane; a shallow transversely concaved pan carried by the carrier; means for applying a succession of blows to the carrier in a direction longitudinally of the pan; means including a crank for shaking the pan transversely, an arm having one end pivotally connected with the crank and the other end pivotally connected with a stationary part so that the crank end of the arm will travel in a closed orbit, the arm having a plurality of notches; and a connecting member having one end secured to the carrier and the other end provided with a hook adapted to be received in any one of the notches so that the extent of the transverse movement imparted to the pan may be varied by shifting the hook to a fresh notch.

2,077,477
SUBMERSIBLE RESCUE APPARATUS FOR SUBMARINES
Henry F. Hellman, Cleveland, Ohio
Application August 14, 1936, Serial No. 96,066
1 Claim. (Cl. 114—16.8)

A submersible rescue apparatus for a submarine comprising a casing, an oxygen compartment therein, two compartments therebelow ingress and egress openings into the aforesaid said two compartments, sealable doors for said compartments, a compressed air compartment below said two compartments, a compartment below the compressed air compartment, ingress and egress openings thereto, a sealable door therefor, a water ballast compartment in the compartment below the compressed air compartment, a water tank also in the aforesaid compartment and above the floor thereof, a connecting means, a hatchway in the said connecting means, a sealable door in a connection on a submarine hull, the said hatchway in the connecting means in the apparatus and connection on the submarine hull forming the complete hatchway, locking means exteriorly of the hatchway, operating means therefor, means controlling the operation of the locking means, means in the locking means operating in opposition to the controlling means, means for supplying oxygen and air to the compartments above and below the compressed air compartment, means for filling the ballast compartment with water, means for expelling the water therefrom, and controlled means adapted to exert an automatic controlling action upon water within the connecting means and the hatchway so that the apparatus may be easily connected with the submarine hull, and means for expelling water from the water tank after the apparatus is released from the hull.



2,077,478
POLYTHIOCYANO ESTERS
Charles S. Hollander, Holmesburg, and Frederick E. Williams, Emlenton, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application September 27, 1935 Serial No. 42,393
10 Claims. (Cl. 260—99.10)

1. Compounds containing at least two thiocyano groups attached to different carbon atoms of a chain, said chain containing from four to eighteen carbon atoms and at least one atom of the group consisting of oxygen, sulfur and nitrogen positioned intermediate said thiocyano groups.

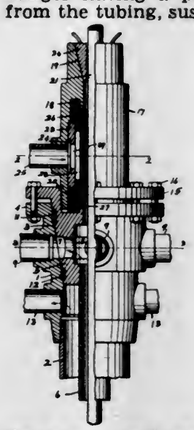
2,077,479
POLYTHIOCYANO ESTERS
Charles S. Hollander, Holmesburg, and William F. Hester, Drexel Hill, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application September 27, 1935, Serial No. 42,454
9 Claims. (Cl. 260—99.10)

1. An ester of a carboxylic acid, said ester containing at least two thiocyano groups attached to different carbon atoms, at least one of said thiocyano groups being attached to a carbon atom of the alcohol radical.

2,077,480
COMBINATION WELLHEAD AND CHRISTMAS TREE
Granville A. Humason, Houston, Tex.
Application December 30, 1935, Serial No. 56,655
2 Claims. (Cl. 285—22)

1. A well head comprising a casing head adapted to be attached to a well casing and having an inside seat and a flow line, a tubing hanger fitting on the seat, said assembly having an annular groove arranged to register with the

flow line, said hanger having a port affording communication from the tubing, suspended from



the hanger, to the groove, and packing breaking the joint between the hanger and head above and beneath the groove.

2,077,481

TRANSPARENT PHOSPHATE GLASS

Paul Huppert, Mannheim, and Hans Wolff, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application July 18, 1934, Serial No. 735,818. In Germany August 15, 1933

2 Claims. (Cl. 106—36.1)

1. Transparent phosphate glasses having an excellent permeability to ultra-violet light similar to that of quartz and being almost completely free from solarization obtained by the addition of ammonium phosphate to the usual batches of transparent phosphate glasses.

2,077,482

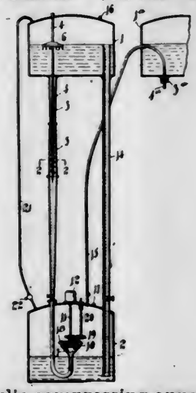
HYDRAULIC AIR COMPRESSOR

John E. Jones, Toronto, Ontario, and Robert J. Unsworth, Niagara Falls, Ontario, Canada

Application November 19, 1934, Serial No. 753,568

Renewed February 19, 1936

14 Claims. (Cl. 230—105)



1. A hydraulic compressing apparatus comprising an upper tank adapted to contain water, which forms a head; a lower closed compression tank; a penstock extending from the upper tank into the compression tank; means for admitting air to the penstock; a centrifugal pump at the end of the penstock adapted to supplement the effect of the head of water in the upper tank in causing the mixture of air and water to flow down the penstock and discharge into the compression tank; a return water pipe from the compression tank to the upper tank; and an air outlet from the compression tank.

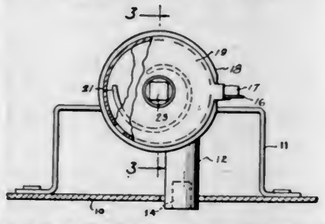
2,077,483

REGULATOR

Henry C. Kestel, Toledo, Ohio, assignor to The Myers Regulator Co., Toledo, Ohio

Original application January 4, 1934, Serial No. 705,183. Divided and this application January 20, 1936, Serial No. 59,882

1 Claim. (Cl. 74—424.5)



An operating device comprising vertically and horizontally disposed meshing gear elements mounted to rotate on horizontal and vertical axes, respectively, horizontally and vertically disposed shafts fixed coaxially to said elements respectively and rotating therewith, the vertically disposed element being between the horizontal element and the horizontal shaft, horizontally and vertically disposed housings for the horizontally and vertically disposed elements respectively, the vertical housing comprising a large plate and two smaller coplanar spaced plates, with the vertical gear element being between the large plate and the two smaller plates, and with the horizontal gear element being between the adjacent edges of the two smaller plates, the horizontal housing comprising two small plates, each formed as an integral flange of one of the two smaller plates of the vertical housing, the flanges extending from the adjacent edges of the smaller plates of the vertical housing, the plates of the horizontal housing being spaced, with the horizontal gear element being in such space.

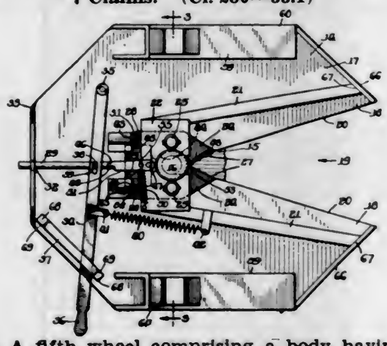
2,077,484

COUPLING

Edward F. King, Oak Park, Ill., assignor to Available Truck Company, Chicago, Ill., a corporation of Illinois

Application March 16, 1935, Serial No. 11,495

7 Claims. (Cl. 280—33.1)



7. A fifth wheel comprising a body having a slot therein, a pair of oppositely disposed dogs pivoted intermediate their ends to said body, there being a dog arranged on each side of said slot, the rear ends of said dogs being forced together forming a bearing for a king pin, the forward ends of said dogs being forced apart when the rear ends are forced together, a locking bolt arranged between the spread of the forward ends of the dogs to prevent their rear ends from spreading, a latch pivoted to a part attached to the body and engaging said bolt to hold said bolt away from said forward ends and means on the dogs to release the latch when the dogs pass a predetermined point in the course of their opening motion.

2,077,485

POLYMERS AND METHOD FOR PREPARING SAME

Walter E. Lawson and James A. Arvin, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 14, 1932, Serial No. 637,783

29 Claims. (Cl. 260—2)

5. A product prepared by heating substantially pure vinylacetylene in the presence of a non-acetylenic film-forming material of the group consisting of resins, cellulose derivatives, and polymerizable materials containing at least 2 carbon atoms in an open-chain joined by more than one bond.

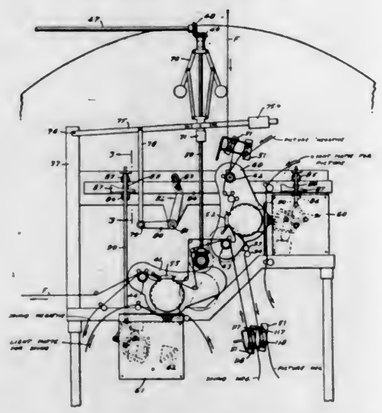
2,077,486

MOTION PICTURE FILM PRINTER

Charles L. Lootens, Leonia, N. J., assignor to Cinema Patents Company, Inc., New York, N. Y., a corporation of New York

Original application November 4, 1932, Serial No. 641,247. Divided and this application October 26, 1934, Serial No. 750,167

5 Claims. (Cl. 95—75)



1. A film printer comprising a printing light, a printing gate, means to pass a negative and a positive in printing relation past the printing gate, a light aperture the area of which is automatically enlarged or diminished according to the speed of said means interposed between the printing light and the printing gate, and means for changing the relationship between speed and area of light aperture.

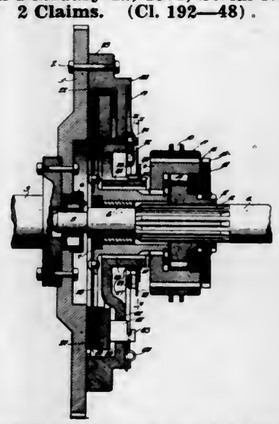
2,077,487

AUTOMATIC FREEWHEEL CLUTCH

Kenneth E. Lyman, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application February 12, 1931, Serial No. 515,168

2 Claims. (Cl. 192—48).



1. In a vehicle transmission mechanism having a gear housing, a transmission drive shaft having a part extending from said housing, and an engine clutch including a driven element, an overrunning clutch comprising a driving and a driven element and a releasable driving element therebetween, the first named driving element having a sleeve shaft portion surrounding said transmission drive shaft and mounted to rotate with and relative to said transmission drive shaft and directly connected to the driven element of the engine clutch, and control mechanism for said engine clutch including a shiftable member concentric with said sleeve shaft portion.

2,077,488

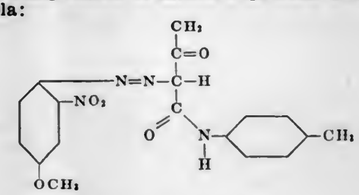
AZO PIGMENT DYES AND THEIR PRODUCTION

Arthur R. Murphy, Penns Grove, N. J., and Crayton K. Black, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 18, 1935, Serial No. 17,058

4 Claims. (Cl. 260—86)

1. A composition of matter represented by the formula:



2,077,489

PIANO STRING SYSTEM

Artur Einar Petrus Östlund, Stockholm, and Sven Gunnfors, Angby, Sweden

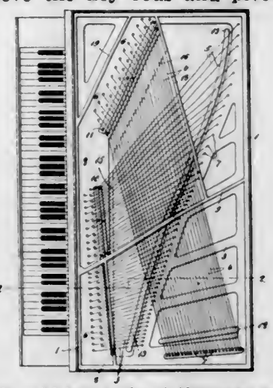
Application July 20, 1935, Serial No. 32,372

In Sweden July 11, 1933

1 Claim. (Cl. 84—197)

A piano having a horizontal string frame of substantially rectangular shape, the bass strings

extending substantially diagonally relative to such frame and the hammers pertaining to said bass strings angularly displaced relative to the key rods thereof, comprising auxiliary keys arranged above the key rods and pivotally con-



nected with said key rods at the rear ends thereof, said auxiliary keys being arranged to swing in the planes of movement of said hammers, thereby transmitting energy from said keys to said hammers upon actuation of said keys.

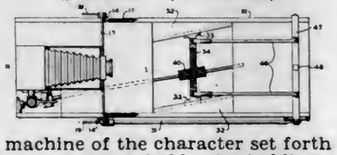
2,077,490

MEANS FOR LINE JUSTIFICATION

Robert E. Paris, New York, N. Y.

Application August 28, 1934, Serial No. 741,798

4 Claims. (Cl. 88—24)



1. A machine of the character set forth including a camera, a copy-holder for holding copy including unjustified copy lines, means for moving the camera and copy-holder relatively for increasing and decreasing the distance therebetween, and means for automatically effecting lateral adjustment of the comera and copy-holder according to the relative movement effected by the first said means in such manner as to position the left-hand end of the copy line so that it will always be photographed in the same vertical plane on a photographic plate in said camera, and means for concomitantly advancing the copy and the plate.

2,077,491

PACKAGE BINDING TOOL

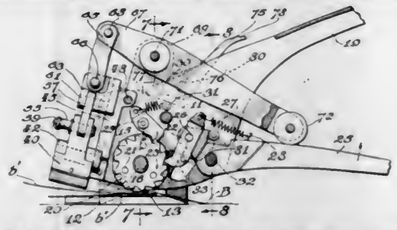
Armand Perrelet, Paris, France, assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware

Application March 20, 1935, Serial No. 12,094

In France March 30, 1934

7 Claims. (Cl. 81—9.1)

1. A package binding tool comprising a main frame having a foot for resting on the thing to be bound, an auxiliary frame pivoted to the main frame, a handle rigidly associated with the auxiliary frame, a binder tensioning mechanism, an actuating handle movable toward and from the first-mentioned handle to operate the tensioning mechanism, a joint-forming mechanism carried by the auxiliary frame, an operative connection between the actuating handle and the joint-forming mechanism whereby the actuating handle as it moves toward and from the first-mentioned handle operates the joint-forming mechanism, said pivotal connection between the two frames permitting the auxiliary frame to be moved so as



to bring the joint-forming mechanism into and out of active relationship with respect to the binder, and a manually releasable latch for holding the auxiliary frame in position to retain the joint-forming mechanism out of active relationship with respect to the binder.

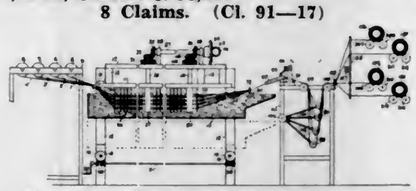
2,077,492

APPARATUS FOR LATEXING CORDS

Norman J. Ritzert, Dayton, Ohio, assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio, a corporation of Ohio

Original application February 13, 1934, Serial No. 711,033. Divided and this application August 3, 1935, Serial No. 34,485

8 Claims. (Cl. 91—17)



1. A machine for impregnating cords with latex comprising a plurality of power-driven members adapted to be immersed in a latex solution, the adjacent members being driven in opposite directions, said members being disposed in vertical directions.

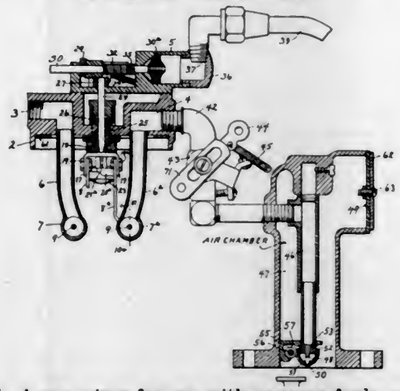
2,077,493

GAS MIXER

Giacinto Rossi and Joseph Massa, Philadelphia, Pa.

Application November 25, 1933, Serial No. 699,664

8 Claims. (Cl. 48—180)



1. A gas mixer for use with gaseous fuels, comprising a gas chamber having intake and exit

ports, a valve within said chamber connected to said intake port to control the flow of gas through the gas chamber, means automatically controlling said valve when once opened, an air chamber having intake ports, a gas compartment within said air chamber connected at one end to the gas chamber, and means at the other end of said gas compartment for controlling the mixture of the gas with air.

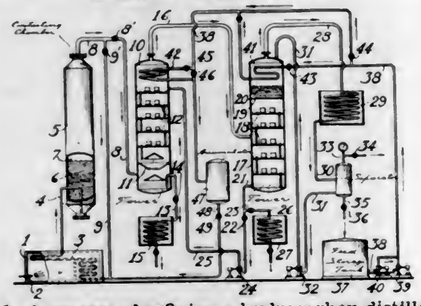
2,077,494

PROCESS OF CLAY TREATING PETROLEUM DISTILLATES

Eugene R. Smoley, Fort Wayne, Ind., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 30, 1933, Serial No. 678,448

4 Claims. (Cl. 196—96)



1. A process of refining a hydrocarbon distillate derived from cracking containing objectionable unsaturates which comprises passing said distillate in vapor form after having been heated to a temperature above about 550° F. but below cracking temperature and while under superatmospheric pressure in the absence of added oxygen through a bed of solid adsorbent material capable of polymerizing objectionable unsaturates present in said distillate, maintaining said bed of solid adsorbent material at a temperature which will avoid condensation of vapors passing therethrough, thereafter passing the vapors so treated into a rectifying zone wherein progressive cooling of said vapors is effected and said vapors undergo extensive fractional condensation and rectification to separately condense a fraction consisting of higher boiling constituents of said vapors while retaining the constituents desired in the final distillate in vapor form, separately withdrawing the condensate so formed, passing the remaining fractionated vapors through a second bed of solid adsorbent material to effect further polymerization of objectionable unsaturates, and condensing and collecting the resulting treated vapors as the desired distillate product.

2,077,495

WEIGHING APPARATUS

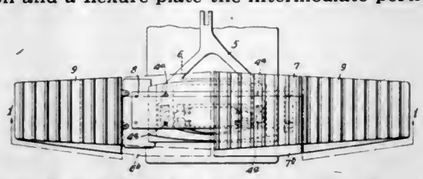
Cameron McGregor Sykes, Soho Foundry, Birmingham, England, assignor to W. & T. Avery Limited, Birmingham, England

Application November 1, 1933, Serial No. 696,239

In Great Britain November 3, 1932

4 Claims. (Cl. 265—27)

1. Weighing apparatus for ascertaining the axle loading of vehicles comprising in combination a weighing lever, a member supported on the said lever and adapted to transmit the load thereto, a pair of load receiving members rockably mounted on said load transmitting member and having oppositely inclined surfaces which provide means for leading a wheel to and from the weighing position and for providing a V-shaped seating for the wheel when in the weighing position and a flexure plate the intermediate portion



whereof rests on said load transmitting member and the end portions whereof are secured to the load receiving members for regularizing the movement thereof.

2,077,496

KITCHEN VENTILATOR

Bernhard Sonntag, Dallas, Tex.

Application December 4, 1936, Serial No. 114,157

4 Claims. (Cl. 98—115)



1. A ventilator of the class described and adapted to be used with a hood, said ventilator comprising a housing having a rearwardly projecting support, a centrifugal blower for creating air suction, and electric motor mounted on the said projecting support for operating said blower, the blower being inclosed by the housing, said housing including a bottom wall, a top wall, side walls, and a rear partition wall, said partition wall separating the motor and blower, a removable cover plate for the housing, said plate having an opening for inlet of smoke and fumes, and said top wall having an opening for exhaust of said fumes and smoke, and including a smoke deflecting means projecting outwardly and upwardly from the lower part of the said housing.

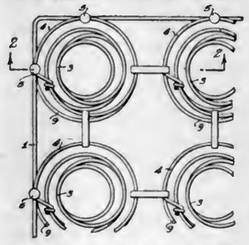
2,077,497

SPRING

Robert L. Stevens, Detroit, Mich.

Application April 26, 1934, Serial No. 722,407

2 Claims. (Cl. 5—259)



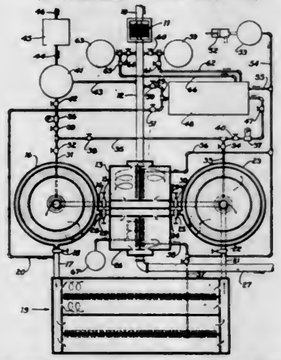
2. In combination with a spring structure having a pair of wire members adapted to be se-

cured together, a securing element, for tying said members together, said securing element comprising a body having an enlarged head providing a bearing surface and having a slot through which each of said members extend, and bent portions on said body retaining said convolutions in said slot.

2,077,498
DISPOSAL OF SEWAGE AND THE LIKE

Philip B. Streander, Scarsdale, N. Y., assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y., a corporation of New York

Application March 13, 1935, Serial No. 10,765
2 Claims. (Cl. 210—2)

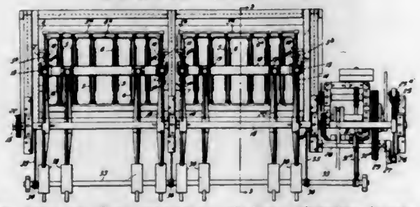


1. In apparatus for treating a stream of raw sewage and the like, a conduit through which the sewage is supplied, two combined settling and filtration units, a biological flocculation unit, a valve connection between the supply conduit and each of said settling and filtration units, and a valve connection between each of said settling and filtration units and said biological flocculation unit, a discharge conduit, and a valve connection between each of said settling and filtration units and said discharge conduit whereby the sewage may be passed in succession through one of said settling and filtration units, the biological flocculation unit, the other settling and filtration unit and the discharge conduit, or in parallel through said settling and filtration units to said discharge conduit.

2,077,499
MEANS FOR PASSING PLATES, SHEETS, BARS OR OTHER ARTICLES THROUGH ACID TREATMENT BATHS, FURNACES, OR THE LIKE

Hubert Spence Thomas, Chiswich, London, England, and William Robert Davies, Whitchurch, Wales, assignors to The Melingriffith Company Limited, London, England

Application April 24, 1935, Serial No. 18,068
In Great Britain April 27, 1934
2 Claims. (Cl. 266—7)

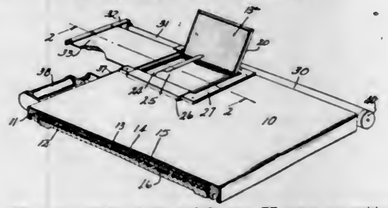


1. Means for passing plates, sheets, bars or other articles through acid treatment baths, furnaces or the like incorporating a feeding point, a delivery point, a pair of complementary rack members, a lever connected to each of said rack members, gearing interconnecting said levers, means for imparting a simultaneous oscillatory movement to said levers whereby the rack members are reciprocated vertically in opposite directions, guide means associated with one of the rack members and means for imparting a simultaneous to-and-fro motion to the said guide means whereby the rack member associated with the said guide means moves in a path involving successive upward, forward, downward and rearward movements relatively to the other rack member whereby articles are received from the feeding point and progressed in step-by-step stages through the bath, furnace or the like and finally lifted to the delivery point.

2,077,500
APPARATUS FOR THE IDENTIFICATION OF X-RAY FILMS

De Wayne Townsend, Brooten, Minn., and George W. Bradburn, Milwaukee, Wis.

Original application September 20, 1932, Serial No. 633,950. Divided and this application March 14, 1935, Serial No. 11,120
2 Claims. (Cl. 250—34)

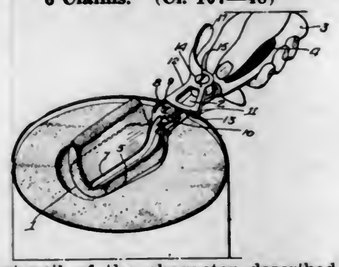


1. The combination with an X-ray casette including a fluorescent screen, a window in the casette including a corresponding portion of the fluorescent screen, a label bearing an X-ray opaque inscription for insertion upon the film under the window and corresponding portion of the fluorescent screen, a light screen for temporary insertion in the casette to prevent access of light to the film when the window is open and means for exposing the label to X-rays for a different time interval than that allowed for the remainder of the film.

2,077,501
ICE CREAM DIPPER

Maximilian Edward Weiss, Philadelphia, Pa.

Application June 22, 1936, Serial No. 86,540
6 Claims. (Cl. 107—48)



1. A utensil of the character described comprising a handle, a bowl provided with a slicing edge, and a movable guard normally positioned adjacent to but spaced above said edge to regulate the thickness of a slice cut by said edge.

2,077,502
PRESERVATION OF RUBBER

Ira Williams, Woodstown, and William A. Douglass, Penns Grove, N. J., and Arthur M. Neal, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

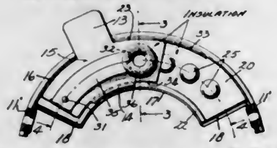
No Drawing. Original application October 25, 1932, Serial No. 639,478. Divided and this application September 11, 1934, Serial No. 743,553
18 Claims. (Cl. 18—50)

3. The method of preserving rubber which comprises incorporating therein a 1:5-naphthalene diamine in which each amino nitrogen carries one hydrogen atom and one hydrocarbon radical of the group consisting of alkyl, phenalkyl and phenyl radicals.

2,077,503
ELECTRIC SWITCH

Robert K. Winning, Wauwatosa, Wis., assignor to Clum Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application September 12, 1934, Serial No. 743,676
13 Claims. (Cl. 200—6)



1. A switch comprising spaced frame members correspondingly channeled, means connecting said frame members, terminal heads in the form of plates engaged in the channels of the respective members, contact means carried by said heads, and a moving contactor movable between said heads and provided with contact means for closing a circuit between the contact means of the respective heads.

2,077,504
SWITCH

Robert K. Winning, Wauwatosa, Wis., assignor to Clum Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application September 30, 1935, Serial No. 42,757
7 Claims. (Cl. 200—67)



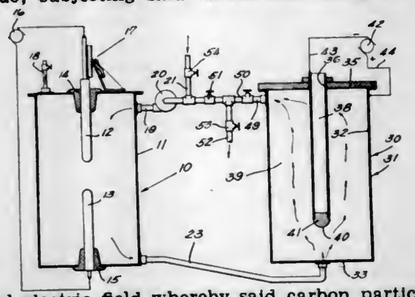
1. In a switch, a rotatable disk comprising a contact carrier provided at intervals about its periphery with substantially radial notches, and a balanced series of contact elements on the face of said disk, each element having fulcrum means intermediate its ends and each element providing two contact surfaces and tongues engaged through said notches, the several elements being arcuate about the axis of said disk for pivotal movement upon substantially radial fulcrum axes.

2,077,505
ELECTRIC SEPARATOR AND METHOD

William Woelfin, Long Beach, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California

Application June 17, 1932, Serial No. 617,835
17 Claims. (Cl. 204—1)

1. A method of separating carbon particles from a body of oil by the use of a pair of electrodes, which method includes the steps of: establishing an electric field of greater intensity toward the negative electrode than toward the positive electrode; subjecting said carbon-containing oil to

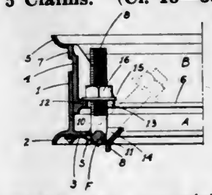


said electric field whereby said carbon particles migrate to said negative electrode and are deposited thereon; and withdrawing the oil from said field.

2,077,506
ADJUSTABLE RIM

Herbert J. Woock, Lodi, Calif., assignor, by mesne assignments, to Super Mold Corporation of California, a corporation of California

Application September 9, 1935, Serial No. 39,690
5 Claims. (Cl. 18—38)



1. An adjustable rim comprising inner and outer bands slidably engaging each other for relative movement in an axial direction, the outer band being adapted to fit within the beads of a tire, bead engaging flanges projecting outwardly from the opposite edges of the bands, adjustable bolts permanently pivoted on the outer band inwardly thereof adjacent the plane of its bead engaging flange and adapted when in operation to lie parallel to the axis of the rim, lugs projecting inwardly from the inner band in a plane adjacent the edge of the same opposite its bead engaging flange and through which the bolts may removably project when swung on their pivots, and adjustable nuts on the bolts beyond the lugs.

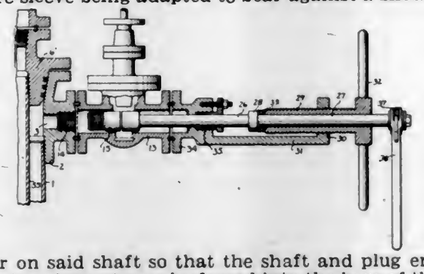
2,077,507
DEVICE FOR ADJUSTING FITTINGS AND THE LIKE UNDER FLUID PRESSURE

John R. Yancey, Houston, Tex., assignor to Gray Tool Company, a corporation

Application December 2, 1935, Serial No. 52,585
1 Claim. (Cl. 29—84)

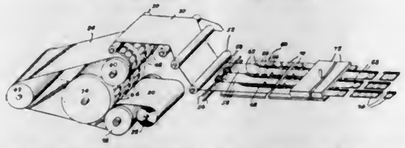
A plug inserting and removing tool comprising a body member provided with means whereby it may be secured in sealed engagement against the open bore of a pipe fitting, an aperture in said member adapted to be aligned with the bore of the fitting, a plug engaging element rotatable in said member and including a shaft extending through the member aperture, means in the aperture to form a seal about the shaft, said member including a second aperture concentric with the first aperture, a pressure sleeve having threaded engagement with the last men-

tioned aperture, said shaft extending through said pressure sleeve, the inner end of said pressure sleeve being adapted to bear against a shoul-



der on said shaft so that the shaft and plug engaging element may be forced into the bore of the pipe fitting and outward movement of a plug under pressure may be controlled.

2,077,508
METHOD OF MAKING MOLDED MATS
John M. Bierer, Newton, Mass., assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application February 9, 1935, Serial No. 5,722
3 Claims. (Cl. 18—56)



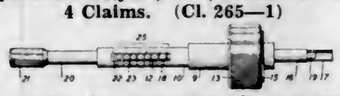
1. A method of making curved edge molded mats of different sizes from plastic strip material, consisting of continuously moving the strip longitudinally, molding thereinto during such movement a series of repeated design units separated from each other by areas of uniform width, the dimension of each unit longitudinally of the strip being a divisor common to the corresponding dimensions of mats of said different sizes, continuously molding into a permanent curve one longitudinal edge of the strip during said movement, and severing the strip between selected design units to provide curved edge molded mats of the desired different sizes.

2,077,509
SAW HANDLE
Arthur N. Blum, Philadelphia, Pa., assignor to Henry Disston & Sons, Incorporated, Tacony, Pa., a corporation of Pennsylvania
Application June 27, 1935, Serial No. 28,752
1 Claim. (Cl. 145—108)



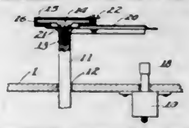
A saw handle comprising a body member having a seat for the saw blade and a plurality of elements projecting from said seat and adapted to fit correspondingly formed openings in said blade to position the latter on the seat, and a clamping plate to overlie the said seat for confining the blade to the latter and having recessed sockets for reception of the outer ends of said projecting elements, said body member and plate having registering apertures extending through the projecting elements and recesses respectively for reception of securing screws by means of which the body member and plate may be clamped together upon opposite faces of the blade, and said screws being separated from the edges of the blade openings through which they extend by the walls of said projecting elements.

2,077,510
SPRING CONTACT GAUGE
John D. Boehler, Kenmore, and Robert Alexander Sidur, New York, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application May 14, 1936, Serial No. 79,788
4 Claims. (Cl. 265—1)



4. A device for measuring the engaged pressure between the contacts of cooperating switching elements of a jack, said device comprising a support, a plug mounted for rotating movement on said support for engaging the sleeve of the jack and having a camming element, means for rotating said plug for moving said cam in operative relation with one of the elements for opening the contacts thereof, a gauge member mounted in said support, means for axially moving said member in said support for engaging said elements whereby a movement of said camming element to normal is effective to release the operated element for gripping the gauge member between the elements, a retractile spring tensioned by the axial movement of said gauge member, an index carried by said gauge member, and a scale on said support cooperating with said index for translating the tension of said spring in terms of the gripping action of the elements on said gauge.

2,077,511
SWITCH ACTUATING ATTACHMENT FOR MOTOR VEHICLE CLUTCH PEDALS
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices Corporation, Columbus, Ohio, a corporation of Illinois
Application November 29, 1935, Serial No. 52,115
3 Claims. (Cl. 74—480)



1. A starter switch operating attachment for motor vehicle clutch pedals comprising an elongated bar apertured at one end to receive the threaded stud of a detachable foot receiving disk carried by the upper end of a clutch pedal lever, whereby to confine said arm between said disk and the upper end of said lever so that the outer end of said arm is disposed in registration with an associated starter switch, the said arm being normally spaced from said starter switch to provide for normal clutch operation without contact between the arm and the starter switch.

2,077,512
POROUS BODY
Hans Buchloh, Leverkusen-I. G. Werk, Germany, assignor, by mesne assignments, to Pen-Chlor, Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 7, 1934, Serial No. 734,235. In Germany July 12, 1933
2 Claims. (Cl. 210—205)

1. In the process for the manufacture of porous bodies suitable for filtration the steps which comprise mixing an inorganic solid inert granular material of the group consisting of pumice stone sand, granulated ceramic matter and quartz sand with a mixture of the still liquid to plastic condensation product of a phenol and formaldehyde in the so-called A-state of condensation with a hardening agent of the group consisting of oxalic acid, a reactive metal oxide, benzene sulfochloride and p-toluene sulfochloride, the ingredients of the latter mixture being present in such proportions that the same is self-hardening at atmospheric temperatures and without heating within a period of about 24 hours, shaping the resulting mass and allowing it to harden.

2,077,513
RIBBED BOARD
George A. Buttress, Los Angeles, Calif.
Application October 28, 1935, Serial No. 47,013
5 Claims. (Cl. 72—116)



5. A ribbed board comprising a backing sheet and a facing sheet, said facing sheet being formed with a series of spaced hollow ribs and having an absorptive outer surface, and means for preventing penetration of moisture from said absorptive surface through said facing sheet.

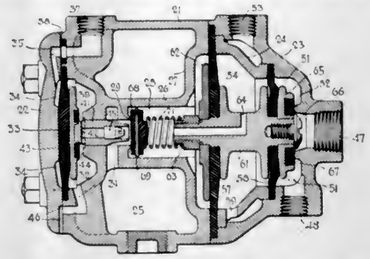
2,077,514
ELASTIC FABRIC AND METHOD OF MAKING THE SAME
John T. Callahan, Waban, Mass., assignor to Archer Rubber Company, Milford, Mass., a corporation of Massachusetts
Application March 16, 1934, Serial No. 715,851
15 Claims. (Cl. 154—2)



15. A flexible fabric of the order of 50 gauge or less, useful in the manufacture of garments or the like and having a villous surface on both faces, said fabric comprising a layer of relatively thick sheet gummed rubber coated upon one side at least with a relatively thin film of adhesive, and a flock layer comprising a multitude of independent short fibers each having one end embedded in said adhesive film and having its other end free, said fibers for the most part standing on end and being so closely disposed as substantially to cover and conceal the adhesive film, the rubber sheet having a multitude of ventilating openings passing through it, the flock fibers entering into the mouths of the openings and being firmly anchored to the walls of the latter.

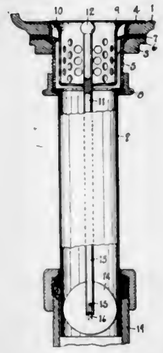
2,077,515
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application November 23, 1934, Serial No. 754,489
10 Claims. (Cl. 303—88)

10. The combination with a receiver having a liquid-collecting sump, of a drain valve connected with said sump and located wholly above the liquid level therein; motor means capable of being put into action to open said valve and then after a definite time interval, sufficient to ensure discharge of substantially all liquid from the sump, to close said valve; and means rendered effective by the performance of one such



cycle to preclude its recurrence for a definite time interval.

2,077,516
APPARATUS FOR CLEANING DRAIN PIPES
William F. Dart, Mason, Mich.
Application May 27, 1935, Serial No. 23,601
3 Claims. (Cl. 4—286)



1. In combination, a sink drain having a drain pipe, a removable concave strainer fitted in said drain with the concavity thereof extending downwardly into the drain pipe, a rod extending through the bottom of the strainer and having its upper end extending into the concavity and its lower end extending below the strainer into the drain pipe, a disk mounted on the lower end of said rod and arranged to be adjusted to either present an edge to matter passing through the drain pipe or to lie transversely of said drain pipe, said disk being of a diameter to slidably fit in said pipe with a clearance such that water flowing in the drain pipe will form a seal between the edges of the disk and the walls of the pipe.

2,077,517
STOPPER FOR NONREFILLABLE BOTTLES
Patrick F. Denning, Cleveland, Ohio
Application April 9, 1935, Serial No. 15,443
5 Claims. (Cl. 215—26)



1. A stopper for a non-refillable bottle, comprising two sections, an inturned flange on the

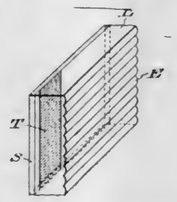
bottom section having a valve seat with an opening therethrough, a floating valve adapted to rest on said seat, a downwardly extending skirt carried by the top section and of substantially less diameter than the top section and the bottle neck, an intermediate section comprising a tamper-proof shell, loosely surrounding said skirt and secured to the upper section, and fastening means to secure the upper section to the lower section.

2,077,518

MANUFACTURE OF LENTICULAR SOUND FILM

John Eggert, Leipzig-Gohlis, and Gerd Heymer, Wolfen Kreis Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application June 4, 1934, Serial No. 729,016
In Germany June 3, 1933
3 Claims. (Cl. 274—46)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. In the reproduction of lenticular films having a sound track of the variable density type and lenticular elements running parallel with the sound track lines and transversely of the edges of the film, the improvement which consists in advancing the film at such a speed that in each second at least 10,000 lenticular elements pass the sound reproduction gate.

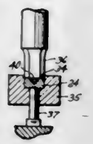
2. A lenticular film having a sound track of the variable density type and lenticular elements running parallel with the sound track lines and transversely of the edges of the film, wherein the breadth of each lenticular element is less than 45μ.

2,077,519

METHOD OF MAKING METAL ARTICLES

Lee A. Frayer, Kent, Ohio, assignor to The Lamson & Sessions Company, Cleveland, Ohio, a corporation of Ohio

Application November 22, 1933, Serial No. 699,117
19 Claims. (Cl. 10—86)



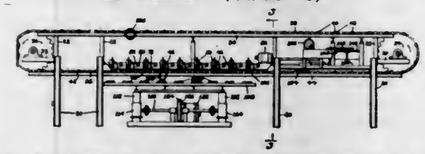
1. The method of making metal articles which comprises inserting into a matrix die a body containing approximately the amount of metal required for the article to be produced, forcing a tapered tool into said body and thereby forming a tapered opening therein while the metal of the body is allowed to flow in at least one direction, forcing a straight punch part-way into the tapered opening and in the same operation pressure shaping the body in a die while metal of the body is allowed to flow into said opening, and then completing the article by removing excess metal from the body.

2,077,520

MACHINE FOR MECHANICALLY WORKING HOLLOW THREAD PACKAGES

Harold F. Gibling, Pawtucket, R. I., assignor to Manville Jenckes Corporation, Manville, R. I., a corporation of Delaware

Application May 23, 1934, Serial No. 727,083
13 Claims. (Cl. 18—8)



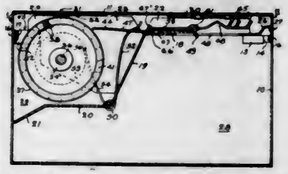
1. A machine for mechanically working a hollow thread package having, in combination, means for supporting a package comprising rollers engaging between them the package wall, means for beating the package while engaged by said rollers, means for rotating said rollers to vary the angular position of the package with relation to said supporting and beating means, and means acting on said rollers to exert a yielding pressure on the wall of the package.

2,077,521

REGISTERING MONEY BANK

Robert B. Hayden, Seattle, Wash., assignor to H. L. J. Specialty Co., Seattle, Wash., a corporation of Washington

Application January 6, 1932, Serial No. 585,034
7 Claims. (Cl. 235—100)



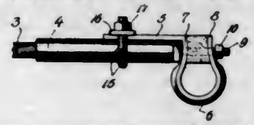
5. In a registering money bank, a register wheel, a spring pressed slide member positioned to advance said register wheel, said slide member having a recess therein and having upwardly projecting means provided with an inclined surface, and a pivoted locking plate having a pawl engageable within the recess in said slide for preventing movement of the slide, one side of said pawl being inclined and being engaged by the inclined surface means on said slide whereby the forward end of said locking member will be urged downwardly against said slide.

2,077,522

BATTERY CONNECTER

Floyd E. Heatwole, Ballston, Va.

Application May 8, 1935, Serial No. 20,493
4 Claims. (Cl. 173—259)



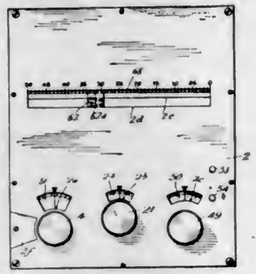
1. A battery connecter comprising a sheet metal strap having one end bent to form a substantially U-shaped yoke adapted to fit over the pole piece of a storage battery, means for clamping said yoke to the pole piece, said strap being bent further in such a manner as to form a lateral extension from the yoke, said extension having passages in the edges thereof adapted to receive the arms of a U-bolt, a U-bolt in the passages, an insulated electrical conductor secured in electrical conductive relationship by said U-bolt to said lateral extension, said conductor having an insulated portion extending between said U-bolt and the yoke whereby it is protected from the acid vapors from the battery.

2,077,523

APPARATUS FOR CALCULATING TRIGONOMETRIC PROBLEMS

Fritz A. Hug, Berkeley, Calif.

Application April 27, 1934, Serial No. 722,773
In Switzerland May 6, 1933
19 Claims. (Cl. 235—61)



1. Apparatus for quickly determining mechanically the distance of an object of known dimensions from an observation point from the predetermined appearing size of one of said known dimensions comprising a casing, a frame movably mounted on said casing, means for adjusting said frame rectilinearly with respect to said casing to a position corresponding to the known dimension of the object, said frame having a guide extending at right angles to direction of said rectilinear adjustment, a bar extending at right angles to the direction of said guide, a glider connected with said bar and contacting with said guide to be guided thereby, means for adjusting the glider and bar laterally to a position corresponding to the ratio of the known dimension to the predetermined appearing size of said dimension, means for indicating the ratio represented by the position of adjustment of said bar, means for retaining the direction of extent of said bar always parallel to the direction of rectilinear adjustment of the frame and parallel to its original direction of extent, and means for indicating the adjusted position of said bar in units denoting the distance of the object from the observation point.

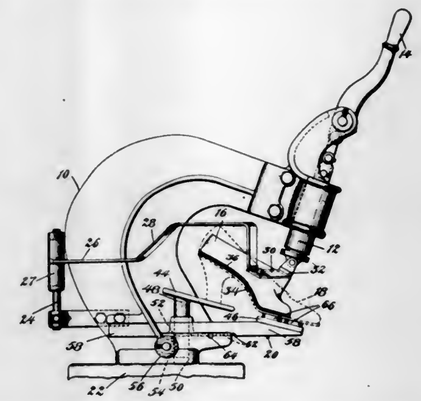
2,077,524

APPARATUS FOR MAKING SHOES

David Baird Macdonald, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application October 17, 1935, Serial No. 45,448
In Great Britain November 14, 1934
3 Claims. (Cl. 12—39)

1. A machine for laying sock-linings comprising a frame, a shoe support, a presser member, a form pivotally mounted upon the frame and having a yielding face portion adapted to engage the inside of the bottom of a shoe to be operated upon, and means for exerting pressure upon the form to lay a sock-lining in a shoe positioned upon the support.

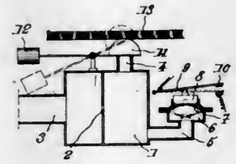


2,077,525

PNEUMATIC SAFETY DEVICE FOR THREAD WORKING MACHINES

Marcel Louis Mennesson, Neuilly-sur-Seine, France, assignor to Société Anonyme Solex, Neuilly-sur-Seine, France, a corporation of France

Application December 9, 1935, Serial No. 53,683
In Belgium December 12, 1934
11 Claims. (Cl. 117—28)



1. A device for use in a machine for working threads and the like, which comprises, in combination, a casing including a chamber filled with a fluid at a pressure different from atmospheric pressure and having at least one outlet, valve means for controlling said outlet adapted to be operatively controlled by at least one thread element, so as to open when said thread is broken, and a member movable in response to variations in the fluid pressure in said chamber produced by the opening of said valve means.

2,077,526

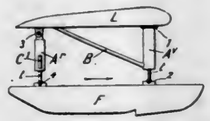
SYSTEM FOR RESILIENTLY CONNECTING FLOATS TO SEAPLANE BAYS

George Louis René Jean Messier, deceased, late of Paris, France, by Yvonne Lucie Messier, born Bonnamy, administratrix, Paris, France

Application May 6, 1933, Serial No. 669,772
In France May 14, 1932
4 Claims. (Cl. 244—105)

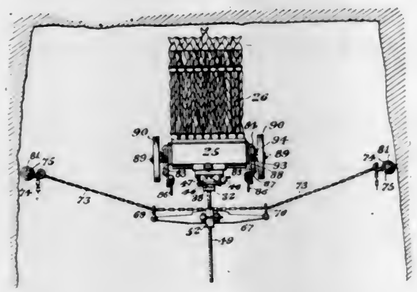
4. A resilient connecting means between a seaplane and a float, comprising exclusively for each connecting unit one pair of resilient shock absorbers mounted tandemwise, one in front and

the other behind and means such as the quadrilateral formed by the pair of shock absorbers, the



said float and the body of the sea-plane possessing three constant constituent elements.

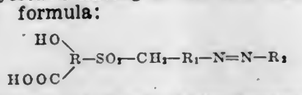
2,077,527
COAL MINING APPARATUS
Gideon D. Miller, Springs, Pa.
Application March 28, 1935, Serial No. 13,544
15 Claims. (Cl. 262—22)



1. In coal mining apparatus, the combination with a carriage, cutting mechanism projecting from one side of the same, and means on the carriage for operating the cutting mechanism, of feeding means for the carriage and cutting mechanism including a feed screw, a nut engaged with the screw, a cable extending transversely of the path of the carriage, and means for mounting the nut on the cable.

2,077,528
AZO DYESTUFFS
August Modersohn, Cologne-Mulheim, and Erich Fischer, Bad Soden in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 30, 1935, Serial No. 56,790. In Germany January 12, 1935
4 Claims. (Cl. 260—44.6)

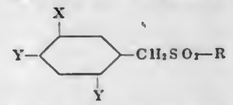
1. Dyestuffs having in the free state the following formula:



in which R and R_1 stands for benzene radicals, the carboxylic acid group and the hydroxy group in the benzene radical R standing in o-position to each other, and R_2 stands for a radical of a coupling component of the group consisting of pyrazolones and 2-naphthylamine sulfonic acids which have been coupled in the 1-position, dyeing the animal fibre generally yellow to violet shades of good fastness properties when after-chromed.

2,077,529
SULPHONE COMPOUNDS
August Modersohn, Cologne-Mulheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 24, 1936, Serial No. 65,523. In Germany January 21, 1935
10 Claims. (Cl. 260—109)

7. The compounds of the general formula:



wherein X stands for a substituent selected from the group consisting of the nitro group and the amino group, one Y stands for a hydrogen atom, the other Y stands for a substituent selected from the group consisting of halogen and alkyl, and R stands for the radical of an o-hydroxycarboxylic acid of the benzene series, being generally white to yellow crystalline substances insoluble in water, soluble in aqueous alkalies and organic solvents, and being valuable intermediates for the manufacture of dyestuffs.

2,077,530
HAIR CURLING MANDREL
Rocco Pezzella, Washington, D. C.
Application January 16, 1935, Serial No. 2,095
19 Claims. (Cl. 132—33)

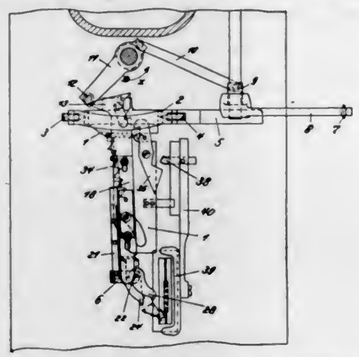


1. A mandrel comprising a body section having a longitudinally disposed reduced portion, a stretching section extending along the reduced portion and laterally movable with respect thereto, said sections being adapted to have a lock of hair wrapped around both, and spring means interposed betwen the sections for automatically separating them to place tension on the wrapped hair.

2,077,531
THREAD CUTTING DEVICE FOR BUTTONHOLE AND SIMILAR SEWING MACHINES
Hermann Pudelko, Bielefeld, Germany, assignor to Dürkoppwerke Aktiengesellschaft, Bielefeld, Germany
Application September 24, 1934, Serial No. 745,182
In Germany September 30, 1933
6 Claims. (Cl. 112—252)

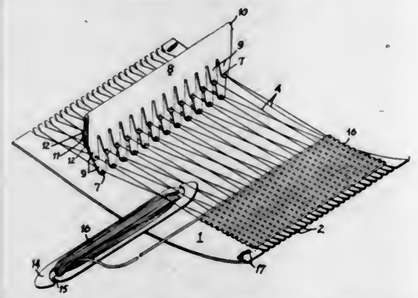
1. A thread cutting device on button hole and similar sewing machines, comprising in combination a cutting aggregate including besides a

fixed and a pivoted cutting member and a clamping member two relatively shiftable plates oscil-



latably and removably suspended at one end, and a guide slidably supporting the other end of said plates.

2,077,532
LOOM
Wayne F. Rossiter, San Francisco, Calif., assignor to Independent Press Room Inc., San Francisco, Calif., a corporation of California
Application April 29, 1935, Serial No. 18,710
2 Claims. (Cl. 139—55)

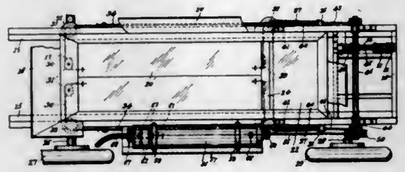


1. In combination with the warp threads of a loom, a harness comprising a flat sheet of rigid material having offset extensions on each end thereof, alternate warp threads passing through a line of apertures in said extensions, and a double hinge formed in said harness parallel to the lines of said apertures to provide relative motion of said extensions when said hinges are flexed.

2,077,533
PROCESS FOR THE TREATMENT OF THE FLESH OF MARINE MAMMALS
Hans Schmalfuss and Hans Werner, Hamburg, Germany
No Drawing. Application June 28, 1934, Serial No. 732,926. In Germany July 8, 1933
5 Claims. (Cl. 99—112)

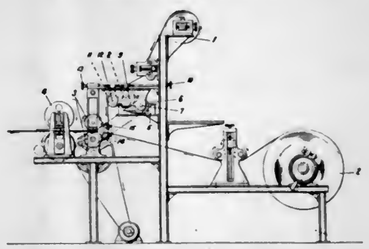
1. A process for the treatment of marine mammal tissue comprising subdividing the tissue, adding cold water, warming the mixture to a temperature between 80 and 96° C., then separating the aqueous constituent thereof from the solid residues which contain fat, albumen and the undesired entrained residues which give rise to a trainy odor and taste, and pressing and drying the solid residues.

2,077,534
SUCTION OPERATED DUMP DOOR FOR VEHICLES
Emil A. Sell, Omaha, Nebr.
Application June 10, 1935, Serial No. 25,848
3 Claims. (Cl. 298—29)



1. A dump wagon comprising a body portion having a pair of rear bottom doors and a front bottom door offset upwardly from said rear bottom doors, longitudinal hinges for the rear bottom doors, a transverse hinge for the forward bottom door, a pair of blocks disposed at opposite sides of the wagon frame, flexible connections between the opposite ends of said rear doors and the blocks, a flexible connection between said blocks and the forward bottom door, a transverse shaft forwardly of said doors, a pair of block chains carried by the blocks and wound in one direction upon said shaft, a pneumatic cylinder mounted on one side of the wagon frame, a piston in the cylinder, a single chain connected at one end to the piston and having its opposite end wound upon the shaft in a direction opposite to said block chains, suction means connected to the cylinder for operating the piston therein to turn the shaft and wind the block chains thereon and lift said bottom doors, and releasable locking means for said shaft to hold the same from retrograde movement when the doors are raised.

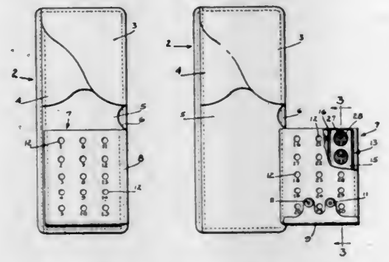
2,077,535
MEANS FOR APPLYING ADHESIVE TO MATERIALS FOR COATING SURFACES OR IN THE MANUFACTURE OF COATED OR COMPOUND MATERIALS
Gabriel Smith, Leyton, England
Application June 13, 1935, Serial No. 26,464
In Great Britain November 2, 1934
7 Claims. (Cl. 154—35)



1. A machine of the class described, comprising, in combination, a feed reel for a web of base sheet material and a feed reel for a web of transparent sheet material supported at different levels the second above the first, a pair of individually superposed pressing rolls arranged intermediate the levels of the two reels between which the webs from the same are drawn and compressed together, a trough for adhesive disposed between the pressing rolls and the transparent web reel at a level relatively close to the former, a pick-up roller in the trough, a patterned roller adapted

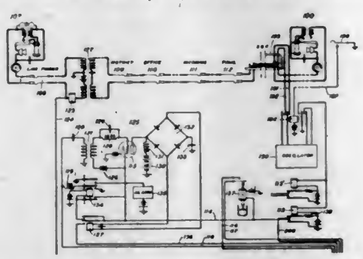
to apply a film of adhesive from the pick-up roller to the inner side of the transparent web trained free thereover in passage to the pressing rolls, said patterned roller being disposed laterally above and only a short distance from said pressing rolls and said transparent web being thereafter guided substantially direct into the bite of said rolls so as to be promptly but with proper assurance of smoothness contacted with the base sheet web after receiving the adhesive film coating, and a transfer roller between said pick-up and patterned rollers imparting a thin film coating of adhesive from the former to the latter of a degree less than it itself receives from said former; said pick-up, patterned and transfer rollers being mechanically rotated together.

2,077,536
COMBINATION WALLET AND CALENDAR BANK
Gordon H. Taggart, Minneapolis, Minn.
Application December 28, 1935, Serial No. 56,483
15 Claims. (Cl. 232—5)



1. In a device of the class described, a body portion, a holder fastened thereto, a wall of the holder having a plurality of sight holes therein representing the dates of the month, a coin-receiving insert removably fitting in the holder, and means in the insert whereby the coins inserted therein are progressively moved into alinement with said sight holes, thereby to indicate the date of the month.

2,077,537
SYSTEM FOR TRACING TELEPHONE CALLS
John W. Taylor, Omaha, Nebr., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 19, 1936, Serial No. 80,614
12 Claims. (Cl. 179—27)



1. In a system for tracing the origin of telephone calls, a plurality of switching stages over which calls may be established from calling lines to called lines, each stage comprising a plurality of selector switches, a source of tone current, a tone current detector, a finder circuit for associating said detector in rotation with each selector switch of one of said switching stages, and means controlled from a called line for connecting said source of tone current to the central office terminals of said called line and for causing said finder circuit to search for the selector switch of said one switching stage over which a call has been established to said called line.

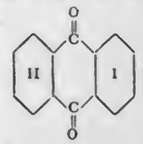
2,077,538
EXHAUST GAS ANALYZER FOR AUTOMOTIVE VEHICLES
Louis S. Wait, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application June 8, 1935, Serial No. 25,692
14 Claims. (Cl. 73—51)



14. An exhaust gas analyzer, comprising a plurality of bleeder conduits each discharging to the atmosphere, and arranged in series relation, the first of which is connected to a preceding exhaust gas conduit between the latter's ends, to bleed therefrom a part only of its flow of exhaust gas, and the last of which is similarly connected between the ends of the preceding one, suction means at the discharge end of each bleeder conduit to draw therethrough the gases bled from the preceding conduit, and analyzing mechanism, the last bleeder conduit passing through said analyzing mechanism.

2,077,539
ACID WOOL DYESTUFFS OF THE ANTHRAQUINONE SERIES
Klaus Weinand, Leverkusen-I. G. Werk, and Curt Bamberger, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 7, 1935, Serial No. 48,778. In Germany November 16, 1934
3 Claims. (Cl. 260—60)

1. The products of the formula:—



which contain in both α-positions of the nucleus marked I an hexahydroaryl amino group wherein the aryl is of the benzene series and a sulfamide sulfonic acid group in one β-position of the nucleus marked II.

2,077,540
DENTAL CLEANSING AND MASSAGE DEVICE
Harry Logue Welker, Williamsport, Pa.
Application October 11, 1934, Serial No. 747,951
1 Claim. (Cl. 15—188)

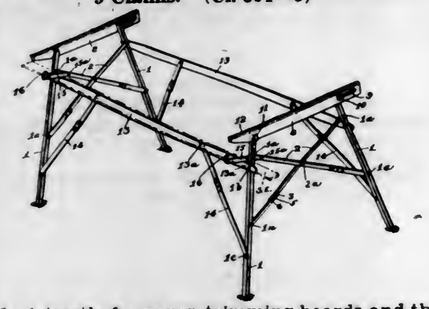
An article of manufacture for cleaning and massaging the teeth and gums and comprising a finger cot receptacle made of resilient material,

one side of said cot being thickened and having protuberances extending therefrom, a reservoir for tooth paste or the like formed in said side, said side having slits formed therethrough to communicate with said reservoir and normally closed by the resilience of said material to prevent discharge of tooth paste from said reservoir



and adapted to be opened by pressure applied to said reservoir to discharge paste therefrom, means detachably connected to the outside of said cot to cover said slits, and a rib formed on the inside surface of said cot opposite to said side and lengthwise of the cot to adapt the same for use on fingers of different sizes.

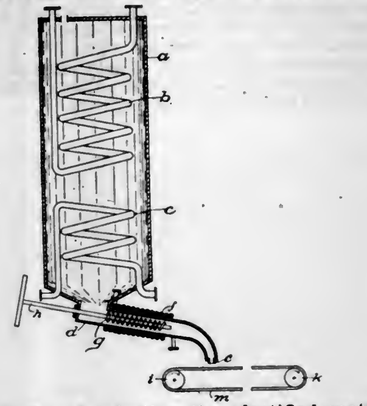
2,077,541
FOLDABLE TRESTLE FOR PAPER-TRIMMING BOARDS AND THE LIKE
Daniel H. Wieslander, Portland, Maine
Application October 24, 1935, Serial No. 46,553
9 Claims. (Cl. 304—5)



1. A trestle for paper-trimming boards and the like comprising four legs inclined inwardly from perpendicular, both longitudinally and transversely of said trestle, diagonally disposed, two brace-bars, each having a jack-knife joint intermediate its ends, pivotally interconnecting the legs in each pair of tranversely aligning legs, two side-bars, one on each side of the trestle, said side-bars pivotally interconnecting, respectively, the two pair of longitudinally aligning legs, two jack-knife jointed members pivotally interconnecting each of the said side-bars and two adjacent legs on each side of the trestle, said members serving to stabilize the trestle structure longitudinally thereof, and a cross-bar, having a longitudinal slot at one end, disposed across the trestle and interconnecting each pair of transversely aligning legs.

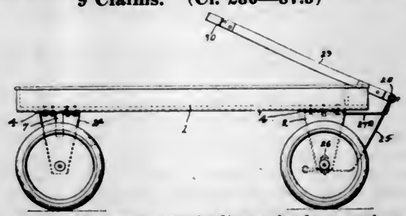
2,077,542
PRODUCTION OF MOLDED ARTIFICIAL MASSES
Carl Wulff and Eugen Dorrer, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Original application September 26, 1931, Serial No. 565,286. Divided and this application March 26, 1935, Serial No. 13,066. In Germany October 2, 1930
9 Claims. (Cl. 18—55)

1. The process of producing molded articles which comprises heat-plastifying at a temperature above about 120° C. a polymeric mono-vinyl



compound and injecting the plastified material into a mold.

2,077,543
CHILD'S WAGON
Oliver E. Barthel, Detroit, Mich.
Application November 18, 1935, Serial No. 50,330
9 Claims. (Cl. 280—87.5)

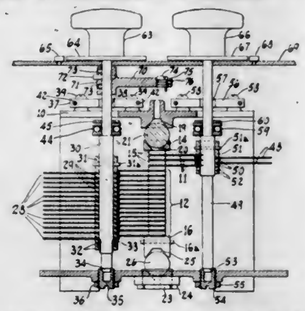


1. A child's wagon including a body member, an axle, a pair of brackets for attaching said axle to said body member, said axle being formed of sheet metal of channel shape in cross section with the upper and lower flanges of said channel at the ends of said axle extended beyond the ends of the connecting web of the channel to form end ears at the ends of said axle for the pivotal support therebetween of steering knuckles, the ends of said axle being secured to said brackets with said ears projecting beyond the outer face of said brackets.

2,077,544
ELECTRIC CONDENSER
Leo Behr, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 6, 1934, Serial No. 719,252
16 Claims. (Cl. 175—41.5)

1. A variable electric condenser comprising a supporting frame, a bank of stationary plates, a plurality of spherical insulating members supporting said bank of plates from said frame and disposed to define a geometrically rigid figure, a movable plate assembly cooperating with said stationary bank of plates and provided with a spindle journalled at one end in said frame, a bearing for the other end of said spindle comprising a member having a V-shaped notch and a spring-biased plate elastically retaining said spindle in said notch, a plurality of click pin and detent members, the pin and detent elements of each member being relatively movable, a corresponding element of each of said click and de-

tent members being movable with said movable plate assembly, and the elements of each member being mounted for successive engagement upon movement of said movable elements, a corresponding element of each of said members being rigidly spaced, and means for adjusting the spacing of said last-mentioned elements.



2. An electric condenser comprising a supporting frame, a bank of stationary plates, and only three spherical insulating and supporting members for holding said bank of plates fixed with respect to said frame, said supporting members being positioned at the vertices of a triangle, one on one side of said bank of plates and the other two of said members on the opposite side of said bank of plates.

6. A click index for a variable electrical device comprising a plurality of click pin and detent members, the pin and detent elements of each member being relatively movable and said elements being mounted for successive engagement upon movement of the movable elements of said members, means for rigidly and approximately equally spacing a corresponding element of each of said click and detent members, and means for adjusting the spacing of said last-mentioned elements only within a range less than the spacing of adjacent elements.

15. A variable electric condenser comprising a supporting frame, a bank of stationary plates rigidly supported therein, a movable plate assembly cooperating with said stationary bank of plates, means supporting said assembly for rotation about a fixed axis, a counter-balancing member diametrically opposite said movable plate assembly, said member having a static moment about said axis equal and opposite to that of said movable plate assembly, and a click mechanism one portion of which includes a plurality of click projections, and the other portion of which includes a click detent, one of said portions being supported by said weight and rotatable therewith relative to said other portion.

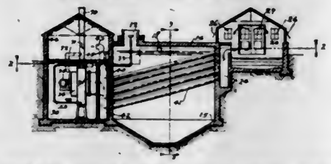
2,077,545

SEWAGE SLUDGE TREATMENT PLANT

Charles Brossman, Indianapolis, Ind.

Application December 3, 1935, Serial No. 52,699

4 Claims. (Cl. 210—2)



1. A sewage sludge treatment plant, comprising a sludge-digestion tank, an enclosed sludge-drying chamber having an outlet to the atmosphere, a heating device which heats gaseous material and burns combustible gas produced in said sludge-digestion tank, and heating tubes located in said sludge-digestion tank and communicating with said heating device and with said sludge-drying chamber, said heating device being arranged to supply heated gaseous material to said heating tubes and thence to said sludge-drying chamber and thence to the atmosphere.

2,077,546

PROCESS FOR DYEING LEATHER

John Burchill and George Stuart James White, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application October 30, 1935, Serial No. 47,471. In Great Britain December 4, 1934

8 Claims. (Cl. 8—5)

2. The method of dyeing which comprises wetting tanned leather, drumming it in a solution containing an alkali-metal dichromate and a synthetic dyestuff of the class consisting of chrome and afterchrome dyes, adding to the dye bath an exhausting agent, and maintaining the temperature throughout the process at 55° to 65° C.

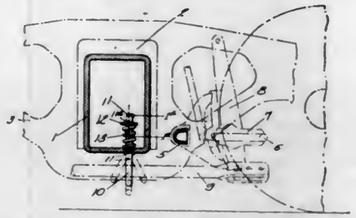
2,077,547

BOTTOM ROD SAFETY GUARD

Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Application July 11, 1932, Serial No. 621,767

14 Claims. (Cl. 188—210)



1. In combination, a railway truck part, and a brake bottom rod safety guard carried thereby, said guard including a vertically yielding element underlying said rod at a point spaced below said rod to permit unobstructed movements of the same normally.

2,077,548

PRODUCTION OF DINAPHTHYLENE OXIDE

George Roger Clemo and Joseph George Cockburn, Newcastle-on-Tyne, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application March 9, 1932, Serial No. 597,801. In Great Britain March 17, 1931

2 Claims. (Cl. 260—54)

2. A process for the production of 1:2'-dinaphthylene-2:3'-oxide which comprises heating 2:2'-dihydroxy-1:1'-dinaphthyl with β-naphthol in the presence of calcium oxide at a temperature within the range of about 300° C. to 360° C., the proportion of β-naphthol being less than the proportion of 2:2'-dihydroxy-1:1'-dinaphthyl and the proportion of calcium oxide being about 1% to about 10% by weight of the mixture.

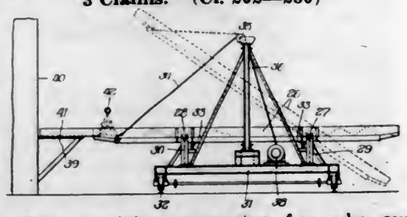
2,077,549

COKE OVEN EQUIPMENT

M. D. Curran, St. Louis, Mo., and William A. Sloss, West Frankfort, Ill., assignors to Brassert-Tidewater Development Corporation, Chicago, Ill., a corporation of Delaware

Application April 26, 1934, Serial No. 722,472

3 Claims. (Cl. 202—230)



1. Coke receiving apparatus for coke ovens, comprising a tray of a width and length not materially less than the width and length of the oven floor, said tray having at least one raised end and a water-tight bottom to retain a shallow pool of water, means for supporting the tray in a horizontal position adjacent the delivery end of an oven to receive a horizontal sheet of coke therefrom, means for spraying water on coke entering the tray, and means for tilting the tray to discharge material thereon.

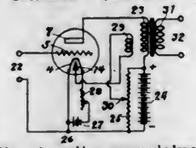
2,077,550

RADIO CIRCUIT

Henri François Dalpayrat, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware

Original application March 9, 1929, Serial No. 345,654. Divided and this application July 23, 1929, Serial No. 380,273

21 Claims. (Cl. 179—171)



2. In a radio circuit comprising an amplifying tube having cathode, anode and grid electrodes and including an auxiliary electrode located near the cathode to avoid the space charge, an input circuit, a grid circuit to said tube, a plate output circuit from said tube and an intermediary tuned circuit coupled between said input circuit and said grid circuit and connected to said auxiliary electrode.

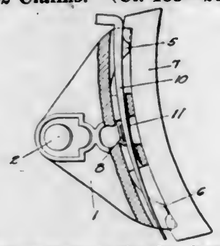
2,077,551

BRAKE SHOE TIGHTENER

Herbert W. Ekholm, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Application March 16, 1932, Serial No. 599,130

22 Claims. (Cl. 188—243)



1. In combination, a brake head member, a brake shoe member mounted thereon, a key securing said members together, and a separate spring element inserted between and detachably engaging said key and one of said members and maintaining all of said parts tightly assembled.

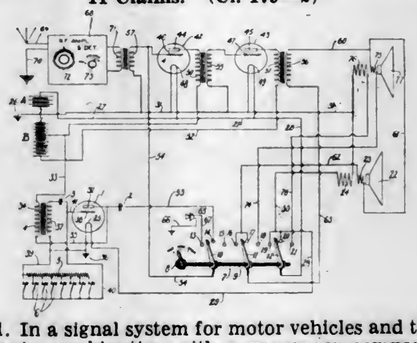
2,077,552

RADIO SIGNALING SYSTEM AND APPARATUS

Howard J. Findley, Cleveland, Ohio, assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio, a corporation of Ohio

Application September 20, 1933, Serial No. 690,243

11 Claims. (Cl. 179—2)



1. In a signal system for motor vehicles and the like, in combination with a passenger compartment of the vehicle having a compartment wall, a first electrically energizable sound-producing device disposed on one side of the wall in the passenger compartment in a position to be more readily audible internally than externally of the passenger compartment, a second electrically energizable sound-producing device disposed on the vehicle on the other side of the wall in a position to be more readily audible externally of the passenger compartment than internally thereof, an electronic tube type radio receiver, and electronic tube type oscillator, an electronic tube type amplifier, and a manually operable two-position switch all mounted on the vehicle, and with the switch within reach of a vehicle occupant, means causing the two-position switch to normally take up a first position and in that position closing by its contacts, circuit means effecting energization of the first sound-producing device by the radio receiver through the amplifier, and operable to the second position to open said closed contacts to effect interruption of said energization of the first sound-producing device and in said second position closing, by other contacts, circuit means to effect energization of the second sound-producing device from the oscillator through the same amplifier.

2,077,553

DOUBLE CLUTCH TRANSMISSION

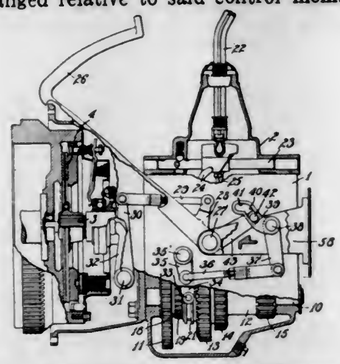
Otto E. Fishburn and Palmer Orr, Muncie, Ind., assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application December 27, 1932, Serial No. 648,948

1 Claim. (Cl. 192—48)

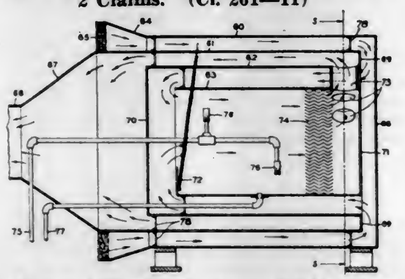
In combination a transmission housing, transmission mechanism in said housing including a variable speed gear train having a drive shaft, a driven shaft and means including a countershaft and a positive acting clutch for connecting and disconnecting said drive shaft and said driven shaft, an engine clutch mounted on

said housing having its driven element connected with said drive shaft, a manually operated engine clutch control member pivotally mounted on said transmission housing, an operating connection between said control member and said engine clutch, a rocker pivotally mounted on said housing and having arms extending away from the axis thereof, one arm of said rocker having a slot therein, one portion of said slot extending at an angle to the remaining portion, means carried by said control member adapted to ride in said slot, said slotted rocker arm being so arranged relative to said control member as



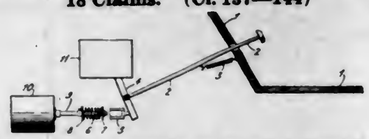
to cause said rocker to remain stationary during the first part of the engine clutch release movement of said control member and to move angularly upon its axis during the later part of said engine clutch release movement, a rock-shaft mounted on said housing having an arm engaged with said positive acting clutch and a second arm located externally of the housing and an adjustable link interconnecting the extremities of said second rock-shaft arm and the remaining arm of said rocker whereby angular movement of said rocker may cause said rock-shaft to move angularly to actuate said positive clutch.

2,077,554
AIR CONDITIONING APPARATUS
Walter L. Fleisher, New York, N. Y.
Application April 30, 1932, Serial No. 608,392
2 Claims. (Cl. 261—11)



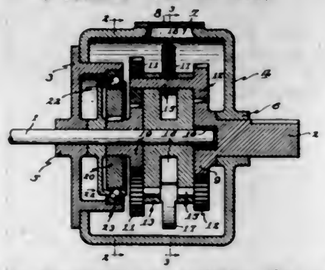
1. A combined interchanger-washer for air conditioning comprising a washer chamber, a first wall surrounding the wall of said washer chamber and spaced therefrom to form an inlet air passage to said washer chamber, a second wall surrounding said first wall and spaced therefrom to form an outlet air passage from said washer chamber, and a third wall surrounding said second wall and spaced therefrom to form an inlet passage connected at one end to the first mentioned inlet passage.

2,077,555
SPEED CONTROL DEVICE
Samuel G. Frantz, Princeton, N. J.
Application January 28, 1932, Serial No. 589,440
18 Claims. (Cl. 137—144)



1. In a motor vehicle in which a throttle control device projects from the floor of the vehicle and which is adapted to be operated by the operator's foot by depressing the device in accordance with the speed desired, an indicator device also projecting from the floor of the vehicle adjacent the throttle and so arranged that the driver's foot may be placed so as to be in operative relationship with both said throttle and said indicator device, a speed responsive device, and means controlled thereby and acting on said indicator device for forcefully apprising the driver whenever the speed of the vehicle departs from a predetermined value.

2,077,556
CHANGE GEAR
Ralph M. Gaston, Chicago, Ill.
Application May 11, 1935, Serial No. 20,968
6 Claims. (Cl. 74—260)

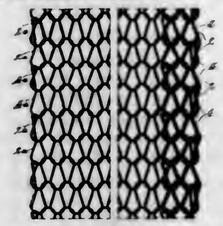


1. In an automatic transmission the combination of a drive shaft, a driven shaft, planetary gearing drivingly connecting said shafts, a supporting spider for said gearing fast on said drive shaft, a reaction gear rotatably mounted concentrically with said drive shaft, said planetary gears journaled on said spider, eccentric weights axially attached to said planetary gears whereby said weights affect the rotation of said planetary gears, a one-way clutch concentrically fixed on said reaction gear, and arranged to prevent reverse rotation of said reaction gear.

2,077,557
KNITTED FABRIC AND METHOD OF MAKING THE SAME
Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application March 9, 1933, Serial No. 660,081
1 Claim. (Cl. 66—178)

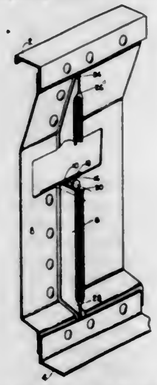
A flat knit full-fashioned hosiery blank the leg portion of which comprises two yarns knit in four course cycles, one of said yarns being knit across the entire width of the blank in the first two courses of each cycle and being knit only across one selvage in the second two courses of each cycle, and the other of said yarns being knit only across said one selvage in said first two

courses and being knit across the entire width of the blank in said second two courses, whereby



said one selvage is reinforced and the formation of floats due to yarn alternation is obviated.

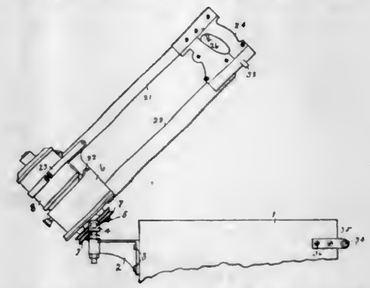
2,077,558
RAILWAY CAR WALL
Garth G. Gilpin, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware
Application June 17, 1935, Serial No. 26,968
3 Claims. (Cl. 105—409)



3. A wall for a railway car comprising an upper chord, a lower chord, wall sheets each connecting said chords, each of said sheets having the intermediate portion thereof adjacent the exterior plane of said upper chord, the upper parts of said sheets sloping inwardly for attachment to said upper chord, and a stake secured to said upper chord, said stake comprising a web projecting toward the interior of the car and provided with lateral stiffening flanges adjacent the inner margin of the stake, each of said stiffening flanges forming an obtuse angle with the web of the stake so as to provide free discharge of the lading.

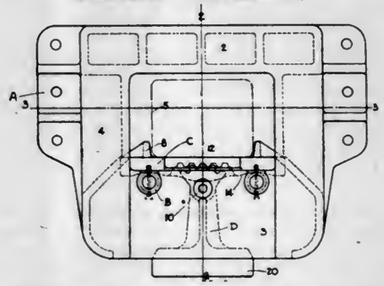
2,077,559
POWER OPERATED MEAT SAWING AND CUTTING MACHINE
Abraham J. Green and Hiram R. Harding, Baltimore, Md., assignors to The National Equipment Company, a corporation of Maryland
Application June 17, 1935, Serial No. 26,965
1 Claim. (Cl. 143—68)

In a machine of the character described, a block, a frame secured to the rear of said block and having a bearing in each end, a square rod pivotally mounted in said bearings and adapted to turn therein, a housing, grooved rollers mounted on the lower surface of said housing into which the opposite angles of the said square rod fit, a motor mounted on said housing and having its shaft projecting into said housing, a saw frame connected at its inner end to the said housing and motor, a disk operated by said shaft, a block within said housing and operated by said disk, a cross-head operated by said block, a saw blade reciprocally mounted in said saw



frame, a handle on the end of the saw frame, a switch mounted in said saw blade, wires connecting the switch with the motor, a trigger mounted on said handle for throwing the switch to start or stop the motor, and holding plates adjustably connected to the front of the first named block.

2,077,560
CAR COUPLER CENTERING DEVICE
Charles Harter, St. Louis, Mo.
Application July 25, 1936, Serial No. 92,648
5 Claims. (Cl. 213—21)

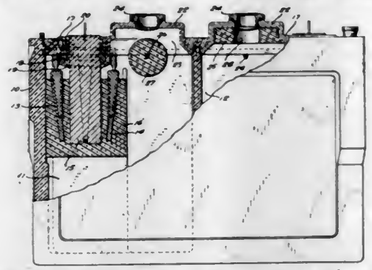


3. A centering device for a railway car coupler comprising a car part, a coupler carriage slidably supported by said car part to move laterally of the car and a pendulum pivotally mounted upon said car part to swing laterally of the car, said pendulum engaging said carriage so that when the coupler carriage is in the normal central position the center of gravity of the weight of the pendulum is below the pivot thereof and whereby when the coupler carriage moves laterally of the car the pendulum is swung out of balance and its tendency to return to normal position tends to return the carriage to a normal central position.

2,077,561
BATTERY CELL
George W. Heise, North Olmsted, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 31, 1933, Serial No. 663,697
12 Claims. (Cl. 136—112)

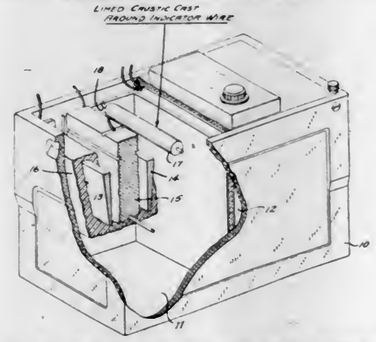
1. In an air-depolarized deferred-action cell having carbon and zinc electrodes; a cast of hydrated caustic soda around said electrodes below the normal solution level of said cell; a water

chamber above the normal solution level of said cell; and a cast of caustic soda in said chamber



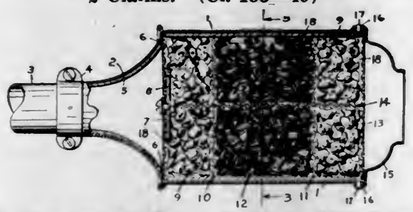
of higher concentration than that around said electrodes.

2,077,562
BATTERY CELL
George W. Heise, North Olmsted, and Erwin A. Schumacher, Lakewood, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application June 30, 1933, Serial No. 678,326
19 Claims. (Cl. 136—90)



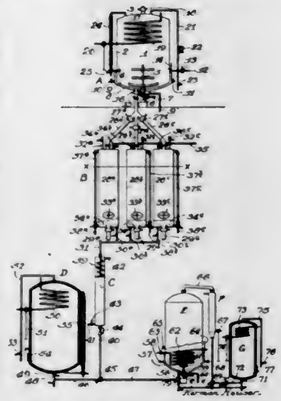
1. In an air-depolarized deferred action cell having carbon and zinc electrodes; a main cast of hydrated caustic soda around said electrodes below the normal solution level of said cell; and a separate auxiliary cast of said caustic soda above said main cast comprising from 2 per cent to 15 per cent lime.

2,077,563
EXHAUST FILTER AND PURIFIER
Thomas James Henry, Wilkes-Barre, Pa., assignor to National Exhaust Purifier Co. Inc.
Application May 28, 1935, Serial No. 23,809
2 Claims. (Cl. 183—49)



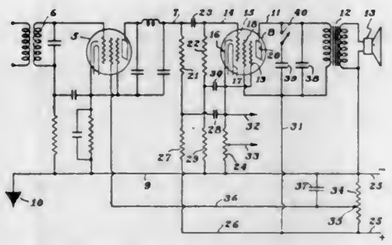
1. In a gas purifier, a housing adapted to be secured to an engine exhaust and having compounds therein for removing monoxide gas from the gases emitting from said engine exhaust, screens forming compartments spaced transversely across said housing and longitudinally with said housing to hold said compounds in fixed relation longitudinally and axially within said housing.

2,077,564
COFFEE EXTRACT AND METHOD OF AND APPARATUS FOR PRODUCING THE SAME
Herman Heuser, Evanston, Ill.
Application November 26, 1934, Serial No. 754,827
13 Claims. (Cl. 99—71)



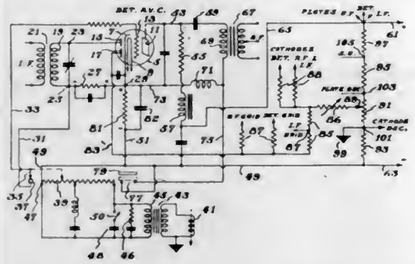
6. A method of producing coffee extract, which comprises heating and cooling a concentrated mixture of ground roasted coffee and water in the presence of a reducing agent in a hermetically sealed container, whereby loss of coffee aroma by oxidation and volatilization is avoided, carrying out the separation of the primary extract from the grounds in the presence of a reducing agent at a sufficiently low temperature in a closed container in communication with the atmosphere, whereby loss of coffee aroma by oxidation and volatilization is avoided, collecting the extract in a closed receiver, cooling the atmosphere in the receiver, whereby loss of coffee aroma by volatilization is avoided, and filling the extract into the trade packages.

2,077,565
AMPLIFIER
Poul F. G. Holst, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1933, Serial No. 691,597
10 Claims. (Cl. 179—171)



10. A multi-stage audio frequency amplifier embodying electric discharge devices coupled in cascade relation, characterized by the fact that an anode circuit filter condenser for a preceding stage is connected directly to the cathode of a succeeding stage amplifier device, in circuit with which cathode is provided a self-bias impedance common to the input and output circuits of said succeeding stage only.

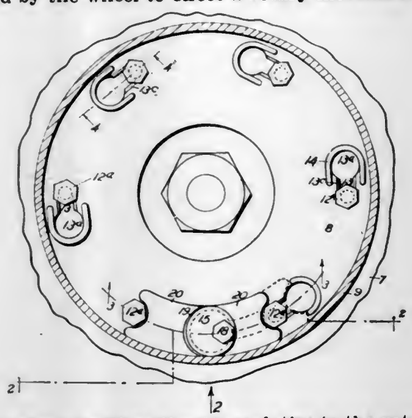
2,077,566
RADIO-PHONOGRAPH APPARATUS
Poul F. G. Holst, Audubon, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 30, 1934, Serial No. 755,474
14 Claims. (Cl. 179—100.11)



1. The combination with an electric discharge device having a cathode, an anode, a control grid and a pair of diode anodes associated with the cathode, of a signal rectifier circuit connected between one of said diode anodes and the cathode providing a signal variable biasing potential for said control grid, a potential drop producing impedance in circuit with the cathode separately from said rectifier circuit and having a positive terminal connected to the cathode, the potential drop being variable with biasing potential, means for impressing a fixed potential between the negative end of said potential drop producing means and the other diode anode normally lower and in opposition to the potential drop in said last named means, a signal input circuit connected with the negative end of said potential drop producing means, an anode output circuit tuning choke coil connected in circuit with the anode adjacent to the cathode, and selective switching means for simultaneously connecting said choke coil in parallel with said potential drop producing impedance and connecting said control grid with said signal input circuit, to the exclusion of said signal rectifier circuit.

2,077,567
DEMOUNTABLE WHEEL
Francis L. Orr, Denver, and Raymond R. Wattelet, Superior, Colo., assignors of one-third to Anthony E. Heichemer, Denver, Colo.
Application May 29, 1934, Serial No. 728,066
7 Claims. (Cl. 301—9)

5. A demountable wheel construction comprising in combination with a rotary element, a wheel having keyhole slots in a circle concentric with its axis, screw devices on the rotary element, passing through the slots and having heads normally engaging a face of the part of the wheel in which the slots are formed and adapted to pass freely through enlarged ends of the slots, when by rotation of the wheel said ends are brought into register with said heads, and a leverage element carried by the wheel to effect a rotary movement of

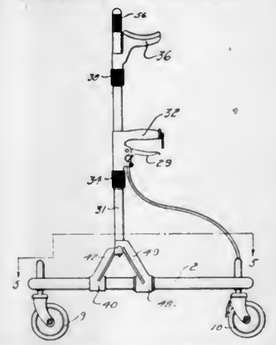


the wheel in either direction relative to the rotary element.

2,077,568
PROCESS FOR PURIFYING FERROUS METALS
Augustus B. Kinzel, Douglaston, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application April 3, 1935, Serial No. 14,440
2 Claims. (Cl. 75—60)

1. In a process of the Bessemer type for the decarburization of ferroalloys, the method which comprises blowing the bath of molten metal first with a blast of oxygen enriched air until a major portion of the oxidizable impurities has thereby been removed from the metal and subsequently with a blast of nitrogen-enriched air until removal of the oxidizable impurities to the desired amount has been completed.

2,077,569
WHEEL SUPPORTED CRUTCH
Theodore F. Kish, Portland, Oreg.
Application December 4, 1934, Serial No. 755,927
3 Claims. (Cl. 155—22)



1. In a device of the class described, the combination of a U-shaped trunnion supported tubular frame, a pair of sleeves disposed upon the opposite sides of the frame, arms upwardly extending from each of the sleeves and said arms adapted for cooperative engagement with said sleeves, a

pair of crutch members associated with and upwardly extending from the arms and attachable relative thereto, a knurled hand grip terminating the upper end of each of the crutch members, a rod depending from each of the knurled hand grips extending longitudinally of the crutch members and passing through the ends of the respective pairs of arms, each of said rods being threaded on its lower end and a nut secured to the lower end of each of the rods and cooperating means for tightening the crutch members to the arms when the knurled hand grip is turned in one direction and for loosening the same when it is turned in the opposite direction, a crutch saddle rotatably mounted upon each of the crutch members and adjustable longitudinally of each of the crutch members, a hand stirrup disposed upon each of the crutch members adjustable longitudinally thereof, means for locking the crutch saddle and the hand stirrup in adjusted placement upon each of the crutch members, and a brake actuating hand lever associated with each of the hand stirrups and means communicating the hand brake lever with a brake disposed at one of the trunnion supporting wheels.

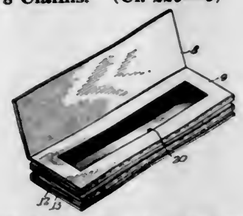
2,077,570

RECEPTACLE

Vincent A. Lamare, Chicago, Ill.

Application March 7, 1936, Serial No. 67,565

8 Claims. (Cl. 229—6)



8. As a new article of manufacture, a receptacle for mailing or shipping purposes comprising a body portion formed of a single piece of comparatively thick substantially rigid cardboard composed of a plurality of superposed laminations hinged at the sides thereof and formed by bending the cardboard piece into pleated or accordion formation, and having centrally disposed aligned cutouts therein forming a compartment with an open top and bottom, imperforate laminations serving as closures for the top and bottom of the compartment, and means for holding the imperforate and body portion laminations in superposed relation.

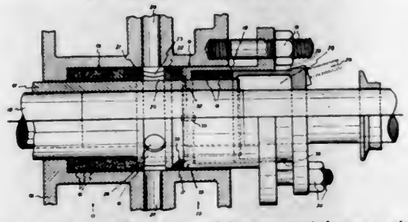
2,077,571

PUMP PACKING

Clarence C. Lenarth, Gardena, Calif.

Application December 16, 1935, Serial No. 54,549

3 Claims. (Cl. 286—19)



1. A rod packing assembly comprising: a stuffing box surrounding said rod; a first ring of compressible packing surrounding said rod at the inner end of said box; a lantern ring bearing on said first packing ring; channels in said box arranged for the passage of fluid through said ring; a rigid ring projected from the outer end of said lantern ring, adjacent said rod and spaced from said box, said projected ring forming a seat for a second ring of packing and preventing contact between said second packing ring and said rod; a second ring of compressible packing arranged in said seat; a hollow gland bearing on said packing ring; means for adjustably forcing said gland to compress said first and second packing rings; a third ring of compressible packing surrounding said rod within said hollow gland and bearing on said rod; an outer gland bearing on said third packing ring, and means for adjustably forcing said outer gland inwardly to compress said third packing ring.

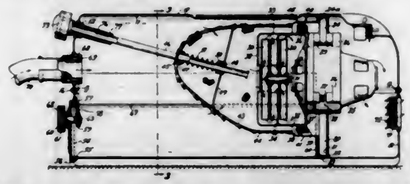
2,077,572

VACUUM CLEANER

Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application March 13, 1935, Serial No. 10,759

14 Claims. (Cl. 183—37)



3. In a vacuum cleaner, a casing formed with an air inlet and an air outlet, means for producing flow of air through said casing, a supporting member having an air pervious curved surface, the convex side of said member facing said inlet with respect to the direction of air flow, a dust separating member supported on the convex side of said member, the area of said dust separating member being substantially greater than the area of said supporting member, whereby said dust separating member is folded against said supporting member, and a removable receptacle located beneath said members for collecting dust separated from the air by said dust separating member.

6. In a vacuum cleaner, a casing formed with an inlet opening and an outlet opening, means for producing flow of air through said casing, a dust separating member in the path of air flow, a movable hollow member secured to said dust separating member and formed with an opening on one side of said dust separating member, and differential pressure responsive means carried by said hollow member and subjected to the pressure therein.

2,077,573

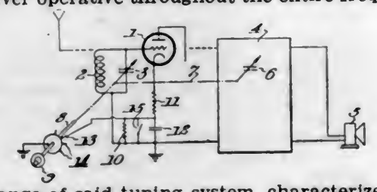
RADIO RECEIVER

William D. Loughlin, Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application December 11, 1933, Serial No. 701,917

18 Claims. (Cl. 250—20)

1. A radio receiver of the type including a tuning system, a switch system for rendering said receiver operative only when said tuning system is adjusted for the reception of signals of one of a plurality of predetermined frequencies, said switch system including indexing means providing a mechanical indication of those settings of the tuning system which correspond to adjustments to the pre-selected frequencies, and a manually controlled switch for rendering said receiver operative throughout the entire frequency range of said tuning system, characterized by the fact that means is provided to render said indexing means inoperative when said manually controlled switch is positioned for full-range operation of said receiver.



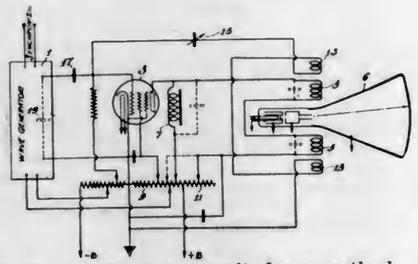
2,077,574

TELEVISION RECEIVER

Ioury G. Maloff, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application April 21, 1934, Serial No. 721,680

4 Claims. (Cl. 178—6)



1. In a deflecting circuit for a cathode-ray tube having deflecting coils, a vacuum tube having a cathode, a grid and an anode, said vacuum tube having an input circuit, including said grid and said cathode and having an output circuit including said anode and said cathode, said coils being coupled to said output circuit, means for impressing a voltage upon said input circuit having the proper wave form to produce a flow of saw-tooth current through said coils whereby transient electrical impulses are unavoidably produced on said grid due to the reaction of said output circuit, and means for applying a voltage from said output circuit to said grid in such phase and of such amplitude as to compensate for said transient impulses.

2,077,575

AZO DYES AND THEIR PRODUCTION

Mordecai Mendoza, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application April 23, 1934, Serial No. 722,043. In Great Britain April 24, 1933

17 Claims. (Cl. 260—76)

8. A new azo dye of the formula

$$Ar—N=N—Z—N=N—Ar'$$

where Ar and Ar' stand for one of a group consisting of radicals of the benzene and naphthalene series carrying, between them, at least one water-solubilizing substituent group, and Z stands for the radical of catechin.

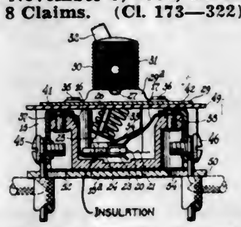
2,077,576

ELECTRIC SWITCH

George J. Meuer, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application November 9, 1934, Serial No. 752,202

8 Claims. (Cl. 173—322)



1. In an electric switch, in combination, a molded insulating base, a punched and stamped sheet metal terminal member having a flat portion thereof secured to said base in a plane offset downwardly from and parallel to the upper surface of the latter, said member having another portion thereof extending downwardly at right angles to said first mentioned portion and adapted to seat against one end of said base, a wiring terminal screw having threaded engagement with said downwardly extending portion, said base having a recess to accommodate the shank of said screw, a flat punched plate of insulation underlying said base and restrained against movement relatively thereto, said plate having an opening formed therein to provide for upward insertion of a bared wire end, whereby said wire end may be clamped by the head of said screw, and the wall of said opening providing a snubbing shoulder for said wire to insure against outward displacement of said downwardly extending portion in the event of a pull upon said wire in a direction outwardly from said end of the base.

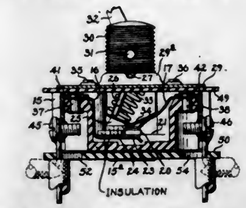
2,077,577

ELECTRIC SWITCH

George J. Meuer, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Original application November 9, 1934, Serial No. 752,202. Divided and this application April 3, 1936, Serial No. 72,581

9 Claims. (Cl. 200—67)



1. In an electric snap switch, in combination, a punched and stamped sheet metal top plate of substantially inverted channel-shape, said top plate having alined bearing openings formed in the opposite parallel sides thereof, said plate having a relatively narrow rectangular slot formed in the upper portion thereof, a flat punched sheet metal actuating lever insertable within said slot and restrained by the latter against movement laterally of said plate, said lever having a pivot opening formed therein, a pivot pin having a portion of relatively small diameter and a portion of relatively large diameter with a shoulder therebetween, said pin being

freely insertable endwise through said bearing openings and the small diameter portion thereof being adapted to freely penetrate the pivot opening in said lever, whereby said shoulder is engaged with one side of said lever, a ferrule slidable onto said pin portion of small diameter and adapted to provide a shoulder which is engaged with the other side of said lever, said portion of relatively large diameter being adapted to engage with a snug fit one of said bearing openings and said ferrule being adapted to engage with a snug fit the other of said bearing openings, and the end of said small diameter portion being upset to retain all of said parts in assembled relation.

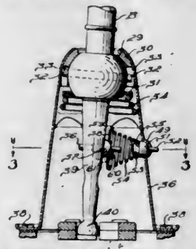
2,077,578

TRANSMISSION MECHANISM

Carl A. Neracher, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application December 6, 1934, Serial No. 756,194

10 Claims. (Cl. 74—473)



1. In a variable speed ratio transmission of the manual selection type, a pair of longitudinally movable shifter rails adapted to selectively control the speed ratios, said rails having spaces laterally aligned when positioned for a neutral setting of the transmission, a manually operable shift lever, means for pivotally mounting said lever with an operating end thereof positioned for selective engagement in said spaces whereby said rails may be moved longitudinally relative to each other, and yielding means acting to urge said shift lever laterally into one of said spaces when positioned for neutral, said yielding means being adapted to thrust the shift lever longitudinally in response to selective manual movements of said rails.

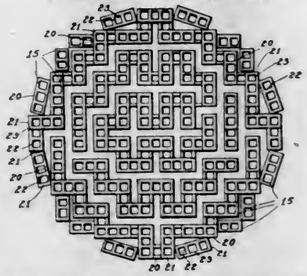
2,077,579

WATER GAS SET

George W. Parker, St. Louis, Mo.

Application July 27, 1934, Serial No. 737,220

6 Claims. (Cl. 48—80)



1. In a water gas set carburetor having an oil inlet, a checker work device comprising a tier of a plurality of spaced apart supports extending across said carburetor adjacent its bottom, a checker work of superimposed tiers of open-ended tubular elements in said carburetor above said supports, and a checker work of spaced apart solid members supporting said tubular elements and supported on top of said tier of supports.

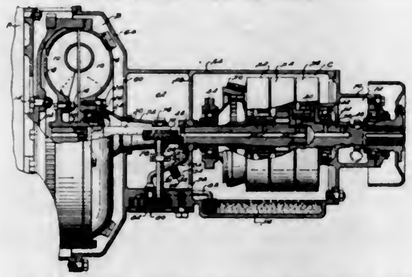
2,077,580

POWER TRANSMITTING DEVICE

Herbert F. Patterson, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application September 19, 1934, Serial No. 744,632

8 Claims. (Cl. 74—293)



1. In a power transmitting mechanism having driving and driven means, a speed ratio changing mechanism intermediate said driving and driven means for changing the speed ratio therebetween, a fluid coupling drivingly connecting said driving means and said speed ratio changing mechanism, said coupling having a chamber adapted to receive a fluid for providing said drive, a reservoir for said fluid, means including a pump for supplying a fluid under pressure from said reservoir to said speed ratio changing mechanism for lubricating the same and to said fluid coupling chamber, and means for controlling the pressure in said fluid supply means.

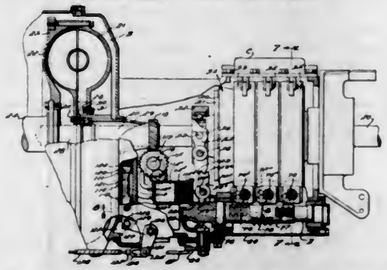
2,077,581

POWER TRANSMISSION

Herbert F. Patterson, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application July 5, 1935, Serial No. 29,935

12 Claims. (Cl. 74—262)



1. In a motor vehicle planetary transmission having a plurality of speed ratio controlling braking devices, fluid pressure operated means including a fluid pressure operated motor for selectively operating said devices, said fluid pressure operated means further including a common operating member adapted to transmit braking force from said motor selectively to said braking devices, manually operated means for controlling the selective operation of said fluid pressure operated means, means for supplying fluid under pressure to said motor, and means for supplementing the supply of fluid under pressure to said motor for opposing tendency of a drop in the pressure of said fluid during operation of said motor.

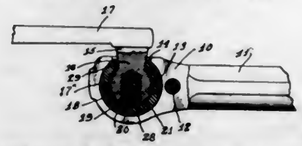
2,077,582

BEARING SLEEVE AND JOINT ASSEMBLY

Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York

Application October 18, 1934, Serial No. 748,843

6 Claims. (Cl. 287—90)



1. A bearing shell for a joint having a ball stud member therein comprising a pair of complemental segmental spherical metal caps of such size as to form when assembled a member of greater than hemispherical size, and means on said caps interlockable with each other for securing said caps together as a unit around the ball end of the stud.

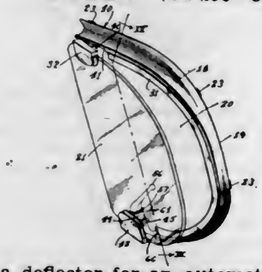
2,077,583

DEFLECTOR FOR AUTOMOTIVE VEHICLES

Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporaton of New York

Application May 18, 1935, Serial No. 22,224

12 Claims. (Cl. 296—84)



1. In a deflector for an automotive vehicle, a frame, a shield carried thereby, and a plurality of resilient clips carried by said frame for mounting the deflector on the vehicle, said clips being secured in spaced relation to a rear side of said frame each of said clips including a free resilient portion disposed to be snapped into retaining engagement with a part of the vehicle by the mere act of pressing that portion against said part.

2,077,584

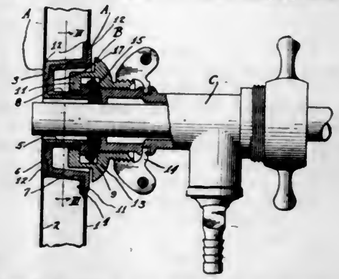
COMPOSITE BUSHING

Frank E. Rice, Detroit, Mich., assignor, by mesne assignments, to American Tap Bush Company, Detroit, Mich., a corporation of Delaware

Application May 29, 1933, Serial No. 673,499

9 Claims. (Cl. 16—2)

7. In equipment for a container, a member comprising an annular bottom and inner and outer side walls, a second member fitting said inner wall and provided around its upper end with oppositely related outwardly extending flanges forming notches between their ends and ribs extending longitudinally of said second member and disposed in diametrical relation and each remote from one of said notches, the end portion of the inner wall extending over into engagement with



said second member to secure it in position and interlocking means for preventing rotation of said second member relative to said first member.

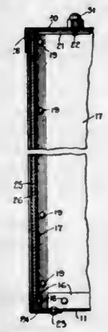
2,077,585

TRANSIT ADVERTISING DEVICE

Joseph Crawford Rivers, New York, N. Y.

Application September 5, 1936, Serial No. 99,506

1 Claim. (Cl. 40—129)



An improved advertising card display device comprising, a plate forming a multi-sided figure in plan view and having its peripheral edges folded up to form flanges, a wall member extending around the peripheral edge of the plate and having its lower edge secured to the flanges, said wall member having its upper edge folded inwardly to lie in a plane substantially parallel to the plane in which lies the plate, reinforcing members secured to the under face of the inturned portions of the wall member at the intersection of the adjacent sides of the multi-sided plate, an angular member having one element secured to the bottom plate and having its other element spaced apart from but parallel to the folded up edges of the bottom plate, channel members arranged to partially encircle the corners of the multi-sided figure and secured throughout its length to the angles formed by the wall member at the corners of the multi-sided figure and said channel member having its arms lying parallel to the wall member and in substantially the same plane as the element of the angle members secured to the bottom plate, whereby there is defined on each of the faces of the multi-sided figure an advertising card receiving receptacle open at the top, a closure for the open top of the receptacle formed by the wall member, and said closure having its peripheral edges folded downwardly to conform with the contour of the upper end of the structure formed by the wall member and channel members

to thereby close the open end of the card receiving receptacles, and means for removably securing said cover in position.

2,077,586
PRODUCTION OF ACETALDEHYDE FROM ACETYLENE

Walter Rosinsky, Oppau, and Paul Baumann, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application October 12, 1932, Serial No. 637,544. In Germany October 14, 1931

6 Claims. (Cl. 260—139)

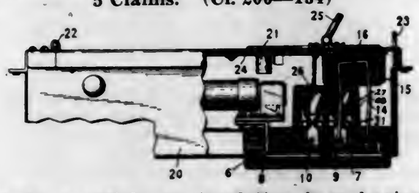
1. In the catalytic hydration of acetylene to acetaldehyde by passing a gaseous mixture comprising acetylene, while warming and at a pressure above atmospheric pressure in the explosion-avoiding range, through an aqueous solution of a hydration catalyst, the step which comprises carrying out the reaction with an aqueous catalyst solution essentially containing at least one water-soluble halide of a heavy metal, selected from the group consisting of zinc chloride, chromium chloride, ferric chloride and cadmium chloride capable of giving an acid reaction with water, the concentration of said salt solution being so low that its boiling point, at atmospheric pressure, is at least 4° C. below that of a solution saturated at 20° C. but so high that the said solution still remains a so-called ansolvo acid.

2,077,587
ELECTRIC SWITCH

Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application January 13, 1936, Serial No. 58,840

5 Claims. (Cl. 200—134)



1. In a switch, an insulating base having a recess with a tapered entrance, a spring jaw member mounted within said recess, a loosely carried blade mounted to be inserted into said entrance and into said jaw member and bimetallic spring reenforcing means biased between said jaw member and an adjacent wall of said recess.

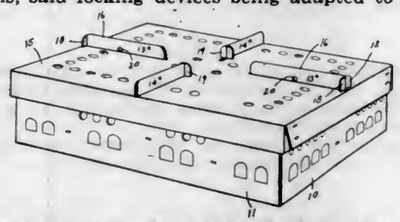
2,077,588
SHIPPING BOX FOR CHICKS

Norbert F. Schaefer, Indianapolis, Ind., assignor to Anderson Box Company, Indianapolis, Ind., a corporation

Application March 30, 1936, Serial No. 71,578

4 Claims. (Cl. 229—6)

1. A shipping box for chicks including end and side walls, longitudinally and laterally extending partitions mounted within said walls, each of said partitions being of double thickness and folded along their upper edges and provided with cut away portions intermediate their ends and centrally thereof, a removable lid for the box having slots formed therein through which the folded over portions of the partitions may extend, and double locking devices formed on opposite outer ends of the folded over portions of the longitudinally extending partitions and on the inner ends of the laterally extending partitions, said locking devices being adapted to engage the upper surface of the lid for locking the outer edges thereof against the corresponding walls of the box, and the central portion thereof against the corresponding cut away portions of the partitions.

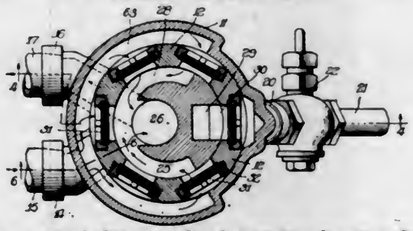


2,077,589
FILTERING APPARATUS

Jay J. Seaver and Selwyne P. Kinney, Chicago, William M. Kirk, Wheaton, and Charles W. Andrews, Chicago, Ill., assignors to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois

Application December 5, 1934, Serial No. 756,072

1 Claim. (Cl. 210—167)



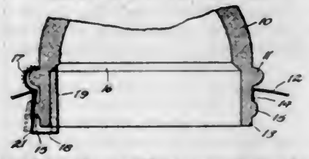
In a fluid filter, a fixed housing having fluid intake and outlet passages formed therein, a filter element having openings therein, said filter element being disposed between the fluid intake and outlet passages, porcelain filter members fitting in said openings in the filter element, the thickness of the members being less than the depth of the openings to form pockets to collect impurities removed from the fluid by the filter, the porcelain filter plate being provided with closely spaced small filter passages not exceeding one sixty-fourth of an inch in diameter and approximately their diameters apart, the thickness of the plate being materially greater than the diameter of the filter passages, and means for successively backwashing the filter elements to remove the impurities in the pockets.

2,077,590
PERCOLATOR TOP

Emiel P. Seghers, Chicago, Ill.

Application December 28, 1935, Serial No. 56,448

29 Claims. (Cl. 53—3)



1. In combination with a percolator top having a hollowed out portion, a bead projecting outwardly from the top, a shoulder projecting into the hollowed out portion, of a spring clip extending from the bead around the open end of the top to the shoulder and tensioned to exert a pressure outwardly for holding the top upon a lid.

2,077,591
MERCURATED SALICYL ARYL AMIDES

Frederick Lawrence Sharp and Marmaduke Barrowcliff, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application August 24, 1933, Serial No. 686,650. In Great Britain September 4, 1932

2 Claims. (Cl. 260—13)

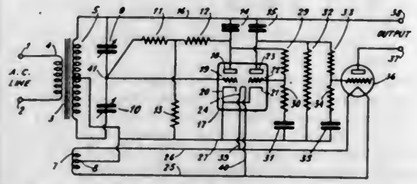
1. A mercurated aromatic amide of salicylic acid in which the aromatic group is of the benzene series.

2,077,592
CAPACITY BALANCE CIRCUIT

Francis H. Shepard, Jr., Rutherford, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 1, 1935, Serial No. 4,470

1 Claim. (Cl. 250—27)



In a capacity operated relay or power device, a source of alternating current energy, a capacity divider connected across the source, said divider comprising a pair of condensers, a thermionic amplifier including a space discharge device provided with an anode, a cathode and a grid electrode, means connecting the space path of said device to the source to thereby impress an alternating current potential upon the anode of the device, means for connecting the grid electrode of the space discharge device to a point of the capacity divider at which the ratio of the alternating current potential which is thereby impressed upon the grid and the alternating current potential impressed upon the anode is real, a path including resistance means connected between the anode and cathode of the discharge device, and means comprising a connection between the grid electrode and a point of said path for biasing the grid electrode, said condensers being proportioned with respect to each other, and the capacity divider as a whole so that the alternating current potential impressed upon the grid is such that the average direct current drawn by the anode has a value which is sufficient to cause the anode to assume a mean direct current potential relative to the cathode by virtue of the drop in the said resistance means, an output circuit for the space discharge device and a utilizing circuit connected to the output circuit.

2,077,593
DRIVE MECHANISM FOR SHAKER CONVEYERS

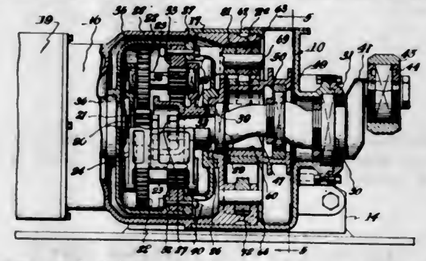
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application October 5, 1934, Serial No. 746,979

Renewed September 5, 1936

18 Claims. (Cl. 198—220)

1. In a shaker conveyer drive, a drive shaft, a driven shaft having a crank thereon, planetary drive gearing for rotating said crank with alternating acceleration and deceleration during each revolution thereof including a reaction member and means for shifting said reaction member including an oscillating pivotally mounted frame, an eccentric reciprocably mounted relative to said frame and driven in timed relation with said crank, a rocking member pivotally mounted intermediate its ends directly on said frame, means operatively connecting said reaction member to one end of said rocking member, and means affording a movable fulcrum for the other end of said rocking member.



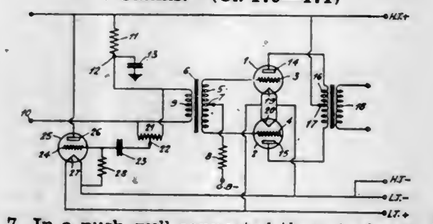
2,077,594
PUSH-PULL AUDIO AMPLIFIER CIRCUIT

Victor Owen Stokes, Walton-on-Naze, England, assignor to Radio Corporation of America, a corporation of Delaware

Application March 22, 1934, Serial No. 716,796

In Great Britain May 6, 1933

7 Claims. (Cl. 179—171)



7. In a push-pull connected thermionic amplifier of the type wherein the push-pull connected tubes operate alternately each thereof dealing with alternate half cycles of the incoming signal; a source of anode potential for the tubes of the amplifier; an auxiliary load device and a circuit including said auxiliary load device connected across said source of anode potential means for controlling the impedance of said auxiliary load device in dependence upon the input signals to said push-pull connected amplifier in such a manner that the total load provided by the push-pull amplifier and said circuit including the auxiliary load remains substantially constant.

2,077,595
EDIBLE PRODUCT AND PACKAGE THEREFOR

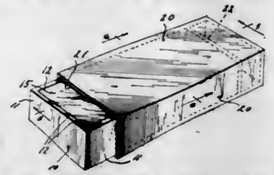
Saul Robert Swiss, Ottawa Hills, Ohio

Application February 26, 1934, Serial No. 712,974

10 Claims. (Cl. 99—180)

7. In combination a substantially rigid edible tray, a moisture-proof lining for said tray, a quantity of ice cream filling said tray and forming a unit with the tray, a substantially rigid open-ended shell in which said filled tray is telescopically fitted, a moisture-proof lining for the interior of said shell, a partition mounted in said shell for movement longitudinally thereof, said

partition being flush with one end of said shell and engaging the adjacent end of the filled tray and the other end of the filled tray being flush

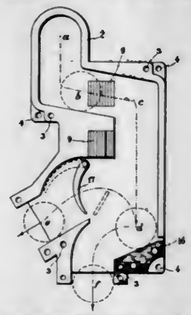


with the other end of the shell, and a moisture-proof wrapper for said shell and the filled tray and partition enclosed therein.

2,077,596

APPARATUS FOR TESTING COINS

Daniel Troy, Montgomery, Ala.
Application June 1, 1936, Serial No. 82,898
2 Claims. (Cl. 194—100)



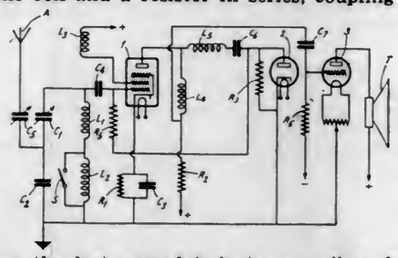
1. In apparatus of the class described, a runway for checks arranged to govern mechanically the velocity of checks introduced therein; an electromagnet arranged to produce across said runway a magnetic field strong enough to arrest in said runway checks having certain characteristics of conductivity for eddy currents induced by said field and not strong enough so to arrest other checks; means arranged to bring checks which have passed through said field to a momentary stop; an anvil; means arranged to cause checks after resumption of motion following said stop to strike said anvil in a manner common to all such checks; outlets arranged to receive checks rebounding from said anvil in accordance with the trajectories of such checks; a detent of certain inertia arranged to block one of said outlets against all checks except those having a certain resilience and mass; and another detent controlled by said electromagnet and arranged to block said last named outlet against all checks when said field is deenergized, substantially as set forth.

2,077,597

RECEIVING CIRCUITS

Willem Daniel van Gogh, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application November 2, 1935, Serial No. 47,960
In the Netherlands December 11, 1934
1 Claim. (Cl. 250—20)

In a circuit arrangement for receiving modulated high frequency electric oscillations in which use is made of a reactively coupled discharge tube serving both for amplifying the modulated high frequency energy and the low frequency oscillations obtained after detection, a pentode valve, an input circuit for the pentode valve connected between the signal grid and the cathode thereof, said input circuit being tunable to the frequency of the desired modulated high frequency oscillations, a source of signal energy coupled to said input circuit, said tunable circuit including an inductance coil, a screen grid circuit for said pentode valve, said last named circuit including an inductance coil, said two inductance coils being coupled for producing regeneration, a diode rectifier tube, a circuit, including an inductance and a coupling condenser in series, connected between the anode of the pentode valve and the anode of the diode rectifier tube, an anode circuit for the pentode valve including a choke coil and a resistor in series, coupling be-

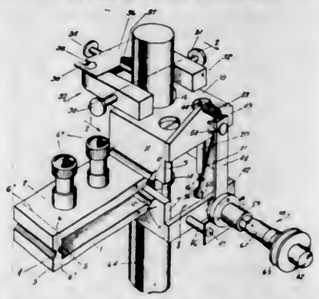


tween the last named inductance coil and the choke coil, a resistor connected between the anode and the cathode of the diode rectifier tube, means including a resistor connecting the anode of the diode rectifier tube to the signal grid of the pentode valve whereby rectified energy derived from the output of the diode rectifier tube is impressed upon the input of the pentode valve, an audio frequency amplifier circuit, an input terminal therefor, a connection including a coupling condenser between the input terminal and the end of the choke coil remote from the anode of the pentode valve for feeding audio frequency energy amplified by the pentode valve to the input of the audio frequency amplifier tube, and a utilizing circuit connected to the output of the audio frequency amplifier.

2,077,598

EXTENSOMETER

Gerd S. von Heydekampf, Chester, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware
Application January 14, 1933, Serial No. 651,790
7 Claims. (Cl. 33—147)

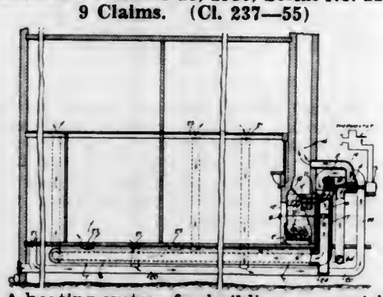


1. An extensometer comprising a main frame, means associated with said frame normally in fixed relation thereto but separable therefrom upon failure of the specimen, yieldable strain follow-up means for normally maintaining said frame and separable means into contact with each other when the extensometer is attached to a specimen, normally inactive means operative upon failure of a specimen to limit movement of said frame, and strain responsive means operatively associated with said frame.

2,077,599

HEATING SYSTEM

Nathaniel B. Wales, New York, N. Y.
Application November 18, 1936, Serial No. 111,435
9 Claims. (Cl. 237—55)

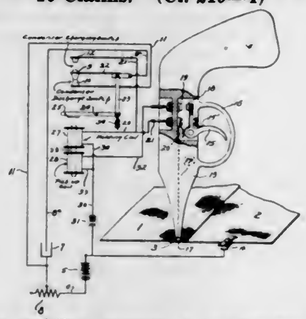


1. A heating system for buildings, comprising a fireplace, means for burning a fuel therein, a chimney connected therewith, a damper in said chimney connection, a by-pass duct entering said fireplace below said damper, forced induction means in said by-pass duct to induce the gases from said burning fuel in said fireplace into a heat-interchanger positioned below said fireplace and exterior thereto, and means to circulate a heating medium through said heat-interchanger and distribution means leading therefrom to distribute said medium into said building.

2,077,600

WELDING BY THE CHARGE OF A CONDENSER

Glenn W. Watson, Detroit, Mich.
Application September 3, 1936, Serial No. 99,271
10 Claims. (Cl. 219—4)



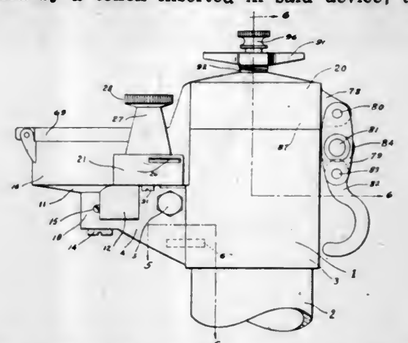
1. In a welding circuit, a condenser in said welding circuit and adapted to be charged by and during the flow of the welding current, and means for discharging said condenser.

2,077,601

CLOSURE FOR CONTAINERS

Ralph G. Whitlock, Los Angeles, and Lewis Sharp, Huntington Park, Calif., assignors to Federal Foundation Inc., Las Vegas, Nev., a corporation of Nevada
Application June 29, 1934, Serial No. 733,114
23 Claims. (Cl. 221—67)

1. A device of the character described, comprising: a closing cap for a fill pipe; a locking means constructed and arranged to prevent opening movement of said cap until released by a token; means whereby said locking means is released by a token inserted in said device; and

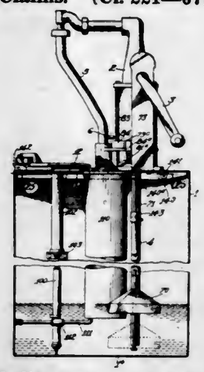


means constructed and arranged to retain the releasing token and discharge another token previously placed in said device upon full closing of the cap.

2,077,602

SAFETY REFILLABLE DISPENSER

Ralph G. Whitlock, Los Angeles, and Lewis Sharp, Huntington Park, Calif., assignors to Federal Foundation Inc., Las Vegas, Nev., a corporation of Nevada
Application October 8, 1934, Serial No. 747,356
33 Claims. (Cl. 221—67)



1. In a liquid dispensing apparatus, the combination with a tank, of means for dispensing liquid from said tank, refill control mechanism, a recording seal in said mechanism, means responsive to liquid level variations within said tank for controlling the operation of said dispensing means, means associated with said recording seal for controlling the operation of said refill control mechanism, and means actuated by said liquid level responsive means to cooperate with said recording seal associated control means to control the operation of the refill control mechanism.

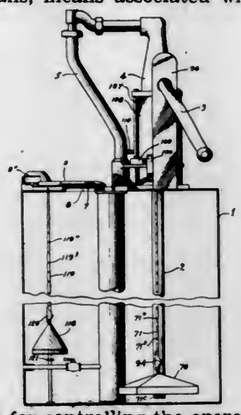
2,077,603

SAFETY REFILLABLE DISPENSER AND CONTROL THEREFOR

Ralph G. Whitlock, Los Angeles, and Lewis Sharp, Huntington Park, Calif., assignors to Federal Foundation Inc., Las Vegas, Nev., a corporation of Nevada
Application November 14, 1934, Serial No. 753,042
26 Claims. (Cl. 221—67)

1. In a liquid dispensing apparatus, the com-

bination with a tank, of means for dispensing liquid from said tank, refill control mechanism, a recording seal in said mechanism, means responsive to liquid level variations within said tank for controlling the operation of said dispensing means, means associated with said re-



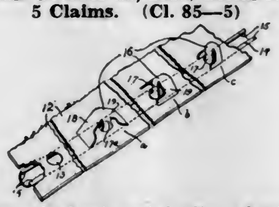
cording seal for controlling the operation of said refill control mechanism, and means actuated by a liquid level responsive means to cooperate with said recording seal associated control means to control the operation of the refill control mechanism.

2,077,604

ATTACHING CLIP FOR METAL MOLDINGS

William R. Wiley, Detroit, Mich.

Application October 28, 1935, Serial No. 47,015
5 Claims. (Cl. 85—5)



1. A formed sheet metal clip adapted to effect the attachment of a molding strip to the surface of a selectively apertured supporting panel, comprising a stem portion having a notched lower edge portion adapted to be passed through a hole in said supporting panel and between, and beyond the opposing edges of, the inwardly turned flanges of the juxtaposed molding strip and thereafter turned to position of engagement therewith, and an integral head portion having laterally extending branches which are adapted to be bent toward one another, the terminal portions of said branches thereby engaging the adjacent surface of the supporting panel, and in consequence causing an axial pull on the stem portion to draw the inturned flanges of the molding member into tight engagement with the adjacent surface of the supporting panel.

2,077,605

MECHANISM FOR POSITIONING ATTACHING CLIPS IN A MOLDING STRIP

William R. Wiley, Detroit, Mich.

Application February 10, 1936, Serial No. 63,283
9 Claims. (Cl. 29—84)

1. An apparatus for positioning attaching clips in a molding strip, having in combination with a fixed frame, a plurality of turret members rotatably positioned thereon in selected positions of alignment, each of said turret members being formed to receive a clip positioned in its top portion, a rack member operatively connected with each of said turret members and supported in position of limited lengthwise movement with



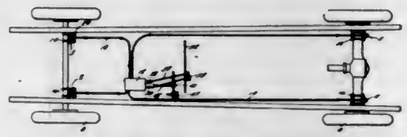
respect to said fixed frame, and means for regulatably actuating said rack member lengthwise of itself and of said fixed frame to effect the contemporaneous rotative movement of said turrets and consequently the positioning of the head portions of their contained clip members within a superposed molding strip.

2,077,606

VEHICULAR JACK

Arthur T. Wills and Robert S. Neeley, Prospect, Oreg.

Application March 13, 1936, Serial No. 68,726
Renewed February 6, 1937
2 Claims. (Cl. 60—54.5)



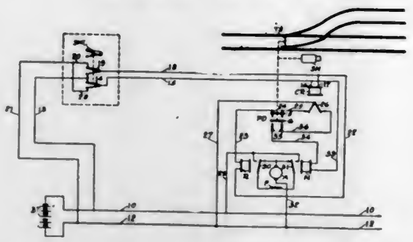
1. In a hydraulic jack assembly for motor vehicles comprising a plurality of jacks one mounted on the vehicle adjacent each wheel, each jack including a jack cylinder, a plunger mounted for reciprocation within each jack cylinder and having a part operating through an opening in the lower end of the jack cylinder and a foot on the free end of the plunger, spring means engaging the plunger and normally urging the same upwardly within the jack cylinder; and means for supplying the jack cylinder of a selected jack with liquid for moving the plunger downwardly in opposition to said spring, whereby to engage said foot with the ground to effect a lifting of a selected wheel of the automobile, said liquid supply means including a casting having an oil reservoir formed in the upper portion thereof, a valve casing in the lower portion thereof, and a pump cylinder between said reservoir and said valve casing, said casting being further provided with a port connecting the oil reservoir with said pump cylinder, and also with a plurality of ports, one for each of the jacks connecting the jack cylinder with the valve casing, conduits leading from one side of the valve casing in substantial alinement with the last named ports and connected with the respective jacks, a rotary valve mounted in the valve casing and provided with a plurality of ports for connecting a selected one of the last named ports with the conduit alined therewith for supplying fluid to a selected jack cylinder, a piston mounted for reciprocation within said pump cylinder, means for reciprocating said piston, means for rotating said valve, and check valves arranged in each of the last named ports.

2,077,607

TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

George H. Wion, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application January 26, 1932, Serial No. 588,891
13 Claims. (Cl. 246—3)



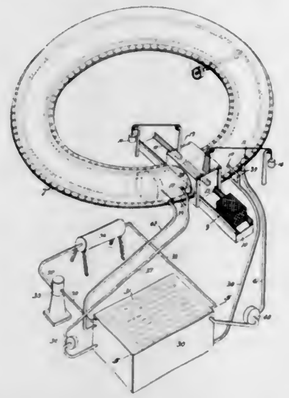
2. In a control system for railroad track switches, a track switch, a switch machine having normal and reverse operating circuits, normal and reverse contactors for closing said normal and reverse operating circuits, a control lever in a tower, two control wires and a bus wire extending from said tower to said track switch, means including said lever for controlling the polarity of potential applied to said wires, a control relay responsive to the polarity applied to said control wires, and means including said control relay for energizing said normal and reverse contactors through circuits including said bus wire and one or the other of said control wires.

2,077,608

METHOD OF AND MACHINE FOR FREEZING CERTAIN COMESTIBLES

Henry James Wood, Randwick, Sydney, New South Wales, Australia, assignor of one-third to Eric Gordon-Hume, Sydney, New South Wales, Australia

Application February 28, 1935, Serial No. 8,721
In Australia August 4, 1934
7 Claims. (Cl. 62—104)



1. Improved method of freezing material comprising the enclosing of same in a protective covering, passing it in contradirection through a flow of chilled fluid, removing the protective covering and then dipping the material in fresh water.

2,077,609

DEVICE FOR CONTROLLING WINDOWS OF THE SLIDING TYPE

William Young, Wishaw, Lanarkshire, Scotland

Application August 28, 1936, Serial No. 98,411
In Great Britain February 14, 1935
1 Claim. (Cl. 292—300)



A device for controlling the sliding sash of a window including in combination, projections on said window at each side thereof adapted to engage recesses in the frame at each side thereof, a rockable shaft mounted horizontally on the top member of said window, spring means controlling the rotation of said shaft, a cam fixed at each end of said shaft and located at each side of the window, and hand means for rocking said cams against said spring pressure to disengage said projections from said recesses, said cams being rocked back by said spring pressure to reengage the said projections in the said recesses.

2,077,610

VITREOUS PORCELAIN COMPOSITION AND PRODUCT

John I. Bahl, Canton, Ohio, assignor of one-half to Raymond W. Loichot, Canton, Ohio

No Drawing. Original application February 27, 1933, Serial No. 658,834. Divided and this application June 8, 1933, Serial No. 674,960
10 Claims. (Cl. 106—11)

1. A composition of matter adapted for use for making vitreous porcelain products, the composition of matter including the several materials as follows, and the percentage quantities of the several materials lying substantially within the following ranges:

	Per cent
H. P. 1 Canadian ball clay	6–23
Spar	15–20
Kaolin clay	7–8
China clay	17–32
Whiting	1–6
Flint	38–40

2,077,611

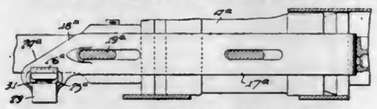
DRAFT RIGGING

Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application November 11, 1931, Serial No. 574,430
7 Claims. (Cl. 213—56)

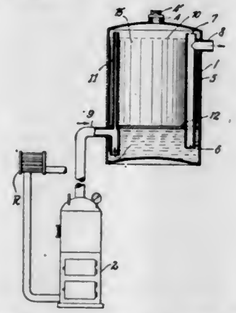
7. In railway draft rigging, in combination with a coupler, yoke-acting means normally connected to said coupler by a key, said means being extended diagonally forward and downward of the key connection while bodily diverging with re-

spect to each other, the lower forward portions of said means being slotted, a key received in said slotted portions and normally underlying the stem of the coupler for the support thereof, resilient means disposed laterally outward of said



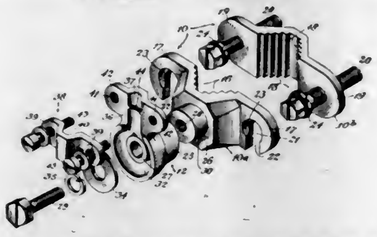
lower forward portions and acting between the same and the last-mentioned key, and lateral extensions on said yoke-acting means forming upper key abutments directly above said resilient means.

2,077,612
HOT WATER CONTAINER
Arnold Besag, Berlin-Adlershof, Germany
Application December 13, 1935, Serial No. 54,346
In Germany November 24, 1934
1 Claim. (Cl. 237—66)



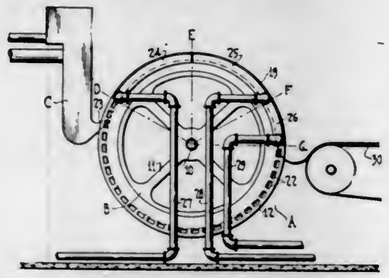
A hot water container for use with a hot water system comprising a metal vessel, an elbow conduit communicating with the lower portion of the interior of said container and with the hot water system, a vent tube communicating the highest point of the elbow with the upper portion of said container, an overflow pipe connected to the container below the top of said vent tube, and an open-ended tube communicating therewith, the upper end of said open-ended tube being above the overflow pipe and the lower end below the highest point of the elbow conduit.

2,077,613
GROUND FITTING
Carl G. Bondeson, Terryville, Conn., assignor to The Andrew Terry Company, Terryville, Conn., a corporation of Connecticut
Application December 31, 1934, Serial No. 759,900
8 Claims. (Cl. 247—1)



1. An electrical connection comprising a fixture having screw-operated clamping jaws with pipe-engaging yoke portions, for attachment to a grounding pipe; a second fixture; and means connecting the second fixture to the pipe-engaging yoke portion of one of said jaws for relative rotary movements, said second fixture having a lug extending laterally of the connecting means, provided with a channel to receive a bare wire, a covered wire, or a flexible armored conduit, and a pair of ears at each side of said channel, and a clamping piece adapted to overlie said lateral extension of said second fixture and provided with ears corresponding to the ears on said lateral extension, and screws extending through said ears on the clamping piece and on the lateral extension for drawing the clamping piece toward the lateral extension to clamp a bare or covered grounding wire, or flexible armored conduit for the grounding wire to the second fixture.

2,077,614
PAPER MAKING MACHINE
William Boyd Campbell, Montreal, Quebec, Canada, assignor to Harry John Rowley, Quebec City, Quebec, Canada
Application November 21, 1935, Serial No. 50,975
1 Claim. (Cl. 92—43)

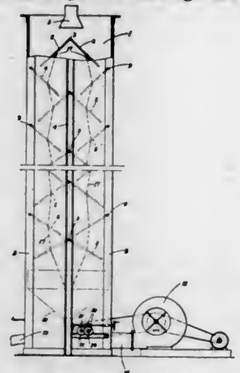


A paper web forming apparatus comprising a rotatable drum, the central portion of the drum's periphery including a foraminous covering adapted to have pulp suspension placed thereon, shallow compartments adjacent to one another and immediately underlying the foraminous covering, terminal chambers disposed along the drum surface at the edge of said drum and communicating with the compartments disposed below the foraminous covering, the peripheral wall of each terminal chamber being radially further from the centre of the drum than the foraminous covering, at least one suction header positioned at an end of the drum and communicating with the terminal chambers, whereby upon the application of suction through said header the liquid constituent of the deposited pulp suspension may be withdrawn therefrom through said compartments, chambers and suction headers.

2,077,615
DRIER
George C. Chapman, Modesto, Calif.
Application June 19, 1936, Serial No. 36,102
12 Claims. (Cl. 34—37)

1. A drier comprising comprising a vertical casing, means to blow air longitudinally through the casing, a plurality of vertically spaced screens in the casing disposed in transversely staggered relation and adapted to successively discharge onto each other from the topmost one down, pivot mounting means for the screens at their opposite ends in alternating order, means applied to the screens to turn them on their pivots to set them at different selected slopes, and means formed in

part with said last named means to oscillate the screens about their pivots through an arc of con-



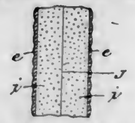
stant length irrespective of the adjusted position of the same.

2,077,616
METHOD OF COVERING A SURFACE
Hill Cocke, Harlingen, and Guenther Weiske, Mission, Tex.
Application March 14, 1936, Serial No. 68,936
3 Claims. (Cl. 61—7)



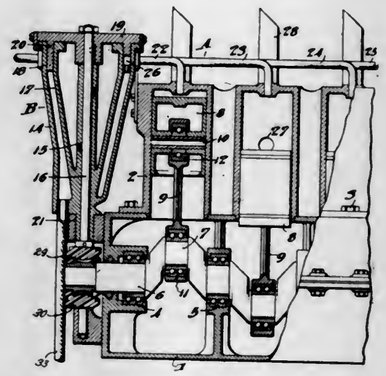
2. An improved method of laying a covering over a surface, which comprises laying over the surface a length of wire mesh fabric, pulling the fabric longitudinally to locate it in a desired relation with the surface to be covered, then placing a brick within each mesh and upon the surface, maintaining the wire fabric strands between the bricks spaced from the surface a distance less than the thickness of the brick, and finally while maintaining the fabric so spaced and clear of contact with the surface, filling in the longitudinal and transverse areas between the bricks with a bonding material.

2,077,617
MANUFACTURE OF RUBBER PRODUCTS
Pieter J. S. Cramer, Chesieres Lur Ollon, Switzerland, assignor to Septa, S. A., Luxembourg, Luxembourg, a "Société anonyme holding" under the laws of Luxembourg
Application April 14, 1933, Serial No. 666,190
In Great Britain April 27, 1932
4 Claims. (Cl. 154—2)



4. The process of manufacturing a soft rubber product which comprises coating a composition comprising liquid rubber latex upon a substantially non-porous surface, said composition being of a character that when it is dried it will yield a soft rubber mass, drying said coating to form a sheet of soft rubber, applying upon said sheet of soft rubber a layer of a mixture comprising liquid rubber latex and filler, the said sheet being removed from the said surface at some stage after the formation of said soft rubber sheet, drying the said mixture to form a composite body and thereafter joining two of such composite bodies together with the said dried layer formed of the composition including rubber latex and filler abutting against each other face to face.

2,077,618
FLUID PRESSURE ENGINE
Palmer H. Crary, Coconut Grove, Fla., assignor of ten per cent to Robert A. Wright, Rye, N. Y., and one-third to Margaret E. Crary, Hialeah, Fla.
Application December 3, 1932, Serial No. 645,619
3 Claims. (Cl. 121—122)

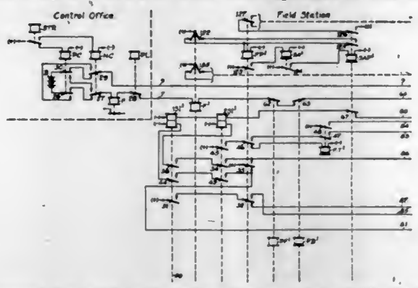


1. A fluid power unit comprising, with a multiple cylinder air engine structure, a distributing case adjustably mounted, a distributor rotor fitted to said case and connected to be rotated by operation of the air engine, flexible air conducting connections from spaced points around said distributor case to each of said cylinders, a compressed air supply connection to said distributor case, said rotor having a delivery port to deliver compressed air serially to said air conducting connections as the rotor is rotated, and manually actuatable means to move said distributor case to adjust the instant of supply of air to the cylinders of the air engine to advance and retard the instant of introduction of air relative to movement of the pistons of the engine.

2,077,619
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Darrol F. De Long and Frederick W. Brixner, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application August 30, 1933, Serial No. 687,477
15 Claims. (Cl. 246—3)

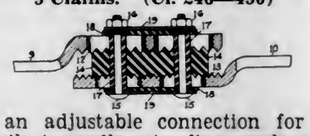
1. In a centralized traffic controlling system for railroads, a control office and a plurality of field stations, a line circuit connecting said office with said stations, means in the control office for applying time spaced impulses of current to said line circuit, code selecting means at each station operable to selectively change or leave unchanged the length of said impulses and the time spaces between said impulses, and means at each of said stations responsive to the code formed by said

impulses and said time spaces on said line circuit only when such code corresponds to the code



formed by said code selecting means at that station.

2,077,620
ADJUSTABLE CONNECTING MEANS
Oscar H. Dicke, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application August 29, 1934, Serial No. 741,952
5 Claims. (Cl. 246—450)



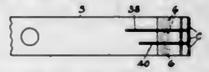
1. In an adjustable connection for railway switch rails, inwardly extending overlapping rods connected to the rails, a connecting block between the overlapping portions of the rods, a first series of transverse interfitting teeth connecting one rod to one side of the connecting block, a second series of transverse interfitting teeth connecting the other rod to the other side of the connecting block, the first series of teeth being differently spaced than the second series of teeth, and means for clamping the rods in various positions on opposite sides of the connecting block.

2,077,621
CHILD'S CONVERTIBLE VEHICLE
Creed C. Elliotte, Richmond, Va.
Application February 8, 1935, Serial No. 5,637
11 Claims. (Cl. 208—113)



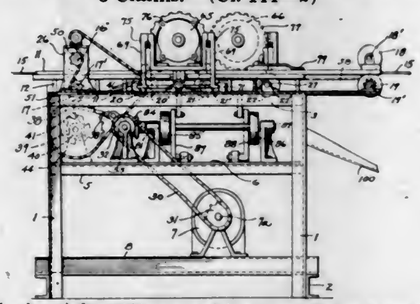
1. A child's convertible vehicle including a front wheel and a rear wheel, foot propelling means in connection with the front wheel, a front wheel supporting upright having a handle bar at its upper end and having vertically spaced rearwardly projecting portions, a main frame having at its upper forward end an angularly disposed bearing plate, said main frame being abruptly inclined downwardly and rearwardly and having at its lower rear end a fork supporting the rear wheel, a brace member secured at its rear end to the lower rear portion of the main frame and having its forward end projecting into alinement with the bearing member of the main frame and spaced below the latter, a pivot bolt extending through the rearwardly projecting portions of the front wheel upright and through the bearing plate of the main frame and the forward end of the said brace, and a support adjustable in connection with the main frame for forming a seat when positioned at the upper portion of said frame and for forming a foot rest when positioned at the lower portion of the frame.

2,077,622
ELECTRICAL CONTACT
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 24, 1935, Serial No. 23,271
9 Claims. (Cl. 200—52)



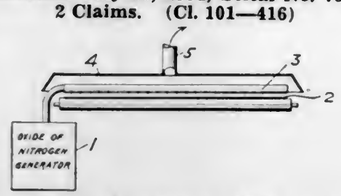
1. In a circuit controlling device, a contact actuating means, a spring strip operated by the contact actuating means, and contacts on unlike length trifurcations of the spring strip.

2,077,623
VENEER PATCH CUTTING MACHINE
John Gragg, Olympia, Wash.
Application January 14, 1935, Serial No. 1,613
3 Claims. (Cl. 144—2)



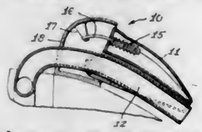
1. A patch cutting machine comprising a guideway, means for feeding a strip of veneer along the guideway, a motor support at each side of the guideway, a motor base pivoted in each support, an electric motor fixed on each base and having its shaft extended over the strip; the axis about which each motor pivots being perpendicular to and intersecting the axial line of its shaft and permitting the extended end of the shaft to be swung directly toward and from the strip, a spherically cupped disk saw fixed on each motor shaft; said saws being oppositely faced and each being cupped about the point of intersection of the axial line of the motor shaft which mounts it and the pivoting axis of the motor, means for intermittently actuating the feeding means to advance the strip definite distances, means operating in timing therewith to oscillate the motors to cause their saws to cut into the strip while at rest, thereby incident to advancement of the strip to form arcuate cuts which, by reason of advancement of the strip, will intersect to define and sever patch pieces from the strip, guides for the motor supports, and means for adjusting the supports therein toward and from the guideway and for fixing them at set positions.

2,077,624
METHOD OF OPPOSING OFFSET IN PRINTING
Allen L. Grammer, Meadowbrook, and William Watson Allen, Aldan, Pa., assignors to The Curtis Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 20, 1934, Serial No. 736,204
2 Claims. (Cl. 101—416)



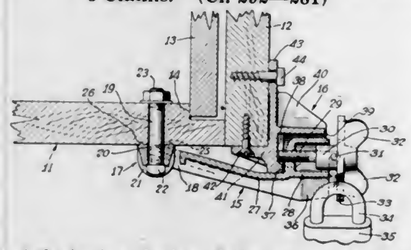
1. A method of opposing offset in printing which comprises flowing a stream consisting of air and nitrogen oxide in substantial concentration through a confined space and simultaneously passing a newly printed sheet or web through said space.

2,077,625
HEAT EXCHANGE APPARATUS
Darragh Loring Higgins, Dedham, Mass., assignor to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass.
Application May 23, 1935, Serial No. 22,947
5 Claims. (Cl. 257—2)



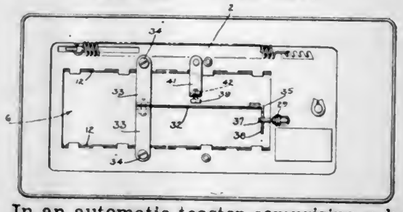
1. Heat exchange apparatus for heating a liquid by the exhaust gases from an internal combustion engine, comprising in combination, a tube conveying exhaust gases from said engine, a member adapted to contain a liquid to be heated, mounting means for pivotally supporting said member alongside said tube, a thermostat, and means controlled by said thermostat for rotating said member around said mounting means towards and from said tube.

2,077,626
DOOR FASTENER
Samuel P. Hull, Yonkers, N. Y., assignor to Railroad Accessories Corporation, New York, N. Y., a corporation of New York
Application February 20, 1935, Serial No. 7,323
5 Claims. (Cl. 292—281)



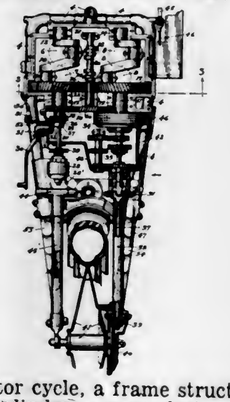
1. A fastening device of the nature of a hasp-lock for securing a swinging door to its frame in closed position, said device comprising a hasp-element including a hasp member and a pivot-member by which said hasp element may be mounted upon said door and cooperating to maintain said hasp member in a path confined to a single plane, a keeper element adapted to be secured to said door-frame in the path of movement of said hasp around its pivot; a latching and locking element including a set-screw carried by the free end of said hasp, and operable manually to cause snug engagement of said hasp with said keeper; said device being characterized by having said keeper and hasp respectively provided with barriers disposed around said screw to prevent tampering therewith, and disposed in alignment with said path of the hasp.

2,077,627
AUTOMATIC TOASTER
Murray Ireland, St. Paul, Minn., assignor, by mesne assignments, to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Continuation of application Serial No. 731,065, June 18, 1934. This application May 6, 1935, Serial No. 20,110
5 Claims. (Cl. 219—19)



1. In an automatic toaster comprising a heating element, means for supporting a slice of bread in position to be toasted by heat from the heating element, means for terminating the toasting operation and a variable speed clock mechanism for controlling the terminating means; a bimetal bar in the toaster having a free end operatively connected to the clock mechanism to regulate the speed thereof and stop means initially out of engagement with and in the path of travel of the bimetal bar upon rising temperature to reduce its control effect on the clock mechanism when the toaster is operating at substantially its maximum operating temperature to ensure uniform toasting of successive slices of bread placed in the toaster, irrespective of temperature changes therein.

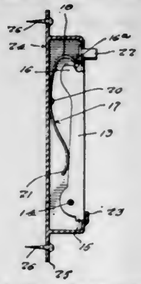
2,077,628
MOTORCYCLE
Le Grand L. Jordan, Los Angeles, Calif.
Application July 25, 1935, Serial No. 33,115
11 Claims. (Cl. 180—33)



2. In a motor cycle, a frame structure, an engine having cylinders arranged at opposite sides

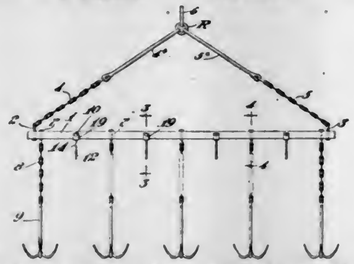
of the median line of said frame structure, twin crank shafts connected therewith at opposite sides of said median line and geared together to turn in opposite directions, driving connections from one of said crank shafts for driving said motor cycle, and a starter mechanism connected with the other of said crank shafts and operable to start said engine.

2,077,629
APPAREL HOOK
Herbert H. Lahr, Evansville, Ind.
Application February 10, 1936, Serial No. 63,247
2 Claims. (Cl. 248—294)



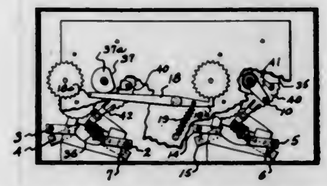
2. A device of the class described comprising essentially an upright casing open at its front, a hook pivotally connected adjacent to its lower end to the casing and arranged in upright position in the casing and having a head at its upper end, and an upright spring strip having an intermediate portion mounted in the casing back of the hook and also having at its upper end an outwardly curved portion equipped with a button projecting in front of the casing and also equipped with a keeper element, the latter to engage the hook head and normally retain the hook against outward movement, said spring strip further having an outwardly curved lower portion arranged in the casing back of the hook and adapted on release of the hook head to press the hook outwardly.

2,077,630
DRAG
William H. Lane, Framingham, Mass.
Application August 19, 1936, Serial No. 96,739
8 Claims. (Cl. 294—66)



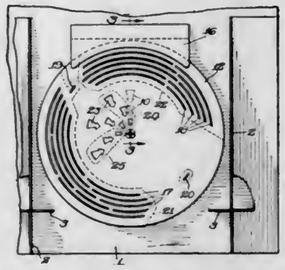
1. A drag of the class described comprising in combination a substantially rigid, elongate bar designed to lie in a substantially horizontal position while being dragged in a direction perpendicular to its length, and two series of grapples secured to the bar, the grapples of one series alternating with those of the other, means rigidly attaching the grapples of the first series to the bar, and flexible means connecting the grapples of the second series to the bar.

2,077,631
TIMING MECHANISM
Edward J. Lauterbur, Sidney, and Frank X. Lauterbur, deceased, late of Sidney, Ohio, by Wilhelmina S. Lauterbur, executrix, Sidney, Ohio
Application September 22, 1933, Serial No. 690,588
Renewed September 10, 1936
5 Claims. (Cl. 200—38)



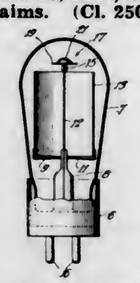
1. In a cyclical controlling mechanism, a plurality of time mechanisms arranged in sequence, and capable of being independently set for a predetermined cycle of operation, each of said time mechanisms having controlling means, means impinging on the mechanism of the succeeding time mechanism so as to prevent its starting, and means on the preceding time mechanism to remove said impinging means from the succeeding mechanism at the completion of the cycle of the preceding time mechanism.

2,077,632
CHANGEABLE EXHIBITOR
Harry V. Marsh, Chicago, Ill.
Application June 10, 1935, Serial No. 25,712
2 Claims. (Cl. 40—28)



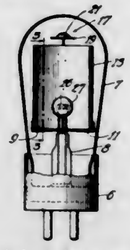
1. A changeable exhibitor comprising a master pattern means having a plurality of groups of openings formed therein, the openings of one group being located in planes different to those in which the openings of another group are located, and a continuously movable selector means co-operatively associated with said master pattern means, said selector means having a plurality of groups of openings formed therein, the openings of one of said groups in said selector means being arranged in planes different to those in which the openings in another group in said selector means are arranged, the openings in said selector means being adapted to be progressively registered with the correspondingly arranged openings of certain of said groups of said openings in said master pattern means and permitting the passage of light rays therethrough during continuous movement of the selector means until all of the registering openings in said master pattern means are in registration and visible and maintaining such registration and visibility for a predetermined period of time during the continuous movement of said selector means.

2,077,633
PHOTOELECTRIC TUBE
Archie J. McMaster and Charles E. Parson, Chicago, Ill., assignors to G-M Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application June 14, 1930, Serial No. 461,117
15 Claims. (Cl. 250—27.5)



1. A method of making a photoelectric tube which consists of electroplating a copper plate with silver and producing a rough silver surface, mounting the plate and an anode in an envelope, expelling gases from the envelope and elements, admitting oxygen into the envelope, oxidizing said silver surface, depositing metallic caesium on the oxidized surface and removing excess caesium from the tube.

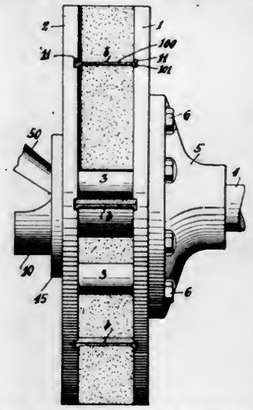
2,077,634
PHOTOELECTRIC TUBE
Archie J. McMaster, Chicago, Ill., assignor to G-M Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application June 14, 1930, Serial No. 461,120
7 Claims. (Cl. 136—89)



1. A photoelectric tube comprising a silver surface cathode, an insulating bead secured thereto, a conductor anchored in said bead and insulated from said cathode, an oxide coating on said cathode surface, said coating including an oxide of an alkali metal, an alkali metal deposit on said coating and a thin silver deposit coating said alkali metal and said bead and making contact with said conductor.

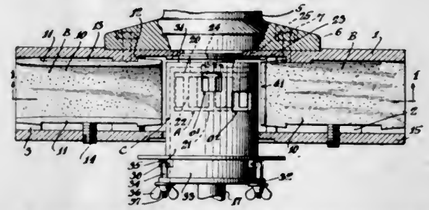
2,077,635
ABRASIVE THROWING WHEEL
Verne E. Minich, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application June 21, 1935, Serial No. 27,647
12 Claims. (Cl. 51—9)

1. An abrasive throwing wheel including in combination, spaced rotatably mounted side wall members, channel shaped throwing blades radially arranged between said side wall members and extending inwardly short of the axis of rotation of said wheel to define a central abrasive receiving space, a feed device for directing abrasive into the path of rotation of said blades, and spaced shouldered stud elements providing the sole



means for connecting said side wall members in fixed spaced relationship.

2,077,636
ABRASIVE THROWING MACHINE
Verne E. Minich, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Original application May 26, 1934, Serial No. 727,665. Divided and this application November 11, 1935, Serial No. 49,983
6 Claims. (Cl. 51—9)

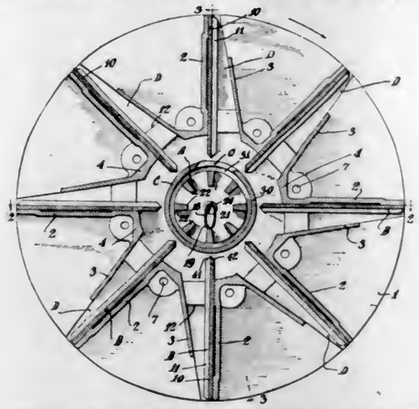


1. A machine for throwing abrasive at blasting velocities including, a tubular control member having a plurality of discharge openings diagonally offset with respect to one another, and throwing blades radially arranged around said member operative to throw the abrasive emitted from said openings.

2,077,637
ABRASIVE THROWING MACHINE
Verne E. Minich, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application May 26, 1934, Serial No. 727,665
Renewed January 25, 1937
12 Claims. (Cl. 51—9)

12. A wheel for throwing abrasive at blasting velocities comprising throwing blades extending from the periphery of a wheel substantially to the circumference of a normally stationary, centrally disposed, tubular control member having an abrasive discharge outlet in the tubular wall thereof, and movable abrasive ejecting means positioned interiorly of said tubular control member, the discharge outlet in said tubular control member being so shaped and arranged as to effect the gradual discharge of abrasive at a substantially uniform rate to the inner end of each throwing blade as the same travels a single

time through a predetermined limited arc of the circumference of said stationary control member, whereby each throwing blade is caused to gradually receive at its inner end each charge of



abrasive and to discharge from the periphery of the wheel a substantially uniform stream of substantially uniform volume over a predetermined area.

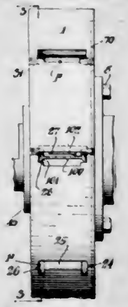
2,077,638

ABRASIVE MACHINE

Verne E. Minich, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware

Application October 29, 1934, Serial No. 749,259

18 Claims. (Cl. 51—9)



1. An abrasive throwing wheel including, a smooth continuous rim portion, conduits extending from said rim portion inwardly short of the axis of rotation of the wheel so as to define a central abrasive admitting chamber, abrasive passages extending radially outwardly from said chamber through said conduits and emerging through said rim, and means for feeding abrasive into said chamber.

2,077,639

PROCESS FOR HARDENING METALLIC SURFACES

Verne E. Minich, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware

No Drawing. Application November 12, 1934, Serial No. 752,712

3 Claims. (Cl. 148—4)

1. A process for surface hardening formable metallic objects comprising bringing the surface to be hardened into the zone of discharge of a high speed centrifugal throwing wheel and mechanically impelling from two to eight pounds of round steel shot per square inch of surface treated from the periphery of said wheel and against the surface being hardened at a velocity of approximately five thousand to fifteen thousand feet per minute.

2,077,640

PHENOLIC RESINS AND METHOD OF MAKING THE SAME

Frederick M. Murdock, Chicopee Falls, and Charles S. Webber, Springfield, Mass., assignors to The Fiberloid Corporation, Indian Orchard, Mass., a corporation of Massachusetts

No Drawing. Application July 31, 1934, Serial No. 737,767

2 Claims. (Cl. 260—4)

1. The method of producing phenol-aldehyde resins which consists in carrying on the initial reaction between a phenol and an aldehyde in the presence of an alkaline catalyst and sufficient lactic acid to neutralize only a portion thereof and after the initial reaction is completed adding a slight excess of lactic acid over the amount theoretically required to complete the neutralization of the catalyst.

2,077,641

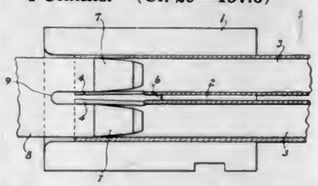
PROCESS FOR CONNECTING PIPES

Richard Niederstrasser, Mulheim-Ruhr, Germany, assignor to Schmidt'sche Heissdampf-Gesellschaft, m. b. H., Wilhelmshohe, Germany

Application October 6, 1936, Serial No. 104,162

In Germany October 15, 1935

4 Claims. (Cl. 29—157.6)



1. In the art of connecting relatively thin-walled pipes to each other the process comprising the steps of first slitting each of two pipes to be connected inwardly from its end, thereafter heating them to a suitable temperature, and, while holding the pipes in the relative position they are to occupy in the finished structure, bending the portions adjacent to each slit outwardly causing their edges to abut and to become welded to each other.

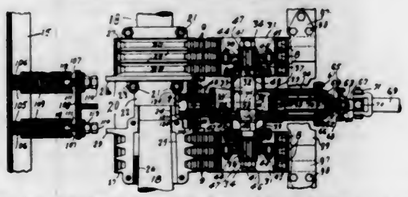
2,077,642

AXLE DRIVE

Gomert Powell, Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application February 9, 1934, Serial No. 710,399

25 Claims. (Cl. 105—102)



23. In combination with a car underframe and a truck having an axle, a driving unit mounted on the truck and adapted for longitudinal and transverse shifting movements in a horizontal plane, pressure exerting means between the truck and driving unit, a double belt drive connection between said driving unit and axle maintained in balanced driving relation therewith by the combined action of said pressure means and the shifting of said unit, a driven unit on the underframe, and a drive shaft directly connecting said driving and driven units.

2,077,643

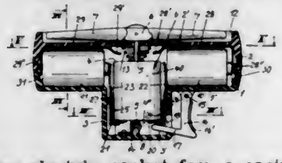
ELECTRIC POCKET FAN

Hugo Ruppe and Eduard Probst, Berlin, Germany, assignors to Ernst Gross, Berlin, Germany

Application July 16, 1935, Serial No. 31,668

In Germany July 28, 1934

12 Claims. (Cl. 230—259)



1. In an electric pocket fan, a casing, a cylindrical electric motor arranged in the casing, with its axis coinciding with the central axis of the casing, a propeller operatively connected to the motor and normally disposed in close relation to the outside of the casing, a battery for supplying the motor including cells arranged in the casing with their axes at right angles to the axis of the motor and means to extend the propeller to a position spaced from the casing.

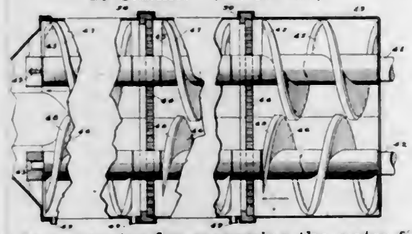
2,077,644

WORKING AND COMPRESSING APPARATUS

Jacob Schaub, Westfield, N. J., assignor to The Best Foods, Inc., New York, N. Y., a corporation of Delaware

Application July 9, 1932, Serial No. 621,651

10 Claims. (Cl. 31—37)



1. An apparatus for expressing the water from plastic material comprising a plurality of perforated plates within a substantially horizontal casing, a screw conveyor for advancing the material to and through each such plate, each of said conveyors being spaced from the preceding plate, and means for draining off liquid at a point beyond each such plate.

2,077,645

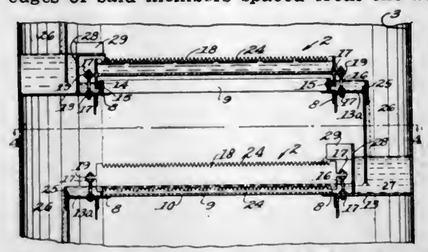
TRAY STRUCTURE FOR BUBBLE TOWERS

Clyde L. Smith and George W. Rollin, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application February 3, 1933, Serial No. 655,116

9 Claims. (Cl. 261—114)

1. A bubble tray structure for fractionating towers comprising a tray composed of a plurality of parallel channel members, said members having their side walls spaced to produce a plurality of open-ended vapor passages therebetween, and a plurality of bubble cap members arranged over said vapor passages with the lower edges of said members spaced from the bottoms of said channels and adapted to be submerged in liquid contained thereby, the upper portions of said members being formed to provide troughs for the reception of liquid and means separate from said vapor passages for transferring liquid from said tray.



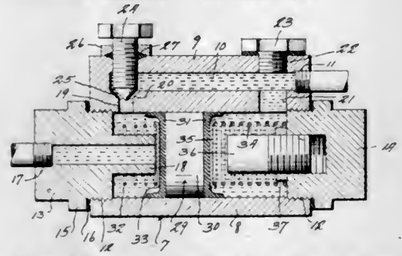
2,077,646

FLUID CONTROL FOR HYDRAULIC BRAKE SYSTEMS

Sheridan E. Snyder, Rochester, Pa.

Application March 31, 1936, Serial No. 71,893

6 Claims. (Cl. 303—84)



1. A fluid control unit of the character described, comprising a cylinder, a head threadably connected with the cylinder at one end and closing the same, said head having an inlet passage therethrough, a central extension upon the inner end of said head which projects into the cylinder, a second head detachably coupled with and closing the other end of the cylinder, a body carried by the second mentioned head upon the inner side thereof and adjustable relative to the head and longitudinally within the cylinder, a piston in the cylinder movable between said body and the extension of the first mentioned head, means forming a passageway longitudinally of the cylinder, said passageway being open to form an outlet at the end of the cylinder adjacent the second mentioned head and having laterally extending end passages leading into the cylinder, and valve means for closing the lateral passage which is at the end of the cylinder adjacent the first mentioned head.

2,077,647

FILLING AND CLOSING MACHINE

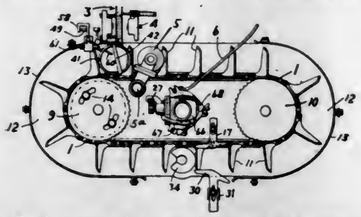
Francis J. Stokes and Charles J. Westin, Philadelphia, Pa., assignors to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 18, 1930, Serial No. 461,884

4 Claims. (Cl. 113—27)

1. In an automatic filling and closing machine, the combination of, a conveyor for moving a plu-

rality of containers, a magazine for containing a plurality of lids for said containers, a gravity chute for conveying individual ones of said lids from said magazine to a position above said conveyor to which position filled containers are con-



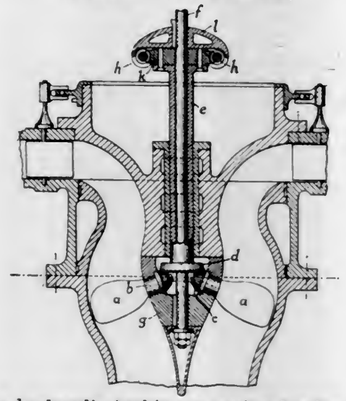
veyed, first means for passing said lids one-by-one from said magazine to said chute, mechanism for marking said lids while in said chute, and second means actuated by a container for feeding a lid from said chute onto said container.

2,077,648

WATER TURBINE

Thomas Thompson, Sydenham, London, England

Application July 25, 1935, Serial No. 33,133
In Great Britain July 28, 1934
1 Claim. (Cl. 253—148)



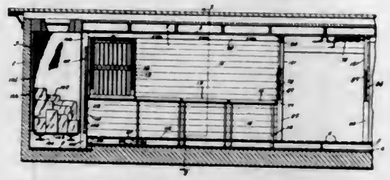
In a hydraulic turbine, a casing having an upper end wall and inlets directly below said end wall, said casing having an outlet at its lower end and a central internal bearing boss projecting downwardly from said upper end wall, said boss having a vertical cylindrical bearing opening, a vertical sleeve rotatably mounted in said bearing opening and extending to a point above said casing, the lower end of said sleeve being provided with a beveled gear at the lower end of said boss, a cup-shaped rotor hub enclosing said beveled gear and abutting said lower end of said boss, pitched rotor blades having trunnions rotatably mounted in openings in the side wall of said cup-shaped hub, said trunnions having beveled pinions within the cup of the hub and meshing with said beveled gear, a central vertical shaft passing through said sleeve and secured to the bottom portion of the cup-shaped hub, a worm wheel coaxial with said shaft and secured to the upper end of said sleeve, a head member secured to said shaft directly over said worm wheel, and a worm rotatably mounted on said head member and meshing with said worm wheel for rotating said shaft and sleeve relatively to vary the pitch of said rotor blades.

2,077,649

STOWING FACILITY FOR COMMODITIES IN RAILWAY AND OTHER VEHICLES, AND IN STORAGE WAREHOUSES

Edward A. Sweeley, Alexandria, Va., and Norman T. Anderson, Washington, D. C., assignors to Fruit Growers Express Company, a corporation of Delaware

Application June 3, 1935, Serial No. 24,754
31 Claims. (Cl. 105—372)



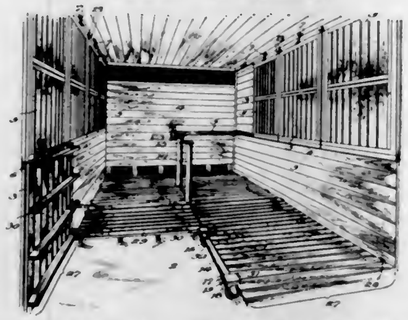
1. In a railway car construction, a side wall therefor presenting to the interior of the car upper and lower faces, the upper face being set back from the vertical plane of the lower face, a flanged rail providing a ledge along the upper edge of said lower face, the vertical flange of said rail being secured to said wall and extending downwardly at the rear of said lower face, folding deck racks pivotally secured to said ledge for movement from a horizontal load-supporting position normal to said wall to a folded position along and parallel to the upper of said side-wall faces, and means which cooperates with said ledge to support said racks in the horizontal load-supporting position.

2,077,650

STOWING FACILITY FOR COMMODITIES IN RAILWAY AND OTHER VEHICLES, AND IN STORAGE WAREHOUSES

Edward A. Sweeley, Alexandria, Va., and Norman T. Anderson, Washington, D. C., assignors to Fruit Growers Express Company, a corporation of Delaware

Application September 4, 1935, Serial No. 39,172
15 Claims. (Cl. 105—370)



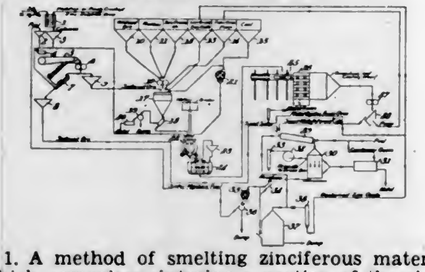
1. In a structure providing an auxiliary support for goods during shipment and/or storing, the combination comprisng a stowing compartment having a load supporting surface and side walls, folding rack sections secured to said side-walls and adapted to form an auxiliary load supporting surface within said compartment for supporting goods above the level of said first mentioned supporting surface, and supporting posts for said rack sections, said posts being mounted for swinging movement from a vertical rack supporting position to a horizontal inoperative position below said first-mentioned load supporting surface to leave the latter surface substantially unobstructed when the said posts are in their said horizontal inoperative position.

2,077,651

TREATMENT OF ZINCIFEROUS MATERIALS

George F. Weaton, Beaver, Pa., assignor to St. Joseph Lead Company, New York, N. Y., a corporation of New York

Application February 6, 1933, Serial No. 655,516
8 Claims. (Cl. 75—86)



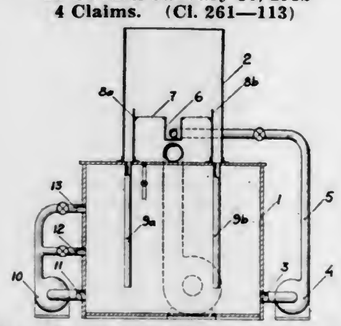
1. A method of smelting zinciferous material which comprises sintering a portion of the zinciferous material, disintegrating the sintered material into granules, mixing a further portion of the zinciferous material in comminuted condition with comminuted coal in amount sufficient to provide an excess of coke over that needed for the reduction of both portions of the zinciferous material, coking a mass of the mixture, disintegrating the coked mass into granules, combining the granules of sintered material with the granules of coked material, and subjecting a vertical column of the combined materials to a reducing temperature.

2,077,652

APPARATUS FOR THE FERMENTATION OF LIQUIDS

Karl Alexander Wessblad, Hans Elis Abraham Göth, and Johan Olof Naucler, Stockholm, Sweden, assignors to Industrikemiska Aktiebolaget, Stockholm, Sweden, a joint-stock company of Sweden

Application January 28, 1933, Serial No. 654,016
In Sweden January 30, 1932
4 Claims. (Cl. 261—113)



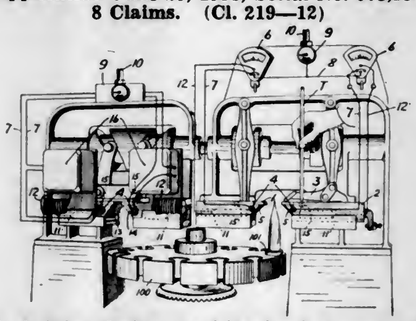
1. Apparatus for the fermentation of liquids comprising a vessel for containing the main body of fermenting liquid, an aerating device mounted above the level of the liquid in said vessel, means for supplying liquid from said vessel to said device, means in said device for forming the liquid supplied from said vessel into a relatively thin layer of a depth materially less than the normal depth of the main body of liquid in said vessel, means for supplying an oxygen-containing gas to said device under pressure, means for dividing the supplied gas and directing it into and through said layer in a plurality of relatively fine streams for aerating said liquid, means for returning the aerated liquid from said device to said vessel by gravity, and means for leading the gas passing through the liquid layer off from said device independently of said liquid.

2,077,653

TUBE CLOSING MACHINE WITH HEATED JAWS

Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 29, 1933, Serial No. 678,186
8 Claims. (Cl. 219—12)



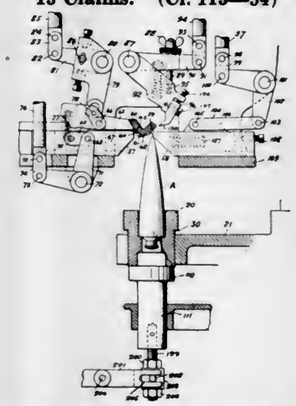
2. A tube closing machine having means for closing and folding collapsible tubes, second means for crimping the folds in said tubes, electric heating means in said first means and in said second means, and control means for said electric heating means having thermal responsive elements in said first means and in said second means.

2,077,654

TUBE CLOSING MACHINE

Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

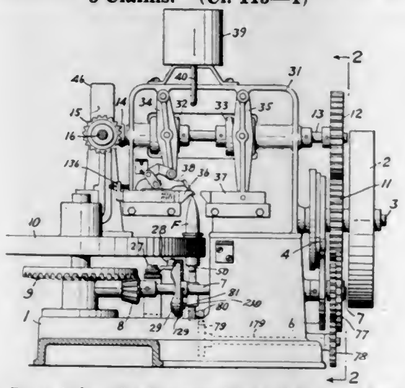
Application May 4, 1934, Serial No. 723,924
13 Claims. (Cl. 113—54)



1. In a collapsible tube machine, means for conveying a plurality of tubes, closing jaws located adjacent said means to receive between said jaws an end of each of said tubes in succession, means for moving said jaws to flatten and close said end of the tube between said jaws, and means

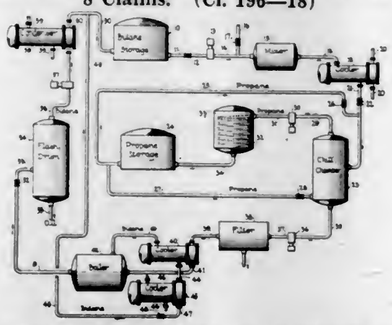
synchronized with said last-mentioned means for lifting said tube during the flattening operation, said lifting being proportionate to the decrease in length of said tube due to said flattening and closing.

2,077,655
TUBE CLOSING AND SEALING MACHINE
Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 18, 1934, Serial No. 731,083
5 Claims. (Cl. 113—1)



1. In a tube-closing machine, the combination of, means for conveying a plurality of tubes to be closed, means for flattening and initially bending one end of each of said tubes, means for initially spraying coating into the bend in each of said tubes, means for continuing the bend in said tube until the folded end is adjacent to but slightly spaced from the remainder of said tube and for making a second bend in said tube, second means for spraying coating into said second bend, and means for completing said second bend by compressing the bent portion of said tube until said bent portion is adjacent to but slightly spaced from the remainder of said tube.

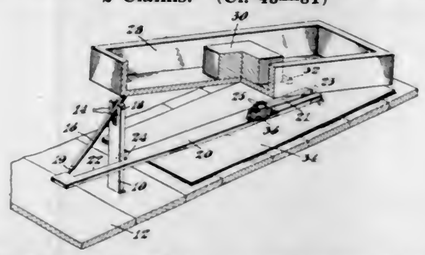
2,077,656
DEWAXING SYSTEM
Robert E. Wilson, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 31, 1931, Serial No. 560,346
8 Claims. (Cl. 196—18)



1. The method of dewaxing a viscous petroleum oil comprising, dissolving said oil at a temperature of about 140° F. in a light hydrocarbon diluent of higher boiling range than propane, cooling said mixture to a temperature of about 70°, adding liquefied propane to said cooled mixture whereby the propane becomes an effective part of the diluent, vaporizing said propane in situ to effect refrigeration of the diluent oil mixture and the crystallization of wax therefrom, compressing, condensing, and reintroducing said propane for effecting refrigeration and diluting in the chilling step, separating said wax from said chilled mixture, recovering the diluent from said oil and returning it to be mixed with more wax-bearing oil out of contact with said propane.

8. In a dewaxing system, a heated mixing chamber, a cooler, a chilling chamber, a refrigerant storage, means for introducing a suitable diluent and a wax-bearing oil into said mixing chamber, means for introducing said diluted oil through said cooler and thence into said chilling chamber, means for passing a refrigerant from said storage into said chilling chamber and through said diluted oil, means for withdrawing vapors from said chilling chamber, means for compressing and condensing said vapors, means for introducing said condensed vapors into said refrigerant storage, and means for withdrawing chilled and diluted wax-bearing oil from said chilling chamber.

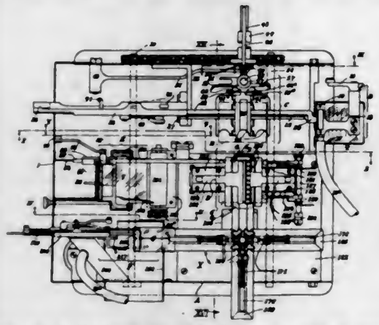
2,077,657
ANIMAL TRAP
Harold A. Zager, Boston, Mass.
Application June 25, 1935, Serial No. 28,297
2 Claims. (Cl. 43—81)



1. In an animal trap, in combination, a bait-carrying member longitudinally recessed to provide opposed transverse surfaces, means associated with said bait-carrying member to hold bait firmly in position, an upright member arranged to cooperate with one of said transverse surfaces, the transverse portion of the bait-carrying member which cooperates with the upright member being shaped to provide a substantial knife-edge contact therewith, and a latch pivoted between its ends and attached to and carried by said upright member, one end of said latch being pointed and arranged to engage the other transverse surface in sensitive contact, the other end of said latch being arranged to support the upper end of an inclined plate whereby the resulting pressure against said transverse surfaces of the bait-carrying member serves to hold the upright member, latch and bait-carrying member in assembled position until the bait-carrying member is disturbed by an animal.

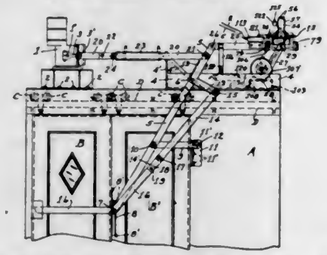
2,077,658
METHOD OF AND MACHINE FOR WRAPPING ENCLOSURES WITHIN ENVELOPES
Anthony Angelo Ballatore, Downend, near Bristol, England
Application May 17, 1935, Serial No. 22,120
In Great Britain May 23, 1934
27 Claims. (Cl. 93—3)

1. A machine for wrapping enclosures within envelopes comprising means for conveying an envelope blank to an envelope folding station, means for conveying an enclosure to said station, folding means for folding the blank around the enclosure to form an envelope with enclosure



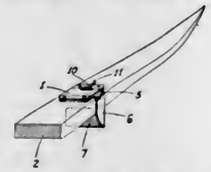
therein said folding means for the blank including a carrier at said station for the folded blank and enclosure and means for removing said carrier with the envelope and enclosure thereon to a delivery station.

2,077,659
DOOR OPERATING MECHANISM
James E. Bancroft, Richmond, Ind., assignor to The Richmond Fireproof Door Company, Richmond, Ind., a corporation of Indiana
Application February 10, 1936, Serial No. 63,153
8 Claims. (Cl. 187—52)



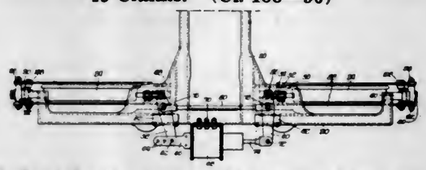
1. In a door operating mechanism, a clutch supported and carried by said operating mechanism and having pivotally positioned roller brackets, a roller rotatably secured to each of said roller brackets, and means for pivotally swinging said roller brackets and rollers toward each other simultaneously and into engaging relation with a fin member of a second door operating mechanism.

2,077,660
CLIMBING ATTACHMENT FOR SKIS
Jerome E. Barleau, Auburn, Calif.
Application February 12, 1935, Serial No. 6,161
9 Claims. (Cl. 208—184)



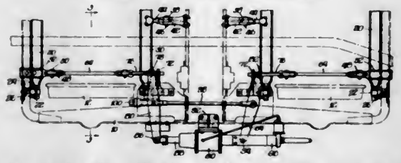
1. A climbing attachment for a ski comprising a cleat to extend transversely of and under the ski, and means to rigidly mount the cleat in operative position substantially at right angles to the bottom surface of the ski intermediate the ends of the ski and so that a clear space is left between the upper edge of the cleat and the bottom surface of the ski.

2,077,661
CLASP BRAKE
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 2, 1932, Serial No. 602,705
49 Claims. (Cl. 188—56)



1. In a brake rigging, the combination with a truck frame, a plurality of truck levers, a tie rod connecting certain of said truck levers, other levers having pivotal engagement with certain of said truck levers, a bar connecting the last mentioned levers intermediate the ends thereof, one of said last mentioned levers being pivotally secured to said truck frame, and actuating means secured to the other of said last mentioned levers and disposed between said last named levers.

2,077,662
CLASP BRAKE
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 8, 1933, Serial No. 674,811
Renewed July 29, 1936
33 Claims. (Cl. 188—56)

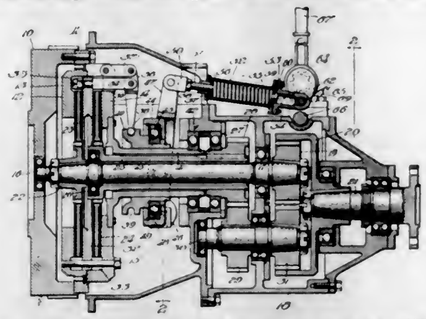


1. In a brake rigging of the beam type, the combination of a truck frame, spaced supporting wheels for said frame, said wheels having axles, live truck levers on one side of each axle, dead truck levers on the other side of each axle, brake beams connected to said levers, a pull rod connecting the live and dead levers associated with each wheel, live and dead cylinder levers in pivotal engagement with said live truck levers respectively, means on the truck frame intermediate the cylinder levers for actuating the cylinder levers and means for automatically adjusting one of said cylinder levers.

2,077,663
REVERSING MECHANISM
Percy H. Batten, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application April 23, 1936, Serial No. 76,048
11 Claims. (Cl. 74—330)

1. In a reversing mechanism, the combination of a pair of clutch devices, a pair of gears, concentric members connecting the devices and gears, respectively, a driven shaft gear meshing

with one of the gears, an intermediate gear connecting the other gear with the driven shaft



gear, and a member shiftable to engage either of the devices.

2,077,664

PAD OF PAPER SHEETS FOR HANGING ON A WALL

Norman T. Beardsley, Portland, Maine, assignor to Brown Company, Berlin, N. H., a corporation of Maine

Application November 8, 1935, Serial No. 48,831

1 Claim. (Cl. 206—57)



The combination with a pad of paper sheets bound together at their upper edges of a one-piece paperboard folder at the upper end portion of said pad, said folder including an intermediate fold overlying the upper edges of said pad and defined by a back line of fold at the back upper edge of said pad and a front line of fold at the front upper edge of said pad, a back fold overlying the upper back end portion of said pad and secured to said pad, and a front fold freely bendable upwardly at said front line of fold and overlying only the upper front end portion of said pad, said folder including a tab struck out substantially centrally from said intermediate fold and bent upwardly at said back line of fold to constitute means by which said pad may be hung on a wall.

2,077,665

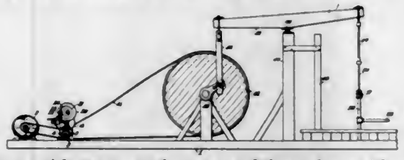
OIL WELL PUMPING ASSEMBLY

Edwin O. Bennett, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

Application March 17, 1933, Serial No. 661,221

2 Claims. (Cl. 103—45)

1. In an oil well pumping assembly, a prime mover, a hydraulic generator driven thereby, a control means for varying the output of said generator, a rotary hydraulic motor driven by said generator, a pump rod, means driven by said hydraulic motor for reciprocating said pump rod, a rotary cam, means driven by said motor for rotating said cam, and means driven by said cam for actuating said generator control means, the construction of the cam being such that the up stroke of the pump rod will commence slowly and be gradually accelerated.



2,077,666

ODOMETER

Harvey N. Bliss, East Hartford, Conn., assignor to Veeder-Root Incorporated, a corporation of Connecticut

Application June 11, 1934, Serial No. 730,051

17 Claims. (Cl. 235—144)



1. An odometer having operatively connected counter units, resetting mechanism for said units including a rotary reset shaft and means for effecting a quick reset of said units upon rotating said shaft in one direction, and mechanism normally driving said counter units in a counting direction through their operative connections and reversible to drive them in the opposite direction through said connections and having means including a driving member freely rotatable relative to said resetting shaft for inhibiting automatic quick resetting of said counter units upon driving the latter in a reverse direcion.

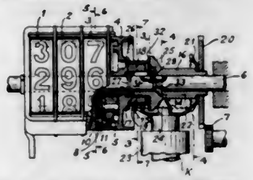
2,077,667

ODOMETER

Harvey L. Spaunburg, Bristol, Conn., assignor to Veeder-Root Incorporated, a corporation of Connecticut

Application December 10, 1934, Serial No. 756,788

12 Claims. (Cl. 235—144)



1. A counter having operatively connected counter units including number wheels adapted to add when rotated in the direction of ascending numbers, and resetting mechanism for said units including a resetting shaft stationary during such additive counting, a cam reciprocable on said shaft and rotatable with one of said units, and a clutch between said cam and shaft and automatically connecting said shaft and cam for rotation upon a resetting operation of said resetting mechanism.

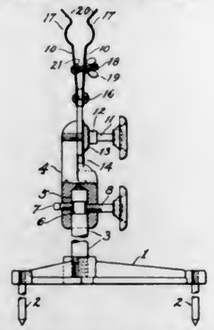
2,077,668

HOSE STAND

Harold Bennett Bristol, St. Louis, Mo.

Application April 29, 1935, Serial No. 18,864

1 Claim. (Cl. 248—82)



A hose stand, comprising, a rigid base casting having radiating arms providing a flat base adapted to rest upon the ground, downwardly-extending spikes secured in the ends of said arms adapted to penetrate the ground, an upright rod secured in the center of said base casting and having an annular groove at the top thereof, a swivel head on said rod, a retaining screw in said head entering said groove to retain said head on said rod, a clamping screw in said head engaging said rod to clamp said head against rotation thereon, said head having a flat side face, a flat-T-head engaging said face, a spring washer engaging said T-head and having a tongue locked against said swivel head, a clamping screw threaded in said swivel head and bearing against said washer to cause the latter to force said T-head yieldingly against said face, and upstanding spring clamps on said T-head adapted to receive and hold a hose.

2,077,669

FRICTION MATERIAL AND METHOD OF MAKING THE SAME

Donald S. Bruce, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application June 1, 1934, Serial No. 728,479

9 Claims. (Cl. 91—70)



1. A friction material comprising a continuous base of felted fibres, a friction compound impregnated thereinto and adapted to strengthen and harden the base and to withstand temperatures prevailing during use of the material, upwardly projecting portions of the surface of the impregnated base material, intervening depressions therein constituting reservoirs, and a friction compound disposed over the said surface and filling the reservoirs.

2,077,670

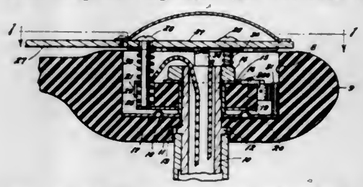
SWITCHING DEVICE FOR VEHICLE SIGNALS

John B. Brush, Cincinnati, Ohio

Application May 23, 1936, Serial No. 81,475

2 Claims. (Cl. 200—59)

1. In an electric switch device for vehicle signals comprising a steering wheel having a centrally disposed recess in the hub portion thereof, a steering shaft for supporting the same and extending centrally into the recess, a circular plate, having an annular offset, rigidly positioned on the bottom of the recess and grounded to the steering shaft, a rotatable disk-shaped member mounted on the shaft and adapted to frictionally engage the offset in the circular plate, a manually operated inner ring member positioned adjacent the steering wheel and adapted to actuate the rotatable member in a clockwise or counterclockwise direction, a positioning lug projecting from the periphery of the circular plate and disposed against the vertical wall of



the inset, a positioning spring mounted on the rotatable disk-shaped member and adapted to engage the positioning lug, said lug and spring cooperating to limit the movement of the rotatable member, a plurality of conductors projecting from the periphery of the circular plate and disposed against the vertical wall of the inset, a plurality of signal circuit contacts carried by the rotatable member and adapted to engage the conductors when the rotatable member is actuated to either limit of its movement, means for holding the disk-shaped rotatable member and the inner ring member in resilient spaced relationship and means for closing an independent circuit when the periphery of the inner ring member is depressed or raised.

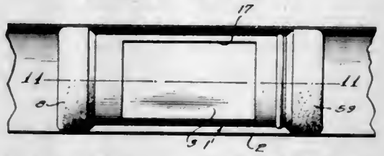
2,077,671

CARRIER FOR PNEUMATIC DISPATCH TUBES

Clinton A. Burrows, Glendale, Calif., assignor to Store Equipment Corporation, a corporation of California

Application August 27, 1934, Serial No. 741,585

14 Claims. (Cl. 243—34)



1. A carrier for pneumatic dispatch tubes, comprising an outer shell, a substantially transparent inner shell, and means for maintaining the inner shell against longitudinal stress within the outer shell.

2,077,672

TRAP SHOOTING APPARATUS

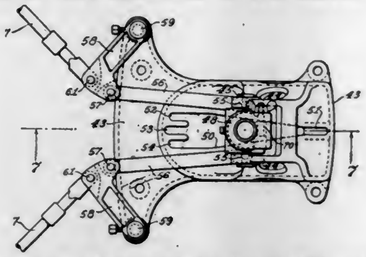
Paul H. Buxton and Harry C. Foster, East Alton, Ill., assignors to Western Cartridge Company, East Alton, Ill., a corporation of Delaware

Application August 5, 1932, Serial No. 627,568

2 Claims. (Cl. 124—3)

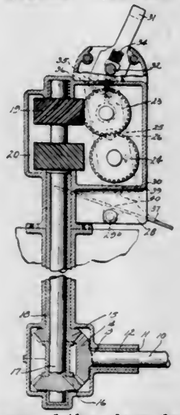
1. Controlling means for target traps, comprising, a pair of thrust members connected to operate separate traps, an operating handle, means for guiding said handle for movement in one direction to exert tension on said members to set

the traps, said handle being movable in the opposite direction to exert thrust on said members to release the traps, connections between said handle and said members constructed and arranged so that movement of said handle in a



direction deviating slightly from said opposite direction will release one trap only, and closely adjacent substantially parallel guides for said handle selectively engageable thereby for controlling the movement thereof to release either or both traps.

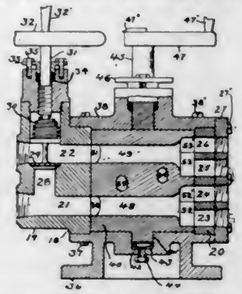
2,077,673
SWINGING WRINGER
John B. Castino, River Forest, Ill.
Application August 22, 1934, Serial No. 740,914
4 Claims. (Cl. 68—32)



1. In a wringer of the class described, a power shaft, a gear thereon, a tubular shaft, a rod shaft therein, gears on the tubular shaft and the rod shaft in mesh with the power shaft gear, a pair of wringer rolls mounted to oscillate about an intermediate axis parallel thereto, gears on said rolls, and gears on said tubular shaft and said rod shaft alternately engagable with the gears on said wringer rolls by oscillation of said pair of wringer rolls as a unit.

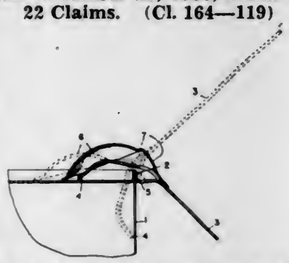
2,077,674
APPARATUS FOR HOISTING AND CROWDING TRACTOR BULLDOZERS
Hugh Coyle, Seattle, Wash.
Application April 3, 1935, Serial No. 14,488
3 Claims. (Cl. 121—46.5)

1. An apparatus for directing the flow of liquids to various predetermined points, comprising a circular casing provided with a circular chamber therein, and provided with a plurality of ports through the opposite walls thereof, a circular valve rotatably mounted perpendicularly in the chamber, said valve provided with a plurality of horizontal passage ways therethrough parallel to each other, and a plurality of diagonal passageways therethrough crosswise to each other and crosswise to said horizontal passageways, said valve further provided with peripheral grooves connected severally with the ends



of said passageways, for registering with said ports: respective, for receiving and directing flows of liquids through said ports respectively singly and plurally, with means for rotating said valve for the registration of said grooves and ports determine the destination of such fluid.

2,077,675
CAN OPENER
Wallace E. Cross, Detroit, Mich., assignor of one-half to John S. Murray, Detroit, Mich.
Application November 20, 1935, Serial No. 50,707
22 Claims. (Cl. 164—119)

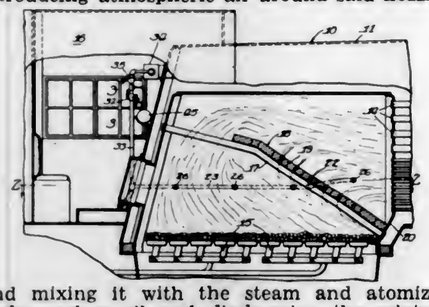


1. A container opener comprising a handle, a piercing member carried by an end portion of the handle and downwardly projecting in use, and a guard carried by the handle above the piercing member and proportioned to block any liquid jet upspurting from an opening formed by the piercing member.

2,077,676
FIREBOX CONSTRUCTION
Samuel M. Darling, Oak Park, Ill., assignor, by mesne assignments, to Diversified Patents, Inc., a corporation of Illinois
Application June 14, 1933, Serial No. 675,683
3 Claims. (Cl. 110—22)

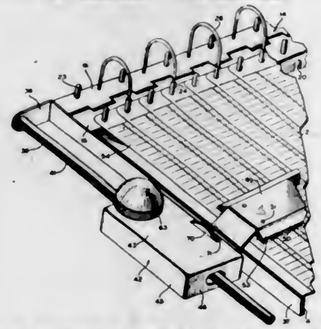
1. The combination with a locomotive boiler including a firebox adapted to burn solid fuel, of a baffle mounted in said firebox having a plurality of perforations therein for permitting a substantial portion of the gases from burning solid fuel to pass therethrough, a plurality of nozzles extending through the walls of said firebox projecting a substantial distance therein, certain of said nozzles located forwardly and certain other of said nozzles located rearwardly of said baffle, a steam pipe line connecting said boiler with said nozzles for furnishing steam under pressure thereto, a manually controlled

ejector for introducing a predetermined amount of hydro-carbon oil into said steam pipe line, and means adjacent each of said nozzles for introducing atmospheric air around said nozzles



and mixing it with the steam and atomized hydro-carbon oil and discharging the mixture through said nozzles so as to set up a violent turbulence of the gases on the opposite sides of said baffle.

2,077,677
SUMMARY BOARD
George H. Dawson, Chicago, Paul O. Unger, Glen Ellyn, and Fred D. Wedge, Lombard, Ill., assignors to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application March 14, 1935, Serial No. 10,976
17 Claims. (Cl. 120—33)

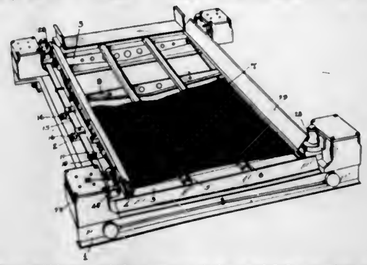


1. In a summary board, a plate member, one edge of said plate member being provided with a flange, a metal strip secured in spaced relationship to said flange, and a sheet retaining bar provided with a flange insertable in the space between said first mentioned flange and said metal strip.

14. In a summary board, a plate member, a rod non-circular in cross section pivotally mounted adjacent one edge of said plate member, a housing mounted on said rod, and means carried by said housing cooperating with said rod to move said housing along said rod.

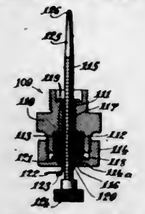
2,077,678
SCREENING APPARATUS
George R. Delamater, Shaker Heights, Ohio, assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio
Application March 3, 1933, Serial No. 659,573
1 Claim. (Cl. 209—346)

In a screening apparatus the combination of a base, a rigid frame mounted in an inclined position, resilient supporting means mounted between said base and frame, and resilient cushioning means above said frame, said frame being rectangular, thus providing corners, there being electro-magnetic vibrating means mounted at each corner, said frame being maintained in super-



posed position with respect to said base by means of resilient anchoring elements connected to the central portion of said base and to the opposite ends of said frame.

2,077,679
WATER LEVEL CONTROL FOR BOILERS
George Ernst, Newark, N. J.
Application January 15, 1934, Serial No. 706,778
9 Claims. (Cl. 200—53)



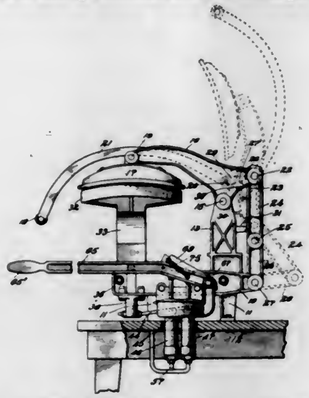
1. In a liquid level control for boilers, a casing, a valve therein automatically movable into closed position, a free ended electrode in the casing separate of the valve and having at an end thereof a portion of electric insulating material, said electrode being movable relative to the casing to cause said portion to open the valve, electrical insulating packing between the electrode and casing, said electrode having threaded engagement with the packing for movement of the electrode.

2,077,680
IRONING MACHINE
Nicholas L. Etten, Waterloo, Iowa
Application June 14, 1933, Serial No. 675,859
12 Claims. (Cl. 38—25)

1. An ironing machine having in combination a base, an ironing shoe and an ironing buck operatively mounted thereon, means for locking the shoe in operative position relative to the buck, hydraulic means for moving the buck relative to the shoe and manually operated pump means, said pump means for operating said hydraulic means comprising plural pumping cylinders unitarily operable, a manually operated member for actuating said cylinders unitarily, and means for automatically rendering certain of said cylinders inoperative whereby said manually operated member acts upon a less number of cylinders to bring about increased pressure in said hydraulic buck moving means.

4. An ironing machine having in combination a support, an ironing shoe and an ironing buck operatively mounted thereon, means for locking the shoe in operative position relative to the buck, hydraulic means for causing movement between shoe and buck to bring about pressure there-

between, means for actuating said hydraulic means including mechanism for changing its con-

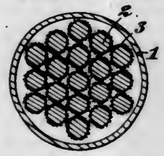


nection to the hydraulic means for facilitating the increase of pressure between shoe and buck during its actuation.

2,077,681
MIXED TERTIARY HEXYL ETHERS
Theodore Evans, Kensington Park, and Karl R. Edlund, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Original application February 9, 1935, Serial No. 5,854. Divided and this application June 20, 1936, Serial No. 86,337
3 Claims. (Cl. 260—151)

1. The mixed tertiary ether of the formula R—O—R', wherein R represents a tertiary hexyl radical and R' represents the alkyl radical of an alcohol containing no more than two carbon atoms.

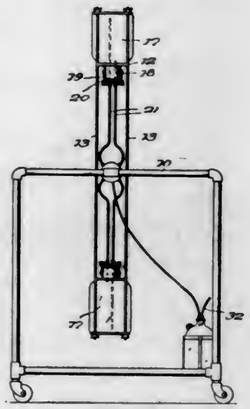
2,077,682
DRAWING PROCESS
Samuel James Everett, London, England, assignor to Thos. Firth & John Brown Limited, Yorkshire, England, a British company
Application May 6, 1936, Serial No. 78,274
In Great Britain May 17, 1935
11 Claims. (Cl. 205—21)



1. A process for the production of fine wires, strips, thin sheets or the like by reduction from elements of larger cross-section which comprises assembling inside a tubular casing a plurality of metal elements composed of alloy steel comprising 0.05% to 0.20% carbon, 6% to 14% nickel and 10% to 20% chromium, and subjecting the encased elements as a unit to reducing operations to reduce the cross-section area of all the elements, simultaneously, and then removing the casing.

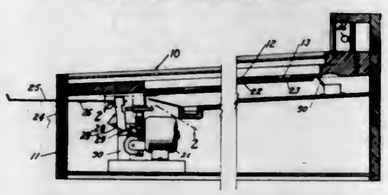
2,077,683
SURGICAL SUCTION AND PRESSURE MACHINE
Karl J. Fritz, Johnstown, Pa.
Application January 31, 1936, Serial No. 61,789
4 Claims. (Cl. 230—75)

1. A surgical suction and pressure machine including a support embodying a tubular bar, a valve carried by the bar, opposed liquid containers connected by a communicating line leading into



said valve, each container having a suction inlet and an air outlet, a part only of the valve being movable on said bar to close the communicating line between the containers.

2,077,684
CONTROL DEVICE FOR GAMES
Louis W. Gensburg, Chicago, Ill.
Application October 11, 1935, Serial No. 44,487
3 Claims. (Cl. 200—52)



1. A commutator switch for use with game apparatus having a coin slide control, said switch including stationary contacts, a rotatable multiple contactor engageable with the fixed contacts, driving means for rotating said multiple contactor from initial to advanced position in one direction, means for rotating said multiple contactor in an opposite direction from advanced position back to initial position, said means including an energy storing member energized by the advancing movement of the multiple contactor, clutch means releasably connecting the said multiple contactor with the said driving means to permit the operation of said energy storing means to return the multiple contactor to initial position, and means including a lever arm adapted for operative engagement by a said coin slide and operable to release said clutch means.

2,077,685
SAIL
William F. Gerhardt, Detroit, Mich.
Application April 18, 1934, Serial No. 721,198
15 Claims. (Cl. 114—103)

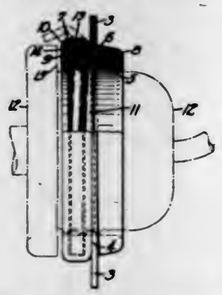
13. A sail comprising a mast, a support spaced aft of the mast, a sail-canvas looped around the mast in contact relation with the leading portion

thereof and joined together substantially at and attached to said support, and struts extending



from the mast for maintaining said support in spaced relation with the mast.

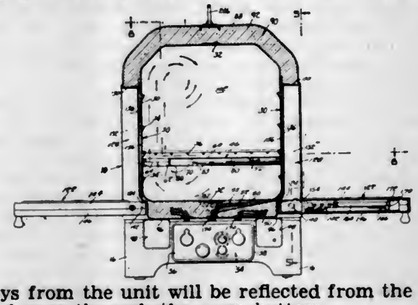
2,077,686
TERMINAL BUSHING
George R. Gober, Alameda, Calif.
Application November 30, 1935, Serial No. 52,378
2 Claims. (Cl. 173—311)



1. An electrical terminal bushing adapted to be inserted in a plate having an aperture therein, comprising an annulus of resilient material having a peripheral groove therein, a portion lying at one side of said groove deformable to pass through said aperture to position said groove in engagement with portions of said plate bordering said aperture, a portion lying at the other side of said groove, and a terminal receiving member having a flange thereon embedded in said last mentioned portion of said annulus.

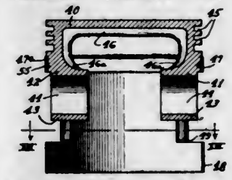
2,077,687
PORTABLE ELECTRIC COOKING STOVE
Max L. Goldbert, New York, N. Y., and Roy T. Watts, Miami Beach, Fla., assignors to Electric Trading Corporation, New York, N. Y., a corporation of New York
Application December 7, 1934, Serial No. 756,406
3 Claims. (Cl. 219—35)

3. In an electrical cooking oven, a casing defining an oven therein, a permanent partition across the oven below the middle and having air circulation openings therethrough at the sides thereof, supporting an electrical heating unit enclosed therewithin, said partition being closed at the top and open at the bottom, whereby the heat



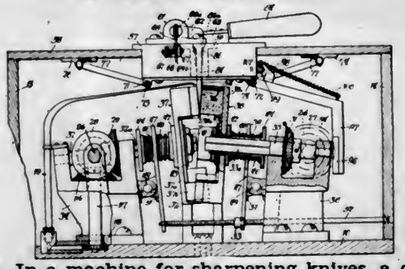
rays from the unit will be reflected from the top and pass through the open bottom.

2,077,688
PISTON
Oscar F. Gottlieb, Lake Bluff, Ill., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan
Application July 22, 1935, Serial No. 32,533
2 Claims. (Cl. 309—14)



1. A composite piston comprising a cast iron head portion having depending ears extending therefrom on opposite sides thereof, said ears carrying apertured bosses on the ends thereof for receiving the ends of a wrist pin, a cylindrical steel skirt portion telescoped on part of the head portion and having a pair of spaced cuts therein on each side thereof defining web portions therebetween, said web portions being indented to reinforce the skirt and having parts thereof cut away to receive the depending ears of the head and a thin film of a copper containing brazing material between and alloyed with the telescoped portions of the head and skirt to integrally unite said portions.

2,077,689
KNIFE SHARPENER
Julius A. Grobstein, Chicago, Ill.
Application March 4, 1935, Serial No. 9,168
23 Claims. (Cl. 51—114)



5. In a machine for sharpening knives, a carriage, means for supporting a knife in said carriage with its edge projecting therefrom, a rotatable worm, a rack carried by the carriage and adapted to be engaged by the worm, means to se-

cure the knife in the carriage, said last-mentioned means serving to effect engagement of the rack and the worm, said carriage being moved longitudinally of the knife edge by the action of said worm and rack, and sharpening means engaging and sharpening the edge of the knife as the carriage advances.

20. A method of sharpening knives which comprises advancing the knife longitudinally of its cutting edge between two angularly disposed substantially radially faced sharpening members having spaced composite sharpening and stropping surfaces in staggered relation to each other, and rotating said members while advancing the knife whereby both sharpening and stropping of the knife successively take place in the order named, the sharpening and stropping strokes being in a direction generally downward and away from the body of the knife, and the opposite sides of the knife being alternately contacted with the composite sharpening and stropping surfaces.

2,077,690

DISPLAY DEVICE

Henry Harrison, Conshohocken, Pa.

Application December 4, 1934, Serial No. 755,864

5 Claims. (Cl. 40—125)



1. The combination of a tire casing, with a flexible poster sheet inserted within the space formed between the inner proximate surfaces of the opposed beads of the tire casing, said sheet being provided along opposed edges thereof with channel-shaped metal edge members, and a tensioning member in the form of a resilient rod the opposite extremities of which are respectively adapted to be accommodated within the channel-shaped edge members of the sheet whereby to tension and so maintain the latter in taut condition, the said tensioning member being fashioned to so coact with one body of the tire casing as to cause the tensioned sheet to engage flatwise against the opposite body of the tire.

2,077,691

TUFTING BUTTON

William L. Hawn, Kansas City, Mo.

Application December 26, 1935, Serial No. 56,217

7 Claims. (Cl. 24—90)



1. A tufting button including an eye element formed of resilient wire-like material, and head sections fixed to the eye element and normally spaced apart by said eye element to form a passageway wherethrough a tie element is passed for seating engagement with the eye element, said sections forming a substantially concavo-convex head to provide a peripheral bearing seat for the button and which are adapted to move toward each other to close said space when the tie element is drawn taut to seat the button.

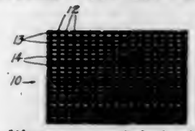
2,077,692

FABRIC

Alfred L. Helwith, Larchmont, N. Y.

Application May 3, 1934, Serial No. 723,656

6 Claims. (Cl. 139—420)



1. A taffeta-like rayon fabric having a warp and weft interwoven in a regular order and arrangement throughout the fabric, said yarns being lusterless and all of one color, the warp consisting of relatively light and heavy yarns arranged in consecutive alternation, one of the series of light and heavy yarns consisting of twisted yarns, the weft consisting of relatively light yarns, and there being more warp than weft yarns per inch, as set forth.

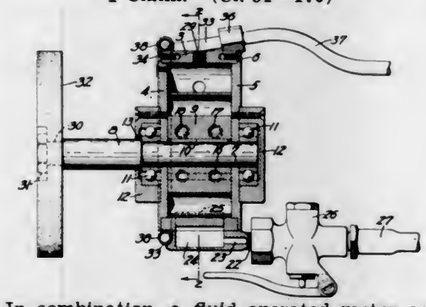
2,077,693

FLUID OPERATED TOOL

Charles Herrero, Oakland, Calif., assignor of one-fourth to George W. Keenan and one-fourth to Melbourne W. Bezanson, both of Oakland, Calif.

Application May 20, 1935, Serial No. 22,401

1 Claim. (Cl. 51—170)



In combination, a fluid operated motor comprising a housing having a central bore therein and plates closing each end of said bore to provide a cylindrical chamber within said housing, said housing having an inlet port, through which fluid may be admitted to said chamber, and a plurality of outlet ports spaced circumferentially about the periphery of said chamber from said inlet port through which said fluid may be discharged from said chamber, a shaft journaled in each of said plates and extending through said housing, said shaft being offset axially with respect to the axis of said housing bore, a cylindrical rotor fixed to said shaft within said chamber, said rotor having a portion of its periphery lying closely adjacent the periphery of said housing bore, a plurality of vanes resiliently mounted in, and extending substantially radially from, said rotor, said vanes being in contact, at their outer ends, with the periphery of said bore and movable, when said rotor is rotated, into the path of said fluid entering said chamber through said inlet port, plugs removably secured in a plurality of said outlet ports whereby, upon removal of said plugs, the rapidity of discharge of said fluid from said chamber may be controlled, an abrasive tool mounted for rotation with said shaft, and an annular conduit to which fluid under pressure may be admitted, mounted on and concentrically with said housing, said conduit having a plurality of openings therein for projecting the fluid contained therein on to said abrasive tool.

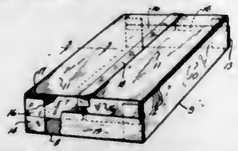
2,077,694

ADJUSTABLE DEPTH FOLDING BOX

George W. Hinton, Appleton, Wis., assignor to Menasha Wooden Ware Corporation, Menasha, Wis., a corporation of Wisconsin

Application June 15, 1936, Serial No. 85,271

3 Claims. (Cl. 229—33)



2. A variable depth container, comprising a plurality of wall forming sections foldably connected together and arranged to provide a six-sided enclosure, there being groups of parallel selective lines of fold between certain of said sections, and other sections foldably connected at the ends of said sections separated by the groups of selective lines of fold, there being wide slots between adjacent edges of said latter sections with each slot coextensive with and slightly wider than a group of lines of fold.

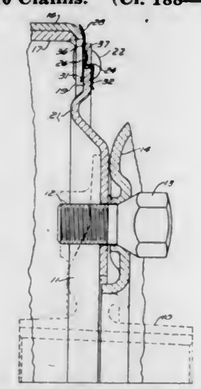
2,077,695

BRAKE DRUM

Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application August 5, 1935, Serial No. 34,744

10 Claims. (Cl. 188—218)



1. In a vehicle wheel having a brake drum provided with a peek-hole, a cover for said peek-hole comprising a plate having cooperating spaced fingers engaging opposite sides of a wall of said brake drum.

2,077,696

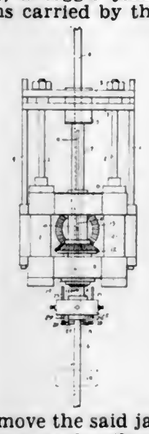
AUTOMATIC CHUCK CONTROL FOR ROTARY CORE DRILLING MACHINES

John W. Hornbrook, Larned, Kans.

Application October 11, 1935, Serial No. 44,565

3 Claims. (Cl. 255—22)

1. An automatic chuck control for rotary core drilling machines, the machine having a sleeve and means to rotate the same and a hollow splined shaft slidably engaging in the sleeve and rotatable therewith, a plate secured to the sleeve near the lower end thereof and rotatable therewith, a housing secured to the lower end of the hollow splined shaft and rotatable therewith, a pair of toothed jaws positioned in the housing and adapted to slide toward and from the axis of the housing, a toggle joint for each of the jaws and means carried by the plate to actuate



each toggle to move the said jaws simultaneously toward and from each other for the purpose specified.

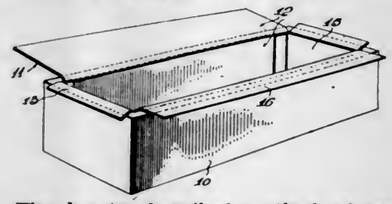
2,077,697

METHOD OF PACKING CHEESE

Walter Y. C. Hunt, Short Hills, N. J., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware

Application April 22, 1936, Serial No. 75,846

3 Claims. (Cl. 99—178)



1. The herein described method of packing cheese, which consists in utilizing a paper-covered foil wrapper within a box body so as to present the foil surface of the wrapper toward the interior of the box with one outer edge of the foil free of the paper covering, filling the wrapper with hot fluid cheese, infolding the sides of the wrapper over the cheese so that the free edge of the foil underlaps the opposite edge of the wrapper for forming a metal-to-metal contact, and then inverting the box and its contents upon a flat surface while the cheese is hot so that the weight of the hot fluid cheese will uniformly flatten the metal-to-metal surfaces under heat and pressure conditions and form an effective seal along their contacting areas.

2,077,698

LOCKING MECHANISM

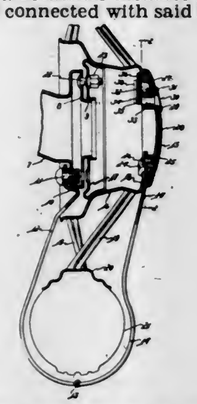
Edwin P. Hurd, Detroit, Mich.

Application December 14, 1931, Serial No. 580,787

8 Claims. (Cl. 70—168)

3. In combination a wheel hub having an opening, a hub cap having a flange for extending through said opening, a radially shiftable lock member supported on said cap and said cap flange having a guide passageway for the end of said locking member, an actuating member adapted upon rotational movement to cause radial shift of said locking member to locking or unlocking position, the outer end of said locking member when in locking position being projected behind

the hub wall surrounding the hub opening whereby to lock the cap to the hub, a housing supported by said cap, a rotatable member journaled in said housing and connected with said locking bar actu-



ating member, and means for locking said rotational member against rotation after actuation thereby of said actuating member to shift said locking member into locking position.

2,077,699
CELLULOSIC STRUCTURES
Emil Kline, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1932, Serial No. 607,214
15 Claims. (Cl. 106—40)

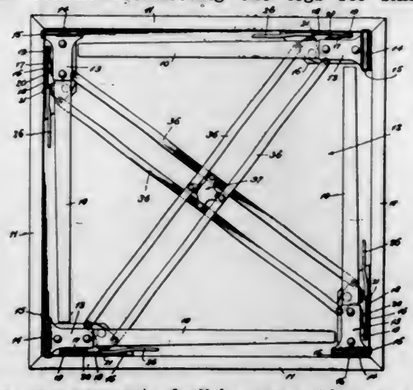
10. Cellulosic artificial silk filaments or threads characterized by a subdued or low luster and having a finely divided completely halogenated ring hydrocarbon compound uniformly distributed throughout the mass thereof, said halogenated hydrocarbon consisting of a ring hydrocarbon in which each hydrogen in the molecule has been substituted by halogen and being sufficiently inert to resist change or removal during the process of preparing the filaments or threads and the usual operations to which the structure may be subjected in use.

2,077,700
ARTIFICIAL SILK HAVING SUBDUED LUSTER
Emil Kline, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 22, 1935, Serial No. 12,440. Renewed August 29, 1936
3 Claims. (Cl. 106—40)

2. Rayon containing not more than approximately 5.0%, by weight, of finely divided deca chlorodiphenyl uniformly distributed throughout the mass thereof to impart a subdued or low luster and/or opacity to the product.

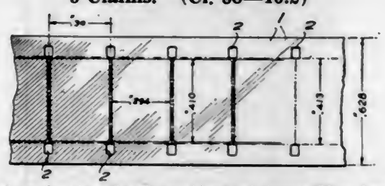
2,077,701
FOLDING TABLE
John Kovats, Fairfield, Conn.
Application April 14, 1936, Serial No. 74,237
14 Claims. (Cl. 311—82)

1. In a folding table, the combination of a rectangular table top; four legs; means for hinging the legs on the table top at the corners thereof for movement to and from extended and folded positions; toggle links connecting each leg with the table top; and means acting on said toggle links for interconnecting the legs for simul-



taneous movement of all by one, said means including two pairs of link members disposed diagonally of the table top, each pair interconnecting diagonally opposite toggle links, and a connector having apertured arms pin-connected to the link members.

2,077,702
SUBSTANDARD MOTION PICTURE FILM CARRYING SOUND
George Lane, New Haven, Conn.
Application November 27, 1931, Serial No. 577,486
Renewed March 14, 1936
5 Claims. (Cl. 88—16.2)

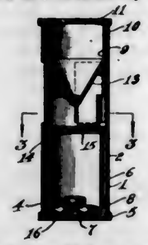


1. A sub-standard motion picture film having thereon a single series of pictures with their longer dimension parallel to the film length, the sum of the longer dimension of two pictures being substantially equal to the height of a 35 mm. picture, and a sound track of standard 35 mm. length synchronized therewith.

2,077,703
THERAPEUTIC DEVICE
Robert Parker Little, Santa Paula, Calif.
Application November 27, 1935, Serial No. 51,787
4 Claims. (Cl. 126—344)

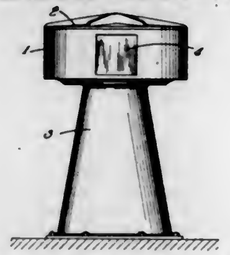
2. The combination in a therapeutic device, of a tubular housing, a receptacle member removably secured within one end of said tubular housing, said receptacle member adapted to hold combustible pellets; a tubular member telescopically received within said tubular housing through the opposite end thereof, said tubular member provided with a receptacle for receiving a liquid and a drug to be dissolved thereby when the liquid is heated, a disk diametrically disposed within said tubular housing and upon which one of the combustible pellets may be placed and ignited for heating the said receptacle placed thereabove, said tubular housing and said tubular member

both provided with openings adapted to register when said members are relatively rotated to regu-



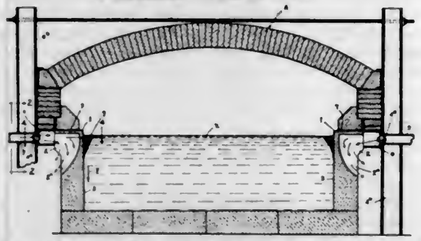
late draft in the zone of the disc upon which said pellet is placed.

2,077,704
X-RAY PHOTOGRAPHIC APPARATUS
Benjamin Ellan Luboshez, Harrow, England
Application November 22, 1934, Serial No. 754,328
In Great Britain November 22, 1933
11 Claims. (Cl. 250—34)



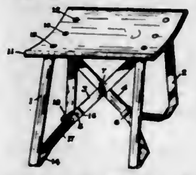
1. Apparatus for taking a plurality of X-ray substantially life-size shadowgraphs comprising a casing, a "window" therein transparent to X-rays, a cylindrical drum within the casing, a rotatable arm radial to the drum pivoted concentrically therewith, and means carried by said arm for maintaining a band of film taut around the drum and for lifting off the drum where it faces said window a part of said band and laying thereon another part as the arm is rotated around the drum.

2,077,705
WALL OF GLASS TANKS
John H. McKelvey, Kirkwood, and John W. Rogers, University City, Mo., assignors to Laclede-Christy Clay Products Company, a corporation of Missouri
Continuation of applications Serial No. 631,166, August 31, 1932, and Serial No. 36,630, August 15, 1935. This application November 4, 1935, Serial No. 48,166
6 Claims. (Cl. 49—54)



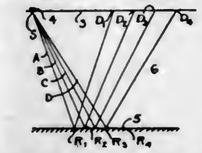
1. A glass tank with refractory walls provided with vertically disposed cooling slots that extend from the glass-line downwardly and from an outer portion of the wall toward the inner surface, together with means for causing cooling streams of fluid to flow through said slots from the upper ends thereof downwardly, the slots being of a width ranging from one sixteenth of an inch to an inch and a quarter, and the centre-to-centre spacing of the succession of slots ranging from one to six inches, whereby the glass of a pool brought to molten condition within the tank may be maintained in viscid state in a region that extends inwardly and downwardly from the margin line of the pool.

2,077,706
MILKING STOOL
Cecil A. McNeff, Portland, Oreg.
Refiled for abandoned application Serial No. 12,894, March 25, 1935. This application July 21, 1936, Serial No. 92,010
1 Claim. (Cl. 155—149)



A milking stool comprising, two similar aluminium alloy end-frames each formed from a straight bar to provide in the middle thereof an elevated transverse portion, and by successive bendings, two oppositely disposed upright portions, two lower horizontally disposed portions, two diagonally disposed portions extending inwardly and upwardly to apposition and two apposed terminally disposed portions; two aluminium alloy diagonal members pivotally joined medially of the ends thereof and pivotally joined at the lower extremities thereof to said end-frames at the apposed terminal portions of said end-frames and detachably secured at opposite ends thereof to said elevated transverse portions of said end-frames respectively; a wood seat having cylindrical upwardly curved upper and lower surfaces of equal radii; and bolts detachably securing said seat upon said frames.

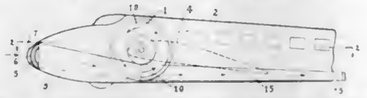
2,077,707
ELECTROMAGNETIC PROSPECTING METHOD
Benjamin Starr Melton, Houston, Tex.
Application August 1, 1933, Serial No. 683,128
3 Claims. (Cl. 175—182)



1. A method of electrically locating buried geological formations including passing into the earth a series of independent periodic electrical impulses to initiate electrical earth waves that may be detected at points in the area under observation, timing such impulses to occur at a minimum rate of sixteen times per second so as to create visual patterns of the reflected and refracted impulses which will lie within the normal persistence of vision, and receiving and forming visual patterns of the reflected and refracted

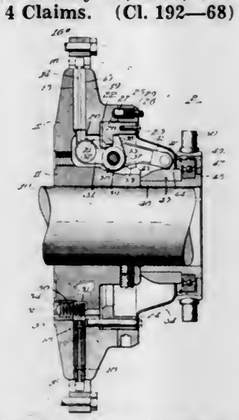
earth waves at a point of observation whereby the time of travel of said waves may be visually obtained.

2,077,708
AIRPLANE
Robert V. Morse, New York, N. Y.
Application August 4, 1934, Serial No. 738,438
12 Claims. (Cl. 244—55)



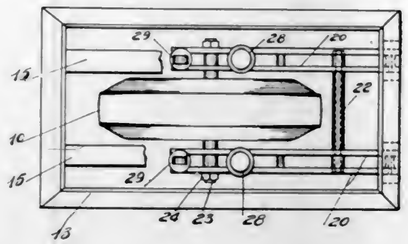
1. In a cooling system for airplanes, the combination of a fuselage, radial air-cooled motors located within the fuselage with their axes substantially transverse to the line of flight, air jackets for the motors having whirl chambers formed to loop the cooling air back around a circuit of the motors in a substantially helical manner, intake air conduits extending from the lower portion of one side of the whirl chambers toward the nose of the fuselage, out going air conduits extending from the lower portion of the other side of the whirl chambers toward the rear of the fuselage, and means to assist the flow of air through the cooling system.

2,077,709
CLUTCH
William J. Pearmain, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application February 19, 1936, Serial No. 64,615
4 Claims. (Cl. 192—68)



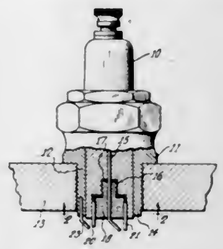
1. In a clutch, the combination of a driving plate and a hub adapted for connection to separate rotary parts, a pair of clamping members located on opposite sides of the plate and adapted to grippingly engage therewith, one of the members forming part of the hub and the other member having a spline connection with the hub and movable axially relative thereto, an adjusting ring carried by the axially movable member, a nut threaded on the ring in abutting relation to the axially movable member, a plurality of levers pivoted on the hub each having one arm for engaging the adjusting ring to exert pressure against the axially movable member, and means for operating the other lever arms to engage the clutch, each of the levers being counterbalanced for movement in a releasing direction under the impulse of centrifugal force when freed from the operating means.

2,077,710
INDEPENDENT CONTROLLED CUSHION WHEEL UNIT
Alexis R. Pribil, Saginaw, Mich.
Application September 14, 1935, Serial No. 40,540
6 Claims. (Cl. 280—106.5)



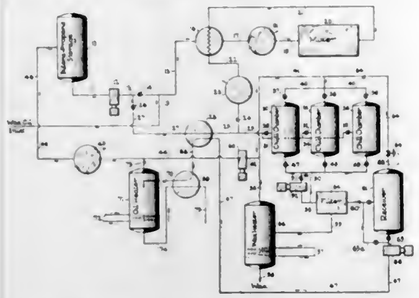
1. An independent wheel unit of the character described and comprising a main frame, a wheel frame secured thereto, a fork connected to one end of the wheel frame, said connection having a limited transverse swinging movement with relation to the frame, a wheel mounted on the free end of the fork, and vertically disposed resilient means interposed between the wheel frame and the fork.

2,077,711
SPARK PLUG
Philip Redinger, Jr., Newark, N. J.
Application April 22, 1936, Serial No. 75,659
3 Claims. (Cl. 123—169)



1. A spark plug comprising a metallic base having a threaded sleeve extending therefrom and a porcelain body filling said sleeve, said body being provided with a substantially cylindrical opening at its lower end, a reduced and threaded opening extending upward from said larger opening, the wall surrounding said larger opening being provided with niches on opposite sides, a substantially oval metallic member having a circular opening therein being inserted into said larger opening, a knob registering in said larger opening and having a threaded stem registering in said threaded extension opening, metallic rods integral with said oval member and extending at right angles from opposite ends thereof, said rods lying in said niches and projecting from the lower extremity of said body, a metallic rod extending axially through said body and said knob, said last-named rod extending beyond said knob and having its extremity adjacent the protruding end of one of said rods on said oval member, and a fourth metallic rod integral with said sleeve having its extremity adjacent the end of the other of said rods on said oval member.

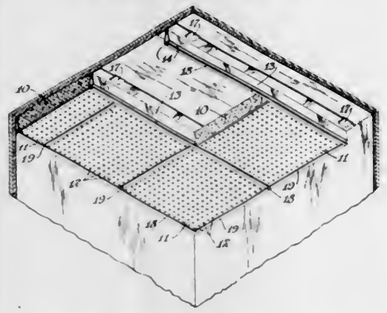
2,077,712
DEWAXING OF MOTOR FUELS
Joseph K. Roberts and Morris T. Carpenter, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 31, 1931, Serial No. 560,316
10 Claims. (Cl. 196—18)



9. The method of separating wax from a wax-bearing lubricating oil stock which comprises mixing said stock with a small amount of a liquefied normally gaseous diluent, heating said mixture to a temperature sufficient to effect solution of both wax and oil in said diluent, partially chilling said solution, separately chilling a large amount of said diluent to a lower temperature than the partially chilled solution, mixing said partially chilled solution and large amount of oil and introducing said mixture into said chilling zone, further chilling the mixture in the chilling zone by evaporative cooling to effect substantially complete crystallization of the wax, mechanically separating the wax from diluted oil and removing diluent from the separated wax and diluted oil respectively.

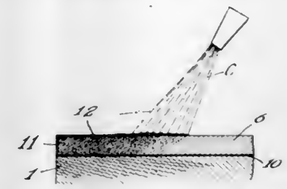
10. The method of claim 9 wherein a large amount of diluent is separately cooled by heat exchange with separated diluted oil subsequent to the separation of wax therefrom and prior to the removal of all of the diluent therefrom.

2,077,713
ACOUSTICAL MATERIAL
Donald F. Ross and Walter A. Elliott, Minneapolis, Minn.
Application February 24, 1936, Serial No. 65,181
4 Claims. (Cl. 20—4)



1. In sound absorbing construction, a soft sound absorbing material disposed against a supporting surface, a plurality of polygonal facing sheets covering said material and having edges thereof disposed in close opposing relation, a plurality of rails secured to a supporting surface and having elements for engaging the opposing edges of said sheets, said sheets having limited flexibility to enable the same to be bowed to permit engagement of opposite edges of a sheet with a pair of such rails.

2,077,714
LUMBER AND METHOD OF MAKING THE SAME
Charles E. Rozema, Grand Rapids, Mich., assignor, by mesne assignments, to Haskelite Manufacturing Corporation, a corporation of New York
Application August 28, 1933, Serial No. 687,122
8 Claims. (Cl. 154—2)



1. The method of producing a product that will not check of wood having a tendency to do so, which comprises gluing to a face of the wood by the hot process pliable cellulosic material that will absorb varnish when such material is hot, and while the said material is still in a heated condition, applying varnish to said material to cause portions thereof to penetrate into said material and the remainder to form a continuous film overlying the cellulosic material.

2,077,715
KEY WINDER
Harry Ernest Rubens, New York, N. Y.
Application February 18, 1933, Serial No. 657,319
Renewed January 26, 1937
6 Claims. (Cl. 221—60)

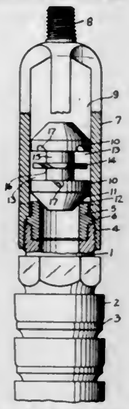


1. A key for a tube, the closed lower end of which tube is thicker than two wall thicknesses of said tube, comprising a cylindrical body; a handle integral therewith and a longitudinal slot extending along said cylindrical body, the width of said slot being slightly less than the closed lower end of said tube, the walls of said cylindrical body possessing a slight resiliency whereby when said key is slipped laterally over said closed lower end, it is prevented from accidentally slipping off the end of said tube and from sliding freely sidewise on said tube, yet capable of being withdrawn from the tube while wound around the key.

2,077,716
PUMP VALVE
James W. Sandlin, Humble, Tex.
Application June 8, 1935, Serial No. 25,555
7 Claims. (Cl. 251—129)

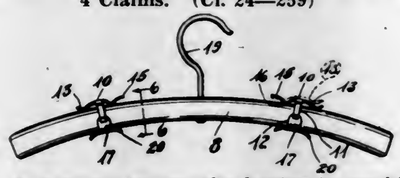
3. A valve approximately cylindrical in shape, seating surfaces formed on the ends thereof and an annular flange between the ends of the valve,

said flange being of smaller diameter than said ends and having inclined slots therethrough to



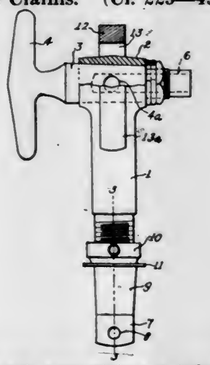
permit the passage of fluid for the purpose described.

2,077,717
GARMENT HANGER CLIP
Roy A. Schramm, Bay City, Mich.
Application January 4, 1936, Serial No. 57,529
4 Claims. (Cl. 24—259)



1. A garment hanger clip having in combination, a metallic clip provided with downwardly projecting spaced apart legs, and a flexible resilient member detachably secured to and connecting the ends of said legs.

2,077,718
BEVERAGE FAUCET
Jacob Schreier, Detroit, Mich.
Application June 4, 1934, Serial No. 729,020
4 Claims. (Cl. 225—43)



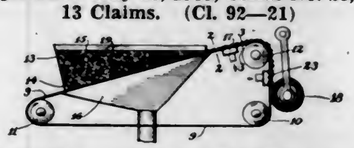
2. In a faucet comprising a tubular stem, insertable at one end in a container and forming a beverage inlet to the faucet from such container, a casing integrally carried by the other end of the stem, and a valve member rotative in said casing about an axis substantially transverse to the stem, an impact member for use in driving the faucet into the container, said member being integrally connected to the faucet at a point between the inlet end of the stem and the plane, transverse to the stem, determined by the axis of said valve member.

2,077,719
HOOKED RUG MAKING DEVICE
Foster K. Solliday, Grand Rapids, Mich.
Application May 27, 1935, Serial No. 23,566
12 Claims. (Cl. 112—80)



1. In a machine of the class described, a supporting bar, a needle mounted thereon for reciprocating and rocking movements, means for operating said needle to reciprocate and simultaneously rock the same, a second bar slidably mounted on the first bar and having a dog at its lower end, means for moving said second bar to project the dog downwardly at the time the needle is at its uppermost position, and a gauge adjustably mounted adjacent the lower end of said bar and adjustable toward and away therefrom, said gauge having a portion to engage with a row of stitches or tufts previously produced.

2,077,720
FELTED PRODUCT AND METHOD OF MAKING THE SAME
William R. Seigle, Orienta Point, Mamaroneck, N. Y., and George Basil Brown, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application May 28, 1935, Serial No. 23,802
13 Claims. (Cl. 92—21)



2. A sheet comprising resiliently compressible nodules of mineral wool constituting thick portions of the sheet and a thin web of matted fibres extending between the said nodules, therearound, and thereinto, the web being interlocked with the nodules and forming therewith a coherent sheet provided with irregularities of surface and the sheet being in unsmoothed condition.

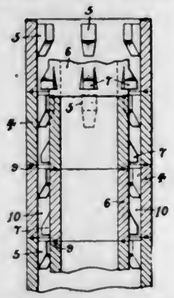
5. In making a lightweight, felted sheet product, the method which includes the steps of forming an aqueous suspension comprising mineral fibres, a portion of the fibres being in separate dispersed condition and other portions of the fibres being in definite clusters, depositing the fibres on a permeable, travelling supporting surface to form a wet mass of interengaged fibres, applying sufficient suction to remove the major portion of the water from the wet felt through said supporting surface and to mat the dispersed fibres and collapse the clusters only partially, so as to form projections on the face of the sheet, and assembling a plurality of layers of said sheets in superimposed relationship, the said projections serving to space the layers.

2,077,721
CAP FOR FILLING NOZZLES
John Sinko, Chicago, Ill.
Application September 25, 1935, Serial No. 41,962
4 Claims. (Cl. 220—40)



1. A cap for a filling nozzle, comprising outer and inner discs united at their peripheries, a central boss depending from said inner disc, a locking bar extending through said boss, said locking bar having notches in its side edges so shallow as not to appreciably weaken said bar, and a rivet having a pair of legs extending through said boss and inner disc and the notches of said locking bar.

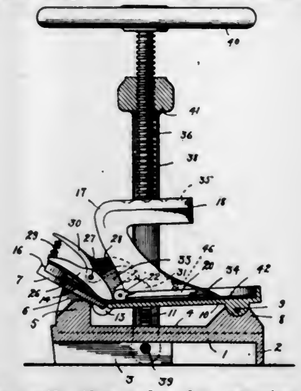
2,077,722
CHIMNEY
Fritz Spring, Wettingen, Argau, Switzerland
Application February 10, 1936, Serial No. 63,120
In Switzerland February 16, 1935
7 Claims. (Cl. 72—92)



1. A chimney consisting of an outer casing having a smoke conduit within it and separate therefrom, and vertical supports within the outer casing for the smoke conduit which supports permit and guide movement of the said conduit in relation to the outer casing.

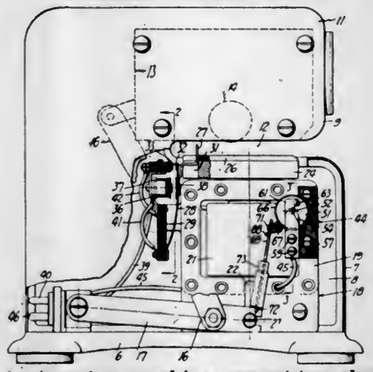
2,077,723
SHOE SOLING DEVICE
Floyd J. Stark, Duluth Minn., assignor of twenty-five per cent to Joseph A. Lundeen and twenty-five per cent to James W. Brown
Application January 17, 1934, Serial No. 708,193
6 Claims. (Cl. 12—33)

1. In a shoe sole cementing device, a base member, a shoe support pivotally mounted at its forward end to the base member, an adjustable shank support pivoted to the rear end of said shoe support, a yoke the ends of which are pivoted to the sides of said support, a last having an adjustable shank portion for insertion within a shoe upon said support, and means co-



operative with the yoke for causing pressure against said last.

2,077,724
STAMPING MACHINE
Sven Svenson, San Francisco, Calif.
Application February 3, 1936, Serial No. 62,131
8 Claims. (Cl. 101—287)



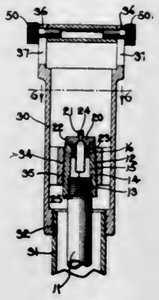
1. A stamping machine comprising electrical stamp-actuating means, an electric circuit for said means, a switch in said circuit operable by a sheet to be stamped, means for holding said switch in closed position, and means dependent upon the completion of operation of said actuating means for releasing said switch from closed position.

2,077,725
ADJUSTABLE SPRAYING DEVICE
Jerry Tyler, Niles, Mich.
Application May 22, 1933, Serial No. 672,158
5 Claims. (Cl. 299—58)

1. A spray device comprising, a nozzle constructed to deliver a stream of water, a drainage member surrounding the nozzle and having an upward opening and an impact member having a flat impact surface located in the path of said stream and over the said opening of the drainage member, said impact member being mounted for adjustment both in a direction in alinement with said stream and as to angularity of its impact surface relative to said stream, said axis about which the tilting occurs being crossed by the prolongation of the path of the stream.

2. In a spraying construction of the class described, a cylindrical member having an open

upper end, means for forcing a small jet of water upwardly through the member in spaced relationship to its inner surface, baffle plate means, and



means for adjustably mounting said baffle plate whereby it may be moved to completely close the open upper end of said cylindrical member.

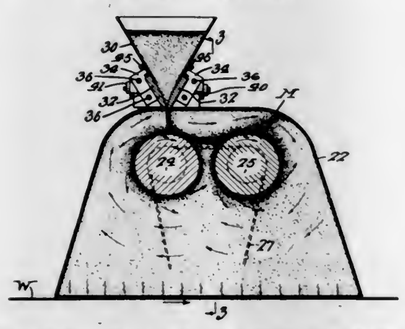
2,077,726

APPARATUS FOR THE MANUFACTURE OF COATED PAPER

Diong D. Uong, Fitchburg, Mass., assignor to Fitchburg Paper Company, Fitchburg, Mass., a corporation of Massachusetts

Original application April 1, 1933, Serial No. 663,966. Divided and this application August 17, 1935, Serial No. 36,623

4 Claims. (Cl. 91—43)



4. A powder-applying mechanism for a paper-making machine comprising a casing, a hopper mounted thereon, and feeding devices for said powder comprising a pair of adjacent and substantially vertically grooved plates mounted at opposite sides of said hopper, means to reciprocate said plates longitudinally, said plates being inclined relatively to each other, and means to adjust said plates in the planes thereof to vary the powder delivery opening between said plates.

2,077,727

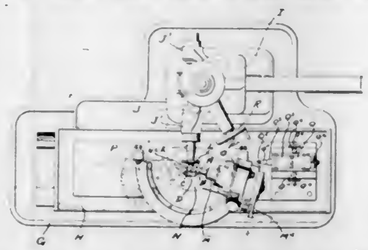
GRINDING MACHINE

Frederick A. Ward, Detroit, Mich., assignor to The Gear Grinding Machine Company, Detroit, Mich., a corporation of Michigan

Application June 30, 1930, Serial No. 465,048

4 Claims. (Cl. 51—92)

1. A grinding machine comprising a frame, a grinding wheel and a table mounted on said frame in relatively reciprocating relation, a member mounted on said table to be angularly adjustable thereon about a vertical axis at the central portion of the table, means for limiting the angular adjustment of said member, a work holder rotatively mounted upon said member eccentric to said vertical axis with its axis of rotation in a plane parallel to the plane of said table, the an-



gular adjustment being through an arc greater than ninety degrees (90°) to present opposite portions of the work in said work holder to operative engagement with the tool, and an index mechanism cooperating with said rotary work holder.

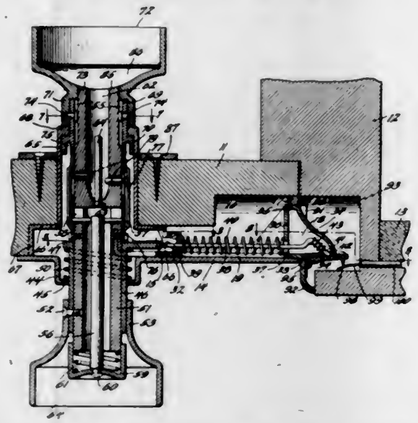
2,077,728

DOOR LOCK

Lewis J. Whitney, Springville, Utah

Application July 23, 1935, Serial No. 32,817

23 Claims. (Cl. 70—150)



1. A lock for a closure comprising a normally projected bolt member, means for retracting said bolt member including a reciprocatory and rotary spindle, a rollback on said spindle and cooperating with said bolt member, knobs associated with said spindle for imparting rotation thereto, a portion of the spindle normally projecting through one of said knobs, one of said knobs having slidable connection with said spindle with the other having fixed connection therewith, cooperative means associated with said rollback and bolt member disposable in cooperative relationship to prevent retraction of said bolt member upon reciprocation of said spindle by movement of its fixed knob or by force to the projecting portion of said spindle protruding from a portion of the other of said knobs, means to prevent reverse reciprocation of said spindle to release said bolt member for operation by rotation of either knob, means associated with said fixed knob capable of releasing said spindle for reciprocation and rotation, and key-operable means accessible through the other knob to effect similar release.

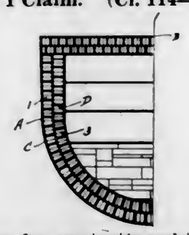
2,077,729

SHIP'S ARMOR

Ida M. Wilcox, Salt Lake City, Utah

Application April 1, 1935, Serial No. 14,093

1 Claim. (Cl. 114—12)



In a device for protecting ships, the combination of a layer of rows of hexagonal hollow units set one onto the other to form a completed lining for the ship; another layer of like units set adjacent the ends of the first row with the units staggered in relation to the first row and with the ends of all units sealed closed; helical springs mounted in the outside layer of units one in each unit with the large end of the spring inwardly toward the hull of the ship; curved deflector plates mounted onto the outer ends of the springs said plates having the outer rims curved outwardly; stopper lugs mounted in said units to retard the backward movement of the deflector plates when struck by a projectile; and resilient absorptive material carried in the inner row of units to dampen the explosive effects of a projectile and retard the inward movement thereof.

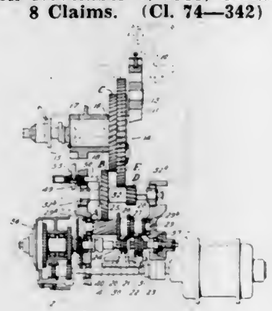
2,077,730

BALANCED HELICOIDAL CHANGE SPEED DRIVE FOR SHAPERS

William F. Zimmermann, Maplewood, N. J., assignor to Gould & Eberhardt, Newark, N. J., a corporation of New Jersey

Application November 7, 1935, Serial No. 48,680

8 Claims. (Cl. 74—342)



1. In a machine tool device the combination of a supporting frame structure; a member reciprocably mounted thereon; drive means for said member including a power source, a driving pinion, a driven gear and an intermediate slidable gear unit having a large gear adapted to mesh constantly with said pinion and a small gear adapted to mesh selectively with said driven gear, bearing means for supporting said driven gear at one side of its plane of rotation, bearing means for supporting said driving pinion at both sides of its plane of rotation; said slidable gear unit being journaled for free rotation and axial movement on an intermediate stub shaft; means for producing a balanced condition of the axial thrusts in said intermediate sliding gear unit comprising helicoidal gear teeth on all of said gears, the helix angle of the teeth of said pinion and its cooperating gear of said gear unit, and the helix angle of the other gear of said unit and its cooperative driven gear being proportioned with respect to their pitch diameters to produce equal and oppositely acting thrusts on said intermediate unit; manually operable means for sliding said intermediate gear unit selectively into and out of engagement with the teeth of said driven gear while maintaining said engagement with the teeth of said driving pinion; and means operatively connecting said driven gear with said reciprocable member to reciprocate said last mentioned member when said gear unit is in engagement with said driven gear.

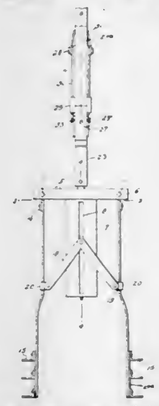
2,077,731

CHIMNEY SCRAPER

Albert J. Aaby, Rochester, Minn.

Application September 24, 1935, Serial No. 41,948

1 Claim. (Cl. 15—243)



A chimney scraper comprising a shell having slots in a pair of opposed sides thereof, a screw vertically disposed in the shell, operating means attached to the upper end of the screw, a cross bar provided with pintles at the ends thereof slidably disposed in said slots, a cap on the shell through which said screw is journaled, said cap ebeing elongated and extending beyond opposite sides of the shell, depending leg members pivotally connected at their upper ends to the end portions of the cap and having scraping members on the lower ends thereof, and links between the intermediate portions of said leg members and the pintles, said cross member provided with a threaded bore in which the screw is threaded.

2,077,732

WING SURFACE

Herbert Luther Adams, Washington, D. C.

Application November 22, 1932, Serial No. 644,567

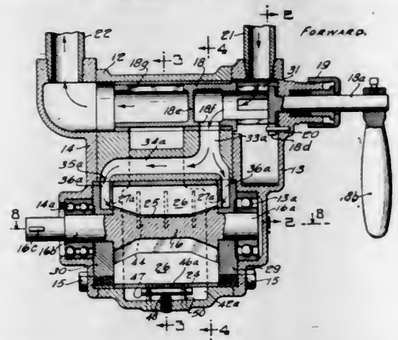
4 Claims. (Cl. 244—123)



1. In an aerofoil, a forward section comprising an outer curved sheet surface reenforced by a curved sheet of corrugated backing having its corrugations extending longitudinally of the

aerofoil, upper and lower sections extending rearwardly from the front section and each comprising an aerofoil surface sheet reenforced by a corrugated sheet of backing having its corrugations extending substantially at right angles to the corrugations in the front section, a tubular longitudinal frame with and connected to said aerofoil, means for securing said upper and lower sections to said front section, and means for securing said upper and lower sections together at their rear edges.

2,077,733
REVERSIBLE ROTARY MOTOR
Lester A. Amtsberg, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application August 13, 1935, Serial No. 35,920
3 Claims. (Cl. 121—87)



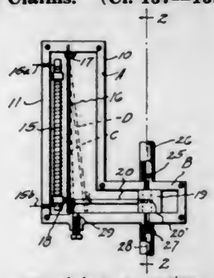
2. A rotary reversible fluid pressure motor comprising a casing, a cylinder in said casing, a rotor eccentrically mounted in said cylinder to provide a working chamber between the rotor and cylinder, said working chamber being of maximum width at its center and converging at its sides toward the ends of the working chamber, radially movable blades carried by the rotor and projecting into the working chamber, a pair of fluid chambers between the cylinder and casing, one at each side of the working chamber, one or more openings in the cylinder adapted to maintain said chambers in constant communication with each of the respective ends of the working chamber, selectively operable means including a throttle valve for simultaneously admitting live pressure fluid to one of the fluid chambers and exhausting the other fluid chamber and vice versa, whereby to drive the rotor in opposite directions, means for shortening the effective length of the exhaust side of the working chamber as compared with the power side, said means comprising a plurality of relief ports extending through the cylinder, each of said relief ports being at one side of the working chamber and situated nearer to the center thereof than any of said openings, said relief ports being adapted to communicate with the adjacent fluid chamber when the latter is connected to exhaust, and means for closing said relief ports when the adjacent fluid chamber is connected to live pressure fluid, the last-mentioned means comprising a relief valve of segmental cylindrical shape adapted to fit the outside of the cylinder and to cover said ports, said relief valve being arranged to move entirely out of engagement with the cylinder in response to pressure in said working chamber and to be held out of engagement therewith by the impingement of pressure fluid discharged through said ports, means for guiding the relief valve in its movement toward and away from the cylinder, said guiding means being supported by the casing, and a spring supported by the casing and contacting with said relief valve to urge the latter toward the cylinder.

2,077,734
GRILLE
Edward L. Anderson, Grosse Ile, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application December 26, 1934, Serial No. 759,176
18 Claims. (Cl. 98—101)



1. A grille comprising a frame, and a plurality of relatively spaced vanes arranged back of said frame, said vanes being relatively arranged to cooperate in forming a plurality of passageways for air, the vanes forming the passageways having their rear edges bent relatively outward and rounded to induce crowding of air into said passageways to increase the effective flow capacity of said passageways.

2,077,735
VALVE
Oakley K. Beckler, Dallas, Tex., assignor of sixty-five per cent to Grove W. Harris, Marshalltown, Iowa, and J. V. Bass, Omaha, Nebr.
Application March 11, 1935, Serial No. 10,499
6 Claims. (Cl. 137—139)

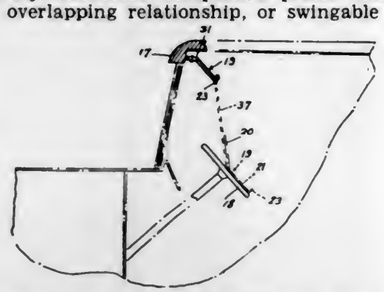


1. A valve comprising, a casing, a valve member movable in the casing, a bi-metallic element movable within the casing and connected with said member, an electrical coil located in juxtaposition to said element, means for energizing said coil to heat the element whereby said element is expanded to actuate the valve member, and means for retarding the bi-metallic element at a predetermined point in its movement, whereby said element is halted until it overcomes said retarding means, thereby imparting a snap action to the actuation of said valve member.

2,077,736
CONVERTIBLE AUTOMOBILE ACCESSORY
Frank C. Bowerman, Lake Williams, N. Dak.
Application October 31, 1936, Serial No. 108,675
7 Claims. (Cl. 296—97)

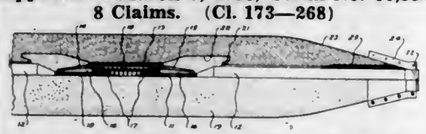
6. A device of the class described comprising, in combination, a relatively fixed stationary support, an accommodation fixture secured rigidly

to said support, said fixture including keeper means, and a multiple purpose unit detachably connected with said keeper means, said unit being made up of a pair of substantially duplicate hingedly connected companion plates foldable into overlapping relationship, or swingable into



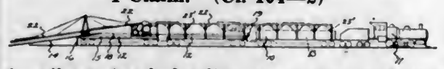
a plane substantially flush with each other, said unit being of such proportions when the plates are swung into the same plane as to permit attachment to a conventional automobile steering wheel in the manner and for the purposes described.

2,077,737
CABLE JOINT
Thomas F. Brandt, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application March 3, 1936, Serial No. 66,832
8 Claims. (Cl. 173—268)



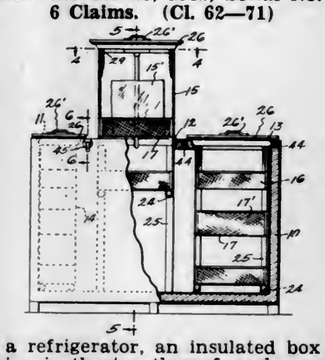
1. A cable splicer comprising an insulating sleeve, spring actuated means disposed within said sleeve for gripping a conductor and trip mechanism for releasably holding said gripping means in position to receive a conductor, said trip mechanism being releasable by a conductor inserted into position to be engaged by said gripping means.

2,077,738
APPARATUS FOR LOADING RAILS AND TIES
Ernest R. Breaker, San Antonio, Tex.
Application April 30, 1934, Serial No. 723,113
1 Claim. (Cl. 104—2)



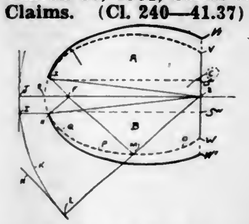
A railway track loading apparatus including, a railway flat car, an angular rail guide at one end of said car, a cable travelling within said guide for pulling rails onto the car through said guide, a superstructure built on said car, a pair of horizontal channel bars supported on said superstructure, an elongate inclined member extending from the end of the channel bars downwardly to the railway track, a belt conveyor within the inclined member and the channel bars, a common driving means for operating the conveyor and the cable, whereby rails and ties may be removed from the track simultaneously, a second railway flat car having stake pockets on its sides, a superstructure supported in said pockets, a pair of horizontal channel bars carried by the superstructure, said bars being in alignment with the channel bars of the first car to form a continuation thereof, a conveyor belt within the channel bars, a gear carried by the end of the bars on the first car and rotated by the travel of the belt conveyor, a similar gear carried by the end of the channel bars above the second car for driving the conveyor belt therebetween, and a pinion connecting the gears whereby the belts are operated simultaneously to form a continuous conveyor.

2,077,739
REFRIGERATOR
Roy B. Bryant, Dallas, Tex.
Application October 29, 1932, Serial No. 640,273
6 Claims. (Cl. 62—71)



1. In a refrigerator, an insulated box having an opening in the top thereof, and a receptacle normally within the box and movable through the box opening, means for actuating said receptacle to move the same, said receptacle being detachable from the actuating means for removal of the receptacle from the box.

2,077,740
REFLECTING SURFACE
Martha W. Caughlan, San Francisco, Calif.
Application March 30, 1934, Serial No. 718,229
2 Claims. (Cl. 240—41.37)

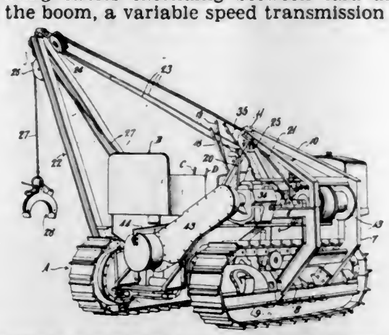


1. A reflector surface having a conoidal portion comprised between two substantially parallel planes, and adjacent thereto a right portion and a left portion, which portions are spaced apart throughout their length by said conoidal portion, said right and left portions formed of successively diminishing elliptic arcs, all of said portions having a common proximate focal point and the intersections of the respective portions having common tangents, said conoidal portion having an open conic curve in vertical section and is different from the curvatures of the right and left portions.

2,077,741
SIDE BOOM AND WINCH ATTACHMENT FOR TRACTORS
Harland W. Cardwell, Wichita, Kans., assignor to All Steel Products Manufacturing Company, Wichita, Kans., a corporation of Kansas
Application January 31, 1936, Serial No. 61,829
7 Claims. (Cl. 212—8)

1. The combination with a tractor, of a frame mounted on the tractor to extend transversely

thereof, a boom mounted on one end portion of the frame, a pair of drums mounted in parallelism on the remaining end portion of the frame, operating cables extending between said drums and the boom, a variable speed transmission unit

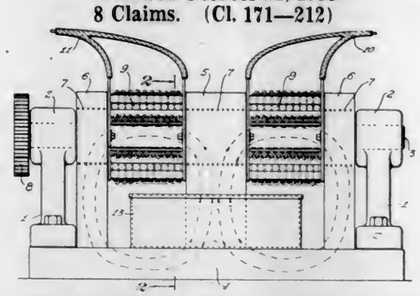


operatively connected to both of said drums with the longitudinal axis of the transmission unit arranged on a vertical plane extending between the said parallel drums, and a power take-off drive from the power plant of the tractor to said transmission unit.

2,077,742

HOMOPOLAR DYNAMO-ELECTRIC MACHINE

Pierre I. Chandeysson, St. Louis, Mo.
Application July 14, 1933, Serial No. 680,338
Renewed October 21, 1935
8 Claims. (Cl. 171—212)



1. In a homopolar dynamo-electric machine, a yoke and a plurality of core elements comprising an E-shaped field structure, said core elements having axially alined bores, a cylindrical rotor of substantially uniform diameter traversing said bores and mounted for rotation therein, and brushes mounted for sliding contact with the cylindrical surface of said rotor in the spaces between said core elements, said field structure being open laterally to provide free access to said brushes.

2,077,743

PROCESS OF WRAPPING LOAVES OF BREAD

Philippe J. Couture, Lewiston, Maine
Application July 5, 1935, Serial No. 29,877
2 Claims. (Cl. 99—172)

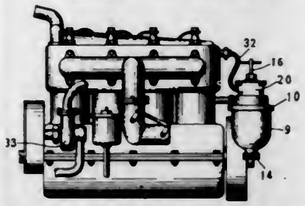


1. A package consisting of a loaf of bread and a wrapper comprising an inner layer of material, of less width than the girth of the loaf, that is so wrapped around the loaf as to leave a gap at the bottom, an outer layer of transparent material which overlies said inner layer of material and is double-lapped on the bottom.

2,077,744

FLUID FILTERING APPARATUS

Charles H. Cuno and Philip E. Ashton, Meriden, Conn., assignors to The Cuno Engineering Corporation, Meriden, Conn., a corporation of Connecticut
Application January 8, 1935, Serial No. 821
8 Claims. (Cl. 210—167)



1. Motor lubricating means including a filter and means actuated by the cooling system for cleaning the filter.

2,077,745

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, St. Louis, Mo., assignor to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application August 21, 1936, Serial No. 97,223
14 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent that is derived by replacing at least one polyhydric alcohol hydroxyl radical in a polyhydric alcohol ester of a detergent-forming carboxy acid by a combination of a sulfate radical and an ionizable hydrogen atom equivalent.

2,077,746

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, St. Louis, and Arthur F. Wirtel, Kirkwood, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application September 18, 1936, Serial No. 101,435
7 Claims. (Cl. 196—4)

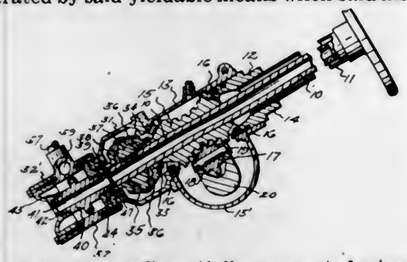
1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a polyhydric alcohol ether substituted alkylamine salt of an alkylated naphthalene sulfonic acid, in which at least one alkyl group substituted in the naphthalene nucleus contains at least three carbon atoms and not more than ten carbon atoms.

2,077,747

POWER STEERING MECHANISM

Morton H. Edmondson, Greenville, Tex.
Application October 8, 1934, Serial No. 747,394
4 Claims. (Cl. 180—79.2)

1. Automotive steering mechanism comprising, a steering shaft, a transverse rock shaft having a gear sector and a steering arm extending therefrom for operating connection with conventional steering gear, a worm mounted to rotate freely on said steering shaft and in mesh with said gear sector, a power arm on said rock shaft, a power cylinder having a piston therein connected with said power arm adapted to operate the arm under abnormal load conditions, differential driving connecting means between the steering shaft and said worm for rotating the worm thereby during normal load conditions, and yieldable means connected with the differential connecting means adapted to be operated under abnormal steering load conditions, valve mechanism adapted to be operated by said yieldable means when said means

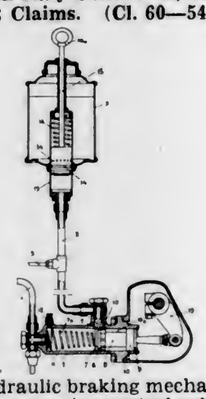


moves by the differentially connected steering shaft, means for normally circulating fluid through said valve mechanism and for building up pressure therein when it is operated by said yielding connection under abnormal steering loads, and means for directing the fluid under pressure in said valve mechanism to said power cylinder for operating the steering arm in either direction according to the operation of the steering shaft.

2,077,748

HYDRAULIC OPERATING MECHANISM FOR MOTOR VEHICLE BRAKES

Giovanni Farina, Turin, Italy
Application October 20, 1934, Serial No. 749,265
In Italy October 23, 1933
3 Claims. (Cl. 60—54.6)

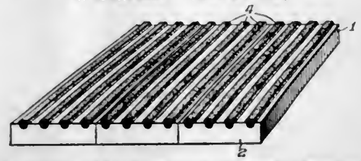


1. In a hydraulic braking mechanism, the combination with a master control cylinder, a master piston in said master cylinder and a reservoir for supplying the fluid to said master cylinder, of a pump cylinder arranged in the reservoir and in communication with said master cylinder in front of the master piston when said master piston is in non-operative position, said pump cylinder being provided with a port opening into the reservoir, a spring-pressed pump piston in said pump cylinder, said pump piston having an opening to provide communication between the reservoir and pump cylinder when said port and opening are in register, said pump piston having a bore therethrough from its upper to its lower side, and a free valve to close said bore when the pump piston is pressed downwardly and opening said bore when the piston is drawn upwardly.

2,077,749

PAVING CONSTRUCTION

Albert C. Fischer, Chicago, Ill.
Application August 21, 1933, Serial No. 686,059
5 Claims. (Cl. 94—5)

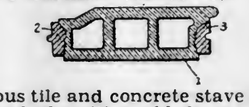


1. A paving block having a wear exposed surface provided with a series of recesses, and tread strips containing granular material inserted within the recesses and extending above the surface of the block and projecting laterally of the recesses at the upper surface of the block.

2,077,750

COMPOSITE VITREOUS TILE AND CONCRETE STAVE

Percy C. Fish, Kalamazoo, Mich.
Original application August 1, 1931, Serial No. 554,430. Divided and this application July 17, 1935, Serial No. 31,790
6 Claims. (Cl. 72—6)

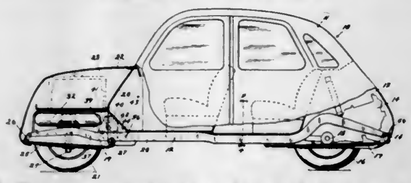


1. A vitreous tile and concrete stave comprising a tile base or body with molded concrete tongue and groove joint extensions.

2,077,751

VEHICLE BODY CONSTRUCTION

Carl W. Floss, Detroit, Mich.
Application January 14, 1935, Serial No. 1,736
18 Claims. (Cl. 280—106)



1. In a motor vehicle, a chassis having a frame provided with a sill of hollow cross section, means within the structural element for reinforcing the latter including a brace having one end permanently secured to one side of the sill adjacent one longitudinal edge thereof and having the opposite end secured to the opposite side of the sill adjacent the longitudinal median line of the latter side, and a cooperating brace located in a common plane with the brace aforesaid, said cooperating brace having one end secured to the first named side of the sill opposite the edge aforesaid and having the other end secured to the second mentioned side of the sill adjacent the longitudinal median line of the latter.

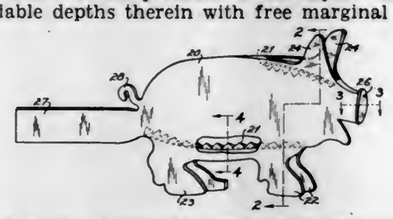
2,077,752

FORM FOR MAKING INFLATABLE ARTICLES

Robert R. Frissell, Sandusky, Ohio, assignor to The Barr Rubber Products Company, Sandusky, Ohio, a corporation of Ohio
Application February 28, 1936. Serial No. 66,271
17 Claims. (Cl. 18—41)

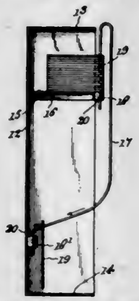
10. A form for use in the production of inflatable rubber articles by the dipping process, said form being composed of two layers joined together inside their margins and one or more spreaders

inserted between portions of the layers and at variable depths therein with free marginal por-



tions of the layers extending outwardly beyond the spreader.

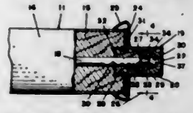
2,077,753
TOWEL CABINET
Elgin A. Hamner, Shreveport, La.
Application April 21, 1936, Serial No. 75,617
1 Claim. (Cl. 312—37)



In a towel cabinet, an upper clean towel compartment open at one side and having a shelf on which a stack of towels is adapted to be supported with the outer edge portions of the towels projecting slightly beyond said shelf, a lower soiled towel compartment, a captive rod for the towels having a vertical portion lying exteriorly of the upper compartment but close to the open side thereof adjacent one end wall, clamp means on the outer edge of the shelf for releasably holding the lower end part of the vertical portion of said rod, said stack of towels having registering eyes in corner portions thereof positioned to slide on said rod, said towels being folded along transverse off-center lines to produce enfolded upper portions offset from and exposing the eyes, said rod being bent downwardly from the upper end of said vertical portion and extended on a long diagonal sweep downwardly into the lower compartment, clamp means for affixing the lower end of the rod to an innermost part of the lower compartment and at a substantial height above the bottom thereof sufficient to suspend the towels in diamond suspension whereby the same will not collapse or fold.

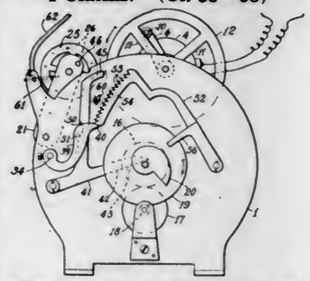
2,077,754
BRUSH ASSEMBLY FOR VACUUM CLEANERS AND THE LIKE
Rudolph Hemrich, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application June 8, 1936, Serial No. 84,213
2 Claims. (Cl. 308—20)

1. A bearing and shaft assembly, comprising a shaft having a reduced portion, a bearing having an axially extending bore therein for rotatably receiving the shaft and having an annular recess surrounding the reduced portion of the shaft, and means retained in the annular recess in the bearing and surrounding the reduced portion of the shaft for retaining the bearing in assembled relation with the shaft, said means in-



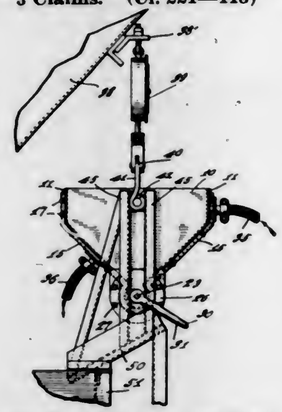
cluding a split washer having an internal diameter less than the maximum diameter of the shaft and greater than the diameter of the reduced portion of the shaft.

2,077,755
ELECTRICALLY OPERATED CLOCK
José Andrés y Hernandez, Habana, Cuba
Application August 9, 1935, Serial No. 35,525
4 Claims. (Cl. 58—38)



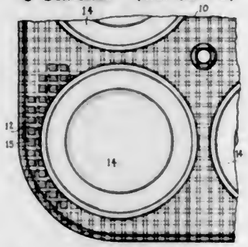
1. A strike controlling mechanism for electric clocks, including a continuously driven gear, a governing element mounted for swinging movement, a strike controlling gear carried by the element and movable with the element into driving cooperation with the continuously operated gear when the element is in operative position and free of such driving cooperation when the element is in inoperative position, a holding lever for maintaing the element in inoperative position, a weight arm for operating the holding lever in both directions, a controlling lever operated in one direction by the clock mechanism and movable by gravity in the opposite direction when free of the clock mechanism, a movable rack bar, a cam operated by the clock mechanism to determine the position of the rack bar in movement in one direction, a release trip connected to the weight arm and normally supporting the rack bar free of the cam, means on the release trip to be engaged by the controlling lever to move the release trip in the operation of the controlling lever by the clock mechanism to move the holding lever to a position to release the governing element and free the rack bar for cooperation with the cam, means on the controlling lever for maintaining the governing element in inoperative position immediately succeeding the release of the governing element by the holding lever, said controlling lever on release by the clock mechanism freeing the governing element for movement toward and into driving cooperation with the continuously operated gear, and a pawl operated by the signal controlling gear when in driving cooperation with the continuously operated gear to impart a step by step movement to the rack bar for controlling the time period during wihch the signal controlling gear is operated, the movement of the rack bar to a limit position permitting the release trip to be moved by the weight arm to a position beneath the rack bar, said movement of the release trip causing the weight arm to operate the holding lever to move the governing element to and maintain it in inoperative position.

2,077,756
STEAM-JACKETED ASPHALT BUCKET
John I. Hurst, Indianapolis, Ind., assignor to Hetherington & Berner Inc., Indianapolis, Ind., a corporation of Indiana
Application October 19, 1933, Serial No. 694,278
3 Claims. (Cl. 221—118)



1. In a device of the class described, a hopper, a longitudinally extending length of pipe disposed at the bottom of said hopper, said pipe being provided at its top with a longitudinal slot, said hopper having sloping walls joined to said pipe along opposite sides of said slot, a plurality of discharge nozzles extending downwardly from said pipe, an arcuate valve member mounted within said pipe and swingable about the pipe-axis to open and close the upper ends of said nozzles, and a steam jacket for said hopper, said jacket including a portion surrounding said pipe and said nozzles extending through such pipe-surrounding portion of said jacket.

2,077,757
BAKING PAN AND MATERIAL
Joseph G. Jackson, Oak Park, Ill., assignor to Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application August 17, 1936, Serial No. 96,376
6 Claims. (Cl. 53—6)



1. A sheet metal baking pan having a bottom stamped into alternate elevations and depressions, aligned in at least two directions.

2,077,758
TOOTH BRUSH
John Clifford Johnson, Glen Cove, and George H. Nenning, Bellmore, N. Y.
Application December 5, 1935, Serial No. 52,942
5 Claims. (Cl. 15—167)

1. A foldable toothbrush comprising a flattened one-piece body portion of fibrous material or the like adapted for folding, said body portion being provided with a scored intermediate section at the point of folding thereof, upstanding sides defining receptacles at the ends of said body portion, said receptacles both opening in the



same direction when in extended position, one being slightly larger than the other, whereby when folded the body portion of the larger of said receptacles constitutes a cover for the other receptacle, tooth-cleaning means in the latter, and means on said body portion for locking said toothbrush in folded position.

2,077,759
SIGN
William E. Joost, Oakland, Calif.
Application December 31, 1935, Serial No. 56,974
3 Claims. (Cl. 40—126)

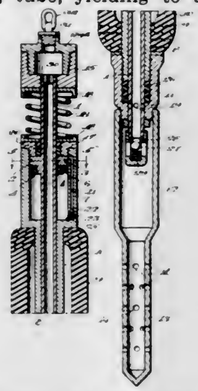


1. A display sign comprising a support, a pair of superposed plates each having in an edge thereof a notch in registry with the notch in the other plate to provide a recess, a lamp carried by said support and positioned in said recess to project light rays on to the exposed surface of each plate, a pair of reflectors enclosing said lamp and positioned to reflect light rays from said lamp on to the exposed surfaces of said plates, and light impervious characters spaced from and supported by each plate for obscuring portions of the illuminated surface thereof.

2,077,760
HYDRAULICALLY CONTROLLED SAND TESTING DEVICE
Sam Knoerr, Terrell, Tex.
Application August 6, 1935, Serial No. 34,867
6 Claims. (Cl. 166—1)

1. A sand testing tool including a sample receiving tube having normally closed ports in its lower end, a fluid chamber having a depending sleeve surrounding said tube and through which the latter is movable to open position by weight imposed thereupon, a piston carried by said tube and operative within said chamber to displace fluid therein whereby to retard the opening movement of said tube, means for relieving said fluid of restriction upon reverse movement of said sample receiving tube, spring means for effecting rapid movement thereof to closed position, a

normally closed valve below the ports in said sample receiving tube, yielding to a flushing fluid



through said tube, and expansible packing means surrounding the sleeve below said fluid chamber.

2,077,761

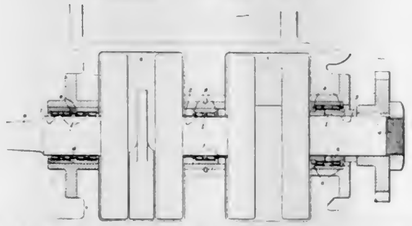
CRANKSHAFT SEAL

Karl Erik Kylén, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden

Application July 27, 1935, Serial No. 33,529

In Germany August 1, 1934

5 Claims. (Cl. 308—187.1)



1. A crank shaft seal for internal combustion engines operable with crank case compression, comprising in combination a crank case, a crank shaft and a series of antifriction rollers interposed between the crank case and the crank shaft, a stationary sealing member and a rotatable sealing member located laterally of said rollers and having surfaces engaging with and conforming to the shape of the end surfaces of the said rollers, there being a narrow annular space between the said sealing members located substantially at the height of the axes of the said rollers.

2,077,762

LUBRICATING COMPOUND

Carl E. Lauer, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application July 6, 1936, Serial No. 89,129

7 Claims. (Cl. 196—151)

1. A lubricant adapted for saturating railway car journal waste and for the lubrication of such journals comprising a blend of a dewaxed paraffin base residuum having a viscosity of over 700 seconds Saybolt universal at 210° F. and a large proportion of a distillate paraffin base lubricating oil having a viscosity of below 100 seconds Saybolt universal at 100° F., said blend having a viscosity in the range of from 150 to 350 seconds Saybolt universal at 100° F., said lubricant having the property of withstanding temperatures as low as —45° F. without waste-grabbing or waste-rolling, while affording adequate lubrication at elevated temperatures up to 300° F.

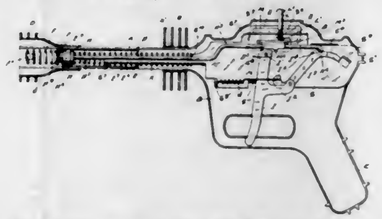
2,077,763

TOY GUN

Charles F. Lefever, Plymouth, Mich., assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan

Application March 11, 1935, Serial No. 10,553

5 Claims. (Cl. 46—10)



1. In a gun, an outer casing formed of complementary stampings including a barrel, a frame and handle of the gun, and an operating unit secured between said stampings comprising a plate having a U-shaped forward portion forming a guide and an inverted U-shaped portion at the rear also forming a guide offset from the aforesaid guide, a plunger, a plunger shank having a portion for traveling in the U-shaped guide and an offset rear portion for traveling in the inverted U-guide, a trigger pivotally attached to said plate below said offset portion of the shank, an inclined link pivotally attached at its lower end to said trigger and having at its rear portion a shoulder for engaging a downturned hook on the plunger shank, a helical spring surrounding said plunger shank, the latter being provided with an abutment for the rear end of said spring and an oblique flange on said plate in the path of the rear end of said link when moved rearward by the pulling of the trigger, being adapted to disengage the shoulder from the hook on the shank to permit the forward movement of the plunger under actuation of said helical spring.

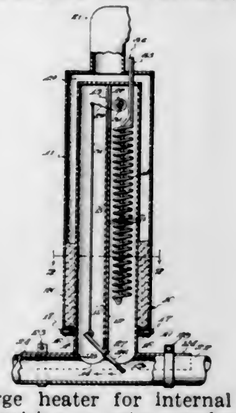
2,077,764

FUEL VAPORIZER

Thomas O. Liles, Detroit, Mich., assignor to Liles Fuel Vaporizer Corporation, Tyler, Tex., a corporation of Texas

Application February 10, 1936, Serial No. 63,284

3 Claims. (Cl. 257—246)



1. A charge heater for internal combustion engines comprising an outer member and an inner member with an air passage between said members; the inner member embracing a liquid fuel coil and communicating directly with the exhaust of the engine at one end providing for the passage therefrom of the exhaust gases, the fuel coil being disposed within the path of travel of said exhaust gases.

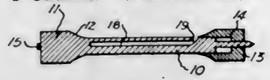
2,077,765

HAIR CURLING ROLLER

Antonino Mazzola, Beaumont, Tex.

Application July 25, 1935, Serial No. 33,032

5 Claims. (Cl. 132—33)



1. A hair curling roller including, an elongated shank having head portions of enlarged diameter at its ends and a transverse slot for receiving therein the end of a portion of hair to be waved, said slot extending from approximately head portion to head portion and having one end opening on the outer face of said shank.

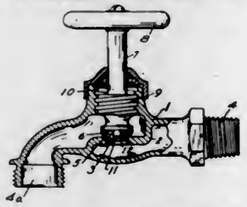
2,077,766

VALVE SEATING WASHER

Henry L. Mead, Erie, Pa.

Application November 9, 1935, Serial No. 49,072

6 Claims. (Cl. 251—46)



2. A device of the class described comprising a movable valve stem having a threaded bore, a headed projecting member disposed in said bore, an unbroken faced washer, and a resilient socket member disposed in one side of said washer, said socket member yieldingly engaging said headed projecting member to attach said washer to said stem but permitting rotatable movement of said washer on said headed member.

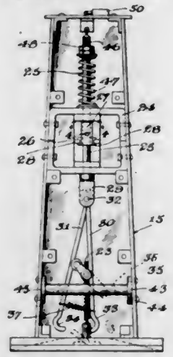
2,077,767

AUTOMATIC CHECKING OR COUNTING DEVICE

Matthew H. Morse, Jr., New Orleans, La.

Application September 20, 1935, Serial No. 41,455

3 Claims. (Cl. 235—99)



1. In an automatic checking device wherein a rockable operating member actuates a counter through interconnecting means, the combination as a part of said interconnecting means of two movably mounted hooks adapted to engage said rockable operating member from opposite sides, and means positioned relatively to said hooks for selectively moving one or the other hook out of operative engagement with said operating member.

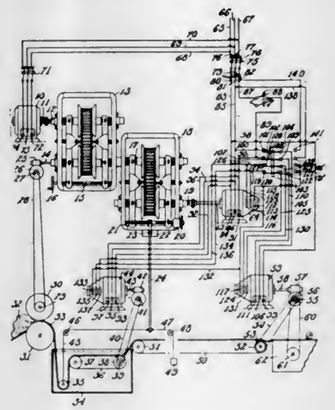
2,077,768

SYNCHRONOUS DRIVE

William R. Perry, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana

Application February 3, 1934, Serial No. 709,569

7 Claims. (Cl. 172—293)



1. In combination, a source of polyphase electric current, a frequency generator, means for driving said generator, a synchronous rotary induction machine, means electrically connecting the secondary windings of said generator with the secondary windings of said induction machine, at least three wires connecting the primary windings of said generator with said source, a switch controlling two of said wires, an electromagnet adapted, upon energization, to move said switch to closed position, a second switch controlling at least one other of said wires, a second electromagnet adapted, upon energization, to move said second switch to closed position, means connecting the primary windings of said induction machine with said wires at points separated from said source by said switches, a circuit for energizing said first electromagnet, a third switch in said last-named circuit, a circuit for energizing said second electromagnet, and a fourth switch in said last-mentioned circuit, said fourth switch being normally open and being controlled by a third electromagnet energizable to move the same to closed position only upon closure of said third switch by energization of said first electromagnet.

2,077,769

PIPE COUPLING APPARATUS

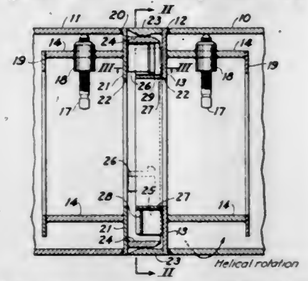
William R. Postlewaite, San Francisco, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

Application June 24, 1935, Serial No. 28,094

9 Claims. (Cl. 285—1)

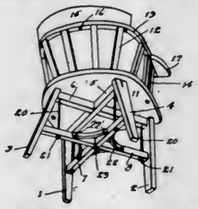
1. A coupling for temporarily securing together sections of pipe comprising a pair of plugs adapted to engage the pipes, complementary means

on said plugs to align the same, and means fixed with regard to said complementary aligning



means for transmitting a torque in either direction from one plug to the other.

2,077,770
CHAIR
Abraham Provisor, Winnipeg, Manitoba, Canada
Application August 11, 1936, Serial No. 95,412
2 Claims. (Cl. 155—196)



2. In a knock down chair construction, a flat seat member, a lower supporting framework for the seat member comprising corner legs oppositely connected by upper and lower sets of cross bars and each set of cross bars centrally and complementarily notched to interlock at right angles and occupy the same horizontal plane, removably secured re-enforcing bars diagonally connecting the lower cross bars, releasable fastening means passing through the seat and the upper and lower cross bars to secure said lower framework to said seat, an upper framework comprising a U-shaped horizontal railing elevated above the seat and spaced therefrom by vertical slats, the ends of said slats being received by both the seat and the said railing, releasable fastening means connecting the railing and the seat to secure the upper framework to the seat, side blocks fastened to the ends of the U-shaped railing, flush therewith, to provide wide arm rests, and a curved block fastened to and extending upwardly from the curved portion of the U-shaped railing to provide a wide back rest.

2,077,771
APPARATUS FOR PRODUCING GRINDING WHEELS
Walter S. Rae, Pittsburgh, Pa.
Application June 16, 1932, Serial No. 617,681
6 Claims. (Cl. 154—1)

6. A machine for producing a grindstone body from fibrous material and an abrasive substance comprising a thread winding mechanism including pressure disks, means for delivering the abrasive substance to said winding mechanism, and pressure means for progressively embedding the abrasive substance into the thread being wound, said pressure means including a supporting frame having a detachable pressure plate engageable with said body, a slidable block structure supporting said frame, a driving screw, means carried by said block engageable with the screw and operable to effect longitudinal adjustment of the block with respect to the screw and move said

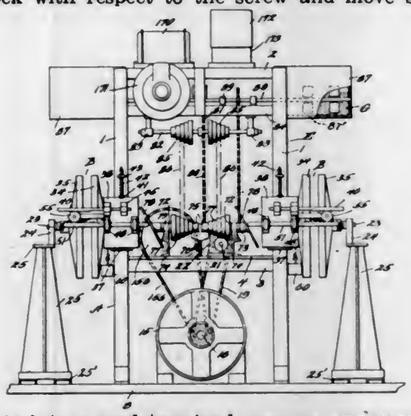


plate into a predetermined pressure engagement with said body, additional means for adjusting said pressure plate laterally with respect to said body, and driving means adapted to simultaneously and positively operate said winding mechanism and pressure means.

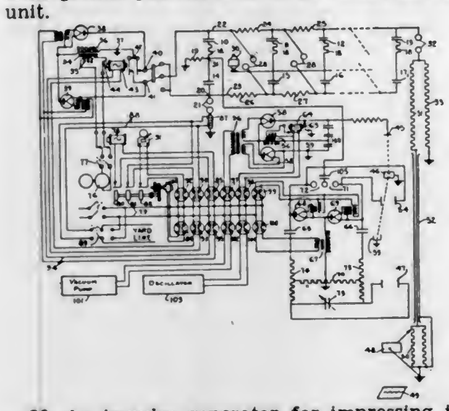
2,077,772
PATTERN
Ella E. Ring, New York, N. Y.
Application December 9, 1935, Serial No. 53,567
8 Claims. (Cl. 33—13)



1. In a garment pattern, pattern pieces perforated on opposite seam lines, the perforations of one seam line alternating in location with those in the opposite seam line, so that the perforations in one seam line lie opposite to the interperforation spaces of the opposite seam line, between which pattern pieces fabric may be inserted so as to accommodate a threaded insertion which is guided by the perforations for sewing into the fabric along the seam line without causing the threaded insertion to engage the pattern pieces, which can readily be removed from the fabric after the sewing is finished.

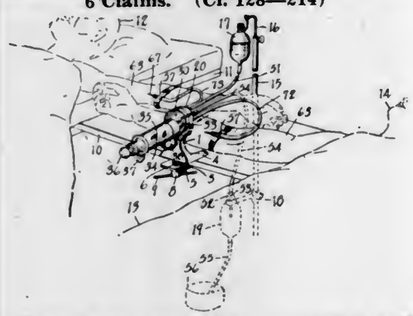
2,077,773
IMPULSE GENERATOR
Harold L. Rorden and Paul M. Ross, Barberton, Ohio, assignors to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application May 8, 1936, Serial No. 78,720
20 Claims. (Cl. 175—183)

1. In combination a capacitor unit having one terminal insulated from ground and having the other terminal thereof connected to ground through an impedance having a time constant, means for charging said unit and means for connecting said insulated terminal to ground while said unit retains its charge to shift the potential of the other said terminal momentarily away from ground potential due to the charge in said unit.



20. An impulse generator for impressing impulse voltage on a test piece, said generator comprising a plurality of capacitors, arcing gaps separating said capacitors into groups and adapted to connect said capacitors in series when discharge occurs across said gaps, an arcing gap interposed between one terminal of said series and ground, and means for inducing discharge across said arcing gap to ground said terminal and precipitate discharge of said generator, said last named means comprising a source of alternating current, means for connecting said source of alternating current with said test piece to impress on said test piece alternating voltage from said source, and means for gradually charging the capacitors to raise the voltage thereof to a point where discharge will occur across said grounding gap on the crest of a wave impressed upon said gap by said source of alternating current.

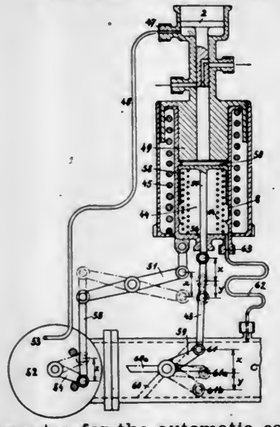
2,077,774
TRANSFUSION APPARATUS
Fred F. Rudder, Jacksonville, Fla.
Application February 19, 1934, Serial No. 711,946
6 Claims. (Cl. 128—214)



2. Transfusion apparatus comprising a first valve member and a second valve member, one of said valve members being stationary and the other a rocking one, said first valve member having a central bore and a plurality of bores parallel with the axis thereof to serve as straight blood and saline passages, said second valve member coacting with said first valve member and having a central bore, and a straight syringe hole parallel to the axis thereof for selective registry with said passages to provide a straight passage, a shaft keyed to the central bore of one of said valve members and having a connection with the central bore of the other of said valve members of the "ball and socket" type so that the contacting faces of the valve members are self-seating, a spring disposed on said shaft for longitudinal movement and having radial arms for engaging the valve member which is opposed to the one having the "ball and socket" connection to said shaft to hold said valve members in cooperative relationship, a nut threaded to said shaft and coacting with the hub of said spring for holding said arms in engagement with said valve member, and means for limiting the rocking movement of the rocking valve member relative to the stationary valve member.

6. Transfusion apparatus comprising an upper saline vessel, a lower waste vessel a syringe valve located at a level between said vessels and having blood and saline inlets and outlets, means connecting said upper saline vessel to said saline inlet, tubing connected to said saline outlet and terminating within the waste vessel, and a discharge connected to the bottom of said waste vessel.

2,077,775
METHOD FOR THE AUTOMATIC CONTROL OF THE POWER OUTPUT OF AIRCRAFT ENGINES
Emil Schimanek, Budapest, Hungary, assignor to the firm Societe du Carburateur Stratos, Paris, France
Application September 28, 1934, Serial No. 745,973
In Germany September 30, 1933
6 Claims. (Cl. 137—153)

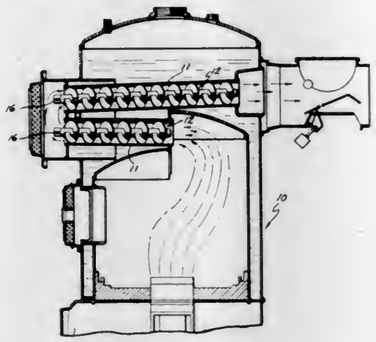


1. Apparatus for the automatic control of the power output of aircraft engines for greater altitudes, including a pressure-sensitive regulating organ which is at all altitudes on the one side under the influence of a constant gas or fluid pressure, and on the other side subjected to a constant gas pressure to be kept constant and an approximately constant spring pressure.

2,077,776
INSERT FOR BOILER AND HEATER FLUES
Edmund Schmitt, Stratford, Conn.
Application December 13, 1935, Serial No. 54,180
4 Claims. (Cl. 138—38)

1. An insert for a gas flue of a heater comprising semi-disc like connected members arranged in two sets of spaced members on opposite sides

of an axis, said members being also arranged inclined to the axis and with those in one set inclined in the opposite direction to those of the

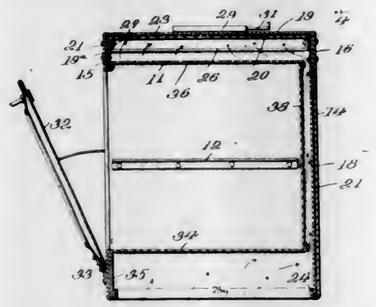


other set and with the ends of each member in alignment with spaces between two members on the opposite side of the axis.

2,077,777

OIL BURNER OVEN

James Noah Stanley, Graham, N. C.
Application January 27, 1936, Serial No. 61,069
2 Claims. (Cl. 126—275)

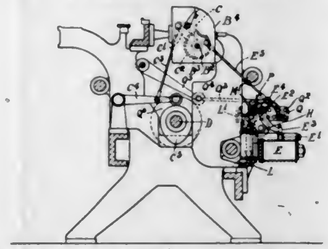


1. An oven comprising an outer casing having an opening in the front wall thereof, a door for closing said opening, said casing having an opening at the bottom thereof to receive heated gases and having a relatively small opening in the top wall thereof to permit the heated gases to escape, an inner casing disposed within the outer casing and having the front ends of the walls thereof bent to interfit and interlock with bent portions of the front wall of the outer casing whereby to provide a seal around the door opening to prevent heated gases from passing into the inner casing, and a baffle plate located in the space between the top of the inner casing and the top of the outer casing and having three edges thereof attached to the outer casing, the fourth edge of said baffle terminating short of the wall of the outer casing remote from the opening in the top wall thereof whereby the heated gases passing upwardly between the side and rear walls of the inner and outer casings are caused to pass across the top wall of the inner casing before passing above the baffle and escaping through the relatively small opening in the top wall of the outer casing.

2,077,778

STRAIGHT-BAR KNITTING MACHINE

Harry Wilfred Start, Nottingham, England, assignor to George Blackburn and Sons Limited, Nottingham, England
Application September 4, 1936, Serial No. 99,473
In Great Britain September 3, 1935
4 Claims. (Cl. 66—82)

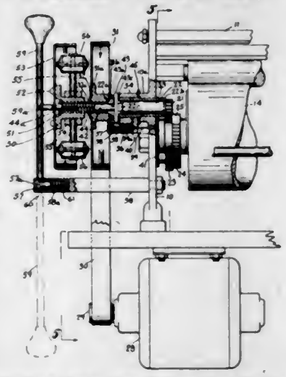


1. In a straight-bar knitting machine, electro-mechanical means for automatically adjusting a cam roller or other adjustable part comprising in combination, a cam on a running shaft, a cam lever which can slide on its pivot and is also adjustable about the said pivot in order that its anti-friction roller which is normally clear of the cam can be moved into the path of the latter, an electro-magnet for effecting this movement when excited, a supplementary member which is moved at the same time as the cam lever, means for connecting this supplementary member to a cam roller or other member to be adjusted, means which are adapted to hold the secondary member in the position to which it is moved by the cam and subsequently releasing it by a second movement of the cam lever, and means for switching the current on to the electro-magnet at the required periods, substantially as described.

2,077,779

REVERSIBLE DRIVE FOR DUPLICATORS

Frederick W. Storck, Arlington, Mass., assignor to Standard Mailing Machines Company, Everett, Mass., a corporation of Massachusetts
Application July 24, 1935, Serial No. 32,886
9 Claims. (Cl. 101—132)



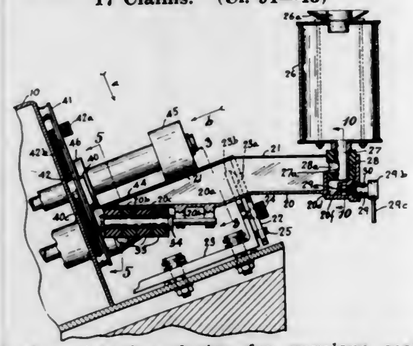
1. A duplicating machine having a master printing platen with means for securing a master copy thereto, said platen being adapted for continued rotation with a dwell period in its cycle of operation, a gear train for actuating said platen, a drive shaft directly connected to a member of said gear train, a freely rotatable primary drive member mounted on said shaft and adapted for

continuous rotation, clutch elements slidably supported by said shaft, means to actuate said clutch elements to engage said shaft and said second member in driving relation, means urging said clutch elements to their normal disengaged position and operable upon release of, and independent of, said first means; a hub slidably keyed to said shaft and having a flange integral therewith, radially stationary rotatable elements disposed between said flange and the side face of said primary member and at substantially right angles thereto, said rotatable elements being normally spaced apart from said flange and primary member with means for engaging said last elements in a driving relation and whereby said flange member and shaft are conversely rotated relative to said primary drive member.

2,077,780

ENVELOPE FLAP MOISTENING DEVICE

Frederick W. Storck, Arlington, Mass., assignor to Standard Mailing Machines Company, Everett, Mass., a corporation of Massachusetts
Application August 28, 1936, Serial No. 98,316
17 Claims. (Cl. 91—43)



1. A moistening device for envelope sealing machines having a moistening arm with an air-locked fluid chamber and a fluid outlet passage of restricted size such that fluid will not flow normally therefrom when said chamber is air-locked, with means for engaging an envelope flap with said outlet passage to draw fluid therefrom; in combination with a second chamber adjacent said first chamber and having an opening communicating therewith with means for obstructing said communicating opening, an adjustable air breather valve communicating with said second chamber and an air-locked fluid supply communicating with said second chamber.

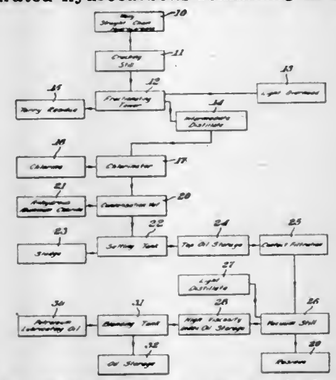
7. An envelope sealing machine having feeding means for advancing an envelope, said feeding means including opposed sets of coacting feed rollers mounted on opposed parallel shafts, one of said sets of rollers being of a larger diameter than its opposed set of rollers.

2,077,781

LUBRICATING OIL

Le Roy G. Story, Glenham, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 1, 1934, Serial No. 737,961
3 Claims. (Cl. 196—78)

1. The method of producing a synthetic lubricating oil which comprises mildly cracking a waxy hydrocarbon material containing primarily saturated hydrocarbons at temperatures within the range of 750–1100° F. and at pressures below 100 pounds per square inch to produce a product containing a substantial proportion of unsaturated hydrocarbons, separating a heavy distillate oil containing a substantial proportion of unsaturated hydrocarbons from the cracked product, chlorinating the heavy distillate oil by passing chlorine therethrough at slightly elevated temperatures to produce substitution compounds of saturated hydrocarbons remaining in the distillate oil separated from the cracked product, condensing the chlorinated oil in the presence of a metallic halide condensation catalyst at temperatures within the range of 50–125° F. for about 18–24 hours, and separating a synthetic lubricating oil of high viscosity index from the condensation product.



2,077,782

METHOD OF DECORATING FABRIC

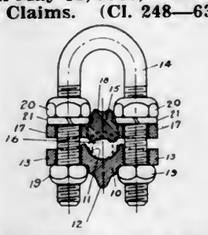
Kipeni Su'a, Honolulu, Territory of Hawaii
No Drawing. Application September 20, 1935, Serial No. 41,501
3 Claims. (Cl. 41—26)

2. The method of decorating fabric by tapa printing or the like which consists in applying a weak mixture of paste to a surface having a design, covering the design with a fabric, rubbing the outer surface of the fabric with an element carrying a fluid carrying the design color until the registry of the design is accomplished and immediately removing the said fabric from the design.

2,077,783

CABLE SUPPORT

John J. Taylor, Wadsworth, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of Ohio
Application May 31, 1935, Serial No. 24,315
8 Claims. (Cl. 248—63)



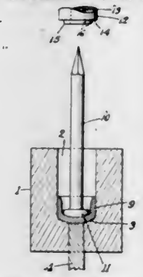
4. A conductor support comprising a seat member and a keeper piece each having a pair of perforations therethrough, a pair of bolts each extending through one of the perforations in said seat member and keeper piece, a pair of nuts on each of said bolts for pressing said seat member and keeper piece together to grip the cable

therebetween, means for supporting said bolts with the keeper piece above the seat member, said seat member having means for cooperating with the lower one of each of said pair of nuts to lock said nuts against rotation, said seat member being movable to a position to permit rotation of the lower nuts of each pair and into operative position in which said nuts are locked against rotation, the upper nuts being arranged to press said keeper piece and the cable held by said support downwardly upon said seat to grip said cable and to hold said seat in the position in which the lower nuts are locked against rotation.

2,077,784
PROCESS OF MANUFACTURING NAILS

Elbert D. Tripp, Chicago, Ill., assignor to Albert J. Deniston, Jr., Chicago, Ill.

Application March 25, 1936, Serial No. 70,742
10 Claims. (Cl. 10—161)



1. The process of forming and positioning a sealing head of relatively soft material upon a nail of relatively hard material which nail has a shank and a head, which process includes the following steps: Forming a piece of soft material having substantially the physical properties of lead of suitable size, shaping such piece into a cup-like member, with a curved exterior surface and a curved interior surface, positioning the head of the nail in said cup-like member, the sides of the cup extending beyond the nail head toward the point of the nail, depressing said sides of the cup, distorting, reshaping and flowing the sides of the cup inwardly toward the under surface of the nail head to surround it.

2,077,785
PROCESS OF REMOVING RUBBER MATERIAL FROM METAL

George B. Watkins, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

No Drawing. Application May 14, 1934, Serial No. 725,574
1 Claim. (Cl. 87—5)

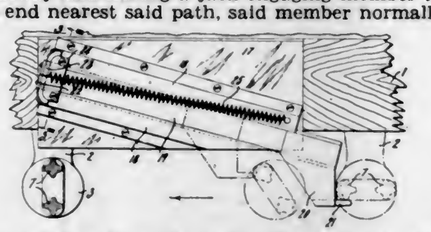
The process of removing rubber from metal which has been bonded thereto by vulcanization, consisting in immersing the rubber and metal in a bath of lubricating oil, and maintaining said bath of oil at a temperature of approximately 250° to 300° F. for a period of about 36 hours.

2,077,786
ARTICLE ASSEMBLING CONVEYER MECHANISM

Harry F. Lewis, Hamden, Conn., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

Application July 26, 1935, Serial No. 33,235
10 Claims. (Cl. 12—1)

10. In a footwear making conveyer, a series of rotatable footwear lasting jacks movable in a fixed path by the conveyer, resiliently held detents for retaining each jack in any one of a plurality of rotated positions, a slideway having one end adjacent the path of said jacks, said slideway being inclined away from said path in the direction of travel of the jacks, a slide movable in said slideway and having a jack engaging member at its end nearest said path, said member normally

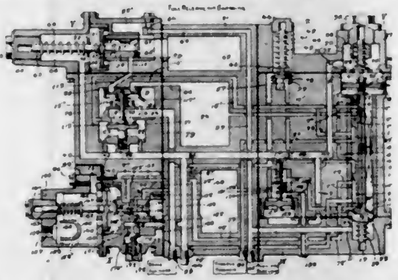


being disposed in the path of said jacks and adapted to engage the advance portion of an approaching jack, whereby on movement of the slide by the jack the latter is turned from one rotated position to a succeeding one, and a spring attached to said slide for returning said member to position for engaging a succeeding jack.

2,077,787
AIR BRAKE MECHANISM

Alva L. Goodknight, Fort Worth, Tex.

Application September 8, 1934, Serial No. 743,172
13 Claims. (Cl. 303—27)

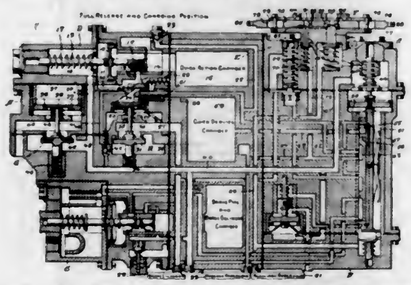


1. In an automatic air brake, in combination, a brake pipe, a brake cylinder, an auxiliary reservoir, and a triple valve device operative upon an emergency reduction in brake pipe pressure to equalize the auxiliary reservoir with the brake cylinder, and automatic means for then connecting the brake cylinder to the brake pipe whereby, the equalized pressure is reduced to a predetermined value in a series of steps into the brake pipe to facilitate prompt release.

2,077,788
AIR BRAKE MECHANISM

Alva L. Goodknight, Fort Worth, Tex.

Application December 12, 1935, Serial No. 54,137
13 Claims. (Cl. 303—27)

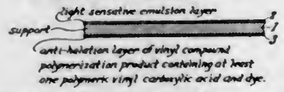


1. In an air brake, in combination, a brake pipe, a quick action chamber, a reserve reservoir, a brake cylinder, an emergency valve and piston therefor, subjected to brake pipe pressure and a constantly coacting spring on one side, and subjected to quick action chamber pressure on the other side, and means operated by said emergency valve with quick action chamber pressure to connect the reserve reservoir with the brake cylinder.

2,077,789
ANTIHALATION LAYER

Max Hagedorn and Adolf Jung, Dessau, and Gustav Wilmanns, Wolfen Kreis Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application March 28, 1935, Serial No. 13,447
In Germany March 31, 1934
5 Claims. (Cl. 95—8)

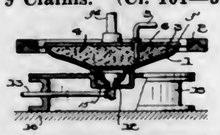


5. A photographic plate or film comprising a support bearing on one side a light sensitive emulsion layer and on the other side an anti-halation layer comprising a vinyl compound polymerization product containing at least one polymeric vinyl carboxylic acid and a dye.

2,077,790
METHOD OF AND APPARATUS FOR PRINTING ON CURVED FACED BODIES

Ichiro Hakogi, Higashi Yoshino-cho, Higashi-ku, Nagoya, Japan

Application April 27, 1935, Serial No. 18,499
In Japan July 25, 1934
9 Claims. (Cl. 101—35)



1. In a device for the purpose described, a supporting ring, a flexible and elastic blanket carried by said ring, a presser member vertically reciprocable above said blanket and having a highly elastic cushion adapted to engage and depress said blanket, and a suction pipe extending downwardly through said presser member, said blanket having an opening therein registering with the lower end of said pipe upon depression of the presser member.

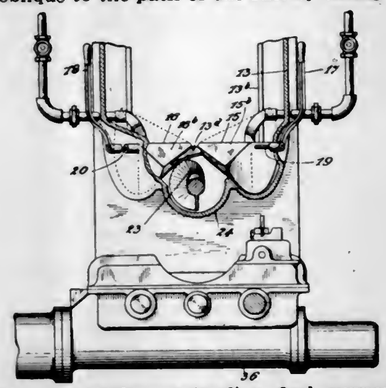
7. That method of offset printing upon curved faced bodies which consists in stretching an elastic offset blanket above the body, producing pressure on the upper side of said blanket by an elastic medium, and exhausting the air from between the object and blanket.

2,077,791
STOKER

William Thompson Hanna, Cincinnati, Ohio

Application November 6, 1928, Serial No. 317,621
Renewed January 24, 1935
12 Claims. (Cl. 110—101)

12. In a stoker mechanism, the combination with a fire box having a firing opening, of a conduit for conveying fuel from a source of supply to the firing opening, means for moving fuel therethrough to the firing opening, and means for distributing fuel fed through said opening over the fire; and fuel directing means interposed between said fuel moving means and said fuel distributing means and located beneath the path of the fuel, said means being adjustable on an axis oblique to the path of the fuel by tilting and

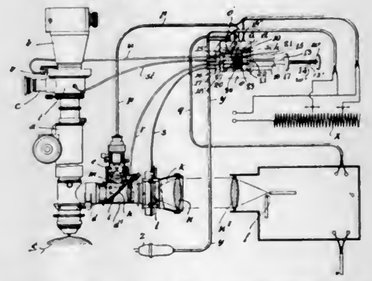


having an angular protruding fuel supporting surface, the angle of which with respect to the horizontal is changeable by tilting the said means to change the direction of the flow of fuel to said distributing means.

2,077,792
ILLUMINATOR ATTACHMENT FOR MICROSCOPES

Hermann Heine, Wetzlar, Germany, assignor to Ernst Leitz, Optische Werke, Wetzlar, Germany

Application December 30, 1932, Serial No. 649,469
In Germany January 2, 1932
1 Claim. (Cl. 88—40)



In an attachment for illuminating microscopes combined with a camera, a source of a weak light for illuminating the object to be observed through the microscope, and a source of strong light for taking pictures of the object observed, an adjustable mirror between the two light sources reflecting the light rays of the source of the weaker light at an angle of about 45° in the direction of the microscope and simultaneously obstructing or obturating the rays of the source of stronger light, means to alternately cut said light sources in and out by the operation of said mirror, and a control means therefor comprising a box, a rail on said box, contacts in said rail connected to the said light sources, a movable contact piece having a contact finger in said box, means to alternately bring said contact finger in and out of contact with said contacts to close either the circuit in which the source of the weaker light is located, or the circuit in which the source of the stronger light is located, shut-

ters in the camera and in front of the source for the stronger light, to be operated by the operation of said contact finger operating means, a plurality of spring controlled pull rods in said box one of said rods connected to the mirror and the others connected to the shutters, said rods adapted to be operated by said means operating said contact finger to operate said mirror to alternately reflect the rays from the source of weak light and obturate the light rays from the source of stronger light.

2,077,793

REFRACTORY MORTAR COMPOSITION

Frederic A. Harvey and Raymond E. Birch, Pittsburgh, Pa., assignors to Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application November 24, 1934, Serial No. 754,682
10 Claims. (Cl. 106—9)

1. A refractory mortar containing a major proportion of olivine, and a minor proportion of bonding material comprising an admixture of colemanite, sodium silicate, kaolin and flint, and characterized by resistance to reaction in contact with silica, chrome, magnesia and alumina refractories at high temperatures.

2,077,794

REFRACTORIES

Frederic A. Harvey and Raymond E. Birch, Pittsburgh, Pa., assignors to Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 4, 1935, Serial No. 24,988
5 Claims. (Cl. 106—9)

1. A refractory material comprising about 5 to 50 per cent of olivine of high magnesium orthosilicate content, and the remainder substantially all chrome ore.

2,077,795

REFRACTORIES

Frederic A. Harvey and Raymond E. Birch, Pittsburgh, Pa., assignors to Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 13, 1935, Serial No. 26,520
15 Claims. (Cl. 106—9)

1. That method of making forsterite refractory of improved character which comprises the steps of grinding forsterite material to provide coarse granules, and mixing therewith magnesia-rich material containing from about 3 to about 30 per cent of lime in an amount sufficient to provide at least about 0.8 per cent and not to exceed about 6 per cent of lime.

2,077,796

CHROME ORE REFRACTORIES

Frederic A. Harvey and Raymond E. Birch, Pittsburgh, Pa., assignors to Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application July 16, 1935, Serial No. 31,728
20 Claims. (Cl. 106—9)

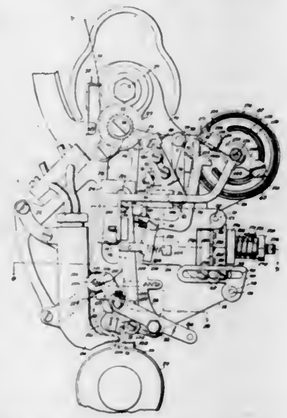
1. A refractory comprising more than about 50 per cent of chrome ore, at least about 10 per cent of olivine, and magnesite in amounts from one-fourth to four times that of the olivine.

2,077,797

EYELET ROW TAPING MACHINE

Raymond J. Holmes, Lynn, Mass.

Application January 5, 1933, Serial No. 650,288
41 Claims. (Cl. 12—51)



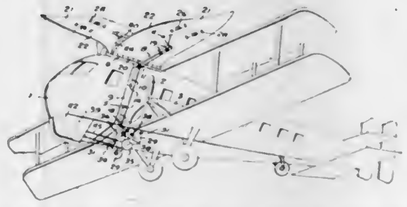
1. A tape-applying machine having, in combination, tape-applying mechanism, tape-severing mechanism, means under the control of the operative for throwing the tape-severing mechanism out of operation, and mechanism rendered active in throwing the severing mechanism out of operation for automatically throwing the severing mechanism into operation.

2,077,798

RECIPROCATING WINGED DEVICE FOR AIRPLANES

Martin Jelalian, New York, N. Y.

Application August 27, 1936, Serial No. 98,182
1 Claim. (Cl. 244—11)



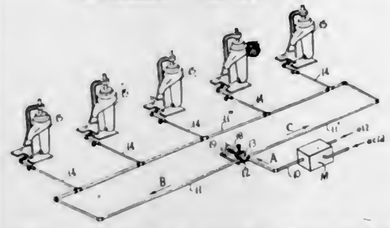
In an airplane, a cabin, a U-shaped slide support member surrounding and secured to the forward portion of the said cabin, a rectangular top frame member integrally connected to said U-shaped member, reciprocating wings hingedly connected to said rectangular frame member and extending outwardly laterally therefrom, pulley supporting arms integrally connected to and projecting outwardly from said U-shaped member at a position centrally beneath said wings, slide members on said U-shaped slide support member, pulleys supported in said arms, means extending transversely beneath said cabin, cables connected to said shaft means, slides, pulleys and wings for reciprocating the wings, a motor enclosing housing at the forward end and beneath said cabin, a motor geared to said shaft means supported centrally in said housing whereby the shaft means may be rotated and the wings reciprocated.

2,077,799

PROCESS AND APPARATUS FOR THE SEPARATION OF SLUDGE FROM A LIQUID

Leo D. Jones, Philadelphia, Pa.

Application May 16, 1934, Serial No. 725,876
9 Claims. (Cl. 196—40)



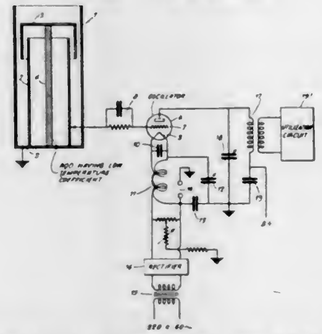
1. In the chemical treatment of oils, the method which comprises passing an oil and a reagent to a mixing zone, intimately admixing oil and reagent in said mixing zone to produce a sludge suspended in the oil and adapted to be separated therefrom by subsidence, and continuously impelling the suspension of sludge in oil alternately at timed intervals through two interconnected parallel conduits to parallel subsidence separating zones.

2,077,800

FREQUENCY CONTROL TRANSMISSION LINE

Fred H. Kroger, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 5, 1935, Serial No. 5,058
7 Claims. (Cl. 178—44)



4. A resonant transmission line having vertically arranged inner and outer concentric tubular conductors conductively coupled together at their lower ends, a sleeve at the upper end of said inner conductor and having metallic walls extending below and above the last end of said inner conductor, and a rod of very low temperature coefficient located within and extending through the length of the inner conductor for supporting said sleeve, said rod being so arranged that the overall length of the inner conductor and sleeve is maintained substantially constant despite changes in temperature of the atmosphere.

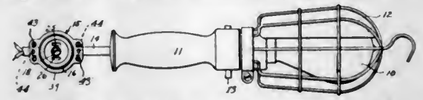
2,077,801

ELECTRIC OUTLET FOR PORTABLE ELECTRIC LAMPS AND OTHER FIXTURES

Louis Ludwig, Brooklyn, N. Y.

Application June 30, 1936, Serial No. 88,084
3 Claims. (Cl. 173—334)

1. An outlet of the class described comprising two co-acting insulating parts; a recess formed between the inner faces of said parts; two oppositely-disposed semi-circular seats formed in each of the parts to form circular openings for the reception of an electric cord; sockets extending from said center recess and terminating in rectangular openings for the reception of the contact prongs of an electric connector; spring contacts



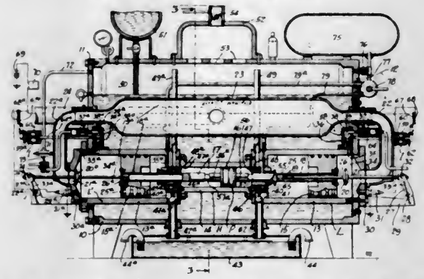
contained in the said sockets; each of said contacts having a part extending across the center recess to which parts the electric wires of the cord on which the device is attached may be secured; means for clamping the two parts together; and a clamp extending around the outlet for clamping the wires secured thereto to prevent their displacement.

2,077,802

MOTOR COMPRESSOR

Charles B. Martin, Los Angeles, Calif.

Application November 2, 1936, Serial No. 108,778
15 Claims. (Cl. 230—56)



1. A motor-compressor comprising a plurality of low pressure cylinders having combustion chambers, and a high pressure cylinder interposed therebetween in co-axial relationship thereto; a piston unit including pistons working in the cylinders, and a rod operatively connecting the pistons; means by which fuel is adapted to be supplied to the combustion chambers of the low pressure cylinders; means for igniting fuel in the combustion chambers to effect reciprocation of said unit; means by which said cylinders are adapted to co-act with the piston unit in compressing air in two stages; and a receiver into which the compressed air is discharged.

2,077,803

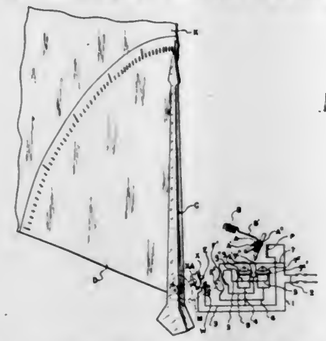
SIGNBOARD THERMOMETER

Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 9, 1934, Serial No. 724,714
10 Claims. (Cl. 73—52)

5. A signboard meter comprising a casing adapted for attachment to the rear side of a wall formed with an aperture, a shaft journalled in said casing and having one end extending through said aperture and supporting a pointer adapted to co-operate with a scale carried at the front side of said wall, a meter element attached to and bodily rotatable with said shaft and including a part deflectable from a predetermined position angularly about the axis of said shaft in accordance with changes in value of a quantity measured, and relay mechanism for rotating

said shaft and including a control member co-operating with said deflecting part on a deflection of the latter away from said predetermined



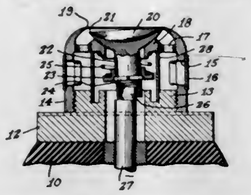
position to selectively energize said relay mechanism for rotation of said shaft in the direction required to return said part to said position.

2,077,804
DEVICE FOR TREATING FRACTURES OF THE NECK OF THE FEMUR
Gordon Monroe Morrison, San Mateo, Calif.
Application May 19, 1936, Serial No. 80,499
3 Claims. (Cl. 128—83)



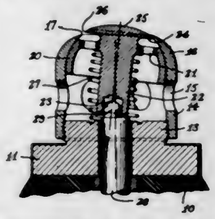
2. In a device of the character described, a hollow member capable of being inserted in a bone cavity, a pair of pivoted transverse members mounted in said hollow member, said pivoted members each having a sharpened edge, and means carried by said hollow member for moving said pivoted members beyond the margin of said hollow member, whereby said sharpened edges enter the bone structure beyond the confines of the bone cavity.

2,077,805
SHAVING IMPLEMENT
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application October 10, 1936, Serial No. 104,967
20 Claims. (Cl. 30—43)



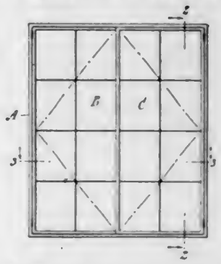
1. An implement of the class described having co-operating members presenting shearing edges and spherical guiding surfaces, and means for imparting a circular movement to a portion of one of said members.

2,077,806
SHAVING IMPLEMENT
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application October 23, 1936, Serial No. 107,233
16 Claims. (Cl. 30—43)



1. An implement of the class described having co-operating members presenting shearing edges and spherical guiding surfaces, and means for imparting a wobbling movement to one of said members to move its edge externally and progressively with respect to the edge of the other member.

2,077,807
WINDOW CONSTRUCTION
Edmund Peremi and Louis Toth, Manhasset, N. Y.
Application October 11, 1933, Serial No. 693,199
11 Claims. (Cl. 189—69)



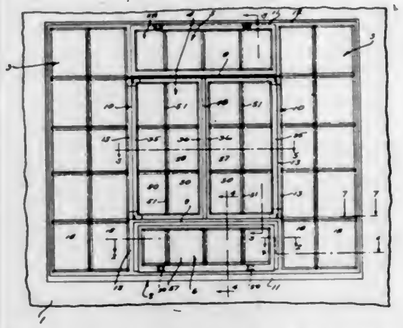
1. In a window the combination with a sash, glass in the sash, said sash having dove-tailed grooves adjacent the glass at one side thereof, clips holding the glass in the sash, each clip comprising a relatively long leg caught in the dovetail groove, a resilient loop interposed between the sash and the edge of the glass, and a relatively short leg engaging the face of the glass, and putty keyed in the dove-tailed grooves, covering and concealing the clips, and engaging the glass.

2,077,808
WINDOW
Edmund Peremi and Louis Toth, Manhasset, N. Y.
Application April 6, 1935, Serial No. 14,965
18 Claims. (Cl. 189—64)

8. In a window, a frame comprising division bars of non-corroding metal, each division bar being of channel form, a reinforcing steel bar set in the channel and fastenings extending through the channel walls and into the reinforcing bar for affixing it to the frame.

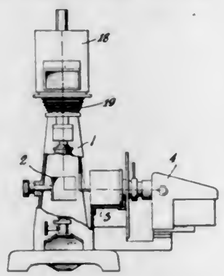
11. In a window, a swinging sash comprising a meeting rail bar of rectangular tubular forma-

tion, said bar having dove-tail grooves formed in opposite faces thereof, one of said grooves being



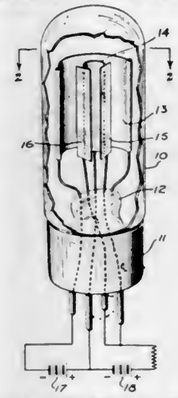
provided for receiving putty and the other for receiving and interfitting with a striking bar.

2,077,809
MICROPHOTOGRAPHIC APPARATUS WITH MIRRORSCOPE CAMERA
Hermann Riepert, Wetzlar, Germany, assignor to Ernst Leitz, Optische Werke, G. m. b. H., Wetzlar, Province of Hesse-Nassau, Germany
Application November 16, 1934, Serial No. 753,251
In Germany November 18, 1933
1 Claim. (Cl. 88—24)



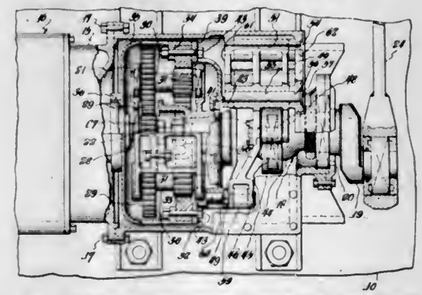
In a microphotographic apparatus including a microscope, a mirrorscope camera, a hollow column supporting said camera, a source of light exchangeably secured to said support, a swinging mirror in said column in alignment with said source of light, a closed optical bench combined with said column, and constituting the housing for said vertically arranged microscope, an object supporting table for said microscope below the objective of said camera on which the light from said source of light is reflected by said swinging mirror, and a drawing apparatus connected with said microphotographic apparatus and including a mirror, an exchangeable and turnable tubus associated with the microscope and camera for projecting a picture of the object under observation by the microscope to the mirror of the drawing apparatus for projection upon the drawing plane of said apparatus, a curtain for said drawing apparatus, and a horizontal negative holder for said camera, an opaque plate angularly disposed to said negative holder on said camera upon which the picture taken by the camera of the object under observation by the microscope is directly reflected to display the same to an observer simultaneously with the developing of the picture in the camera.

2,077,810
PHOTOTUBE
Bernard Salzberg, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 14, 1936, Serial No. 110,805
4 Claims. (Cl. 250—27.5)



1. A phototube including an envelope containing a photocathode, an oppositely disposed secondary emitting electrode and a collector electrode adjacent said secondary emitting electrode but outside any line normal to the emitting surface of said secondary emitting electrode.

2,077,811
DRIVE MECHANISM FOR SHAKER CONVEYERS
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 15, 1934, Serial No. 706,787
Renewed October 28, 1935
30 Claims. (Cl. 198—220)



1. In a shaker conveyer operating mechanism, a rotatable member, a drive member reciprocated thereby and operatively connected with a conveyer trough for reciprocably moving said conveyer trough in such a manner as to convey material therealong, and means for driving said rotatable member at a variable angular velocity for driving said conveyer trough in such a manner as to move material therealong, comprising a reaction member, a driven member having operative engagement therewith, a drive connection from said driven member to said rotatable member, and a connection to said reaction member for moving said reaction member in opposite directions during each revolution of said rotatable member.

2,077,812

RAIL FLAW DETECTOR MECHANISM

Edward G. Sperry, Brooklyn, and Harcourt C. Drake, Hempstead, N. Y., assignors to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application March 9, 1935, Serial No. 10,142
2 Claims. (Cl. 175—183)



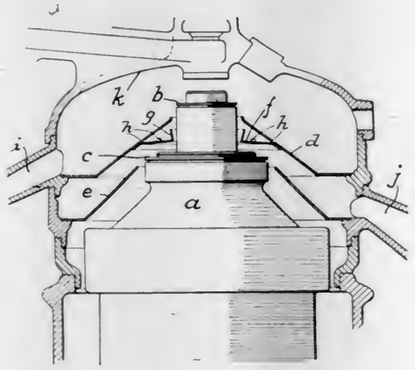
1. In a rail flaw detector mechanism, means responsive to flaws, a carriage for said responsive means, a support for said carriage providing universal movement thereof, said carriage having wheels adapted to ride upon the rail, each of said wheels comprising a portion adapted normally to engage the rail, said portion being so formed that it would tend to fall into the space between the rail parts of a frog, and an extension on the outside of each portion, said extension having a surface adapted to engage the parts of the frog, said surface tapering outwardly throughout its entire length from the respective wheel portion.

2,077,813

COLLECTING CHAMBER FOR LIQUIDS DISCHARGED FROM CENTRIFUGAL BOWLS

George J. Strezynski, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application August 14, 1934, Serial No. 739,733
10 Claims. (Cl. 233—46)



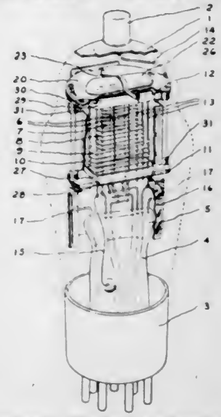
1. In a centrifugal machine, the combination with a centrifugal bowl having outlets for light and heavy liquids respectively, an upper hopper providing above it a chamber to catch light liquid and a lower hopper providing above it a chamber to catch heavy liquid, both of said hoppers having clearance from the bowl neck, of a supplemental hopper at the under side of the upper hopper and forming a chamber intermediate between the light liquid and heavy liquid chambers, and having its lowermost portion at a higher level than that of the lowermost portion of the upper chamber, and a passage adapted to drain all liquid from the intermediate chamber into the upper chamber and to permit flow of air in the reverse direction at a point other than the aforementioned clearance.

2,077,814

ELECTRON DISCHARGE DEVICE

Charles W. Taylor, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application January 22, 1935, Serial No. 2,870
11 Claims. (Cl. 250—27.5)



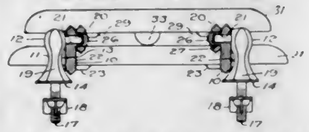
1. A thermionic discharge device comprising a reentrant stem with a press with lead-in wires sealed therein, a shield surrounding and mechanically secured to the stem, an electrode assembly of the unit mount construction resting upon the upper edge of said shield, and electrical connections between said electrode assembly and said lead-in wires.

2,077,815

TOILET SEAT STRUCTURE

William Taylor, St. Johns, Quebec, Canada, assignor to Crane Limited, St. Johns, Quebec, Canada

Application December 16, 1932, Serial No. 647,559
Renewed September 10, 1936
3 Claims. (Cl. 4—236)



1. In a toilet seat structure, a seat, hinge leaves secured thereto and having offset spacing arms terminating in thimbles forming barrels and bearings, a lid, hinge leaves secured to said lid and terminating in barrels registering with the bearings of the hinge leaves for said seat, and posts having anchoring bolts and hinge pins registering with the barrels of the hinge leaves for said seat to support said seat and lid.

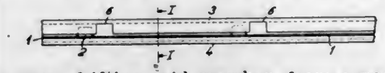
2,077,816

DOCTOR FOR PAPER MAKING AND LIKE MACHINES

Frederick William Vickery, London, England

Application January 18, 1936, Serial No. 59,718
In Great Britain January 16, 1935
8 Claims. (Cl. 92—74)

3. A doctor comprising a flexible blade, a holder provided with a longitudinal groove for receiving the rear edge of the blade, said blade having retaining portions provided with a surface transverse to the side face of said blade adjacent the rear edge thereof, a member extending longitudinally of the holder mounted in a portion of said groove and shiftable relatively to said holder, and blocking means associated with said member, said blocking means being displaceable, upon shifting said member, from a position to engage with the transverse surface of said retaining means and block lateral removal of the blade from said holder to a position out of engagement with said retaining means to permit lateral removal of the blade from the holder.

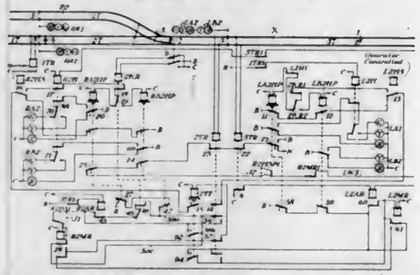


2,077,817

RAILWAY TRAFFIC CONTROLLING APPARATUS

Henry S. Young, Wilkinsburg, and Ronald A. McCann, Swissvale, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application December 14, 1935, Serial No. 54,430
6 Claims. (Cl. 246—3)



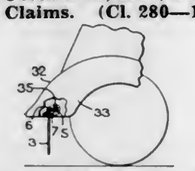
1. In a railway signaling system, a stretch of single track railway having a passing siding and an associated switch at one end thereof, signals for governing the movement of traffic into the stretch over said switch in its normal and reverse positions respectively, control relays for said signals, an approach locking relay for said switch, a remotely controlled directional relay having a front contact included in a circuit including one or the other of said control relays according as the switch is in its normal or its reverse position, an opposing signal for governing traffic movements toward the siding and controlled by a line relay with an energizing circuit including a front contact of said approach locking relay, a pickup circuit for said approach locking relay including back contacts of said remotely controlled and said control relays respectively, and a stick circuit for said approach locking relay similar to said pickup circuit but not including the back contact of said remotely controlled relay.

2,077,818

SPLASH FLAP FOR AUTOMOBILES

Louis Zaiger, Lynn, Mass.

Application October 23, 1935, Serial No. 46,317
5 Claims. (Cl. 280—152)



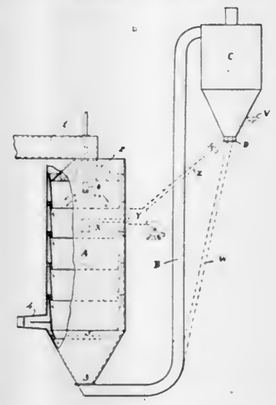
1. A splash guard for automobiles comprising an apron, two rigid jaws adapted to engage opposite sides of a fender, the jaw engaging the inside of the fender having integral therewith at its end both a return bend and a bracing finger extending in the opposite direction from but at an angle to the return bend and a screw for clamping said jaws to the fender and securing them to the apron.

2,077,819

SOLUBLE, NONHYGROSCOPIC COCOA AND PROCESS OF PRODUCING SAME

Paul Thomas Zizinia, Belmar, N. J., assignor to Spray Dryer Laboratory Corporation, a corporation of New Jersey

Application September 23, 1932, Serial No. 634,610
11 Claims. (Cl. 99—26)



5. The process of producing a relatively soluble and substantially non-hygroscopic edible compound comprising cacao and an edible crystallizable material which comprises rendering the materials fluid, passing the fluid through a spray drying chamber for the purpose of obtaining a relatively dry material, recycling the dried material through the drying chamber for the purpose of softening the dried material, maintaining the material in a dispersed state while being recycled, and permitting the softened material to harden.

2,077,820

REFRIGERATING METHOD AND APPARATUS

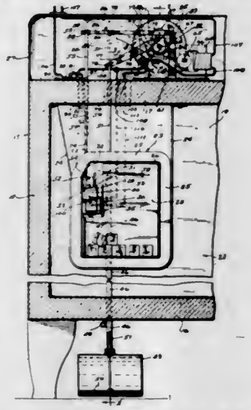
Ewald A. Arp, Minneapolis, Minn.

Application October 23, 1933, Serial No. 694,781
18 Claims. (Cl. 62—105)

1. The method of making blocks of ice, which consists in freezing water in each of several receptacles to provide separate blocks of ice, floating said blocks of ice from the receptacles while concurrently loading the receptacles with water, withdrawing the water from said blocks of ice, subjecting said blocks of ice while in spaced apart relation to the influence of freezing medium and concurrently freezing said water loaded into said receptacles, and delivering the resulting dry blocks of ice to a storage container therefor also subjected to the influence of freezing medium.

4. An apparatus of the character described, comprising a receptacle, means for freezing water therein, means for removing the resulting block of ice from said receptacle and loading the receptacle with water for providing an additional block of ice, and means for retaining said re-

moved block of ice at location subjected to the influence of freezing medium and for later deliv-



ering said removed block of ice from said location to a cooled storage chamber.

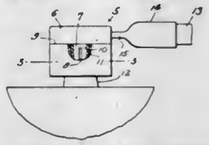
2,077,821

BATTERY TERMINAL POST CLAMP

Russell L. Baird and Alvis Moseley, Texas City, Tex.

Application May 16, 1936, Serial No. 80,213

2 Claims. (Cl. 173—259)



1. A battery terminal post clamp comprising a socket having a flat top and an integral slit skirt of yieldable conductive material, said socket being adapted to fit over a battery post, and said skirt being disposed inwardly from the peripheral edge of the top of the socket, and split resilient retaining bands disposed one within the other and sleeved on said skirt, said bands abutting at one edge thereof the portion of said top projecting beyond the periphery of said skirt.

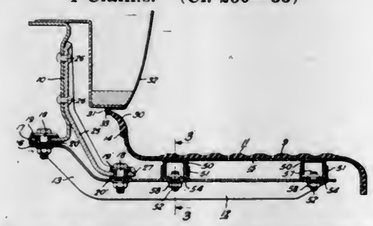
2,077,822

RADIO ANTENNA FOR AUTOMOBILES

Albert D. Baker, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 26, 1936, Serial No. 87,330

4 Claims. (Cl. 250—33)



1. In an automobile, a metallic chassis-frame side rail, a series of transversely-extending outwardly-projecting metal hangers securely fixed to said side rail, said hangers being electrically insulated from said side rail, a running board mounted upon the outer portions of said hangers and supported thereby, said running board comprising a metal member having a substantial plan area overlying said hangers and held in spaced relation to all grounded metal parts of the automobile and serving as a radio antenna.

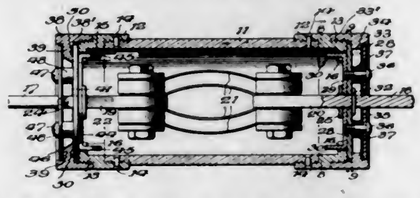
2,077,823

REFILLABLE BLADE FUSE

Daniel E. Carney, Pittsburgh, Pa., assignor of one-third to James M. Magee, one-third to Harry I. Neaman, and one-third to Marion Herrick Carney, all of Pittsburgh, Pa.

Application September 21, 1932, Serial No. 634,244

8 Claims. (Cl. 200—131)



1. In a fuse, a casing, an end cap having rotatably detachable engagement with one end thereof, a closure member in permanently coupled connection with said cap and shiftable thereon, a terminal blade movable axially through said closure member and cap, and blade locking means carried by said cap and locking said terminal blade against movement axially through said closure member and cap.

2,077,824

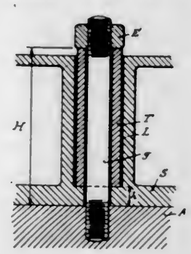
CYLINDER HEAD

Albert Alexandre Augustin Darche, Bondy, France

Application December 31, 1935, Serial No. 57,056

In Luxemburg January 4, 1935

5 Claims. (Cl. 123—173)



1. In an internal combustion engine, a cylinder head having an inferior wall and a superior wall embracing between them a water-jacket, the cylinder head having a bolt hole in its inferior wall surrounded by a tubular web joining the inferior and superior walls and embracing a space of greater diameter than the bolt hole, which space extends from the inferior wall to and through the superior wall, in combination with a cylinder having a bolt passing through said space and projecting beyond the superior wall of the cylinder head, a tubular member in said space of the cylinder head and surrounding said bolt, and a nut on said bolt for pressing said tubular member against the inferior wall of the cylinder head thereby to secure the cylinder head to the cylinder.

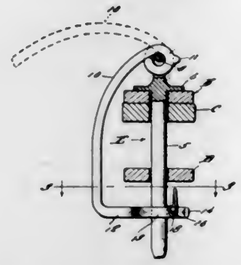
2,077,825

SAFETY LATCH EQUIPPED COUPLING PIN

Willie J. Davidson, Wharton, Tex.

Application June 23, 1936, Serial No. 86,862

2 Claims. (Cl. 280—33.15)



1. A safety latch-equipped coupling pin of the class described comprising a substantially cylindrical pin provided at its top with an outstanding flange constituting a stop shoulder, and formed above said flange with an eye, a safety retaining latch having an eye at one end pivotally connected with said first-named eye, said latch eye being provided with an outstanding lug engageable with said first-named eye to limit the lifting or swinging movement of the latch in a predetermined manner, said latch being provided at its lower end with a forked portion releasably engageable with the corresponding end of the coupling pin.

2,077,826

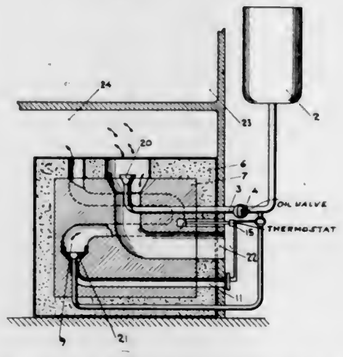
OIL FIRING ARRANGEMENT

Claude Gustaf Hjalmar de Laval, Stockholm, Sweden

Application July 8, 1932, Serial No. 621,481

In Sweden July 24, 1931

14 Claims. (Cl. 158—5)



1. Oil burning apparatus comprising an oil burner, oil and air supply connections for said oil burner, a heat-insulated heat accumulator in heat-transferring relation with at least one of the supply connections whereby the latter is heated to the required temperature, an auxiliary combustion chamber for supplying heat to the accumulator, oil and air supply connections for said auxiliary combustion chamber, and thermostatic means responsive to the temperature of the accumulator for controlling said last-named connections.

2,077,827

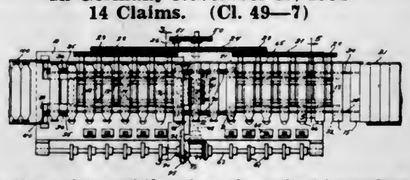
GLASSWORKING MACHINE

Jakob Dichter, Berlin-Schoneberg, Germany

Application February 6, 1936, Serial No. 62,694

In Germany November 15, 1934

14 Claims. (Cl. 49—7)



1. A machine of the class described including in combination, means for processing a glass blank, means for supporting a glass blank with a portion thereof in position to be acted upon by said processing means, and means for reversing said blank end for end to locate a second portion thereof in a position to be acted upon by said processing means.

2,077,828

RULER

Briney S. Dombrowski, Seneca Falls, N. Y., assignor to Westcott Rule Company, Inc., Seneca Falls, N. Y.

Application March 19, 1935, Serial No. 11,863

4 Claims. (Cl. 33—111)



1. A ruler or scale graduated in inches and fractions thereof, the graduations being indicated by parallel lines disposed transversely of the ruler, each inch space having a plurality of blocks arranged in relatively spaced alinement longitudinally of the ruler, and each being slightly less than one quarter of an inch in length.

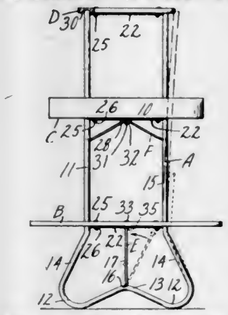
2,077,829

STRUCTURE FOR DISPLAY FIXTURES AND THE LIKE

Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Inc., Des Moines, Iowa, a corporation of Iowa

Application July 6, 1936, Serial No. 89,112

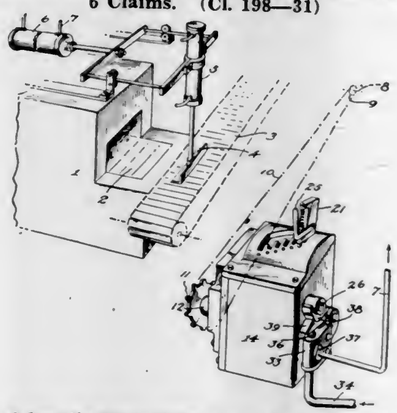
5 Claims. (Cl. 211—148)



1. In a device of the kind described, supports comprising a pair of tubes of somewhat resilient material, each having its central part bent to form a base with side members inclined upwardly, and having normally parallel parts extending upwardly from the inclined members, and capable of being sprung apart, said upright parts having

holes in their adjacent walls, and bars having reduced ends projecting into said holes, which bars may be thus installed by first springing the upright parts of each support apart and then permitting them to return to normal with the bars in place, and a flat member having holes receiving the upright parts, said flat member resting on the bars.

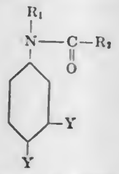
2,077,830
LEER LOADER
Walter H. Failinger, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application April 24, 1936, Serial No. 76,223
6 Claims. (Cl. 198—31)



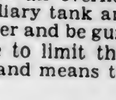
1. A leer loader including a conveyer for carrying ware from a glass forming machine to a position in front of a leer, a cylinder-operated pusher bar for sweeping a row of ware from said conveyer to a leer conveyer, and means for periodically initiating the operation of the leer loader in accordance with the number of articles made by a forming machine, said means including an air line leading to a cylinder of the cylinder-operated leer loader, a valve in said line, a rotatable shaft, means carried by said shaft for opening the valve upon each rotation of the shaft, a cone gear carried by the shaft, a movable arm, gears carried by the arm and adapted to selectively engage said cone gear, and means for driving the gears of said arm from the cam shaft of a glass forming machine.

2,077,831
SULPHONIUM COMPOUNDS AND PROCESS OF MAKING THE SAME
Friedrich Felix, Basel, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 6, 1935, Serial No. 30,157. In Switzerland July 10, 1934
13 Claims. (Cl. 260—124)

1. The sulphonium compounds of the general formula—

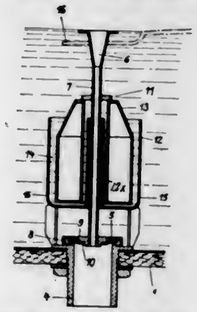


wherein R_1 represents a member of the group consisting of hydrogen and alkyl and R_2 represents a member of the group consisting of hydrogen, alkyl and aryl, wherein further one Y stands for hydrogen and the other Y for a sulphonium radical of the formula—



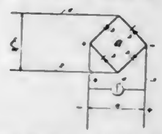
anion meaning a radical of an inorganic acid, which products constitute colorless masses soluble in water and in organic solvents.

2,077,832
FLUSHING CISTERN
Albert Gebert, Rapperswil, St. Gallen, Switzerland
Application February 26, 1936, Serial No. 65,932
In Switzerland April 10, 1935
1 Claim. (Cl. 4—58)



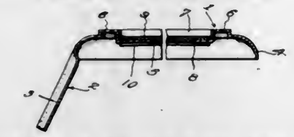
In a flushing cistern, a main water tank having an outflow opening on a level with the bottom thereof, a valve for closing said opening, an auxiliary tank, having at least one outflow opening, located above said valve, an upstanding tube in said auxiliary tank arranged with its axis coincident with that of said outflow opening, a pipe at the lower end of which said valve is carried, said pipe passing through said upstanding tube as a guide and serving as an overflow valve, a float located in said auxiliary tank and having a central passage to fit over and be guided by said tube, a stop on said pipe to limit the upward movement of said float, and means to raise said pipe to open said valve.

2,077,833
NULL INDICATOR
Carl K. Gieringer, Miamitown, Ohio
Application February 11, 1935, Serial No. 6,001
7 Claims. (Cl. 171—95)



7. An indicator adapted to detect and measure minute alternating currents, comprising, a group of alternating current rectifiers in bridge connection, an indicator shunted across a division of the group of rectifiers to measure the output current of said group, and means for applying to the indicator a constant current of which the polarity is opposite to that of the current applied to the indicator from the rectifier group.

2,077,834
GRAVE MARKER
Joseph P. Harner, Nevada, Mo.
Application February 11, 1936, Serial No. 63,428
3 Claims. (Cl. 40—124.5)



3. A marker of the character described comprising a metal plate body having an encircling flange, the body of the plate having a frame pressed therefrom and projecting oppositely to the flange, the material of the plate lying within the frame being pressed in the opposite direction to the frame and forming a panel lying on the opposite side of the body from the frame, there being slots along two opposite sides of said panel, means connected with the body for insertion into the earth, and a plate having a portion of one side edge turned to form a stop, the plate being extended through said slots to lie across said panel and having its opposite edge bent back across an edge of the panel to maintain it in position, said plate when in position lying within the area between the planes of the outer face of said frame and the edge of the body flange.

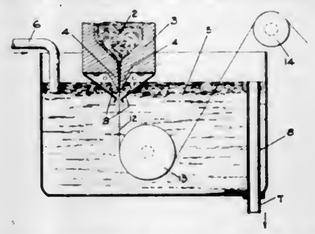
2,077,835
METHOD OF WIDENING FABRICS
Woldemar Heinitz, Chemnitz, Germany, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany
Application September 30, 1936, Serial No. 103,445
In Germany October 5, 1935
1 Claim. (Cl. 66—189)



The method of widening fabrics on flat knitting machines comprising moving the thread guide for the pitch of two needles beyond the edge of the fabric after the formation of a row of loops, taking the thread about the outermost needle, transferring the selvage loop at the other edge of the fabric outwardly for one needle, simultaneously placing the thread in front of all needles for the production of a new row of loops, and preventing pressing of the needle carrying said transferred loop respectively during the formation of a new row of loops.

2,077,836
APPARATUS FOR MAKING FILMS
Lee Roy Herndon, Richmond, Va., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 5, 1935, Serial No. 5,095
4 Claims. (Cl. 18—15)

1. Apparatus adapted for the production of transparent pellicles suitable for use as wrapping tissue from cellulosic solutions and the like, comprising a coagulating bath, means associated therewith for maintaining a predetermined level of coagulating bath liquid, a hopper adapted to contain a cellulosic solution or the like and having an elongated extrusion orifice at its lower end, said orifice being so disposed with respect to the coagulating bath as to be submerged in the coagulating bath liquid during the film-forming operation, and baffle plates attached to said hopper and surrounding said orifice, two of said baffle plates being oppositely disposed and parallel to said orifice, whereby to eliminate the



formation of streaks in said pellicles, said baffle plates having openings for ventilation of the space above said bath and surrounded by said baffle plates.

2,077,837
PROCESS FOR THE REFINING OF SPERM OIL OR WAX
Wilhelm Holwech, Oslo, Norway
No Drawing. Application February 4, 1935, Serial No. 4,993
2 Claims. (Cl. 202—52)

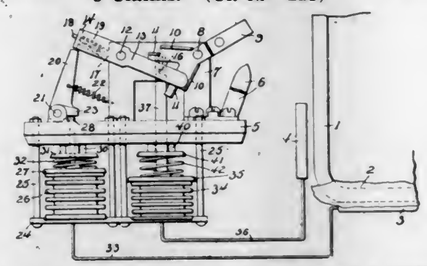
1. Process for the refining of such materials of the sperm oil type, which contain in addition to the natural wax-like esters also a notable amount of glycerol fat comprising the step of subjecting the material to distillation under reduced pressure at temperatures sufficiently high to effect evaporation of the natural wax-like esters in an unsplit condition leaving the glycerol fat as a residuum.

2,077,838
GEAR LEVER CARBURETOR CONTROL
Douglas Morton Hughes and Lawrence Gordon Donald, Toronto, Ontario, Canada
Application November 23, 1936, Serial No. 112,238
1 Claim. (Cl. 74—472)



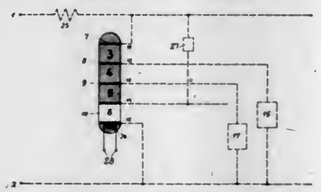
In a gear lever carburetor control, a hand knob rotatably attached over the end of the said gear lever, a winding drum formed as a combinational part of the said knob, said winding drum being rotatably seated in frictional contact in a clamping member, said clamping member being detachably connected over the end of said gear lever, a cable wire extending through the side of said clamping member, said cable being attached to the periphery of said drum, the said cable extending from the said drum, the opposite end being connected with a carburetor therewith, a split sleeve fitted over the end of said gear lever, said split sleeve projecting up through the centre of said clamping member and winding drum, a tension spring encircling the upper end of said sleeve, said spring engaging against a shoulder formed interiorly with said drum, said spring adapted to maintain a frictional contact between the said drum and the said clamping member, a stop formed on the adjacent side face of said drum, and a stop formed in the upper face of said seat, said stops adapted to regulate the rotation of the said drum in said seat by the rotation of the said knob.

2,077,839
AUTOMATIC DEFROSTING SWITCH
Charles Christian Hundemer, Baton Rouge, La.
Application November 10, 1931, Serial No. 574,211
5 Claims. (Cl. 62—115)



1. In mechanical refrigerators having a chiller and a controller for shutting off or turning on the chiller; means governed by frost on the chiller for actuating said controller for stopping the action of the chiller for defrosting purposes and for turning it on again when defrosting has been completed, said means comprising a thermostatic bulb lying a distance from the chiller equal to the frost thickness it is desired to accumulate on the chiller, a bellows cooperatively connected with said bulb, said bulb, bellows and their connection containing an expansible fluid, a rocker for actuating said controller, means connecting said bellows and said rocker to cause the controller to stop the action of the chiller during defrosting, a latch to hold said rocker in the stop position, and a second thermostatic bulb and bellows and expansible fluid contained therein to cooperate with said chiller and with said latch for releasing the latch when the chiller has been defrosted.

2,077,840
POTENTIAL DIVIDER
László Körös, Berlin-Mariendorf, Germany
Original application May 23, 1929, Serial No. 365,324. Divided and this application April 21, 1933, Serial No. 667,154. In Germany June 6, 1928
13 Claims. (Cl. 250—27.5)

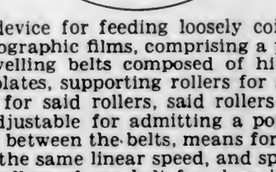


3. A potential divider comprising a common container, a plurality of electrodes therein forming a succession of series interconnected discharge paths of substantially constant potential drop.

2,077,841
CONDENSATION PRODUCTS AND PROCESS OF MAKING SAME
Wilhelm Kraus, Vienna, Austria
No Drawing. Application November 23, 1933, Serial No. 699,463. In Germany February 10, 1932
13 Claims. (Cl. 260—3)

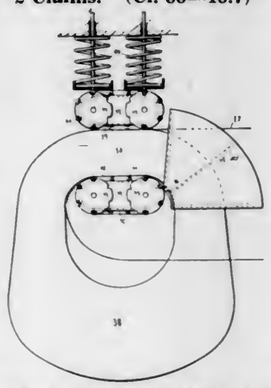
1. The method of manufacturing condensation products from urea, formaldehyde and hexamethylenetetramine which comprises admixing the urea and hexamethylenetetramine in a proportion such that approximately 14 to approximately 62 mols of urea are present for each mol. of hexamethylenetetramine used, in an aqueous acid solution of formaldehyde having a pH lower than 3 and containing between approximately 1 mol. to approximately 2 mols of formaldehyde per mol. of urea used, the proportion of acid present being less than that required for converting all the hexamethylenetetramine into the corresponding salt, and heating the condensation mixture until acid reaction is attained.

2,077,842
COKE OVEN AND LIKE FURNACE
Eduard Kuhl and Theodor Kretz, Essen, Germany
Application November 16, 1934, Serial No. 753,280
In Germany November 16, 1933
5 Claims. (Cl. 202—223)



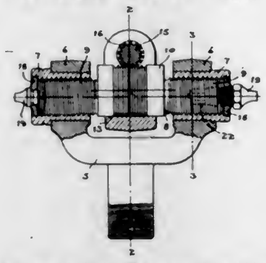
1. A heating wall structure for the purpose set forth composed of individual bricks, said bricks having surfaces in contact with the adjacent bricks, end surfaces on said bricks, four contact surfaces bounded on one of said end surfaces, two opposite ones of said contact surfaces wedge-like converging on one another in the one sense normally to the surface of the heating wall, and the two opposite remaining contact surfaces in the other sense.

2,077,843
CONTRIVANCE FOR THE SIMULTANEOUS WINDING-UP AND UNWINDING OF AN ENDLESS FILM-STRIP
Emil Lange, Berlin-Zehlendorf, Germany
Application March 22, 1933, Serial No. 662,131
In Germany March 23, 1932
2 Claims. (Cl. 88—18.7)



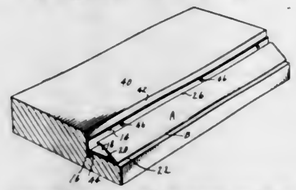
1. A device for feeding loosely coiled, endless cinematographic films, comprising a pair of endless travelling belts composed of hingedly connected plates, supporting rollers for said belts, a support for said rollers, said rollers being relatively adjustable for admitting a portion of the film coil between the belts, means for driving the belts at the same linear speed, and springs acting on the rollers of one belt for clamping the belts to the admitted coil portions.

2,077,844
ADJUSTABLE HINGE JOINT
John Wycliffe Leighton, Port Huron, Mich.
Application September 29, 1934, Serial No. 746,152
6 Claims. (Cl. 287—100)



1. In a hinge joint, the combination of a pair of spaced members to be relatively adjusted in directions respectively axially and transversely of the hinge axis and capable of relative swinging movement about said axis, a hinge pin having its end journalled in one of said members and having an eccentric portion both adjustably rotatable about the hinge pin axis and slidable in a direction axially of the hinge pin in the other of said members, and means for rigidly securing said eccentric portion in the said other hinge member to preserve both the rotative and sliding adjustment thereof in said member, including a member operable to impart an adjusting thrust in a direction axially of the hinge pin between said eccentric and said other of said members whereby the relative spacing of said respective members in a direction axially of the hinge pin is effected.

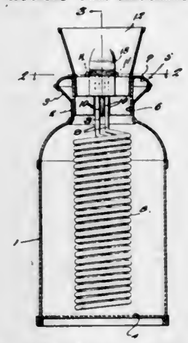
2,077,845
WEATHER STRIP STRUCTURE
Sern Madsen, Clinton, Iowa, assignor to George L. Curtis, Eugene J. Curtis, and Charles A. Armstrong, all of Clinton, Iowa
Application November 16, 1935, Serial No. 50,146
4 Claims. (Cl. 20—69)



1. The combination of a supporting member having a rabbet and a groove formed in one wall of the rabbet, one wall of the groove forming an extension of the other wall of the rabbet, with a resilient weather-strip having a seating leg in the form of a flat strip-like portion engaging a wall of the rabbet, a fold at one edge thereof received in the groove as a seating anchor, an extension leg inclined from the fold at an acute angle of slightly less than a right angle and resiliently engaging the other wall of the rabbet, whereby the weather-strip is held in place, and a leg inclined from the outer edge of said extension leg at an acute angle thereto and toward the seating leg.

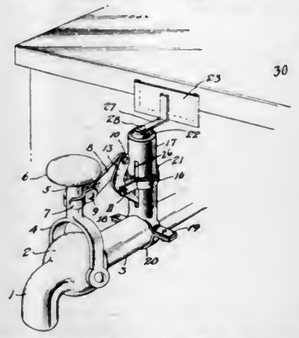
2,077,846
MILK COOLER
Ralph M. McIlvana, Brookline, Mass.
Application September 5, 1936, Serial No. 99,651
3 Claims. (Cl. 257—199)

1. A milk cooler comprising a cover engageable in a milk can, said cover including a skirt open at both ends and adapted for insertion in the can, and a double coil mounted on the cover



and depending therefrom, said coil including leads extending from its upper end through the skirt of the cover and rigidly secured to said skirt.

2,077,847
BEVERAGE INDICATOR
Erik J. Meusner, West Orange, N. J.
Application February 14, 1934, Serial No. 711,234
6 Claims. (Cl. 40—28)

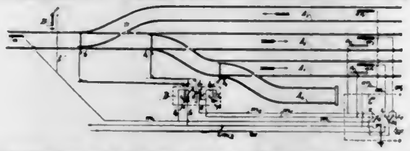


4. In apparatus of the character described, a faucet and an indicator, said faucet having an oscillating valve handle, and said indicator having a vertically reciprocating member connected thereto, said member being mounted in a stationary vertical support, means operatively associated with said handle and said member whereby oscillation of said handle produces reciprocation of said member, and further means for restricting the movement of said indicator to a predetermined distance.

2,077,848
AUTOMATIC BRAKE-OPERATING DEVICE FOR RAILROAD VEHICLES
František Mikulka, Louka, Alois Stecker, Olomouc, and Frank Seckar, Louka, Czechoslovakia
Application October 25, 1934, Serial No. 749,918
In Czechoslovakia October 14, 1933
2 Claims. (Cl. 246—74)

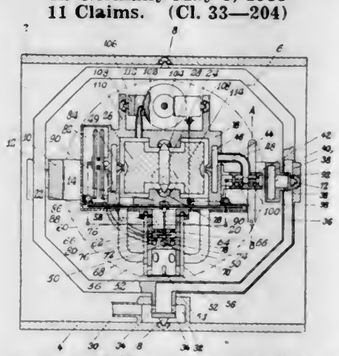
1. In an automatic train controlling system, the combination with the switch point operating levers of a railway station of a pair of electric point contacts for each lever, means on the lever for connecting said point contacts alternately to earth when the lever is reversed, an electric brake

circuit on the train permanently connected to earth and including a contact rail, an outside track contact at the approach to the station and a track contact on each track inside the station all adapted to be swept by said contact rail, a group of control contacts, wires connecting individual control contacts with individual point contacts, means for connecting the track contacts in the station to earth and to control contacts of



neighboring stations, means for connecting the outside track contact to different point contacts and to earth through the different control contacts, additional track contacts in the station adapted to contact with and to be earthed by the train, and means for connecting said additional track contacts through the control contacts to the outside track contact as a protection for the train while it remains in the station.

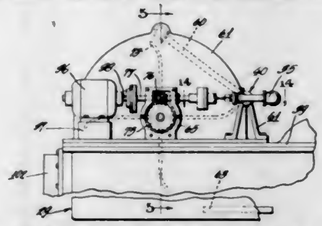
2,077,849
COMPASS FOLLOW-UP
Waldemar Möller and Gerhard Zoege von Manteuffel, Berlin-Zehlendorf, Germany
Application May 4, 1934, Serial No. 723,854
In Germany May 8, 1933
11 Claims. (Cl. 33—204)



1. A compass follow-up comprising, in combination, a magnet system rotatable about a vertical axis; a stabilizing gyroscope with a vertical spinning axis; a turn-responsive gyroscope, including a rotor having a horizontal spinning axis and a rotor bearing frame mounted for oscillation in horizontal bearings at right angles to said spin axis; a follow-up ring rotatable about a fixed substantially vertical axis; a common supporting member for said magnet system and said gyroscopes, means journalling said supporting member in said follow-up ring for freedom about mutually normal horizontal axes; and means partially controlled by said turn-responsive gyroscope and rendered operative responsive and corresponding to rotary movement of said supporting member away from normal relation relatively to said magnet system, adapted to rotate said follow-up ring journalling means and supporting member to restore said normal relation.

2,077,850
CARBONATING APPARATUS
Harry K. Painter, Cincinnati, Ohio
Application January 6, 1933, Serial No. 650,449
5 Claims. (Cl. 261—19)

3. A device of the character described, comprising: a container communicable with a liquid supply and a gas supply; means for mixing said liquid and gas, impregnating said liquid with said gas; valve means for controlling the flow of said liquid; and means for actuating the



valve and driving the mixing means, including a single direction rotary element and a translatable element carrying the valve actuated by the rotary element for effecting both opening and closing movements of said valve means.

2,077,851
SORTING APPARATUS
Charles M. Pierce, Detroit, Mich.; Loduskia Pierce executrix of said Charles M. Pierce, deceased
Application July 27, 1934, Serial No. 737,266
7 Claims. (Cl. 194—103)

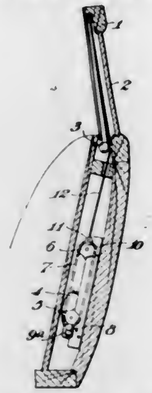


1. In a device of the character described, in combination with coin feeding means, selecting means comprising a rotatable coin receiving element of low inertia and initial resistance to turning moment, rotatable through more than 90 degrees and having a pocket therein greater than 90 degrees but less than 180° in extent adapted to receive and hold coins delivered thereto, spring-counterbalancing means for said element, means for projecting coins into said pocket and against a portion of said element, and means for segregating coins in accordance with the impetus imparted to the element, including a partition against which coins may fall from said element yieldable in the direction in which the coins fall and adapted to give a reverse impetus thereto when flexed.

2,077,852
COMBINATION OF WINDOW SHADE AND OPERATING MEANS
George Stephen Piper, London, England
Application January 14, 1936, Serial No. 59,135
In Great Britain January 31, 1935
2 Claims. (Cl. 156—28)

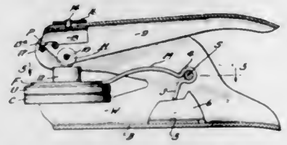
1. A window shade operating means comprising, in combination, a window shade which is spring urged in one direction, a unidirectional electric motor, an endless band connected with and driven by said motor and connected with the shade, mounting means for said endless band, a switch the contacts whereof are normally closed positioned adjacent said band and located in the circuit of said motor, two projections on said band spaced apart along the length thereof each

adapted to engage with and open said switch contacts, responsive to a predetermined amount of travel of said band, and a manually operable



switch located in the circuit of said motor for closing said circuit momentarily when the contacts of the first mentioned switch are open.

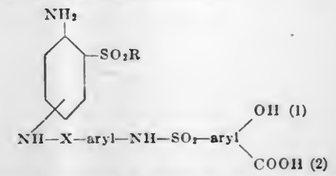
2,077,853
POCKET SEAL PRESS
Charles Priesmeyer, Park Ridge, Ill., assignor to Gustav A. J. Meyer, Chicago, Ill.
Refiled for abandoned application Serial No. 706,051, January 10, 1934. This application January 18, 1937, Serial No. 121,061
11 Claims. (Cl. 101—3)



1. In a seal-press, a frame including spaced upright sides and a bottom portion, a lower die supported by the body member, an upper companion die, a screw spanning the sides of the body member at a distance from the said dies; a spring formed of flat sheet metal and supporting the upper die; the spring including a portion curled incompletely around the shank of the said screw and also including a depending end portion having its tip spaced upwardly from the said bottom portion of the frame; and a wedge member slidable upon the said frame bottom portion and engaging the said tip of the spring with a lifting action so as to contract the curled spring portion diametrically and into gripping relation to the said shank of the screw, the wedge member having its upper portions in a plane which is at a forwardly open oblique angle to a face of the said depending end portion of the spring.

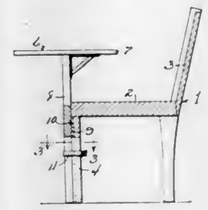
2,077,854
CHROMATABLE MONOAZO-DYESTUFFS AND A PROCESS FOR THEIR MANUFACTURE
Bernhard Richard, Basel, Switzerland, assignor to firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application June 16, 1936, Serial No. 85,621. In Germany July 1, 1935
8 Claims. (Cl. 260—92)

1. Monoazo-dyestuffs capable of being chromed formed by combining the diazo-compound of an amine of the general formula:



in which R means a member of the group consisting of OH, alkyl, aralkyl, aryl, alkyl-, aralkyl-, arylamino groups and the radical of an aryl sulphonic acid and X means a member of the group consisting of —CO— and —CO—CH_2O—, with 2-amino-8-hydroxynaphthalene-6-sulphonic acid in an acid solution.

2,077,855
COMBINATION CHAIR AND TABLE SET
Elizabeth Riess, Los Angeles, Calif.
Application July 10, 1935, Serial No. 30,673
1 Claim. (Cl. 155—128)



A combination chair and table set including a table having a top and a single centrally disposed leg, and means for detachably securing said leg to a leg of the chair for vertical adjustment to different fixed positions and including a tongue and groove connection between said legs, and clamping means surrounding said legs, said tongue and groove connection being substantially rectangular in form, and said legs having opposed flat surfaces upon each side of said tongue and groove connection, said clamping means comprising a single flat band of flexible material terminating in opposed laterally spaced ears and a bolt and nut connecting said ears.

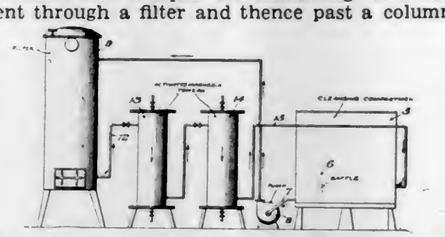
2,077,856
METHOD FOR PRODUCING STABLE ALKALI POLYSULPHIDES
Otto Röhm, Darmstadt, Germany
No Drawing. Application March 3, 1936, Serial No. 66,943. In Germany April 1, 1935
6 Claims. (Cl. 23—138)

1. As a new composition of matter, an alkali polysulphide stabilized by admixture with an alkali metal thiocyanate.

2,077,857
DRY CLEANING
Max Y. Seaton, Greenwich, Conn., assignor, by mesne assignments, to Westvaco Chlorine Products Corporation, New York, N. Y., a corporation of Delaware
Application October 29, 1936, Serial No. 108,285
6 Claims. (Cl. 210—203)

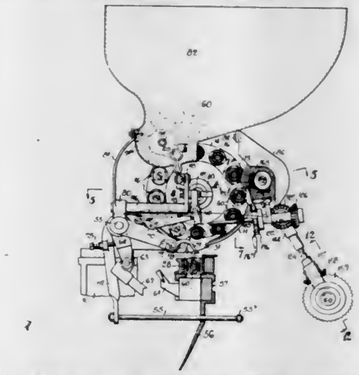
1. In the operation of dry cleaning clothes with volatile solvents in a scouring apparatus, the

process which comprises transmitting used solvent through a filter and thence past a column



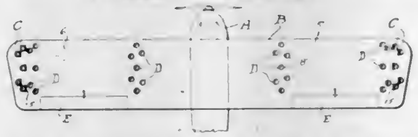
of activated magnesia back to the scouring apparatus.

2,077,858
AUTOMATIC BATTERY FOR LOOMS
William A. Smith, Greenville, S. C.
Application September 5, 1935, Serial No. 39,323
10 Claims. (Cl. 139—245)



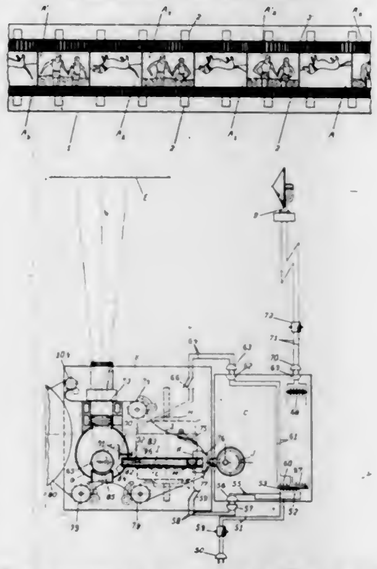
1. Means for supplying filled bobbins to the shuttle of a loom upon exhaustion of the filling on a bobbin carried by the shuttle comprising a rotary hopper, a fixed hopper disposed above the rotary hopper for holding a plurality of filled bobbins, means for removing the bobbins from the fixed hopper and placing the same in the rotary hopper, means for imparting intermittent rotation to the rotary hopper, means for imparting rotation to the bobbins held in the rotary hopper, a rotary brush for removing the end of the yarn on each bobbin, an endless chain having hooks thereon for conveying the loose end to a point removed from the tip of the bobbin, and means operable by the lay of the loom upon each transfer operation for moving the rotary hopper.

2,077,859
AEROPLANE WING CONSTRUCTION
Donald L. Sutton, Pittsburgh, Pa.
Application March 30, 1936, Serial No. 71,774
9 Claims. (Cl. 244—42)



1. In an aeroplane, a fuselage, a sustaining plane extending equally to each side of the fuselage, and a plurality of individual air transfer elbows at each side of the fuselage said elbows each having a first conduit extending between the upper and lower surfaces of the plane and a second rearwardly directed conduit below the lower surface of the plane and forming an extension of the first conduit, said second conduit being closed at its forward end and open at its rear end.

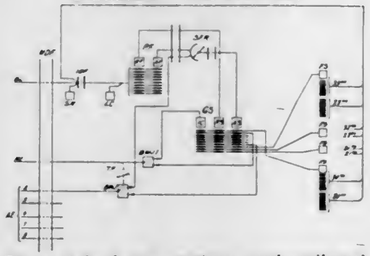
2,077,860
TWIN 16 SOUND ON FILM PROJECTOR
Leonard Day, New York, N. Y.
Application April 22, 1931, Serial No. 531,990
4 Claims. (Cl. 88—16.2)



1. The process of converting a film record of motion pictures and sound of the 35 millimeter type into a film record of the 16 millimeter type comprising reproducing the sound tracks of two stretches of the 35 millimeter film along opposite edges of the 16 millimeter film in opposite directions, but each in substantial conformity as to length relatively to the original record; reproducing the pictures from one stretch of said 35 millimeter film in reduced size on said 16 millimeter film and spaced one picture from another; and reproducing the pictures of the other stretch of 35 millimeter film on a reduced scale alternately between the first series of pictures and in a position reversed thereto, with the longer dimension of said pictures parallel to the film length with the sum of the longer dimension of two pictures being substantially equal to the height of a 35 mm. picture, whereby a traverse of the 16 millimeter film through a projector in one direction will reproduce the synchronized sound and the pictures corresponding to one stretch of the 35 millimeter film and a traverse through the same projection apparatus in the opposite direction relatively to said film will reproduce the sound and the pictures corresponding to the other stretch of 35 millimeter film.

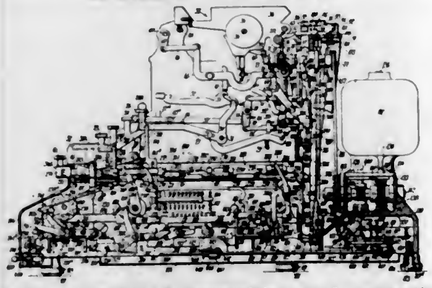
3. In a portable projector, a single source of projecting light; means for concentrating light from said source in the direction of picture projection including a rearwardly positioned concave mirror; and laterally positioned means for collecting a large quantity of the light from said source not available for picture projection and concentrate it for sound projection comprising a quartz collecting lens located close to said projecting light; a narrow window located approximately in the focus of said lens; and a second reduction lens system for reducing the light image from said window.

2,077,861
TELEPHONE SYSTEM
Reginald Taylor, Liverpool, England, and George Thomas Baker, Glamorganshire, Wales, assignors to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application April 23, 1934, Serial No. 722,012
In Great Britain April 24, 1933
4 Claims. (Cl. 179—18)



1. In a telephone system, subscribers' lines, primary finders having access to said lines and responsive to the initiation of calls over said lines for extending connections therefrom, overflow finders having access to said lines and operable to extend calls therefrom only when the primary finders are all busy, secondary finders having access to said overflow finders for extending connections from the overflow finders, incoming trunk lines from another exchange, said secondary finders also having access to and operable to extend calls received over said trunk lines.

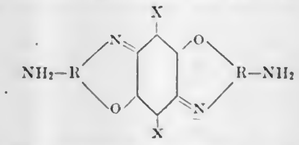
2,077,862
COMBINED TYPEWRITING AND COMPUTING MACHINE
Otto Thieme, Hartford, Conn., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application August 29, 1929, Serial No. 389,152
13 Claims. (Cl. 235—60)



1. In a combined typewriting and computing machine in which a typewriter is superposed on a computing base, said machine having carriage-controlled denomination-selecting mechanism which extends downwardly at the rear of the machine, and having indexable computing racks within said base and extending forwardly from said denomination-selecting mechanism, and also having a reciprocatory general operator for said racks; the combination of a power-cycling unit supported in rear of the base as an attachment, to permit the base to be set on a table, said unit including a motor-shaft, a counter-shaft, a movement-reducing cross-shaft connecting said shafts, said motor-shaft carrying the rotor of an electric motor, said counter-shaft being extended vertically below said cross-shaft, and having an arm, and a driving pitman extending forwardly from said arm below and clear of said rack-mechanism and having a pivotal connection at its forward end to said general operator.

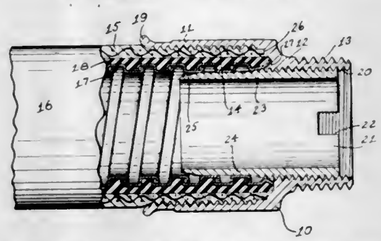
2,077,863
DYESTUFFS OF THE OXAZINE SERIES AND A PROCESS OF PREPARING THEM
Karl Thiess, Frankfort-on-the-Main-Sindlingen, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 31, 1933, Serial No. 673,774. In Germany June 4, 1932
11 Claims. (Cl. 260—28)

7. A member selected from the group consisting of the compounds of the general formula:



wherein X represents a member of the group consisting of hydrogen and halogen, R an aromatic radical of the benzene and naphthalene series containing at least two benzene nuclei the one of which is bound in two adjacent positions to the oxygen- and nitrogen-atoms and the other of which is bound to the NH_2-group and the compounds of the said general formula wherein the molecule contains substituents selected from the group consisting of acyl and sulfonic acid groups.

2,077,864
HOSE COUPLING
Emerson H. Tompkins, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 2, 1936, Serial No. 77,552
2 Claims. (Cl. 285—84)



1. In a hose coupling, an exterior body member comprising an interiorly threaded hose receiving section and an attachment portion, an interior wedge sleeve screwed into said attachment portion, said sleeve having an intermediate tapered section and a cylindrical neck extending therefrom a substantial distance and adapted to engage snugly within the interior of the metal liner of a flexible hose assembled to the hose receiving sec-

tion of said coupling, said tapered section being adapted to expand the end of said hose into liquid-tight engagement with said hose receiving section, said neck having a beveled extremity to facilitate the insertion of said neck into the interior of said hose liner.

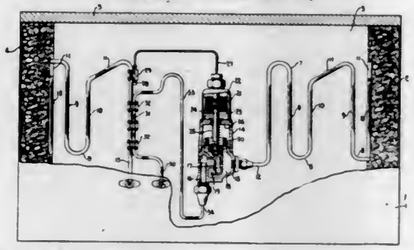
2,077,865

REFRIGERATING SYSTEM

Daniel D. Wile, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application March 15, 1934, Serial No. 715,576

10 Claims. (Cl. 62—8)



6. In a refrigerating system, an elongated tubular evaporator having an inlet and an outlet, an expansion valve communicating with said inlet and controlling admission of refrigerant medium to said evaporator, a refrigerant medium supply conduit clamped to said evaporator adjacent said outlet to heat the outlet portion of said evaporator, said conduit leading to said valve, and a temperature responsive bulb element controlling the operation of said valve and clamped to said evaporator adjacent said supply conduit such that said bulb element is heated by conduction through said evaporator from said supply conduit.

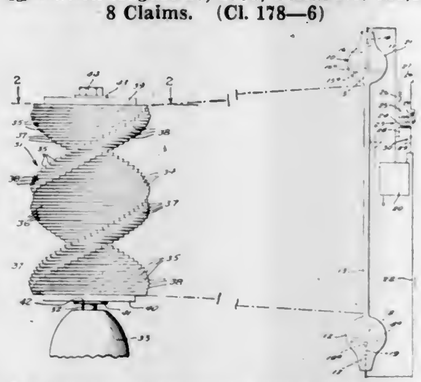
2,077,866

TELEVISION APPARATUS

Arno Zilger, Narberth, Pa., assignor, by mesne assignments, to National Television Corporation, Wilmington, Del., a corporation of Delaware

Application August 10, 1932, Serial No. 628,159

8 Claims. (Cl. 178—6)



1. A television scanning device comprising a plurality of plates arranged in a stack and rotatable about the axis of said stack, one edge only of each plate being used for scanning a picture, said edge having a high reflecting surface at a uniform angle to the axis of said stack and adapted to form one line of the picture and the reflecting edges of successive plates being spaced angularly around the axis of said stack, all other edges of said plates being formed at a different angle to the axis of said stack, said angle being such that light is directed from said other edges outside the field of vision as defined by said highly reflecting surfaces.

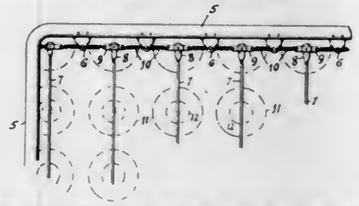
2,077,867

BEDSPRING

Isidore Zimet, Brooklyn, N. Y.

Application March 14, 1936, Serial No. 68,859

1 Claim. (Cl. 5—264)



In a bed spring, a main frame, bars running transversely of the main frame and having their ends substantially in the plane of the main frame while the main portion of said bars are below the plane of said frame, lugs extending from the frame intermediate of the bars, yokes provided on the end of the bars, tension springs lying in a plane substantially parallel to the frame and yokes, and running substantially parallel to the sides of the frame connecting the ends of the yokes to proximate lugs, a secondary frame, and cushion springs interposed between and operatively connected to the secondary frame and the bars.

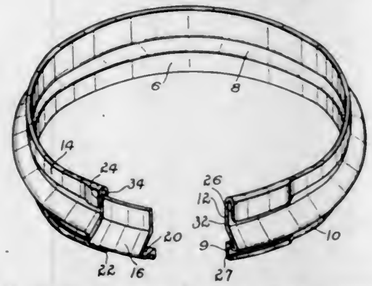
2,077,868

PIE JUICE RETAINER

Guy R. Adams, Seattle, Wash.

Application February 11, 1936, Serial No. 63,455

3 Claims. (Cl. 53—6)



1. A juice retainer, for pie pans, comprising a split annular band having a V-shaped groove and an upper juice-retaining flange, the ends of said band adapted to lap, one of said ends terminating in the groove and retaining flange formation and also having a lower bead, and the other end of the band having a downturned flange forming a groove to receive the end of the retaining flange and an upturned flange to form a lower groove for the reception of the bead.

2,077,869

HOSE COUPLING

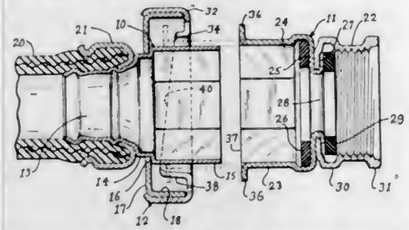
Morris H. Bennett, deceased, late of Prospect, Conn., by John T. Monzani, administrator, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application December 16, 1935, Serial No. 54,631

1 Claim. (Cl. 285—177)

In a detachable hose coupling, the parts of which are formed from sheet material, a pair

of telescoping shell members having mating polygonal parts for non-rotative liquid-tight connection with each other, the outer of said shell members having a pair of outstanding lugs, the inner of said members carrying a swiveled sleeve with inwardly extending cams for engaging said lugs to lock said shell members in



assembled position, said cam sleeve comprising a pair of interfitted annular cups, one of said cups being journaled on a cylindrical section of said inner shell member, and the other annular cup having its inner edge provided with a pair of arcuate lug-engaging cam segments spaced from the exterior surface of said inner shell member.

2,077,870

STABILIZING UNSET CONCRETE

Warren L. Beuschlein, Ira L. Collier, and Claude D. Cory, Seattle, Wash.

No Drawing. Application December 27, 1932, Serial No. 648,984

2 Claims. (Cl. 106—27)

1. The method of producing stabilized unset concrete which comprises incorporating in the concrete an amount of manganese resinate sufficient to reduce the surface tension of the aqueous phase to a value equivalent to not more than about 55 dynes per centimeter at 20° C.

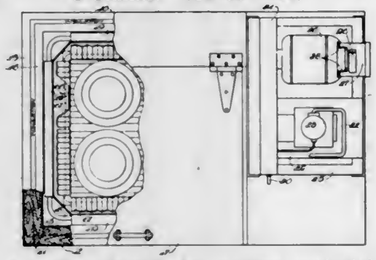
2,077,871

MILK REFRIGERATING CABINET

William F. Borgerd, Riverside, and Fred L. McCune and Charles A. Uherek, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application December 29, 1934, Serial No. 759,690

8 Claims. (Cl. 62—101)



1. A cooling device for cooling material at a rapid rate comprising a water tank, cooling coils positioned in said tank, means for supplying a refrigerant to said coils during a stand-by period of operation with heat removing capacity in excess of the heat transferred thereto whereby ice is formed around the coils, means for increasing the rate of refrigerating effect comprising gas distributing means positioned in the tank below liquid level and means for forcing a gas through said means whereby the water is agitated along the surface of the ice thereby increasing the rate of heat transfer, and means associated with said forcing means for stopping the supplying of gas after a predetermined period.

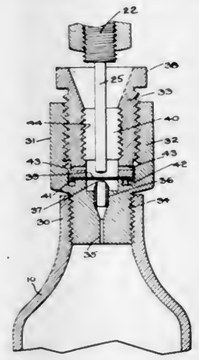
2,077,872

CARTRIDGE VALVE

Fisher L. Boyd, Haverford, Pa., assignor to National Foam System, Inc., Philadelphia, Pa., a corporation of Delaware

Application November 13, 1935, Serial No. 49,456

6 Claims. (Cl. 169—31)



1. In combination, a container for a liquid fire extinguishing medium having a filling opening, a closure member for sealing said opening and a spring-pressed plunger movable axially of said closure member, and a storage vessel for a pressure medium immovably suspended within said container immediately beneath said closure member, said vessel being provided in its upper end with a combination charging and discharging fixture comprising a chambered main body member axially bored to provide a communicating passage between the chamber in said body member and the interior of said vessel, an axially bored plug adapted to be threaded into and out of said chamber, a sealing disc carried by said plug for normally sealing the bore of the latter against the passage of the pressure medium therethrough, and a tubular die disposed within the bottom of said chamber co-axially with respect to the bore of the latter and the plunger carried by the closure member, said die and plunger being arranged to either side of the sealing disk so that upon striking the latter the die operates to pierce the disk and so permit the escape of the pressure medium from the vessel into the container.

2,077,873

TUNGSTEN METAL AND PROCESS FOR MAKING THE SAME

Chester H. Braselton, New York, N. Y., assignor to Sirian Wire and Contact Company, Newark, N. J., a corporation of Delaware

No Drawing. Application December 29, 1934, Serial No. 759,693

32 Claims. (Cl. 75—84)

1. The process of obtaining tungsten metal which comprises reducing in hydrogen a mixture of dehydrated tungstic acid and alkali metal tungstate to tungsten and another alkaline compound, forming the resultant product into an ingot, substantially completely volatilizing in hydrogen the alkaline compound of the ingot, and mechanically working the ingot to size.

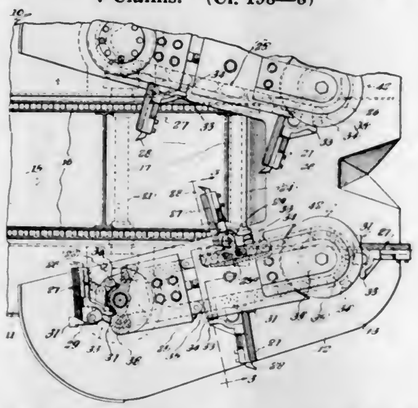
2,077,874
SOLVENT
Paul V. Brower, Maywood, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application September 7, 1934, Serial No. 743,114
12 Claims. (Cl. 41—31.6)

1. A solvent mixture for dissolving ink in a process of transferring designs, drawings, written and typewritten material comprising a major proportion of a fluorochloroethane, and a small proportion of a substantially non-volatile miscible organic liquid capable of preventing the formation of a surface film during evaporation.

2,077,875
COMPOSITION OF MATTER YIELDING FILMS
Edmond H. Bucy, Waukegan, Ill., assignor to Atlas Powder Company, North Chicago, Ill., a corporation of Delaware
No Drawing. Application November 17, 1933, Serial No. 698,539
9 Claims. (Cl. 134—79)

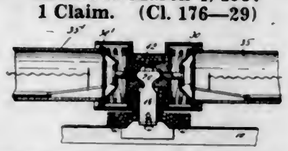
1. A composition of matter yielding a film cracking into a multitude of fine spots, said composition comprising a mixture of a metallic soap, of a metallic base and a solvent selected from the hydrocarbons and their halogen, sulphur and hydrogenated derivatives, part only of said mixture being dissolved by and the balance being suspended in said solvent.

2,077,876
LOADING MACHINE
Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 28, 1935, Serial No. 56,412
7 Claims. (Cl. 198—8)



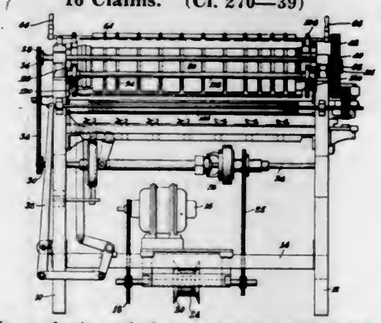
1. In a loading machine, a conveyer, a chain guiding member extending along said conveyer, an endless chain guided for orbital movement thereabout, a gathering arm pivotally mounted on said chain, a leg extending rearwardly from said arm in a plane spaced from the plane of travel of said chain, a lug on said chain adapted to be engaged by said leg for restraining pivotal movement of said arm in a rearward direction while traveling along the sides of said guiding member, said leg and lug being so arranged that said leg may clear said lug and said arm may fold rearwardly along said chain at its turning point away from said conveyer, and said chain guide having a cam like surface at its end where said arms turn away from said conveyer for engaging said leg and pivoting said arm to a normal extended gathering position.

2,077,877
LAMP SOCKET
Leonard O. Erikson, Malden, Mass.
Application August 18, 1934, Serial No. 740,449
Renewed March 4, 1937
1 Claim. (Cl. 176—29)



The combination with a tubular lamp having metallic end closures electrically connected to the filament thereof, of a pair of oppositely-disposed insulating caps disposed on the respective ends of said lamp, and a pair of conducting members of resilient material, each disposed within one of said insulating caps and resiliently secured to said end closures, the proximate ends of said insulating caps extending over and beyond said metallic end closures and conducting members, respectively.

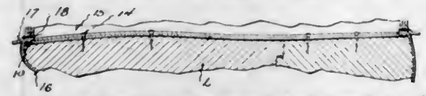
2,077,878
TOWEL CUTTING AND FOLDING MACHINE
William Fairchild, Albany, N. Y., assignor to A. P. W. Paper Company, Inc., a corporation of New York
Application March 9, 1936, Serial No. 67,789
16 Claims. (Cl. 270—39)



1. In a device of the character described, the combination of a cutting roll, means carried thereby for grasping and holding the forward portion of a web of paper from which a sheet has been cut, means for cutting from such web a sheet after a predetermined degree of rotation of such cutting roll, means for forcing the central portion of such cut sheet from the cutting roll to the bight of a pair of creasing rolls, and driving gears for said rolls synchronized so that the peripheral speed of the creasing rolls is less than half the peripheral speed of the cutting roll whereby each sheet is delivered from the cutting roll before a previous sheet is released from the creasing rolls.

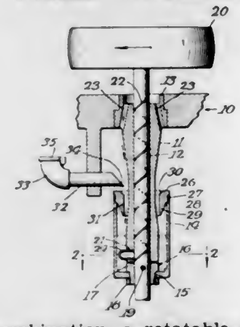
2,077,879
SHOE
Adolph F. Filsinger, Wausau, Wis.
Application October 2, 1936, Serial No. 103,659
1 Claim. (Cl. 12—142)

The process of constructing a shoe which consists in utilizing an insole of extremely thin material, placing said insole on a last having a marginal raised edge, placing an insert of predetermined form and less width and length than said last and of a smaller size than the inner edge of the marginal raised portion of the last on the



insole, and securing the insert and insole on the last against movement, turning up the marginal edge of the insole between the insert and the marginal raised portion of the last, and securing an upper and a welt to the upturned portion of the insole.

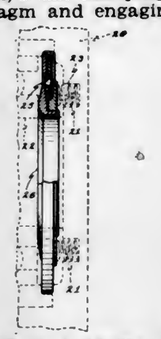
2,077,880
LUBRICATING MECHANISM
Remi J. Gits, Riverside, Ill.
Application August 15, 1933, Serial No. 685,274
3 Claims. (Cl. 308—134.1)



1. In combination, a rotatable shaft member, an upstanding elongated bearing member for said shaft member, one of said members having a reservoir attached thereto and extending over the lower portion only of said bearing, the other member having an oil scoop attached thereto within said reservoir and extending outwardly beyond the periphery of the bearing, one of said members having a helical groove extending upwardly from said scoop and in communication therewith, said groove being located between said members and extending upwardly in a direction to cause oil brought in contact with said scoop by the relative rotation of said scoop and reservoir to travel upwardly along said groove during the normal operation of said shaft and a passage for conducting the oil discharged from said groove downwardly along the exterior of said bearing member toward said reservoir, an inwardly and downwardly tapering annular cap for the reservoir surrounding and being spaced from the bearing member, whereby oil forced upwardly in the reservoir will be deflected downwardly and oil flowing down the outer surface of the bearing member may freely enter the reservoir.

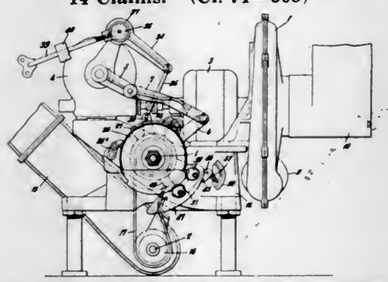
2,077,881
OIL SEAL
Remi J. Gits, Chicago, Ill.
Application February 18, 1935, Serial No. 6,937
2 Claims. (Cl. 286—11)

1. As an article of manufacture, a unitary cartridge type oil seal comprising a cupped ring-like shell having an axially extending portion and an inwardly extending flange-like radial portion, a sealing ring disposed concentrically within said shell and having an axially facing bearing surface, a flexible radially extending ring-like diaphragm having an axially extending flange on its outer margin, said diaphragm being nested in said shell with its outer margin in engagement with the flange-like portion of said shell and its marginal flange in engagement with the axial portion of said shell, a flat clamping ring nested within said diaphragm and engaging the outer



margin thereof to flatly hold the same against the radial flange-like portion of said shell, said axially extending portion of said shell together with the axially extending flange of said diaphragm being turned inwardly over the outer margin of said clamping ring to secure the same, and means to clamp the inner margin of said diaphragm to said sealing ring.

2,077,882
STOKER
Cortice H. Hall, Glen Rock, and Frederick Lee Hilder, Clifton, N. J., assignors, by mesne assignments, to Electric Furnace-Man, Inc., New York, N. Y., a corporation of New York
Application July 9, 1932, Serial No. 621,624
14 Claims. (Cl. 74—568)



7. In combination with a stoker mechanism comprising means for feeding fuel to a burner, means for feeding a combustion supporting gas to the burner, a rotatable regulator for regulating said fuel feeding means, and means for regulating the supply of the said gas to the burner, a device for correlating the rate of feed of fuel with the rate of feed of the combustion supporting gas comprising a cam, actuated by said rotatable regulator, for increasing the feed of said gas with increased feed of fuel, and means for varying the distance of an end portion of said cam from the center of rotation of said rotatable regulator without substantially altering the distance of the other end portion of the cam from said center of rotation.

10. An adjustable regulator comprising a movable member adapted to move in a given path, a cam member, a circular member in contact with said cam member and pivotally mounted on said

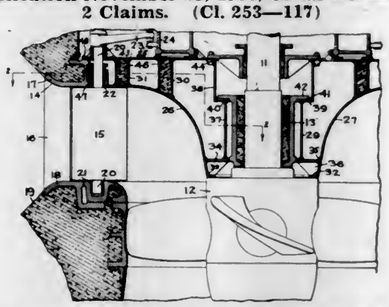
movable member for eccentric movement with respect to the center of the circular member, and means mounted on said movable member in contact with said cam member, said members and means being so constructed and arranged that upon rotation of said circular member, said cam member may be adjusted in a direction transverse to the path of movement of said movable member.

2,077,883
HYDRAULIC TURBINE

Norman C. Hand, Toronto, Ontario, Canada, assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania

Application November 23, 1936, Serial No. 112,226

2 Claims. (Cl. 253—117)



1. A crown plate for turbines comprising a relatively thin sheet metal conical outer wall, a horizontal sheet metal top wall, and a plurality of radial and circular struts interposed between said outer and top walls, each of said struts being composed of a pair of spaced parallel vertical sheet metal plates and diagonally disposed reinforcing members within said struts and weld connected to the parallel sheet metal side plates thereof, said side walls of the struts being weld connected to the outer wall and top of the crown plate.

2,077,884
LIGNIN SULPHONIC ACID MOLDING COMPOSITIONS AND METHOD OF TREATING SAME

Guy C. Howard and Lloyd T. Sandborn, Wausau, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin, and Guy C. Howard Company, Rothschild, Wis., a corporation of Washington

No Drawing. Application July 19, 1934, Serial No. 736,040

26 Claims. (Cl. 18—47.5)

1. The process of producing a hard, dense material which consists in subjecting a mixture of calcium salt of lignin-suphonic acid, substantially free from non-ligneous organic matter and containing approximately 32 parts of sulphur in the sulphonic group to 600 parts of lignin substance and a lime content in large excess over that required to form a salt with the sulphonic group present, and a plasticizing agent therefor to pressure at a temperature above 100° C.

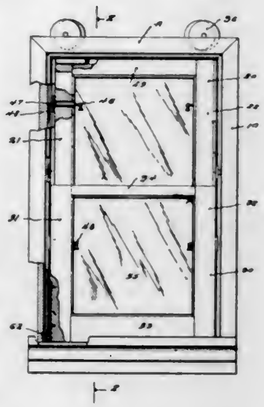
2,077,885
SWINGING WINDOW

Jesse R. Howard, Milwaukee, Wis., assignor to Howard Safety Window, Incorporated, Milwaukee, Wis.

Application February 20, 1935, Serial No. 7,399

3 Claims. (Cl. 20—49)

1. In a window construction, a window frame having stop and parting beads, the opposite faces of the beads being provided with vertical guideways, slide plates slidably mounted between the beads having upper and lower guide ears projecting laterally beyond the longitudinal edges of the slide plates slidably received in said guide-



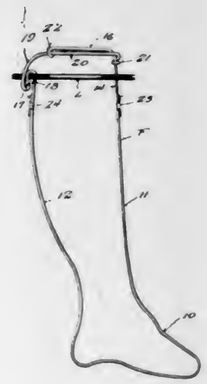
ways, arms pivotally mounted to the lower ends of the slide plates, window sashes for the frame, means securing the arms to the outer faces of the side rails of the sashes, and means for detachably locking the sashes to the slide plates at a point spaced from the pivot pins of the arms.

2,077,886
STOCKING FORM

Arthur W. Juergens, Milwaukee, Wis.

Application April 29, 1935, Serial No. 18,715

2 Claims. (Cl. 223—75)



1. A form for drying and stretching stockings constructed from a single length of wire, said wire being shaped to define a foot and a leg portion to conform to the configuration of a stocking to be dried, the leg portion including side wire strands, hooks formed in the upper ends of the wire strands at right angles to one another, and oppositely bowed arcuate extensions formed in said wire above the hooks having their terminals coiled about the wires at spaced points.

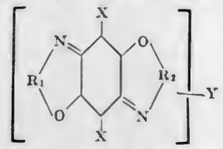
2,077,887
DYESTUFFS OF THE DIOXAZINE SERIES SOLUBLE IN WATER AND A PROCESS OF PREPARING THEM

Georg Kränzlein, Heinrich Greune, and Franz Brunnträger, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application October 21, 1931, Serial No. 570,254. In Germany October 29, 1930

7 Claims. (Cl. 260—28)

5. The compounds of the following formula:



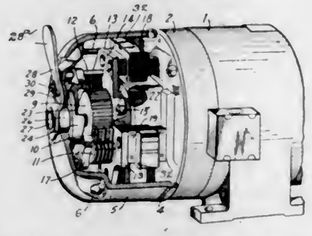
wherein X represents a substituent of the group consisting of hydrogen, halogen, alkyl, aralkyl of the benzene series and aryl of the benzene series and R_1 and R_2 stand for identical diphenyl radicals bound in two adjacent positions to the oxygen and nitrogen atoms and Y means that the products are sulfonated, being soluble in water and dyeing the animal, vegetable and artificial fiber.

2,077,888
MOTOR BRAKE

Everett P. Larsh, Vandalia, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio

Application July 20, 1935, Serial No. 32,418

12 Claims. (Cl. 188—171)



1. A brake assembly associated with an electric motor for retarding the rotation of the motor shaft and carried wholly by the motor frame, including a splined hub carried by the motor shaft, a series of alternating non-rotative and rotative brake rings the latter being carried by the splined hub for unison rotation therewith but capable of axial adjustment relative thereto, a series of mounting studs upon which the non-rotative rings are mounted for axial adjustment, an axially movable pressure plate, a series of helical springs exerting pressure thereon to compress the brake rings one against the other, a series of electromagnets arranged in different radial positions, coacting armatures therefor carried by the pressure plate and attracted by the magnets to retract the pressure plate against the tension of the springs, an abutment plate mounted for axial adjustment relative to the brake rings against which the brake rings are pressed by the pressure plate under influence of the springs, said abutment plate having a helical lateral face, a rotative adjusting head having a complementary lateral helical face abutting that of the abutment plate and means for rotatively adjusting the head to vary the relation of the abutment plate to the brake rings and pressure plate, and thereby change the compression tension upon the brake rings.

2,077,889
ACOUSTICAL CONSTRUCTION

Jacob Mazer, Elkins Park, Pa.

Application February 7, 1936, Serial No. 62,739

6 Claims. (Cl. 154—44)



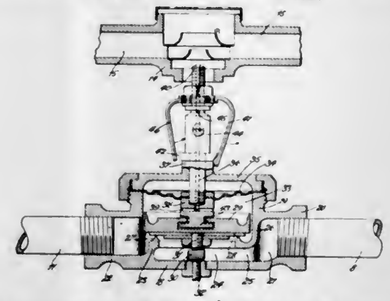
1. A structure adapted for use for acoustical purposes on the walls or ceilings of buildings, comprising a facing sheet and a spacing member attached thereto, such spacing member consisting essentially of soft compressible approximately homogeneous sheeted felt which is attached to the facing member along spaced bands with loops extending back between such bands adapted for attachment to a backing element said loops being large enough so that under pressure they will form a series of soft, compressible rows of overlapping material to hold the facing sheet spaced from such backing element.

2,077,890
GAS RANGE

Carl E. Methudy, St. Louis, Mo., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, a corporation of Ohio

Application October 2, 1929, Serial No. 396,724

1 Claim. (Cl. 158—117.1)



In combination, a gas range having a plurality of burners, a pilot light casing, tubes branching from said pilot light casing to each of said burners, said pilot light casing and said tubes forming an integrated, rigid, removable structure normally supported by said burners, a pilot burner separate from said pilot light casing and unattached thereto, said pilot burner being constructed and arranged to maintain a flame within said casing, and a thermostatically controlled valve controlling the gas supply of all said burners in accordance with the condition of the pilot burner.

2,077,891
MEANS FOR JOINING THE ENDS OF DRIER FELTS AND THE LIKE

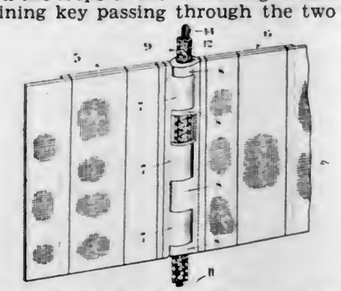
Tom Milnes, Lachute Mills, Quebec, Canada, assignor of one-half to Ayers Limited, Lachute Mills, Quebec, Canada

Application December 16, 1935, Serial No. 54,634

2 Claims. (Cl. 24—33)

1. A drier felt having end portions turned back and fastened to the body of the felt to provide in-

tegral tubular terminals, each of said terminals being slotted to provide a series of loops fitted between the loops of the remaining terminals and a retaining key passing through the two sets of



loops and serving to hold them in their interfitting relation, said key comprising a highly flexible core completely enclosed within a fabric covering contacting said loops.

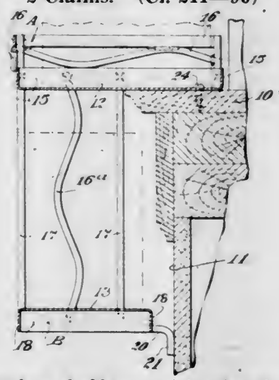
2,077,892

WINDOW SHELF

Marcel Mulet, New York, N. Y., assignor to Nan B. Salterini, New York, N. Y.

Application November 17, 1936, Serial No. 111,193

2 Claims. (Cl. 211—90)



1. A window shelf comprising two independent and superimposed trays distant from each other, the upper tray being of greater depth than the lower tray and adapted to extend upon and over the window sill and outwardly of the window sill to be in vertical parallelism with the lower tray, the upper tray having upwardly bent flanges, the lower tray having downwardly bent flanges, and tie members extending between and fixed to the flanges of the upper and lower trays to secure said trays in spaced relation, one pair of said tie members extending rearwardly of the lower tray and adapted to rest against the wall below the window sill.

2,077,893

VAT DYESTUFFS OF THE DIBENZANTHRONE SERIES

Heinrich Neresheimer, Anton Vilsmeier, and Robert Held, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 16, 1936, Serial No. 90,898. In Germany July 24, 1935

7 Claims. (Cl. 260—61)

1. Vat dyestuffs of the dibenzanthrone series selected from the class consisting of dibenzanthrones containing from three to four alkoxy groups in the Bz2,Bz2', Bz3 and Bz3'-positions and the halogenated derivatives of these compounds.

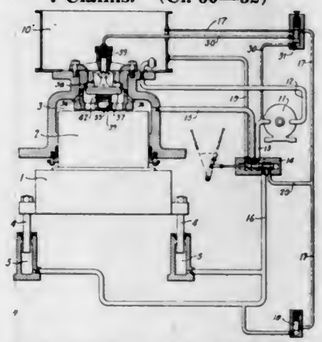
2,077,894

SURGE CONTROL VALVE FOR HYDRAULIC PRESSES

Isaac Patrick, Salem, Ohio, assignor to E. W. Bliss Company, Toledo, Ohio, a corporation of Delaware

Application August 13, 1934, Serial No. 739,537

7 Claims. (Cl. 60—52)



1. In combination, a main cylinder, an opposing push-back cylinder, plunger means having parts operable in said cylinders, a surge tank in communication with said main cylinder, a main surge valve and an associated relief valve normally closing said communication, fluid pressure actuated means operable to open said relief and main valves in predetermined sequence, and controlled means operable to supply fluid pressure to said valve opening means whenever pressure admitted to either the main or push-back cylinder exceeds a predetermined amount.

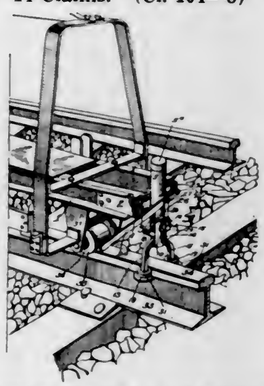
2,077,895

TRACK GRINDER

Henry J. Perazzoli, Philadelphia, Pa.

Application November 12, 1934, Serial No. 752,750

14 Claims. (Cl. 104—8)



1. A device for clamping and supporting mobile units upon railway track rails, including arms pivotally connected to each other in opposed relation, means for locking the arms in relatively separated position, said means being releasable to permit the ends of said arms to swing toward each other by gravity, and means operable to lower the arms so that upon upward movement thereof and release of the locking means, said arms will swing toward each other and engage the rail head.

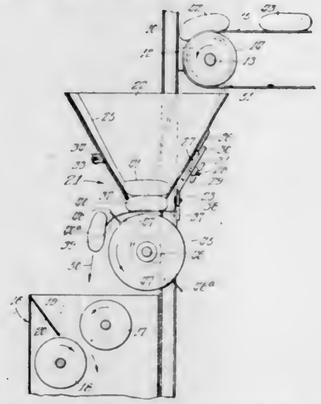
2,077,896

DOUGH FEEDING MEANS

Claude E. Quick, Glendale, Calif., assignor to Western Bakeries Corporation, Ltd., Los Angeles, Calif., a corporation of California

Application February 12, 1936, Serial No. 63,521

4 Claims. (Cl. 107—7)



1. Dough feeding means comprising, in combination, a temporary support for a lump of dough, a bracket associated with the support, a hopper carried by said bracket for initially receiving said lump of dough, and means carried jointly by the hopper and bracket for adjusting the hopper with respect to the support.

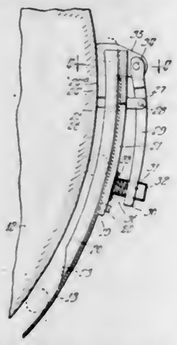
2,077,897

MOLDER KNIFE DEVICE

Claude E. Quick, Glendale, Calif., assignor to Western Bakeries Corporation, Ltd., Los Angeles, Calif., a corporation of California

Application March 12, 1936, Serial No. 68,461

4 Claims. (Cl. 107—9)



1. In a molder knife device, the combination with a revolving drum and an arcuate pressure plate spaced therefrom, of a divider web attachment carried by the pressure plate at the discharge end thereof, a knife disposed between the drum and the pressure plate, and means carried by the web attachment pressing the knife against the drum.

2,077,898

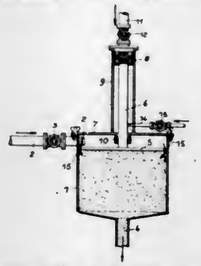
CONTAINER FOR GRANULAR AND LIKE MATERIALS

Friedrich Rolff, Berlin, Germany

Application September 15, 1934, Serial No. 744,104

In Germany June 14, 1934

6 Claims. (Cl. 302—52)



1. In a container for granular and like materials adapted to be emptied by a pressure agent, an outlet for the said material located at the bottom of the container, an impeller having a smaller diameter than the said container and pressing against the upper free surface of the said material, means for admitting pressure to the said container above the said impeller, and means for regulating the pressure admitted to the said container.

2,077,899

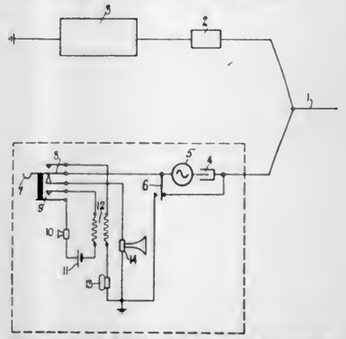
ELECTRICAL SIGNALING SYSTEM

Philip Norton Roseby, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware

Application June 29, 1934, Serial No. 732,990

In Great Britain August 3, 1933

2 Claims. (Cl. 179—3)



1. In a combined telephone and telegraph line, a pair of branch circuits connected to the line in multiple, one branch circuit including telegraph equipment and a low pass filter connected in series in said one branch, the other branch including telephone equipment, a calling generator and a condenser connected in series with the telephone equipment in said other branch, said low pass filter preventing signaling current from the generator from passing into the first branch, and said condenser preventing sub-normal frequencies in the telephone circuit from reaching the line.

2,077,900

CLOTH CUTTING MACHINE

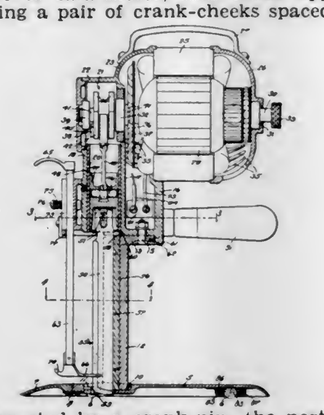
Nathan Ross, Los Angeles, Calif.

Application July 17, 1935, Serial No. 31,803

12 Claims. (Cl. 164—75)

1. A cloth cutting machine, consisting of a

base, rollers upon which said base is mounted, a standard fixedly secured to said base, a frame including a motor-housing rigidly mounted on said standard, a motor in said housing, said frame including a cylindrical bore and a crank-case in superposed relation, crank apparatus in said crank-case operatively connected to the armature of said motor, said crank apparatus comprising a pair of crank-cheeks spaced apart



and connected by a crank-pin, the portions of said crank-cheeks opposite said crank-pin being counterweighted to substantially compensate for the gravity of said crank-pin and a connecting-rod, said rod connected to said crank-pin, a cylindrical cross-head operatively connected to said connecting-rod slidable in said bore, and a cutting-blade connected to be reciprocated in said standard through the movements of said cross-head.

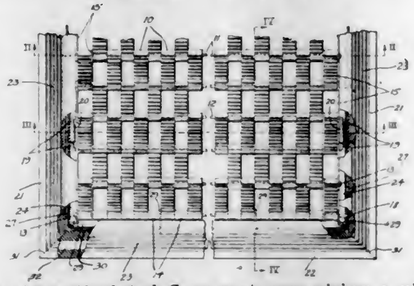
2,077,901

ARTICULATED FLOOR MAT

Harry R. Russon, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application February 27, 1935, Serial No. 8,524

17 Claims. (Cl. 20—74)



1. An articulated floor mat comprising a plurality of tread links arranged in staggered, side-by-side lapping relation, pivot rods connecting tread links, a nosing strip disposed about the marginal edges of said mat, said nosing strip having a hole extending longitudinally therethrough and a plurality of transversely extending recesses intersecting said hole at intervals, said hole and recesses being arranged entirely below the upper surface of said nosing strip to leave an unbroken upper tread portion on said nosing strip, metal stub-links connected with the pivot rods at opposite ends of said mat and extending into said recesses, and means extending through said hole and through said stub links for securing said nosing strip to the ends of the link portion of said mat.

2,077,902

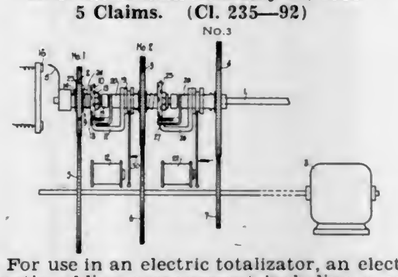
ELECTRIC TOTALIZATOR

Robert Norman Saxby, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware

Application January 27, 1934, Serial No. 708,534

In Great Britain February 27, 1933

5 Claims. (Cl. 235—92)



1. For use in an electric totalizator, an electromagnetic adding arrangement including a common shaft, a series of rotatable sleeves mounted on the shaft, a common drive, a slip clutch for each sleeve for linking it to the common drive, an escapement for operating each sleeve and a magnet for operating each escapement to permit rotation of its associated sleeve by the common drive, the pawl of each escapement member mounted on the preceding sleeve and rotatable therewith, the pawl of each escapement also movable axially on the sleeve upon which it is mounted, by its magnet, to rotate the sleeve which it controls step by step, and each pawl movable in a rotary direction to rotate two sleeves together.

2,077,903

PROCESS OF PREPARING 3-AMINO-QUINOLINES

Hans Schlichenmaier, Kelkheim in Taunus, and Ludwig Schörnig, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 10, 1934, Serial No. 756,894. In Germany December 15, 1933

7 Claims. (Cl. 260—38)

1. The process which comprises heating for several hours a 3-hydroxy-quinoline with ammonia in a closed pressure vessel.

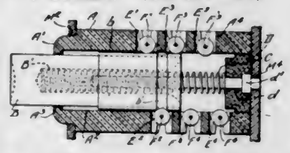
2,077,904

MOTOR CONTROL

James A. Shepard, Montour Falls, N. Y., assignor to Shepard Niles Crane & Hoist Corporation, Montour Falls, N. Y., a corporation of New York

Application February 15, 1933, Serial No. 656,828

7 Claims. (Cl. 200—16)



1. A push button mechanism adapted for crane and hoist variable speed motor control and comprising a switch body, a longitudinally movable push button actuated plunger mounted in said body for advancement by finger actuation from an initial position in successive steps into operating positions at successively greater distances from said initial position, a return spring opposing such advancement and tending to return said plunger to said initial position, and a plurality of circuit controlling elements mounted in said body for movement into and out of the path of movement of said plunger and each including resilient means opposing movement of the element out of and tending to hold the element in said path, said elements and plunger being so relatively arranged that one or another of said elements is engaged and moved out of, or is permitted to return into said path by said plunger accordingly, as the latter is advanced into or returned from one or another of said different operating positions, the said elements successively engaged and disengaged by said plunger on a continuous movement of the latter in one direction or the other, being located at different sides of the path of movement of the plunger so as to thereby minimize the resultant lateral thrust on the plunger of the different elements engaged by the latter.

2,077,905

EMULSIONS

Preston R. Smith, Rahway, N. J., assignor, by mesne assignments, to The Barber Company, Inc., Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application February 11, 1929, Serial No. 339,264

5 Claims. (Cl. 106—31)

1. The method of forming a bituminous composition, which includes mechanically admixing an aggregate carrying a water-soluble alkaline earth salt and a water external phase bituminous emulsion of the soap type while reacting on alkaline earth salt carried by the aggregate adjacent its surface with a salt adapted to form therewith a water-insoluble compound, said last mentioned salt being in amount sufficient to react with substantially all of said alkaline earth salt adjacent the surface of the aggregate and continuing the admixing until the aggregate is substantially uniformly coated with bitumen.

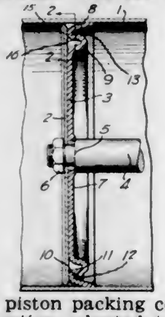
2,077,906

CYLINDER PACKING RING

Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 9, 1934, Serial No. 739,082

3 Claims. (Cl. 309—33)



1. A circular piston packing comprising a flat central body portion adapted to cover the flat central portion of a piston follower and to be attached to the follower, and two oppositely extending contiguous concentric corrugations formed in the face side of the outer portion of the packing, there being an intermediate corrugation wall common to both corrugations, the outer wall of the outer corrugation forming the skirt of the packing, and an oil wick contained in the end of the outer corrugation, and means integral with the wall which is common to both corrugations adapted to hold said wick place in the outer corrugation.

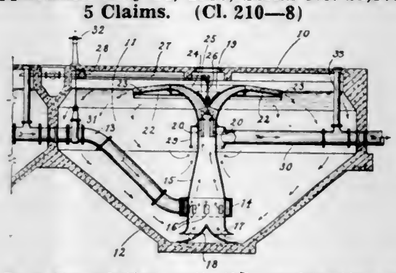
2,077,907

MEANS FOR TREATING SEWAGE, INDUSTRIAL WASTES, AND THE LIKE

Philip B. Streander, Scarsdale, N. Y., assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y., a corporation of New York

Application May 14, 1935, Serial No. 21,378

5 Claims. (Cl. 210—8)



5. In a flocculation unit, the combination with a tank, a central draft tube and means for passing liquid upwardly through said draft tube and distributing it over the surface of the tank whereby liquid will be circulated upwardly through the draft tube and downwardly at the sides of the tank, of means for introducing influent liquid into the lower part of the draft tube, and means for withdrawing the liquid with flocculated material therein from the central part of the tank so as to maintain a mixing and circulating action in the central part of the tank.

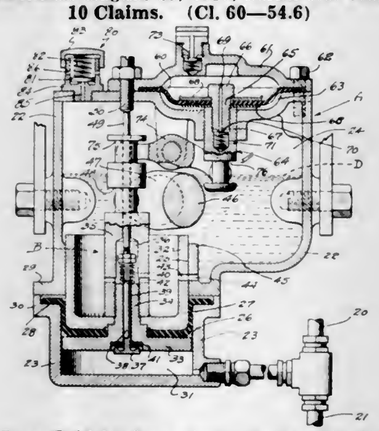
2,077,908

BRAKE

John W. Tatter, Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application August 29, 1930, Serial No. 478,699

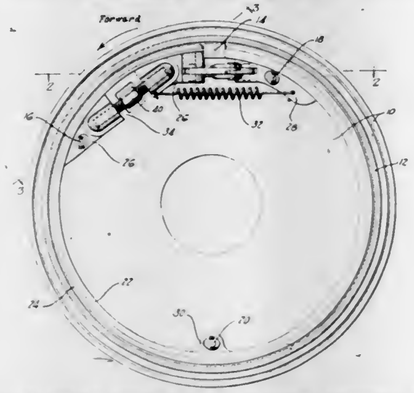
10 Claims. (Cl. 60—54.6)



1. In a fluid brake system, the combination of means for applying pressure to the fluid of the

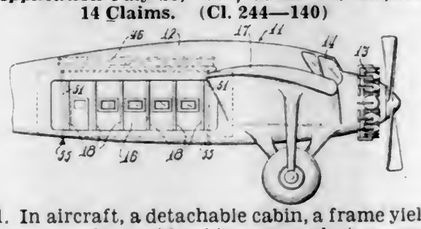
brake system, said means being provided with a rod having a plurality of portions, each of said portions having a shoulder thereadjacent, air pump means provided with a rod having a portion with a shoulder thereadjacent, pivotally mounted means engaging the shoulder adjacent said portion of the rod of said air pump means, said pivotally mounted means engaging the shoulder adjacent one of said portions of said first mentioned means, and pivotally mounted means engaging the shoulder of the other of said portions of said first mentioned means.

2,077,909
BRAKE
Eugene V. Taylor, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application July 26, 1930, Serial No. 470,799
3 Claims. (Cl. 188—78)



1. A brake comprising a friction element rectangular in cross-section and of tapering cross section, flanges on the respective separable ends of the friction element, lugs on the flanges extending in opposite directions, a toggle connecting the lugs and an operating cable connected to the knee of the toggle.

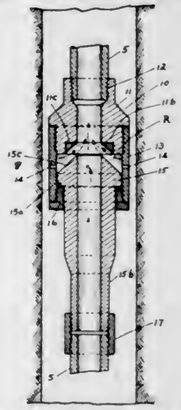
2,077,910
FLYING MACHINE
Robert M. Thomson, Indianapolis, Ind.
Application July 28, 1933, Serial No. 682,589
14 Claims. (Cl. 244—140)



1. In aircraft, a detachable cabin, a frame yieldingly secured to said cabin, a parachute secured to and adapted to lie on said frame, and said yieldable securing means including means depending below said cabin to absorb the landing shock of said cabin.

2,077,911
VALVED COUPLING FOR GAS WELLS
George E. Van Voorhis, Dilliner, Pa.
Application December 10, 1934, Serial No. 756,773
1 Claim. (Cl. 251—8)

A coupling for joining upper and lower sections of well-tubing, said coupling comprising a head for attachment to the end of one of said sections of tubing, a passage extending through said head and adapted to communicate with the bore of said section of tubing, a tapered seat of special material embodied in said head adjacent to one end of said passage, a cylinder portion integrated with and extending from said head, said cylinder portion being of greater radial extent than said seat, a hollow plunger adapted to be secured to the end of said other section of tubing and to comprise a continuation of the bore thereof, said plunger extending into said cylinder portion and including a conical end cooperating with said seat, said plunger including a shoulder



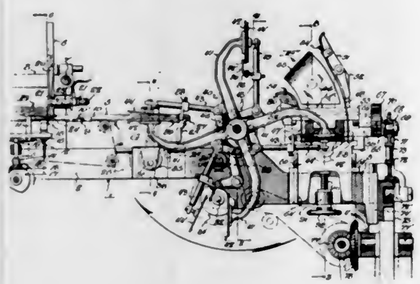
within said cylinder portion, and means carried by said cylinder portion and cooperating with said shoulder to secure the parts in assembly, the taper of said seat and the conical end of said plunger being inclined upward and inward relatively to the axis of the coupled sections of tubing, whereby, by moving said upper section of tubing relatively to the lower, the tapered seat moves from said conical end and forms an upwardly inclined aspirating passage communicating with the bore of the tubing assembly, and said cylinder portion including an inlet port normally closed by said plunger and communicating with said aspirating passage when said upper section of tubing is moved, as described.

2,077,912
OPERATION OF GAS WELLS
George E. Van Voorhis, Dilliner, Pa.
Application April 7, 1936, Serial No. 73,052
1 Claim. (Cl. 166—21)

In the operation of a gas-well which includes an outer passage extending downward into communication with a subterranean gas-yielding stratum, and an inner passage extending downward into communication with a lower gas-yielding stratum, the herein described method which includes normally drawing off gas from said lower stratum and conducting it upward through said inner passage, drawing off gas and water from said upper stratum and causing such gas to flow upward and said water to drain downward in said outer passage, to a level below the upper stratum, collecting such water in a reservoir extending downward in said well a relatively great distance below said upper stratum and separated from said lower stratum, occasionally interrupting such normal operation, and, by establishing flow between said reservoir and said inner passage at a point substantially below said upper stratum, emptying said reservoir, removing from the well the water emptied from said reservoir, and thereafter restoring the well to normal operation, whereby said upper stratum is maintained in substantially dry condition.



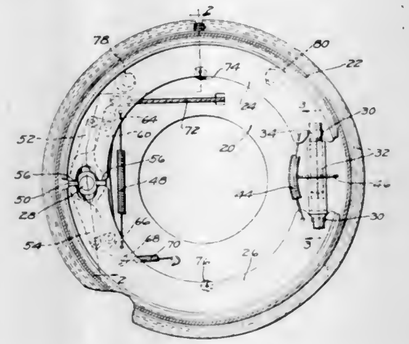
2,077,913
BOX-FORMING MACHINE
Marshall A. Waters, Green Bay, Wis.
Application June 22, 1935, Serial No. 27,876
4 Claims. (Cl. 93—44.1)



1. In a box-forming machine, a feeding mechanism, a magazine positioned above the feeding mechanism for receiving a stack of paper blanks, means for separating the lowermost blank from the stack and delivering the same to the feeding means, means for applying adhesive to portions of the blank, a rotary carrier for receiving said blanks, means for actuating the conveyor step by step and means for engaging the blanks while on the carrier to form the same into completed boxes.

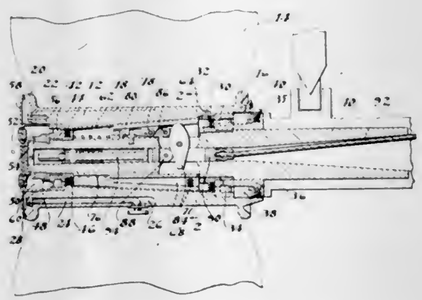
2,077,914
BRAKE
Harold G. Axtmann, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 28, 1932, Serial No. 625,494
11 Claims. (Cl. 188—78)

1. A brake comprising a drum, floating friction means, a backing plate having a single anchor projecting therefrom, and actuating means floatingly mounted on said anchor, and a lever pivoted



on said anchor and connected to said actuating lever by a radially extending link.

2,077,915
BRAKE
Raymond H. Beyer, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application October 16, 1930, Serial No. 489,025
13 Claims. (Cl. 188—18)

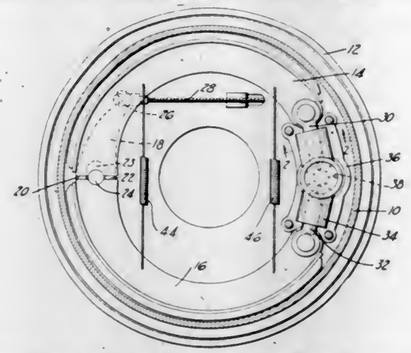


1. An axle having an expansible friction device mounted thereon, a tension operating element extending axially through said axle, and an operating part extending crosswise of said axle and connected to said element and arranged to expand the friction device.

2,077,916
BRAKE
Clarence E. Budd, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application September 28, 1933, Serial No. 691,361. Divided and this application February 5, 1936, Serial No. 62,399
4 Claims. (Cl. 188—79.5)

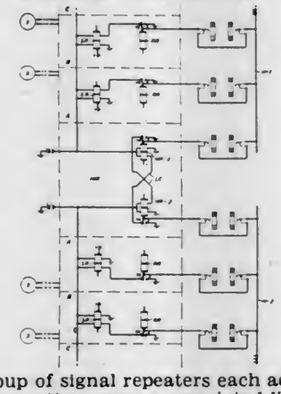
2. A brake comprising a drum, a backing plate, a pair of shoes therein, a strut link pivoted to an end of each shoe, and a housing for the strut

links comprising a forging and a stamping secured to the backing plate, said forging being



riveted to the backing plate and said stamping being welded to the forging.

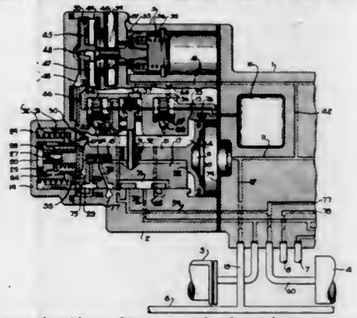
2,077,917
TELEGRAPH REPEATER
George C. Cummings, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 21, 1935, Serial No. 41,513
6 Claims. (Cl. 178—74)



1. A group of signal repeaters each adapted for two-way operation over an associated line circuit, a one-wire signaling connection between said repeaters, another group of repeaters each adapted for two-way operation over an associated line circuit and another one-wire signaling connection between the repeaters of said other group, and repeating means interconnecting said signaling connections for two-way communication between said groups of repeaters.

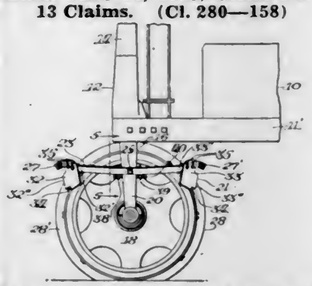
2,077,918
FLUID PRESSURE BRAKE
Sidney G. Down, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 6, 1936, Serial No. 62,623
17 Claims. (Cl. 303—42)

1. In a fluid pressure brake, in combination, a brake pipe, a quick action chamber, means operated by fluid under pressure to effect an emergency application of the brakes, an emergency valve device comprising a main slide valve having a port through which fluid under pressure is supplied from said chamber to said means, said port being at all times open to said means, an auxiliary slide valve mounted on and having a movement relative to said main slide valve for controlling



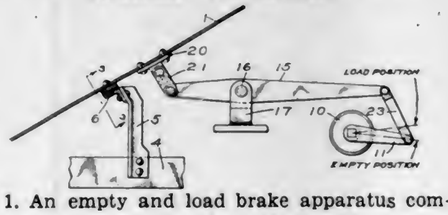
communication from said chamber to said port, and a piston operated upon a reduction in brake pipe pressure for operating said auxiliary slide valve.

2,077,919
MUD SCRAPER FOR TRACTOR WHEELS
Gustaf W. Engstrom, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 14, 1935, Serial No. 26,656
13 Claims. (Cl. 280—158)



13. The combination with a tractor of the tricycle type having a front steering truck, said steering truck having a steering truck wheel supported from a wheel frame, of a scraper attachment comprising means for scraping the aforesaid steering truck wheel, supporting means mounted on the wheel frame for supporting the aforesaid scraping means, means for adjusting the scraping means on the aforesaid supporting means, and adjusting means engaging said wheel frame for adjusting the aforesaid supporting means.

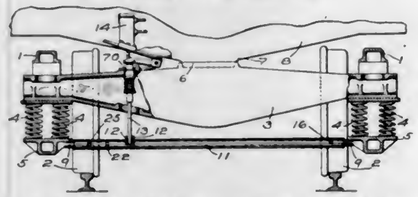
2,077,920
AUTOMATIC CONTROL FOR BRAKE SYSTEMS
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 15, 1935, Serial No. 26,741
10 Claims. (Cl. 188—195)



1. An empty and load brake apparatus com-

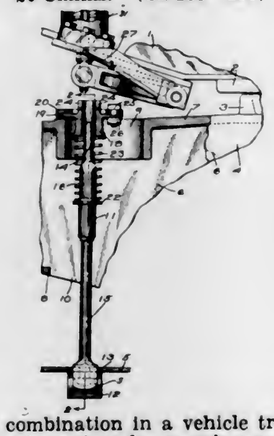
prising a device for varying the braking power, a car body including a slope sheet subject to the weight of the material forming the load on the car and adapted to be deflated thereby, means controlled by the deflection of said slope sheet for adjusting said device, and means adapted to have load supporting connection with the slope sheet at a point intermediate the margins thereof to limit the deflection of the slope sheet by the material supported thereon.

2,077,921
LOAD BRAKE MECHANISM
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 11, 1935, Serial No. 53,854
11 Claims. (Cl. 188—195)



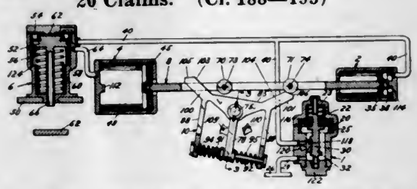
1. In a load brake controlling mechanism, in combination, a vehicle truck having a plurality of laterally spaced independently movable side frames, a member extending transversely of the truck and supported at its ends by said side frames, spring controlled wedge means for preventing free movement of said member relative to said side frames and for providing articulate connections between the member and side frames to prevent movement of one side frame being transmitted through the member to the other side frame, said member being adapted to support a mechanism operating element.

2,077,922
LOAD BRAKE MECHANISM
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 11, 1935, Serial No. 53,855
20 Claims. (Cl. 188—195)



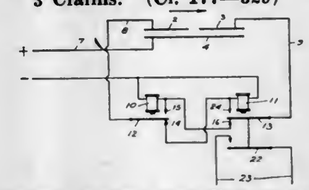
1. The combination in a vehicle truck having a support element and a member movable vertically relative to the support element, a mechanism controlling means carried by said support element and having a certain proper control position which is determined according to the position of the movable member with relation to the support element, means for comparing the relative positions of the movable member and the mechanism controlling means, and means for adjusting the position of said mechanism controlling means relative to said movable member.

2,077,923
EMPTY AND LOAD BRAKE DEVICE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 7, 1936, Serial No. 57,894
20 Claims. (Cl. 188—195)



1. In an empty and load brake equipment for a car, in combination, a device for varying the braking power, a movable element movable between spaced positions for adjusting said device, and an actuating element for moving said movable element, one of said elements having diverging cam surfaces associated therewith, the other of said elements having spaced cam engaging portions associated therewith and disposed between said cam surfaces, one of said cam engaging portions being adapted to engage one of the cam surfaces on movement of the actuating element in one direction, the other of the said cam engaging portions being adapted to engage the other of the said cam surfaces on movement of the actuating element in the opposite direction.

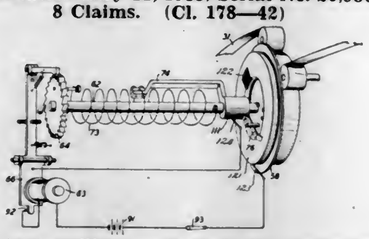
2,077,924
CONTROL
Charles D. Geer and John L. Biach, New Haven, Conn., assignors to The Engineering and Research Corporation, New Haven, Conn., a corporation of Connecticut
Application April 8, 1930, Serial No. 442,560
3 Claims. (Cl. 177—329)



1. A control system including power supply leads, a pair of circuit makers for sequential operation, a pair of relays, the first relay having one side of its coil connected to one power lead and having an operating circuit for the other side of its coil via a break contact on the second relay and via the second circuit maker to the other power lead, and having a holding circuit from said other side of its coil via a make contact operated when its coil is energized and via the first circuit maker to said other power lead, and the second relay having one side of its coil connected to said one power lead and having an operating circuit from the other side of its coil

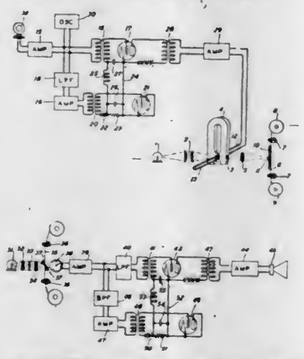
via a break contact on said first relay and via the first circuit maker to said other power lead, and having a holding circuit from said other side of its coil via a make contact operated when its coil is energized and via said second circuit maker to said other power lead, and a register circuit operated by operation of one of said relays.

2,077,925
TAPE PULLING MECHANISM
Edgar W. Gent, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 11, 1935, Serial No. 20,980
8 Claims. (Cl. 178—42)



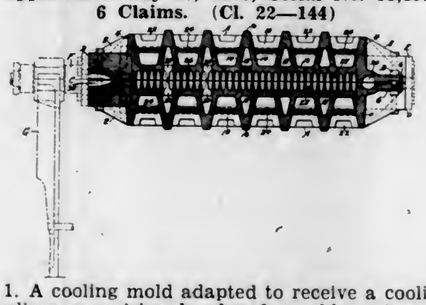
6. A tape pulling mechanism for continuously pulling a tape taut against a back tension applied to the tape by a tape feed mechanism such as included in a telegraph printer for intermittent feeding of the the tape which comprises a pulling drum adapted to pull the tape under tension, a motor connected for driving of said drum, a first contact member, a second contact member, a circuit controlled by said contact members for starting and stopping said motor, a coil spring connected to said motor to drive said drum, said first contact member being attached for rotation with one end of said spring, and said second contact member being attached for rotation with an intermediate point on said spring to keep said circuit closed under tension from said spring when the pull on said tape is normal and to open said circuit under tension from said spring when the pull on said tape is greater than normal.

2,077,926
SOUND RECORDING SYSTEM
Robert D. Gibson, Rahway, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 28, 1933, Serial No. 678,041
4 Claims. (Cl. 179—100.3)



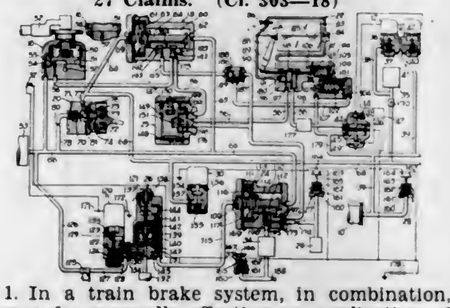
4. In a recording system, a source of signal current, a source of current of constant amplitude having a frequency outside the frequency range of said signal current, an amplifier having an anode, a cathode and a control electrode, means for energizing said cathode, a source of current connected between said anode and said cathode, a circuit for impressing a potential varying with the sum of said signal and said constant amplitude currents between the cathode and the control electrode of said amplifier, a recording device actuated by the output of said amplifier, a control circuit containing a rectifier energized by said signal current to impress a potential between said cathode and said control electrode whereby the amplification of said amplifier is varied inversely with a selected range of the amplitudes of said signal current and a network in said control circuit to exclude said constant amplitude current from said control circuit.

2,077,927
COOLING MOLD
Jesse Y. Glenn, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 27, 1935, Serial No. 33,489
6 Claims. (Cl. 22—144)



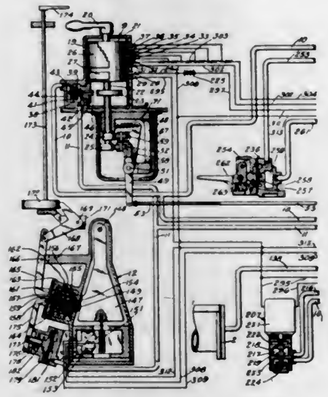
1. A cooling mold adapted to receive a cooling medium comprising, headers formed by outer and inner walls, end walls, a base portion connecting said inner walls and end walls to form a substantially pan-shaped portion, dividing members rising from said base and joined to said inner walls to thereby form matrices, fins on said base forming passages, and additional passages within the dividing members, said passages connecting the headers and being adapted to permit a positive and directed flow of cooling medium between the headers whereby at least four walls of each matrix are directly and substantially equally cooled by said medium.

2,077,928
AUTOMATIC TRAIN CONTROL BRAKE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 25, 1935, Serial No. 28,298
27 Claims. (Cl. 303—18)



1. In a train brake system, in combination, means for manually effecting an application of the train brakes either by straight air operation or by automatic operation, means controlled by the automatic train control apparatus of the railway system for effecting an application of the train brakes by straight air operation, and means operable upon failure of the application by straight air operation to materialize effectively for effecting the application by automatic operation.

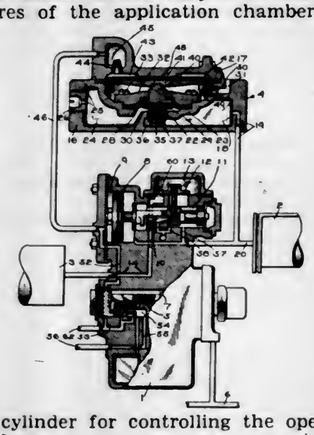
2,077,929
RAILWAY VEHICLE BRAKE SYSTEM
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 26, 1935, Serial No. 28,389
14 Claims. (Cl. 303—3)



1. In a brake equipment for vehicles, in combination, a brake cylinder, an electric track shoe braking means, a manually operable device for controlling the supply of fluid under pressure to said brake cylinder and the application and release of said track shoe braking means, a safety control pipe normally charged with fluid under pressure through a passage in said manually operable device, means responsive to a predetermined reduction in safety control pipe pressure for effecting the supply of fluid under pressure to said brake cylinder, electric circuit control means responsive to a predetermined reduction in safety control pipe pressure for effecting an emergency application of said track shoe braking means, and valve means in said manually operable device for closing the passage through which said safety control pipe is charged and for releasing fluid under pressure from said safety control pipe.

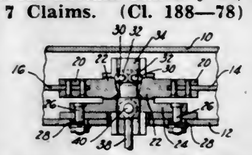
2,077,930
FLUID PRESSURE BRAKE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 12, 1936, Serial No. 100,490
4 Claims. (Cl. 303—69)

1. In a fluid pressure brake, in combination, a brake cylinder, a distributing valve device comprising valve means operable according to variations in fluid pressure in an application chamber for controlling the supply and release of fluid under pressure to and from the brake cylinder, and an auxiliary release valve device comprising a valve operative to control the release of fluid under pressure from the brake cylinder, and movable abutment means subject to the opposing pressures of the application chamber and the



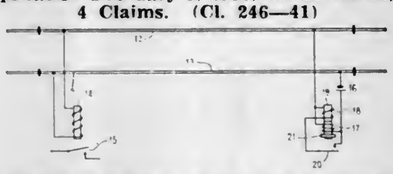
brake cylinder for controlling the operation of said valve.

2,077,931
BRAKE
John Samuel Irving, Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application December 6, 1934, Serial No. 756,304
In Great Britain January 12, 1934
7 Claims. (Cl. 188—78)



1. A brake comprising a support having mounted thereon friction means having separable ends, a guide on said support having aligned openings guidingly embracing parts on said ends having inclined surfaces, and said guide having at right angles thereto another opening perpendicular to the support, and an applying device in said other opening comprising a pair of rollers in rolling engagement each with the other and one of the inclined surfaces respectively and operating means engaging parts of said rollers.

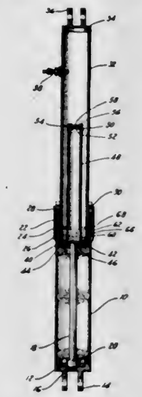
2,077,932
RAILROAD SIGNALING SYSTEM
Virgil E. James, Chicago, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 3, 1936, Serial No. 62,087
4 Claims. (Cl. 246—41)



4. The combination, with a track circuit and a source of current therefor, of a self-regulating variable resistance inserted between said circuit and said source, said resistance comprising a double wound differential relay operable over one winding responsive to an increase in ballast leakage to connect the second winding in parallel with

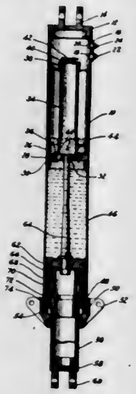
and in opposition to the first winding, thereby lowering the effective resistance, said second winding serving to lower the magnetization of the relay to enable it to readily deenergize when the ballast leakage decreases.

2,077,933
SHOCK ABSORBER STRUT
Carl V. Johnson, South Bend, Ind., assignor to Bendix Research Corporation, South Bend, Ind., a corporation of Indiana
Application March 7, 1931, Serial No. 520,773
18 Claims. (Cl. 267—64)



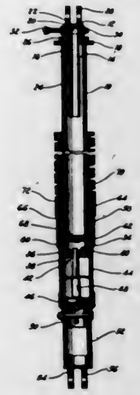
1. A shock absorbing strut comprising a piston having a metering orifice, a metering pin cooperating with the orifice, a chamber secured to the piston communicating with the orifice and adaptable for the reception of the metering pin and a valve for closing the chamber.

2,077,934
OLEO GEAR
Carl V. Johnson, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 17, 1931, Serial No. 563,453
12 Claims. (Cl. 267—64)



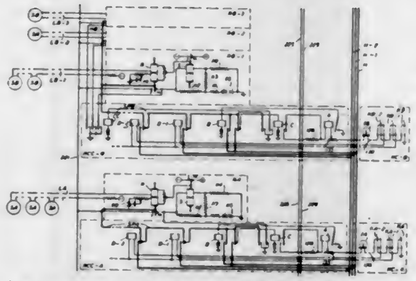
1. A shock absorbing strut comprising a two part cylinder and a union for the parts including a sleeve having a diaphragm and a circumferential flange.

2,077,935
SHOCK ABSORBING STRUT
Carl V. Johnson, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 22, 1932, Serial No. 643,925
8 Claims. (Cl. 267—64)



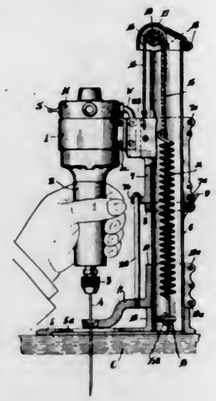
1. A shock absorbing strut comprising a hollow piston, a head on one end of the piston, a cap on the other end of the piston, and a cylindrical member supported solely by the cap concentrically to and within the piston, said member extending part way into the piston and having an unobstructed open lower end.

2,077,936
TELEGRAPH CIRCUIT
Fullerton S. Kinkead, Ridgefield Park, N. J., and George A. Locke, Glenwood Landing, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1935, Serial No. 38,676
18 Claims. (Cl. 178—2)



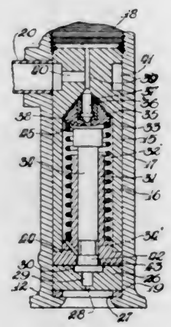
1. A telegraph switching system comprising a line circuit, call relay means responsive to calls on said line circuit, control relay means for cutting through said line circuit for communication with a signaling circuit, and a series circuit including a winding of said control relay means, resistance means, a device for indicating calls on said line circuit, and manual switching means for operation of said control relay means by opening of said series circuit, said call relay means having contacts for reducing the resistance of said resistance means in response to a call on said line circuit to make said device indicating without operating said control relay means.

2,077,937
PERFORATING AND CUTTING MACHINE
Albert Komow, New York, N. Y., assignor to U. S. Cloth Cutting Machine Co. Inc., New York, N. Y., a corporation of New York
Application January 5, 1935, Serial No. 462
2 Claims. (Cl. 164—89.5)



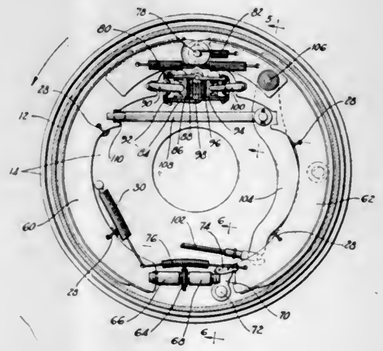
1. A machine of the type described comprising a base having an opening therein, a hollow upright connected to said base, a spring located in said hollow upright, the bottom end of said spring being connected to said upright, a turnable member connected to said upright adjacent the top thereof, a flexible member connected to the upper end of said spring and passing around said turnable member, the outer part of said flexible member being connected to a motor having a depending shaft, and means for guiding said motor in its up and down movement relative to said hollow member.

2,077,938
INJECTION VALVE FOR ENGINES
Julius Kuttner, Beloit, Wis., assignor to International Harvester Company, a corporation of New Jersey
Application July 5, 1935, Serial No. 29,936
4 Claims. (Cl. 299—107.5)



1. In a fuel injection system for solid injection engines employing a fuel pump constructed to deliver a fuel charge above injection pressure and to suddenly decrease the pressure upon the completion of the discharge stroke, the combination of a chamber provided with a fuel inlet conduit and a fuel discharge conduit, a spring pressed valve positioned to close the inlet conduit to the chamber and presenting a small cross-sectional area to the pressure of the fuel for opening, a second spring pressed valve positioned to open and close the discharge conduit from the chamber, the effective area of said valve on which pressure in the chamber acts to open the valve being substantially larger in cross section than the inlet valve whereby, when pressure in the inlet conduit is sufficient to open the inlet valve, said pressure is sufficient to rapidly move the second valve, thereby rapidly opening the outlet conduit.

2,077,939
BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 21, 1932, Serial No. 648,291
29 Claims. (Cl. 188—152)

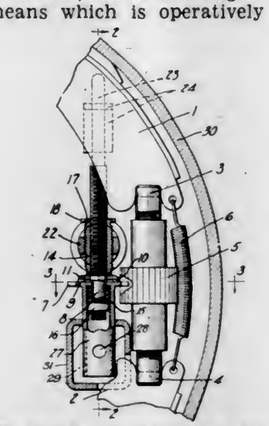


29. A brake comprising shiftable anchorage primary and secondary shoes, anchorage means for said shoes at one side of the brake, a brake backing plate carrying the anchorage means, means also carried by the backing plate at the other side of the brake for transmitting thrust from the primary shoe to the secondary shoe in one direction of braking and for transmitting thrust from the secondary shoe to the primary shoe in the other direction of braking, and applying means at the first side of the brake acting on said shoes and having a greater mechanical advantage but a lesser throw in its action on the primary shoe than in its action on the secondary shoe.

2,077,940
BRAKE
Theodore Jean-Baptiste Lafitte, Paris, France, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application June 25, 1935, Serial No. 28,317
In France December 14, 1934
8 Claims. (Cl. 188—79.5)

1. A brake comprising friction means, a device carried by and floating with the friction means and which is adjustable to change the effective length of the friction means, a device for actuating the adjustable device to compensate for wear of

the friction means, and a centering device for the friction means which is operatively connected



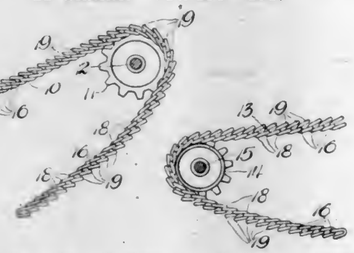
to and shifted and automatically set by taking up on said second device.

2,077,941

ENDLESS CONVEYER

Glenn D. Leonard, Auburn, N. Y., assignor to International Harvester Company, a corporation of New Jersey

Application January 31, 1936, Serial No. 61,765
11 Claims. (Cl. 198—193)



1. An endless conveyer for a potato harvester comprising a series of interlinked, separable links, each link including a transverse portion formed at its ends with angular arms disposed in a common plane, said arms continuing to form extensions in a reversed direction to that of the arms and forming bearing recesses for engagement by the transverse portion of the next adjacent link, said reversed extensions being in planes perpendicular to the transverse portion of the links, and the ends of said transverse portion terminating in a surface of generation about the axis of the link forming smooth ends for the link whereby material carried by the conveyer will not be bruised.

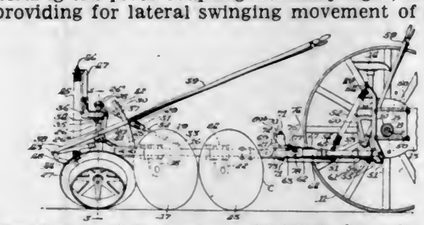
2,077,942

TRACTOR PLOW HITCH

Alexus C. Lindgren, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application March 15, 1935, Serial No. 11,313
25 Claims. (Cl. 97—47)

1. The combination with a tractor having a draft connection, and a tractor drawn implement, of a hitch comprising a draw-bar and pivot coupling connected to the implement, means for connecting said draw-bar to said tractor draft connection, releasable means on the draw-bar for holding the pivot coupling normally rigid, means providing for lateral swinging movement of said



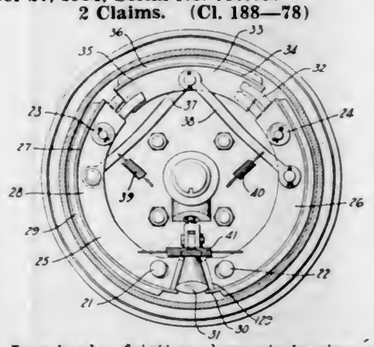
drawbar, and means on said hitch for releasing the coupling and allowing a short turn of said tractor relative to said tractor drawn implement.

2,077,943

BRAKE

Douglas F. Linsley, Old Greenwich, Conn., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois

Original application May 21, 1930, Serial No. 454,226. Divided and this application October 27, 1934, Serial No. 750,267
2 Claims. (Cl. 188—78)



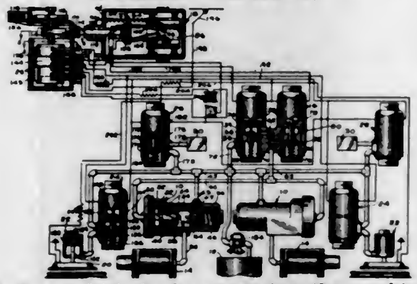
1. In a brake, friction elements having spreadable ends, a pair of springs tensioned between said ends, and a cone-shaped actuating member disposed between said ends and having its small end flared to provide an annular seat engaged on each side by one of said springs respectively in brake released position.

2,077,944

RETARDATION CONTROLLED BRAKE

John W. Logan, Jr., Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 12, 1934, Serial No. 715,097
19 Claims. (Cl. 303—3)



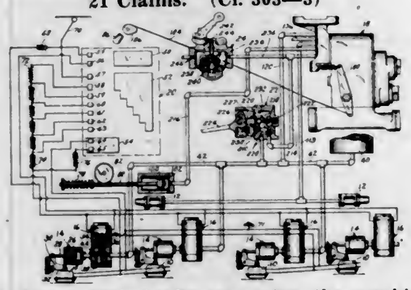
1. In a vehicle brake apparatus, the combination with a brake cylinder, of a valve device operable to control the supply of fluid under pressure to and its release from the brake cylinder, electro-responsive means having electromagnets operable to control the operation of said valve device, control means including an inertia device coacting with and movable with respect to two sets of manually positionable contacts adapted to control said electromagnets, and means whereby for release position of said control means said contacts are closed to energize said electromagnets and for application position of said control means said contacts are opened to deenergize said electromagnets.

2,077,945

MAGNETIC BRAKE CONTROL

John W. Logan, Jr., Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 14, 1934, Serial No. 715,512
21 Claims. (Cl. 303—3)



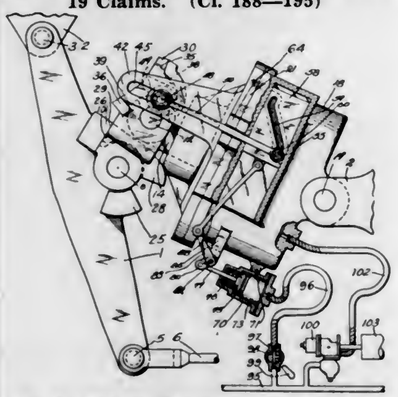
1. In a vehicle brake apparatus, the combination with a brake cylinder and a magnetic track shoe device, of a self-lapping brake valve device for controlling the supply of fluid under pressure to and its release from said brake cylinder, current regulating means for controlling the degree of energization of said track shoe device, manually operated means for controlling operation of said valve device and current regulating means independently but in unison, and means whereby said track shoe device is shunted until said brake valve device has operated to supply fluid under pressure to said brake cylinder when an application of the brakes has been effected.

2,077,946

EMPTY AND LOAD BRAKE

John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application June 8, 1935, Serial No. 25,564
19 Claims. (Cl. 188—195)



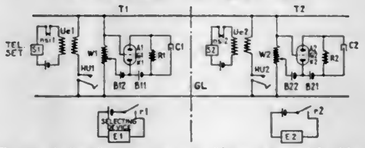
19. In a braking system, in combination, a brake lever, a brake cylinder, a piston in said cylinder, a lever mechanism operatively connecting said piston to said lever and including means operative upon movement of said piston for first moving said lever at a fast rate and then at a slower rate relative to said piston, and mechanism for conditioning said lever mechanism and means so that movement of said piston effects first a movement of said lever at a slow rate and then at a more rapid rate relative to said piston.

2,077,947

TELEPHONE PARTY LINE SYSTEM

Fritz Lubberger, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany

Application May 11, 1935, Serial No. 20,933
In Germany May 19, 1934
3 Claims. (Cl. 179—28)



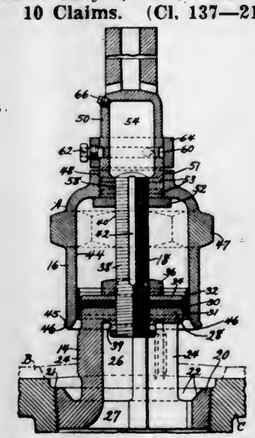
1. In a telephone party line, a grid discharge tube at each station connected to one side of said line, said line having certain insulation resistance between the two sides thereof, an impulse sender at each station connected to said line, a signaling device at each station, means controlled by said discharge tube for operating said signaling device, said discharge tube normally having a pre-applied potential applied to its grid, and means responsive to the operation of an impulse sender at a calling station for connecting impulse potentials to one side of said line to complete the grid circuit of said discharge tubes through said insulation resistance and a ground connection at said sending station over the other side of said line, said discharge tubes upon operating controlling their respective signaling devices through the medium of said means.

2,077,948

LUBRICATED VALVE

John J. McBride, Bayonne, and Victor Willoughby, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

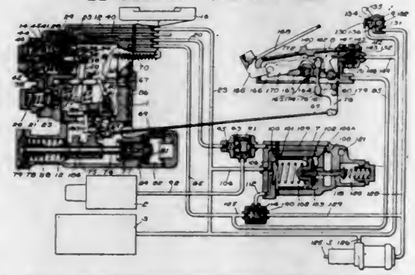
Application May 2, 1936, Serial No. 77,434
10 Claims. (Cl. 137—21)



1. A discharge valve for containers comprising, a valve support secured to the container and

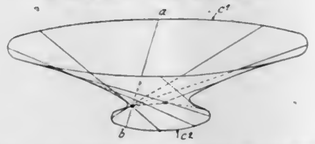
formed with outlet ports and a valve seat, a screw stem secured to said support and extending upwardly therefrom, a valve element surrounding said support and adapted to rest on said seat to close the outlet ports, and a valve lifter movably connected to said valve element and having threaded engagement with said screw stem, whereby upon rotation of the lifter the valve element will be moved vertically to control passage of material through the ports, said lifter projecting beyond the valve and being formed for engagement with an operating rod.

2,077,949
FLUID PRESSURE BRAKE
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 4, 1935, Serial No. 24,861
14 Claims. (Cl. 303—19)



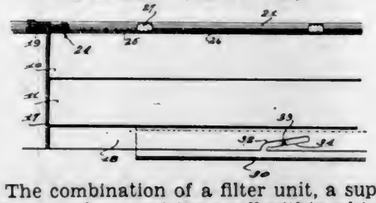
1. In a fluid pressure brake, the combination with a brake valve device operable to effect an application of the brakes, manually operated means for operating said brake valve device, a safety control pipe, fluid pressure responsive means operated by a variation in the pressure in said safety control pipe for also operating said valve device to effect an application of the brakes, other fluid pressure responsive means operated by a variation in the pressure in said safety control pipe for supplying fluid under pressure to the brake cylinder independently of the brake valve device.

2,077,950
BUILDING CONSTRUCTION
Eugène Germain Paul Mopin, Paris, France
Application October 12, 1934, Serial No. 748,029
In France October 26, 1933
1 Claim. (Cl. 72—15)



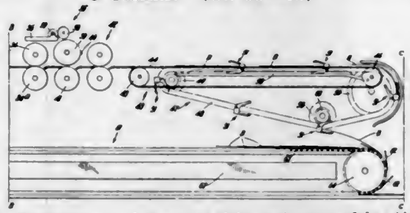
A roofed construction which is intended for the covering of large surfaces and for being used as an aviation or other shed, market, hall or like building comprising a main body having an upper expanding part, and walls formed by the surface of a hyperboloid of revolution, the axis of revolution of said hyperboloid being vertical and the lower portion cut away, all the reinforcing and main constructive elements of said body being located and concealed in the walls themselves of said hyperboloid, the said body resting upon the ground on a central relatively small surface by means of its central portion without the help of any other auxiliary supporting and reinforcing means and elements, the large expanding part of said hyperboloid which is self-carrying forming the roof.

2,077,951
AIR FILTER
Frank L. Myers, Newark, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application June 4, 1935, Serial No. 24,859
3 Claims. (Cl. 183—49)



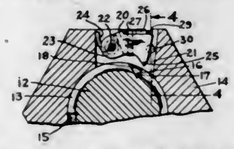
2. The combination of a filter unit, a supporting framework comprising a cell within which the unit is mounted, said framework including walls defining and extending substantially at right angles to the face of said cell and filter unit, one of said walls having a slot therethrough extending inwardly from and at an angle to the front edge of said wall, a retaining strip adapted to bear against the front face of the filter unit, and a pin in said strip fitting in and coacting with said slot, whereby lengthwise movement of the retaining strip will cam it inward into clamping engagement with the filter unit.

2,077,952
ENVELOPE MAKING MACHINE
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application October 2, 1931, Serial No. 566,461
9 Claims. (Cl. 93—62)



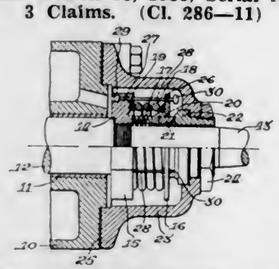
1. In an envelope machine, in combination, means for uniting the side flaps, means for then gumming and drying the sealing flap, means for thereafter turning the blank through 90°, means for gumming the bottom flap, means for folding the bottom flap, and means for folding the sealing flap.

2,077,953
NUT LOCK
William N. Pesce, Waterbury, Conn.
Application February 7, 1936, Serial No. 62,767
3 Claims. (Cl. 151—12)



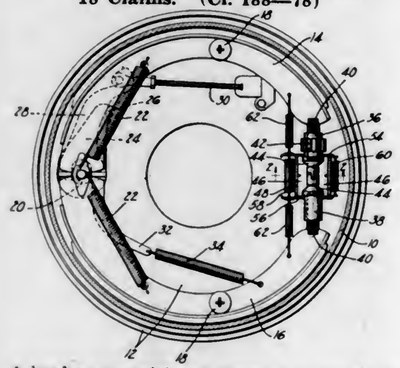
1. In combination, a threaded bolt having longitudinal grooves in its threaded portion, a nut screwed upon said bolt, means carried by said nut and adapted to selectively cooperate with any of said grooves to prevent rotation of said nut in one direction, and means carried by said first means and engageable with said nut when said first means is in engagement with the groove to prevent rotation of said nut in either direction, said second means being engageable with said nut when said first means is out of engagement with said groove to permit rotation of said nut in either direction.

2,077,954
SEALING UNIT FOR ROTARY SHAFTS
Axel E. Ramclow, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 13, 1936, Serial No. 68,591
3 Claims. (Cl. 286—11)



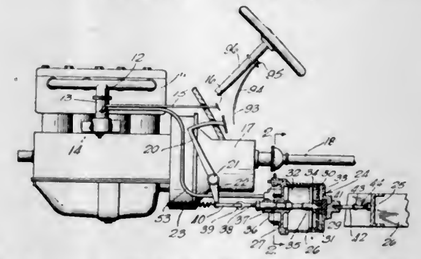
1. A shaft sealing unit comprising an annular supporting member formed to be mounted on a shaft in fluid tight relation thereto, an expansible metallic bellows secured to said member in fluid-tight relation therewith, an annular seal supporting member secured to said bellows, a sealing member carried by said member, a compression spring fitted between the two annular members around the bellows and spaced therefrom, and headed stay-rods secured to one of the annular supporting members for limiting axial movement of the other annular supporting member with respect thereto, said rods being slidably mounted with respect to said other member to permit compression and limited expansion of the spring, said annular members and said stay-rods forming a cage for protecting the metallic bellows against expansion and distortion.

2,077,955
BRAKE
Glyn Pierce Roberts, Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application July 12, 1935, Serial No. 30,972
In Great Britain January 3, 1935
18 Claims. (Cl. 188—78)



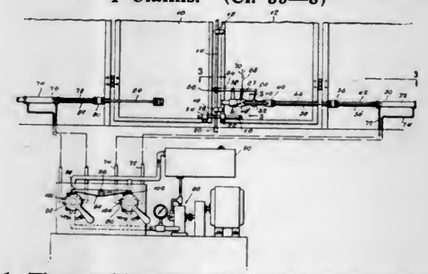
1. A brake comprising a drum, a pair of shoes, anchorage means on which one shoe anchors when the drum is turning in one direction and on which the other shoe anchors when the drum is turning in the other direction, an expansible adjustment connecting the shoes, and friction means associated with the adjustment for absorbing a portion of the thrust of the unanchored shoe and transmitting the same to the backing plate when the brake is applied.

2,077,956
AUTOMATIC CLUTCH
Clifton R. Roche, Los Angeles, Calif., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application October 5, 1931, Serial No. 566,851
17 Claims. (Cl. 192—.01)



1. A clutch-operating device for a motor vehicle having a clutch and an internal combustion engine provided with an intake and a throttle, including: a clutch releaser attached to said clutch so as to release same, said releaser including a movable means and a pair of vacuum-receiving members placed so as to exert pulls on said movable means in opposite directions; means connecting the first of said vacuum members to said intake to actuate said first vacuum member continuously to exert a motivating force on said movable means in primary direction; a valve operable to open the second of said vacuum members to communication with said intake so as to balance said vacuum members and permit movement of said movable means in secondary direction; and a valve operated in accordance with movement of said movable means for controlling the escape of fluid from said second vacuum member when said movable means moves in secondary direction.

2,077,957
GATE OPERATING MEANS
Philip Schnell, Hillside, N. J.
Application June 4, 1936, Serial No. 83,484
4 Claims. (Cl. 39—8)



1. The combination with a gate supported for swinging movement from a closed position to an open position, of a locking bolt carried by said gate for movement into and out of locking posi-

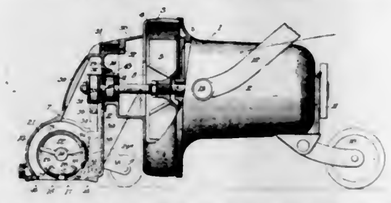
tion, a second locking bolt pivotally connected to said gate and to said first-named bolt and movable by the latter into and out of locking position, a member connected to said gate and movable from a first position to a second position with respect thereto to impart opening movement to said gate and movable from said second position to said first position to impart closing movement to said gate, means connecting said member and said bolts and having a given amount of free-play which is taken up as said member moves out of said first position and before opening movement is imparted to said gate, and means forming part of said connecting means and operating to move said bolts out of their respective locking positions as said member moves out of said first position; said second-named means comprising a bar carried by said gate, a crosshead slidable along said bar, and an element disposed between said member and said crosshead and fixed with respect to said bar to act as a stop for said crosshead when said given amount of free-play is taken up as specified.

2,077,958

SUCTION CLEANER

Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application May 28, 1930, Serial No. 456,389
19 Claims. (Cl. 15—13)



1. In a suction cleaner, a nozzle, a movable agitating element in said nozzle adapted to contact a surface covering undergoing cleaning, a housing in said nozzle open to the atmosphere and containing a body of air at substantially atmospheric pressure and open to the nozzle adjacent the surface-contacting element, and means to impart an alternate rotary movement to said element.

2,077,959

FAN BLADE

Marshall A. Smith, Jr., South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application August 16, 1935, Serial No. 36,468
2 Claims. (Cl. 170—159)



1. A metal fan blade having a plurality of longitudinally and transversely extending undercut grooves formed in the surface of the metal blade, the pointed ends of the grooves projecting toward the trailing and tip ends of the blade respectively, a protective covering of a colloidal solution of latex electroplated on the metal blade and engaging in the grooves to securely tie the protective covering to the blade and to cause it to cling more tightly thereto during normal operation of the fan when the blade is subjected to centrifugal, torsional and frictional forces.

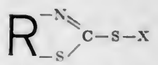
2,077,960

NICOTINE DERIVATIVES

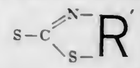
Robert L. Sibley, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application June 29, 1934, Serial No. 733,117
18 Claims. (Cl. 260—25)

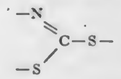
1. A product obtained by reacting in the presence of heat, nicotine and an aryl thiazole of the formula



where R is an aromatic radical of the benzene and naphthalene series and X is a member of the class consisting of hydrogen and the group



R′ being an aromatic radical of the benzene and naphthalene series, said reactants being employed in the ratio of substantially one molecular proportion of the thiazole compound to *n* molecular proportions of nicotine, where *n* equals the number of



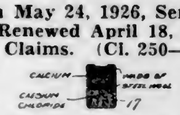
groups in the thiazole compound.

2,077,961

GASEOUS CONDUCTION DEVICE

Charles G. Smith, Medford, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application May 24, 1926, Serial No. 111,278
Renewed April 18, 1936
9 Claims. (Cl. 250—27.5)



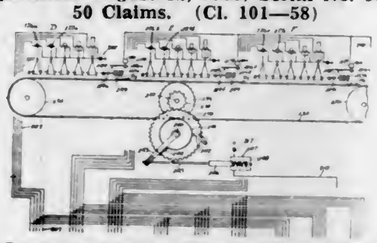
3. A metallic capsule containing caesium chloride and calcium, and a wad of steel wool separating the two ingredients.

2,077,962

PRINTING MACHINE

Clyde Smith, Hopkinsville, Ky., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application August 12, 1936, Serial No. 95,589
50 Claims. (Cl. 101—58)



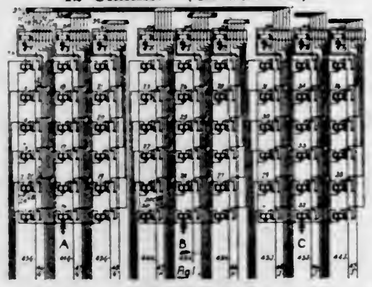
1. In a printing machine under control of a record card or the like having a record thereon comprising a plurality of parts, means for successively printing transcriptions of the parts of the record separately, and other means for printing transcriptions of said parts of the record simultaneously.

2,077,963

ADDRESSING AND PRINTING MACHINE

Clyde Smith, Hopkinsville, Ky., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application April 7, 1933, Serial No. 664,951
42 Claims. (Cl. 101—58)



1. In an automatic addressing machine, a plurality of rows of start stop printing wheels, each row sufficient to serve one entire line of an address at one time, a code disc stop-arm selector for each said printing wheel, transfer means for transferring to said selectors at one time all of the codes representing the intelligence of all lines to be printed at one time, and means to operate all of said rows of wheels to print at one time.

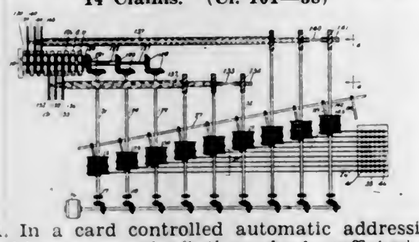
29. In an addressing machine, a plurality of start stop printing members, common imprinting means, and electrical detector means energizable under control of a printing member while moving to delay the operation of said imprinting means.

2,077,964

ADDRESSING AND PRINTING MACHINE

Clyde Smith, Hopkinsville, Ky., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application April 7, 1933, Serial No. 664,952
14 Claims. (Cl. 101—58)



1. In a card controlled automatic addressing machine, a row of printing wheels sufficient to serve one entire line of the address at one time, a card controlled selector for each said printing wheel, said wheels and said selectors divided arbitrarily into a plurality of groups, and a plurality of sets of sleeved shafts, each such set of sleeved shafts connecting said selectors of each group to said printing wheels of that group individually.

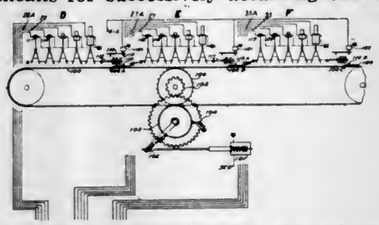
2,077,965

ADDRESSING AND PRINTING MACHINE

Clyde Smith, Hopkinsville, Ky., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application April 6, 1932, Serial No. 603,582
Renewed September 12, 1934
84 Claims. (Cl. 101—58)

1. In an addressing machine, the combination of registers settable concurrently from selectable contacts in corresponding groups, printing elements controllable respectively by said registers, and means for successively actuating successive



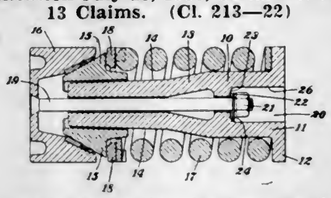
groups of said printing elements to print successively the lines of an address according to the respective register settings.

2,077,966

RETAINING MEANS FOR SHOCK ABSORBING MECHANISM

Hubert L. Spence, East Cleveland, and John L. Eler, Cleveland, Ohio, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio

Application July 18, 1936, Serial No. 91,350
13 Claims. (Cl. 213—22)



1. A retaining member for temporarily shortening the predetermined overall length of a shock absorbing mechanism comprising a spacer element of sufficient strength to withstand the expansive force of the mechanism, a spring element secured at one end thereof to said spacer element, and means on said elements adapted to lock the retaining member in a contracted position.

2,077,967

MANUFACTURE OF ALCOHOLS FROM THEIR CORRESPONDING ALKYLENES

Joseph Stanley, Jackson Heights, N. Y., assignor to W. A. Cleary Corporation, a corporation of New Jersey

No Drawing. Application May 1, 1935, Serial No. 19,174
25 Claims. (Cl. 260—156)

22. A process for producing substantially anhydrous ethyl alcohol comprising the conversion of ethylene to an ethyl ester of an acid of the group consisting of sulphuric, phosphoric, and aryl sulphonic, dealkylating said ester by means of boric acid, thereby producing ethyl borate, distilling off the ethyl borate, and hydrolyzing said ethyl borate producing substantially anhydrous ethyl alcohol and regenerating the boric acid.

2,077,968

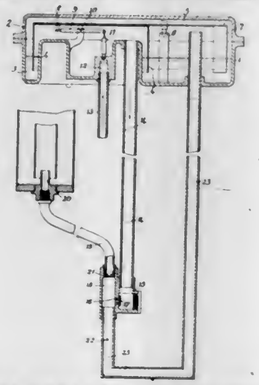
GAS FLOW REGULATOR

James Gibb Stewart, Letchworth, England

Application January 2, 1935, Serial No. 170
In Great Britain November 14, 1933
2 Claims. (Cl. 158—119)

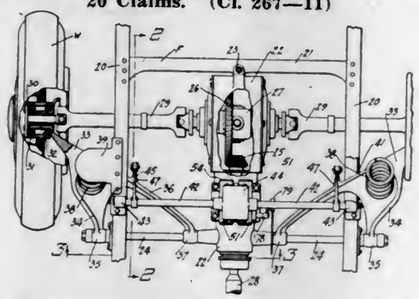
1. A gas flow regulator for a recording gas calorimeter comprising a pressure governor including a casing adapted to contain a body of liquid to

form a liquid seal and furnished with an aperture adapted to restrict the inflow of air to the casing, a beam within the casing, knife edge bearings for said beam, a bell secured to the beam and adapted to extend into the body of liquid contained in the casing to form a liquid seal for the bell, a counterweight for the bell secured to the beam, a lever located within the bell, bearings on said casing supporting the lever, an abutment on the bell contacting with one end of the lever, a gas inlet in the casing and within the bell adapted to supply gas to the space enclosed by the bell, a valve seating associated with the gas inlet, a movable valve element secured to the lever co-



operating with said seating, a gas outlet from the space within the bell, a pipe extending from the outlet in a downward direction, a member furnished with a restricted aperture for the outflow of gas connected with the pipe, a tubulure extending from said member, a pipe connected with the tubulure at a point above the level of the restricted aperture and adapted to be connected with a burner, and a pipe extending from the tubulure at a point below the level of the restricted aperture to the casing, said pipe having a restricted aperture adapted to admit air to the tubulure at a level below that of the aperture by which gas is admitted thereto.

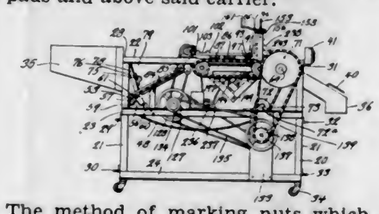
2,077,969
MOTOR VEHICLE
Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application February 17, 1934, Serial No. 711,663
20 Claims. (Cl. 267—11)



1. In a motor vehicle, the combination with the frame part and the relatively movable wheel carrier part, the latter comprising separated wheel carriers, of means to cause these parts to retain substantial parallelism during movement of the wheel carriers comprising a two-part cross shaft mounted on one of said parts and having remote portions connected to the other of said parts, a hydraulic shock absorber connected to each of the adjacent ends of said shaft parts, and cross connecting conduit means between said shock absorbers.

2,077,970
NUT MARKING DEVICE
John E. Trunk, Newberg, Oreg.
Application June 18, 1934, Serial No. 731,123
15 Claims. (Cl. 101—37)

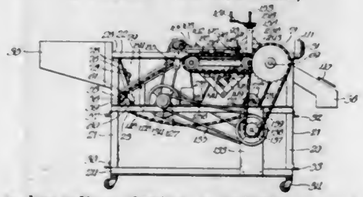
1. A nut marking device comprising an apertured carrier, moving brushes thereabove, printing pads therebeneath, and mechanical pressure means opposed to said pads directly opposite said pads and above said carrier.



9. The method of marking nuts which comprises the steps of arranging the nuts in selected angular positions in a selected path by agitating them from above, moving them along such path while sustaining them in such selected angular positions, and marking the bottom portions of such nuts from beneath.

10. The method of arranging small objects in selected angular positions for printing, which comprises moving the objects along a selected path, and agitating the objects by moving contacts with the upper portions thereof in a plurality of directions in a plane parallel to the selected path.

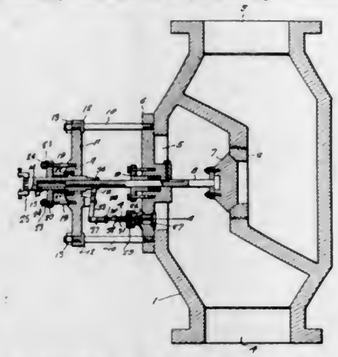
2,077,971
NUT MARKING DEVICE
John E. Trunk, Newberg, Oreg.
Original application June 18, 1934, Serial No. 731,123. Divided and this application April 3, 1935, Serial No. 14,466
1 Claim. (Cl. 101—351)



In a branding device a printing mechanism comprising a vertically adjustable frame having mounted thereon a printing roller, an inking roller, an ink supply roller, a second frame pivotally and slidably movable within said first frame, an ink distributing roller and springs for urging said second frame and said ink distributing roller toward said inking roller and said ink supply roller.

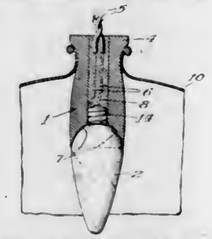
2,077,972
THROTTLE VALVE
Walter B. Walger, Corpus Christi, Tex.
Application November 30, 1935, Serial No. 52,409
1 Claim. (Cl. 277—15)

A device of the class described comprising a throttle valve, a release valve, means for opening said release valve when the throttle valve is completely closed comprising a stem extending laterally from said throttle valve, a support through which the stem is slidable, a collar rotatably and slidably mounted in the said support and threadedly connected to the free end of the stem, means for yieldably resisting the



sliding movement of said collar in one direction, a stem extending laterally from the release valve, an arm pivotally mounted on the support having one end extending into a circumferentially arranged slot in the collar, the other end of the arm being pivotally connected to the free end of the stem of the release valve.

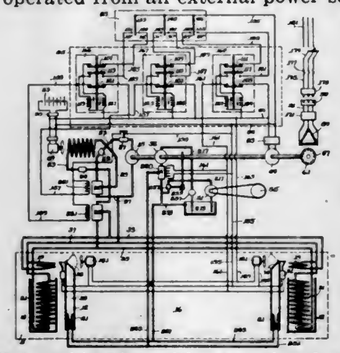
2,077,973
ELECTRIC BULB SOCKET
Charles Emory Wilson, Chicago, Ill.
Application February 8, 1936, Serial No. 63,032
2 Claims. (Cl. 240—10)



1. An airtight, valveless and ventless electric bulb socket having an outside unbroken lengthwise contour wherein a convex curve joins to a gradually increasing concave curve and terminates in a stop ring at the conductor end of the socket, said socket having a flexible extension forming a concave opening for snugly receiving an electric lamp bulb whereby the socket and bulb form an unbroken lengthwise contour.

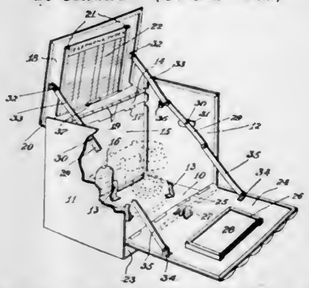
2,077,974
AIR CONDITIONING APPARATUS
William W. Wishart, Chicago, Ill.
Application June 2, 1933, Serial No. 673,955
19 Claims. (Cl. 257—7)

4. In an air-conditioning system for a vehicle, the combination of a compartment, channeled heating means in said compartment, a fluid pressure pump and motor connected in series, means for driving the pump from a turnable part of the vehicle for actuating the fluid motor, and means actuated from an external power source when the vehicle is stationary for operating the fluid pressure motor as a fluid pressure generator, fluid connections forming a closed circuit from the fluid pump to the heating means, and connections from the motor to the heating means whereby to actuate the same either from the fluid pressure generator when the vehicle is moving or from the fluid pressure motor when the system is operated from an external power source.



9. The combination with an enclosed space, of air conditioning apparatus to cool said space, a hydraulic motor for driving said apparatus, a heating coil arranged within said space to cause liquid forced therethrough to heat said space, a pump for delivering liquid to said motor, and, selectively, to said coil, and means for driving said pump.

2,077,975
TELEPHONE ESCRITOIRE
Saul K. Wolff, Long Beach, N. Y.
Application August 22, 1936, Serial No. 97,399
10 Claims. (Cl. 312—189)

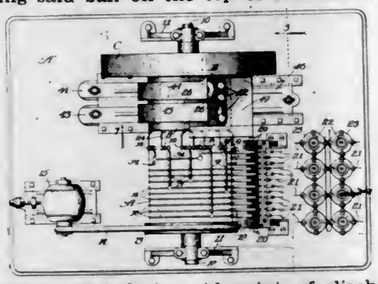


1. A telephone escritoire embodying therein a base, means carried thereby whereby a telephone instrument may be firmly secured thereto, side walls, a back bar extending from side wall to side wall adjacent the top thereof, whereby an opening is provided at the back of the escritoire for the insertion and removal of a telephone instrument and the passage of the wires of the instrument, a cover hingedly connected with said bar, a front bar extending from side wall to side wall contiguous to said base, a drop leaf slab hinged to said front bar, a lever and link connection between said cover and said slab and connected with a side wall, and means carried by said side wall limiting the action of said lever and link mechanism.

2,077,976
SEQUENCE VARYING SIGN MECHANISM
Fred E. Wood, Glen Ellyn, Ill.
Application January 31, 1935, Serial No. 4,419
13 Claims. (Cl. 177—346)

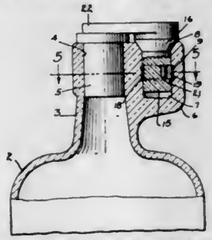
1. In sequence-varying control mechanism, a drum having pockets in its periphery, switches

in said pockets, display devices connected in circuits with said switches, a ball, means for bringing said ball into and out of chance engagement with said pockets to operate said switches, said means including means for discharging said ball on the top of said drum and



returning said ball to said point of discharge after it has operated one of said switches, said means comprising a wheel equipped laterally with pockets and rotatably mounted with said drum, and means for directing the ball from said drum into one of said pockets.

2,077,977
BOTTLE
Eugene F. Ahlquist, Minneapolis, Minn., assignor of one-half to Elmer B. Floback, Minneapolis, Minn.
Application November 1, 1934, Serial No. 751,027
6 Claims. (Cl. 215—7)



1. The combination with a bottle comprising a dispensing opening and a cork, and a wall of the bottle having a socket therein, of a device having a portion insertable in said socket and provided with means adapted to interlock with means on the wall of the socket to prevent removal therefrom; said device having a portion adapted to be positioned to prevent removal of the cork from the bottle, and the locking means of said device being so constructed that when the device is actuated to permit the removal of the cork, it cannot again be returned to cork-securing position without detection.

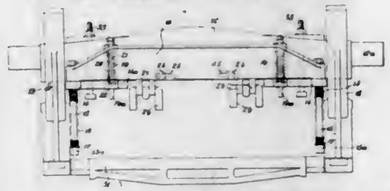
2,077,978
YARN AND FABRIC MADE THEREFROM
Ralph C. Anderson, Charlotte, N. C.
Application February 26, 1936, Serial No. 65,861
5 Claims. (Cl. 117—2)

1. That method of making stockings which comprises making a knitting yarn having alternately disposed portions of the yarn saponified to be subject to a dye which will not dye the unsaponified portions, determining the length of the saponified portions so that a saponified portion will knit more than one-half of a course and the unsaponified portions will knit a portion of a course equal in length to the portion of a course knitted by a saponified portion, so that when the knitted stocking is dyed a spiral striped effect is



produced by the overlapping of the saponified and unsaponified portions.

2,077,979
BISCUIT AND LIKE CUTTING AND EMBOSSING MACHINE
George Ralph Baker, Peterborough, England
Application May 26, 1936, Serial No. 81,957
In Great Britain June 1, 1935
10 Claims. (Cl. 107—24)

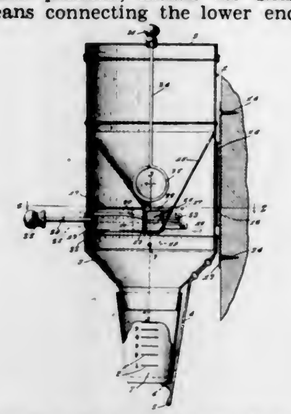


1. In a biscuit embossing and cutting machine having a cutter cross head which carries the embosser actuating mechanism, adaptor means comprising an auxiliary cross head resiliently mounted upon the cutter cross head and acted upon thereby as the latter moves downwardly to hold the auxiliary cross head against stops, said auxiliary cross head having means for resiliently supporting the embosser plate of a cutting and embossing unit whereby the plate is retracted after a downward embossing operation by said embosser actuating mechanism.

2,077,980
COFFEE DISPENSER
Robert J. Bell, Orlando, Fla.
Application May 21, 1935, Serial No. 22,628
1 Claim. (Cl. 83—18)

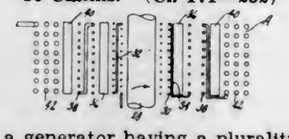
A device of the character described comprising a vertically arranged container open at each end, a collecting receptacle removably secured to said container for receiving coffee therefrom, an inverted conical-shaped portion located in and joined to said container to form in the upper portion of the latter a hopper for receiving coffee, said conical-shaped portion having spaced slots to form superimposed guides located adjacent the lower end thereof and having said last-mentioned end open, connected plates slidable in said guides and having slots arranged laterally of one another for admitting coffee to the space between said plates and permitting the coffee received in

said space to pass to said receptacle in a measured amount after sliding movement of said plates into another position, means for sliding said plates, means connecting the lower end of the



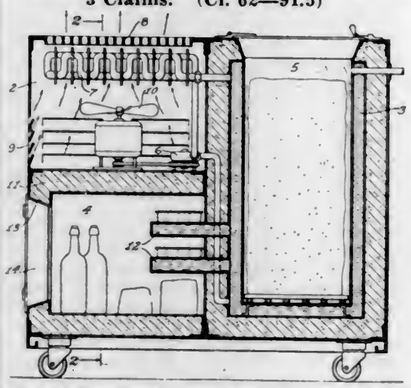
conical-shaped portion to the container, and a spring supported by said last means and secured to said plates for positioning the latter to close the open end of the conical-shaped portion.

2,077,981
GENERATOR STRUCTURE
Cecil C. Bergen, Marshalltown, Iowa, assignor of one-half to Ray P. Scott, Marshalltown, Iowa
Application August 26, 1935, Serial No. 37,918
16 Claims. (Cl. 171—252)



8. For a generator having a plurality of cores, a winding on each core, each winding comprising two coils, the layers of said two coils being wound only from one end toward the other end of the core, and a third coil wound thereon and wound back and forth on the core and in an opposite direction to the direction of winding of the first two coils.

2,077,982
REFRIGERATOR
Ralph F. Bixby and John H. Meyer, St. Louis, Mo.; said Meyer assignor to said Bixby
Application November 5, 1934, Serial No. 751,611
3 Claims. (Cl. 62—91.5)



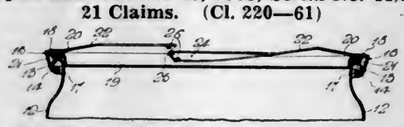
1. A refrigerator comprising a cabinet having a compartment through which air from outside of said cabinet is circulated to be cooled, said cabinet including a chamber for a low temperature refrigerant arranged to cool a liquid heat exchange agent, means for circulating said heat exchange agent through said compartment for cooling air, and said cabinet also having a storage chamber for food stuffs and means for cooling said storage chamber by said heat exchange agent independently of cooling air in said compartment.

2,077,983
COMBINATION DYE-STRIPPER
David Julian Block, Winnetka, Ill., assignor to Hobart M. Cable
No Drawing. Application July 17, 1935, Serial No. 31,947
12 Claims. (Cl. 8—2)

1. The method of dye-stripping which comprises subjecting materials to be stripped to a dye-stripping bath comprising an active oxidizing stripper and a latent reducing stripper, whereby the oxidizing stripper acts upon said material, subsequently activating the reducing stripper, and treating said material with said activated reducing stripper.

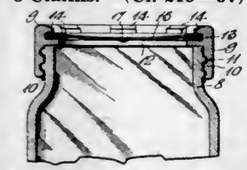
5. A dye-stripper comprising an active oxidizing stripper and a latent reducing stripper.

2,077,984
CONTAINER CLOSING MEANS
Roman Blace Bukolt, Stevens Point, Wis.
Application October 10, 1935, Serial No. 44,447
21 Claims. (Cl. 220—61)



1. A container closing means comprising a cover to be seated on the container, a downwardly facing fulcrum shoulder carried by the container in close relation with the peripheral portion of said cover, and a lever-and-toggle-action snap-ring having its peripheral portion interposed between said fulcrum shoulder and said cover, said snap-ring normally occupying a released position in which it inclines from its outer to its inner edge but being springable downwardly to an applied position in which it declines from its outer to its inner edge and remains under tension, said snap-ring then forcing upwardly on said fulcrum shoulder and prying downwardly on said cover to seat the latter.

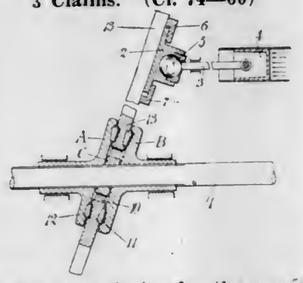
2,077,985
CONTAINER SEALING MEANS
Roman Blase Bukolt, Stevens Point, Wis.
Application February 28, 1936, Serial No. 66,285
8 Claims. (Cl. 215—37)



1. A container having an upwardly open neck, an upwardly facing gasket-supporting shoulder projecting inwardly from said neck, and circumferentially spaced lugs projecting inwardly from said neck above said shoulder, a gasket resting

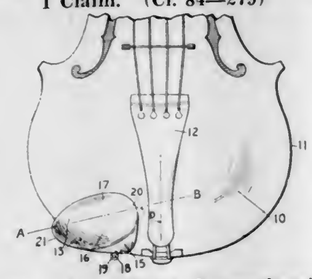
on said shoulder, and a lever-and-toggle-action snap-disk lying upon said gasket and having circumferentially spaced lugs abutting the lower sides of the aforesaid neck lugs, said disk normally occupying a downwardly bowed position in which it holds said gasket compressed against said shoulder, said disk being removable from the container by upwardly snapping said disk and turning it to allow the disk lugs to pass between the neck lugs, said disk being formed in its entirety from metal or any resilient sheet material sufficiently soft to allow puncturing thereof when the disk is to be upwardly snapped, turned, and removed.

2,077,986
SWASH PLATE DEVICE
Francesco Cassani, Este, Italy
Application April 1, 1936, Serial No. 72,173
In Italy April 4, 1935
3 Claims. (Cl. 74—60)



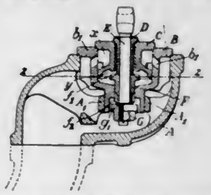
1. A swash plate device for the conversion of the rectilinear reciprocating motion of pistons into rotary motion of a shaft comprising in combination a swash plate journalled on the shaft, means bearing on the sides of the swash plate and connected with the shaft for transmitting the thrust of the piston as a torque to the shaft; and means for permitting the sliding engagement between the swash plate and the piston, such means being applied to only one face of the swash plate.

2,077,987
JAW REST FOR VIOLINS
William Coad, Ithaca, N. Y.
Application November 21, 1935, Serial No. 50,939
1 Claim. (Cl. 84—279)



In a jaw rest adapted to be overlappingly attached to the curved marginal belly region of a violin or the like instrument provided with a tail piece, a rest body located wholly to one side of the tail piece and comprising an upturned warped surface including a single ridge component having an arcuate contour whose curvature is correlative to that of the marginal belly region with one ridge end projecting outwardly therebeyond and the other ridge end being inset with respect to said region and the crown of which ridge is elevated at a substantially uniform height above such belly region, and which warped surface further includes a cooperating component defined by a cylindrically concaved depression whose superficial perimetric outline is given a semi-oval shape having a rectilinear major axis arranged to incline upwardly away from the tail piece to merge tangentially with the outward projecting end portion of the ridge, a bowed perimetric portion of said semi-oval shape being nested within the arcuate ridge in merged relationship and said superficial perimetric outline thence extending forwardly and downwardly from said crown to the aforesaid major axis and which axis constitutes the lowermost linear element of such cylindrical depression.

2,077,988
STEAM REGULATOR VALVE AND THE LIKE
John Cecil George Cossey, Golders Green, London, England, assignor to Meboe Limited, London, England
Application May 1, 1936, Serial No. 77,433
In Great Britain May 16, 1935
5 Claims. (Cl. 277—44)



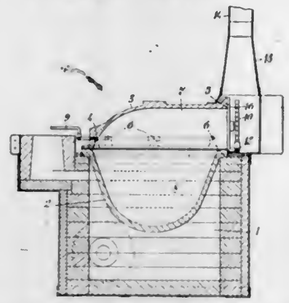
1. A multiple beat steam regulator valve comprising a plurality of concentrically nested valves operable in sequence including one operating as a piston within another to define therewith an internal chamber and an initially operable third valve for admitting steam into said chamber for balancing said one valve, said chamber communicating through radiating port means with the exterior of the nest of valves whilst one of the latter remains in seated position.

2,077,989
CEMENT BUILDING BLOCK
Peter E. Daubenspeck, Pontiac, Mich.
Application May 4, 1936, Serial No. 77,859
10 Claims. (Cl. 72—44)



1. A building block comprising an inner and an outer section arranged in facewise opposed relation and spaced from each other, and a pair of bridge elements having their sides embedded in opposed faces of said sections for coupling them together and for maintaining said sections in parallel spaced relation, said elements being disposed at opposite outward inclinations from their lower ends, each of said elements being in the form of a metallic strap provided with two sets of stretches, the stretches of one set being arranged at an angle to and alternately disposed with respect to the stretches of the other set.

2,077,990
MELTING, REFINING AND PREPARATION FOR CASTING OF MAGNESIUM AND LIKE METALS
Leslie George Day, Taplow, England, assignor to Magnesium Castings and Products Limited, Slough, England and to High Duty Alloys Limited, Slough, England
Application May 29, 1936, Serial No. 82,644
In Great Britain June 7, 1935
9 Claims. (Cl. 75—65)



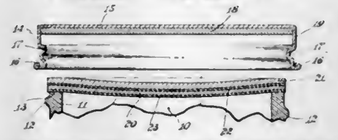
1. A process for the melting, refining and preparation for casting of light metals such as magnesium or magnesium alloys, which are vigorously attacked by air when molten, which consists in melting the metal in a covered crucible having an aperture above the surface of the metal in a substantially vertical plane and of a size sufficient to admit a casting ladle, maintaining an atmosphere of inert gas above the surface of the metal at a pressure slightly above that of the atmosphere and passing an independent sealing gas stream adjacent to and substantially parallel to the plane of the face of the said aperture on the outer side thereof.

2,077,991
CURLING IRON
Bertha A. Dodd, Danville, Va.
Application March 13, 1935, Serial No. 10,928
1 Claim. (Cl. 132—37)



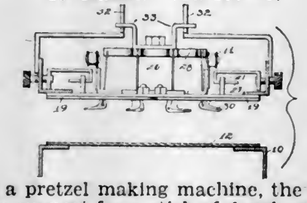
A curling iron comprising a male member and a female member, the female member being of channeled form and cross-sectionally of maximum thickness at one of its longitudinal edges, and having said edges arcuately rounded in a transverse direction, and cross-sectionally of minimum thickness at its opposite longitudinal edge and having said edge tapering to a degree of attenuation rendering it of materially less thickness than the thick rounded edge, the inner face of the female member forming the channel extending throughout between said edges on the true arc of a circle and the outer face of the female member extending eccentric to the arc of curvature of said inner face so that the cross-sectional thickness of said member uniformly and progressively diminishes between said thick and thin edges, the male member having a surface conforming identically to the curvature of and adapted to snugly fit within the channel of the female member.

2,077,992
CONTAINER CLOSURE
Jay Bernard Eisen, Yonkers, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York
Application April 17, 1935, Serial No. 16,789
7 Claims. (Cl. 215—43)



5. A container closure embodying therein an outer closure member having a skirt adapted to co-operate with the neck of a container for retaining said member thereon, and a closure disc within, but separable from said member, consisting of a facing disc of metal foil, a backing disc of relatively thicker compressible material having a low degree of flexibility, and having such rigidity as to prevent sufficient displacement of the facing disc from pressures resulting from sub-atmospheric pressure within a container to break the bond between the facing disc and the neck of the container, a stratum of adhesive bonding said facing disc to said backing disc, whereby relative movement of said discs is prevented and any openings through said facing disc are sealed, said facing disc and said backing disc being of substantially the same diameter and having their edges closely adjacent the skirt of said metal shell, whereby when applying the closure to a container, said facing disc will be engaged with the top of the mouth of the container, and a heat fusible dry adhesive upon the exposed surface of said facing disc adjacent the edge thereof, whereby the bond between the container and said closure member is between said facing disc and the container.

2,077,993
PRETZEL MAKING MACHINE
Harry A. Elliott, Jefferson, Iowa
Application June 11, 1934, Serial No. 729,997
10 Claims. (Cl. 107—8)

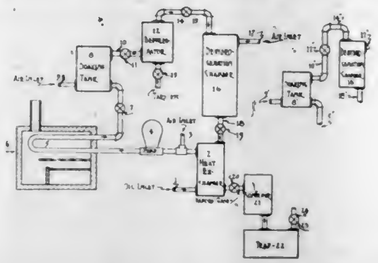


1. In a pretzel making machine, the combination of a support for a stick of dough while being bent into the form of a pretzel, a finger projecting from the support to position for engaging the inner surface of a pretzel loop on one side of the twisted portion of the pretzel, and a finger projecting from the support to position for engaging the inner surface of a pretzel loop on an opposite side of the twisted portion of a pretzel, and means for moving one of said fingers outwardly relative to the other for tightening the twisted portion of a pretzel.

2,077,994
DEHYDROGENATED FUEL
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
Application September 14, 1933, Serial No. 689,429
2 Claims. (Cl. 196—65)

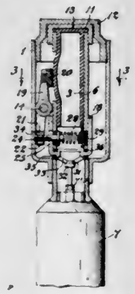
1. The process of producing a motor fuel containing a substantial amount of aromatic com-

pounds comprising dehydrogenation of a pressure-cracked petroleum in the presence of air at a temperature of 400°–600° F. and under superatmospheric pressure less than that employed in



cracking, and separation therefrom of a fraction of distillation end-point not exceeding 500° F. containing an influential amount of knock-reducing bodies.

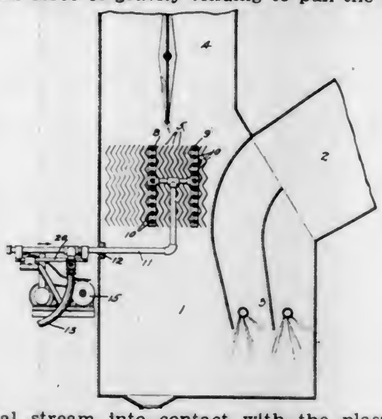
2,077,995
PNEUMATIC VALVE
Frederick Wilson Hall, Brooklyn, N. Y.
Application September 3, 1935, Serial No. 38,989
3 Claims. (Cl. 152—11.5)



1. A safety valve for automatically regulating air pressure in pneumatic tires having an air valve, comprising a closed outer casing, an inner housing having a lateral opening, an expansible air container enclosed by said inner housing, a control lever actuated by expansion of said air container through the mentioned opening, a cap on said outer casing confining said housing and container, and a spring pressed valve in said housing actuated by said lever to control said air valve.

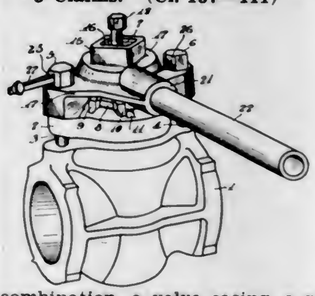
2,077,996
ELIMINATOR PLATE WASHER
Harry Y. Hall, Mount Vernon, N. Y.
Application September 15, 1933, Serial No. 689,593
5 Claims. (Cl. 183—76)

1. In an eliminator comprising a plurality of spaced corrugated plates between which gases are adapted to pass, the planes of the corrugated surfaces being transverse to the direction of gravity and presenting inclined surfaces on which solid particles carried by the gases become plastered, means for dislodging said plastered material comprising means to discharge a horizontal solid heavy stream of water at high pressure and substantially parallel to said inclined surfaces, whereby the plastered material is effectively dislodged due to the kinetic energy of the water travelling horizontally and supplemented by the force of gravity tending to pull the hori-



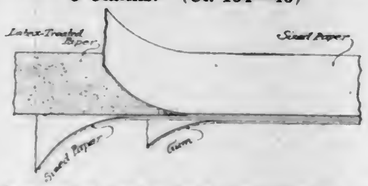
zontal stream into contact with the plastered material on said inclined surfaces.

2,077,997
COMBINED WRENCH AND LOCKING MEMBER
Edwin E. Hedene, Oakland, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware
Application October 1, 1934, Serial No. 746,447
5 Claims. (Cl. 137—111)



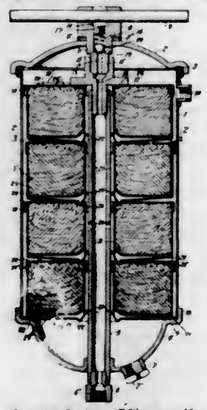
1. In combination, a valve casing, a rotatable valve member therein having an operating stem extending from the casing, a cover surrounding said stem, bolts for securing the cover to the casing, a separate locking member non-rotatably engaging said stem and having an offset portion recessed to receive the head of at least one of said bolts, and means to lock the bolt head and locking member against removal.

2,077,998
MULTIPLY LATEX-TREATED PAPER
Ferdinand W. Humphner, Oak Park, Ill., assignor to Mid-States Gummed Paper Co., Chicago, Ill., a corporation of Illinois
Application January 14, 1935, Serial No. 1,785
3 Claims. (Cl. 154—43)



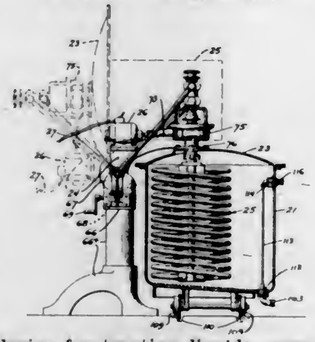
1. A gummed paper tape comprising an inner ply of paper impregnated with rubber deposited from latex, outer plies of paper secured to said inner ply but having external surfaces devoid of said rubber, and a water-soluble adhesive on one of said external surfaces.

2,077,999
FILTER
James E. Hurn, Saugerties, N. Y., assignor to The DeLuxe Products Corporation, La Porte, Ind.
Application June 4, 1935, Serial No. 24,841
6 Claims. (Cl. 210—179)



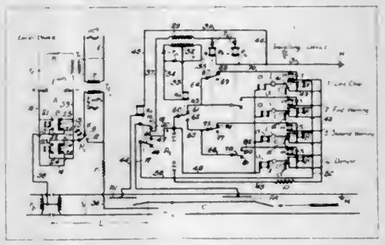
5. A filter adapted to filter oil, comprising a housing, a central tube within the housing from which incoming oil to be filtered is fed, a removable cover, a plurality of individual filtering units containing a mass of filtering medium packed tightly enough to filter the oil without channeling, superimposed about the tube, each of said units having means for admitting oil communicating with the tube, means for removing oil from the housing, said units being arranged within the casing to be all removable through said cover.

2,078,000
APPARATUS FOR TREATING LIQUIDS
Aage Jensen, Los Angeles, Calif.; Maude Margaret Jensen executrix of said Aage Jensen, deceased
Application February 13, 1933, Serial No. 656,555
3 Claims. (Cl. 257—104)



1. A device for treating liquids, comprising a container open at the top, a cover therefor mounted to swing down and up to close and open the same, a helical, rotatable, thermal treatment coil mounted to swing with said cover to move into and out of said container, said coil when said cover is closed being eccentric of said container and thereby more closely adjacent one wall part thereof than another wall part thereof, the lower end of said coil first receding from and then approaching said first wall part on opening and closing movements of said cover, means to rotate said coil, means simultaneously to convey thermal treatment medium therethrough, and a support, said cover and coil forming a unit swingingly mounted on said support, said support and said container being mounted independently of each other so that said unit and said container may be moved bodily relatively to each other when said cover is open.

2,078,001
RAILROAD SIGNALING SYSTEM
Elisée Auguste Joly, Epinay-sur-Seine, France, assignor to Compagnie du Chemin de Fer Métropolitain de Paris, Paris, France, a French Société Anonyme
Application April 30, 1934, Serial No. 723,244
In France May 8, 1933
3 Claims. (Cl. 246—4)

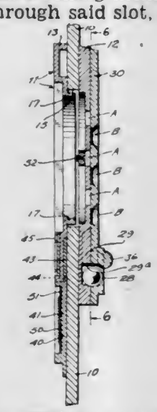


1. In a railroad signaling system, comprising track apparatus, vehicle apparatus, electrical connections established between said track apparatus and said vehicle apparatus at the passage of the vehicle, a source of direct current, a source of alternating current of lower maximum voltage than said source of direct current, means for bringing said source of direct current into circuit with said electrical connections in either direction of polarity, and other means for bringing said source of alternating current into circuit with said electrical connections, the combination in said electrical connections of two separate conducting members adapted to make contact successively with an individual conducting member having relative motion to said separate conducting members at said passage, one of said two separate conducting members controlling the setting of said vehicle apparatus in condition for receipt of signaling current, and the other of said two separate conducting members controlling the response of said vehicle apparatus upon receipt of subsequent signaling current.

2,078,002
ATTACHMENT FOR DOORS
Henry F. Keil, Searsdale, and Adam Schoorel, New York, N. Y., assignors to Francis Keil & Son, Inc., a corporation of New York
Application June 23, 1936, Serial No. 86,730
11 Claims. (Cl. 20—39)

1. In a device of the character described, in combination, an apertured member having exposed on its rear face a groove, said groove having a vertical portion and a downwardly inclined lower portion above which is an abutment, a closure member, means mounting the latter for

sliding movement relative to said apertured member and having a transverse slot adapted to register with said second-mentioned portion of said groove, and a rolling member in said groove and exposed through said slot, said rolling member normally assuming a position underneath said abutment but being movable along said second portion of said groove and upon upward movement of said cover plate being movable along the first portion of said groove.

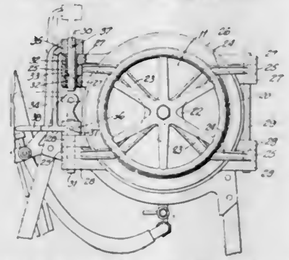


2,078,003

DOOR FOR TANKS

William B. Klein, Chicago, Ill.

Application March 30, 1936, Serial No. 71,801
6 Claims. (Cl. 220—57)



1. In combination with a tank, an upper lug and a lower lug having aligned bores on one side of the tank and an upper lug and a lower lug having aligned bores on the opposite side of the tank, a spider having radially projecting members on one side provided with bores adapted to align with the bores in one pair of lugs and similar radially projecting members provided with bores adapted to align with the bores in the other pair of lugs, a pintle entered through the aligned bores on one side of the tank and slidable locking means entered through the aligned bores on the opposite side of the tank, a screw stem entered through the spider, and a door carried by the stem and adapted to seat against the end of the tank.

2,078,004

SNARE DRUM MUFFLER AND PRACTICE PAD

Charles F. Lebow, Salina, Kans.

Application March 8, 1935, Serial No. 10,071
6 Claims. (Cl. 84—411)

1. A drum muffler and practice pad comprising a batter head of relatively resilient material, a supporting bolt carried thereby, an anchoring plate carried by the bolt, washers for spacing the anchoring plate from said batter pad, supporting arms for said anchoring plate, means pivotally connecting said arms to said anchoring plate whereby said arms may be spread apart or folded to an overlapping position, and a flat muffler pad secured to said bolt adjacent said batter pad.

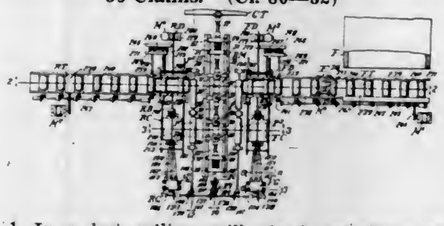


2,078,005

MILL PLANT FOR ROLLING HOT METAL

George Gordon Lloyd, Youngstown, Ohio, assignor of one-twentieth to W. C. Coryell, Youngstown, Ohio

Application December 26, 1934, Serial No. 759,142
36 Claims. (Cl. 80—32)



1. In a hot rolling mill plant, roughing and finishing mill stands having the roll axes in substantial alinement, and front and rear coilers movable along lines substantially parallel to the axes of said rolls into and out of alinement with the paths of travel of the work through the passes of said stands, respectively.

2,078,006

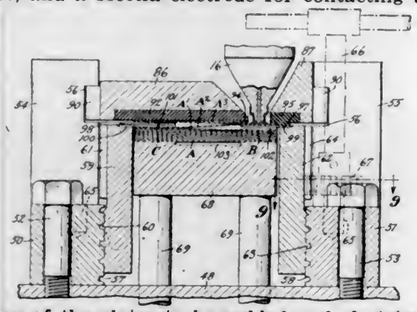
APPARATUS FOR WELDING

Henry C. Lockwood, Brooklyn, N. Y.

Application November 20, 1934, Serial No. 753,849
26 Claims. (Cl. 219—4)

3. Apparatus for welding metal plates to form bellows which comprises means for supporting the plates to be welded together with any plates previously welded, means within the area of the bellows plates and disposed between adjacent plates in electrical contact with one of said plates providing a welding electrode, means for clamping together all of said plates and said electrode, a second electrode in contact with another of the plates to be welded, means for supplying welding current to said electrodes, and means providing relative movement between the plates and one of the electrodes while maintaining electrical contact therebetween.

25. Apparatus for welding metal plates comprising a first electrode having a thin portion in contact with one of the plates in the area to be welded consisting of a relatively soft electrical conducting material, means for imparting to the work contacting portion of the first electrode, the qualities of a good welding surface, and a second electrode for contacting another of the plates to be welded and electrically connected to the first electrode in a welding circuit.



2,078,007

PROCESS OF MAKING ARTICLES HAVING THE APPEARANCE OF PEARL

Jacob Lurie, Springfield, Mass., assignor to The Fiberloid Corporation, Indian Orchard, Mass., a corporation of Massachusetts

No Drawing. Application June 17, 1935, Serial No. 26,933
3 Claims. (Cl. 91—68)

1. The process of producing pearl effect on articles which consists in mixing the pearly substance with a suitable liquid carrier and in an amount to produce orientation, floating the mixture on a bath of liquid in a sufficiently thin film to produce orientation of the pearly substance and thereby orienting the particles of the pearly substance, and then bringing the article to be coated into contact with the mixture.

2,078,008

PROCESS OF ORNAMENTING MATERIAL

Jacob Lurie, Springfield, Mass., assignor to The Fiberloid Corporation, Indian Orchard, Mass., a corporation of Massachusetts

No Drawing. Application June 17, 1935, Serial No. 26,934
5 Claims. (Cl. 91—68)

1. The process of coating articles including sheets which consists in preparing a suitable coating liquid containing a solvent, forming from said coating liquid a film floating on a bath of another liquid which is not a solvent for the base material of the coating liquid, allowing the floating film to harden sufficient to toughen and render the same flexible and self-conformable to a surface brought in contact therewith by the evaporation of solvent, softening the surface of the article to be coated, and finally bringing the article to be coated into contact with the floating film.

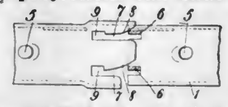
2,078,009

TENSION RING CLOSURE FOR PACKING CONTAINERS

Alfons Mauser, Cologne-Marienburg, Germany, assignor to Mauser Maschinenbau G. m. b. H., Cologne-Ehrenfeld, Germany

Application June 21, 1935, Serial No. 27,805
In Germany March 28, 1935
7 Claims. (Cl. 220—61)

1. A tension ring closure for packing containers, comprising a ring having at one end a plurality of webs extending longitudinally and pressed out of the material of the ring to project radially and at the other end oblique parts on which the projections can slide so as to be deflected tangentially but not radially and behind which the projections catch in the closed position of the ring.

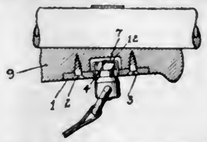


2,078,010

DETACHABLE FLUSH SWIVEL FOR GUN SLINGS

Max Meepos, Los Angeles, Calif.

Application March 6, 1934, Serial No. 714,329
2 Claims. (Cl. 42—85)



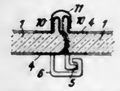
1. Means for removably attaching the ends of a sling to the forestock portion and butt stock portion of a firearm, respectively, comprising a plate to cover a groove in either of said stock portions and adapted to be securely attached to the stock portion substantially flush therewith, a longitudinal slot in said plate, and locking means attached to the sling and adapted to attach said sling to the firearm, said locking means comprising a swivel body, a spring actuated shaft passing through said body, a plate attached to one end of said shaft, and locking means on said shaft adapted to pass through the slot in said first named plate and adapted to attach the shaft to said first named plate by a rotation thereof.

2,078,011

SHED

Carl Anton Neher, Aschaffenburg-on-the-Main, Germany

Application February 27, 1936, Serial No. 66,093
In Germany March 8, 1935
7 Claims. (Cl. 72—1)



1. In a shed constructed of plates, rigid frames surrounding the plates, each frame having one side of convex cross-section and the other side of concave cross-section, the convex side of one frame fitting into the concave side of the adjoining frame, and hooks on the frames adapted to draw the plates together.

2,078,012

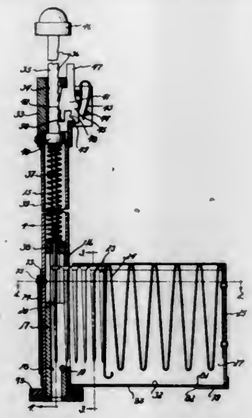
NAILING MACHINE

Felix R. Newell, Highland Park, Mich.

Application May 10, 1935, Serial No. 20,778
1 Claim. (Cl. 1—46)

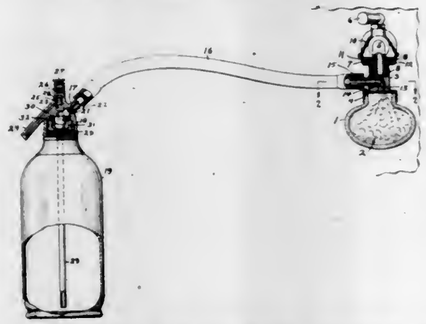
In a nail driving machine of the class described, a tubular handle member; a head mounted on one end of said tubular member and having a passage formed therethrough in alignment with the bore of said tubular member; a driving plunger slidably mounted in said tubular member and projecting through said

passage; a spring for normally retaining the driving end of said plunger retracted toward the head bearing end of said tubular member; means for locking said plunger in its various positions of movement upon movement of the same toward one end of said tubular member; a knob carried by said plunger engageable with said locking means upon movement of said plunger to a pre-determined distance relatively to said



tubular member for moving said locking means into unlocking position; a shoulder on said head; a locking nose on said locking member movable into position behind said shoulder; and a collar on said plunger engageable with said locking member upon retraction of said plunger within said tubular member for engaging said locking member and releasing the same for movement to locking position.

2,078,013
BEVERAGE FORMING MEANS
John Nutry, Brooklyn, N. Y.
Application November 19, 1935, Serial No. 50,509
3 Claims. (Cl. 225—21)

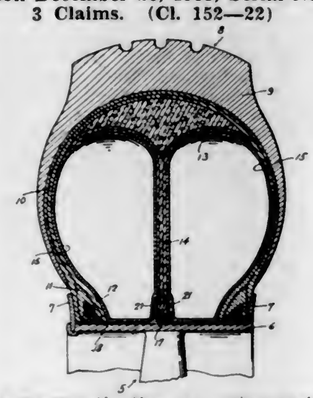


1. In a means for preparing beverages, the combination with a receptacle for holding a beverage ingredient and mixing it with a liquid, of a closure for said receptacle having an inlet passage for liquid under pressure and an exit passage for the mixed liquid and ingredient also under pressure, said closure also having a socket into which said inlet passage opens adapted to receive the end of a pipe communicating with a source of liquid pressure.

2,078,014
SCREEN MANUFACTURE
Floyd F. Oplinger and Christian John Wernlund, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 17, 1934, Serial No. 706,987
8 Claims. (Cl. 204—8)

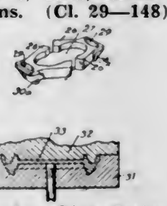
1. A process for making soldered, woven wire screen comprising electroplating a woven wire screen with tin from an acidic plating bath, electrodepositing a further tin coating on said screen from an alkaline plating bath and thereafter heating said screen under non-oxidizing conditions to effect a soldering of wires of said screen at their points of intersection.

2,078,015
PNEUMATIC TIRE
Arthur E. Perkins, Fairfield, Idaho
Application December 26, 1935, Serial No. 56,270
3 Claims. (Cl. 152—22)



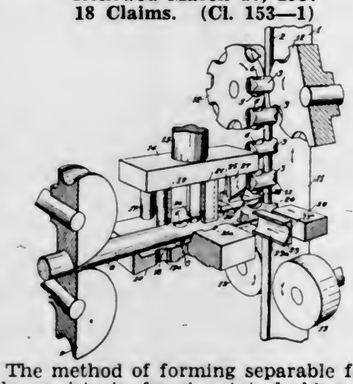
1. In a pneumatic tire, an outer casing having a tread wall and side walls terminating with annular beads, two inner tubes arranged side by side in said casing, a thin flexible medial wall extending inwardly from said tread wall between said tubes, a split band arranged within the confines of said outer casing and against which said annular beads bear and said band being provided with a medial channel extending radially outwardly therefrom, and said medial wall having a free circular edge fitting snugly within said channel.

2,078,016
METHOD OF FORMING INTERLOCKING MEMBERS FOR SEPARABLE FASTENERS
Noel Joseph Poux, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application August 7, 1933, Serial No. 683,973
35 Claims. (Cl. 29—148)



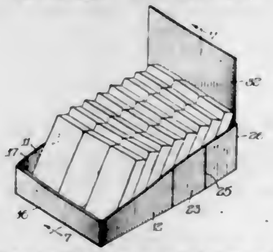
18. The method of making fastener elements each having a pronged attaching portion which consists in forming a blank for a pair of elements, finishing the blank and removing a portion of the blank from between its ends to form a pair of pronged base portions with unfinished inner surfaces.

2,078,017
METHOD OF MAKING SEPARABLE FASTENERS
Noel J. Poux, Meadville, Pa., assignor, by mesne assignments, to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application January 3, 1931, Serial No. 506,363
Renewed March 10, 1937
18 Claims. (Cl. 153—1)



1. The method of forming separable fasteners which consists in forming interlocking member jaws on the end of a rod by removing intervening material; feeding the rod and advancing the member jaws while integral with the rod to move the jaws to a position to straddle the edge of a fastener stringer; closing the jaws; and severing the member from the rod.

2,078,018
CONTAINER
Henry K. Powell, Chicago, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illi-
Application October 26, 1934, Serial No. 750,033
11 Claims. (Cl. 206—44)



2. A display container, comprising a front wall, a rear wall, main side walls connected to said front wall, auxiliary side walls connected to said main side walls and to said rear wall, said auxiliary side members being scored and foldable into doubled-over closed position to form a relatively small receptacle and unfoldable to form a relatively large receptacle.

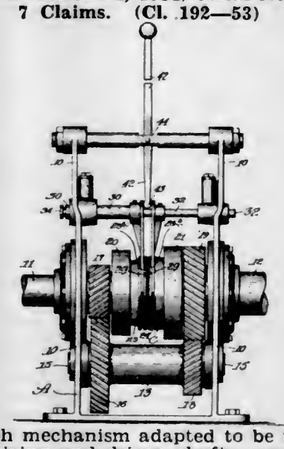
2,078,019
AIRCRAFT
Henri Augustin Rabatel, Paris, France
Application February 26, 1936, Serial No. 65,877
In Belgium March 1, 1935
7 Claims. (Cl. 244—57)

1. In an aircraft, the combination of a liquid cooled engine, a fuselage the front part of which encloses said engine, a cooling radiator for said engine located inside said fuselage behind said engine, conduits in said fuselage having at least one opening in the front part of said fuselage and extending rearwardly along said engine to the front face of said radiator for guiding cooling air to said radiator, and a partition of curved shape within said fuselage separating said engine and



radiator from the rear of said aircraft and having its convexity turned toward the front of said aircraft, said partition forming an annular chamber with a portion of said fuselage, said chamber having at least one opening toward the outside, the cross section of said chamber tapering toward said opening, said opening being located in a zone of low pressure on said fuselage.

2,078,020
CLUTCH MECHANISM
Bruce Ridgeway, Mexico, Mo.
Application March 14, 1934, Serial No. 715,525
7 Claims. (Cl. 192—53)

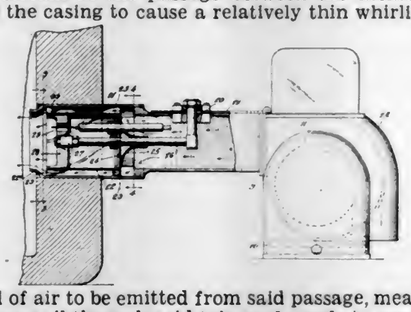


1. Clutch mechanism adapted to be used with aligned driving and driven shafts, comprising a clutch member secured to one of said shafts, a cooperating clutch member slidably secured to the other shaft, said clutch members being provided with telescoping contacting faces having their peripheral outline deviating from a true circle, means for shifting said slidable clutch member, and means slidably mounted on the same shaft with said slidable member for locking said slidable clutch member in engagement with said first mentioned clutch member.

2,078,021
OIL BURNING APPARATUS
Hilmer F. Rodier, Woodcliff, N. J.
Application July 2, 1935, Serial No. 29,469
3 Claims. (Cl. 158—76)

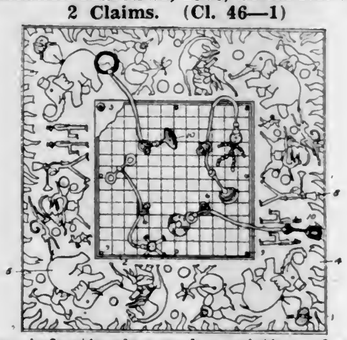
1. In an oil burning apparatus, a cylindrical member, plates closing the ends of said cylindrical member, a tube passing through said member, a nozzle attached to one end of the tube and passing through one of said plates, a cylindrical casing encircling said member, said cylindrical member having a plurality of spaced spiral vanes integral with the outer wall thereof, said vanes being attached to the inner wall of the casing to

space the member from the casing to provide a relatively narrow passage, means to create an air stream in the passage between the member and the casing to cause a relatively thin whirling



wall of air to be emitted from said passage, means to force oil through said tube and nozzle to create a mist of oil, and means extending beyond the plate through which the nozzle projects to ignite the mist of oil.

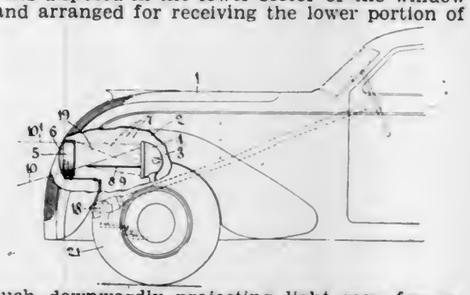
2,078,022
INFANT'S PLAY PAD
Frank T. J. Roemer, Fort Wayne, Ind.
Application March 23, 1936, Serial No. 70,228
2 Claims. (Cl. 46—1)



1. An infant's play pad consisting of a fabric base having a decorated border, an absorbent pad removably attached to the central portion of the base, the pad having less dimensions than the base whereby the decorated border of the base is exposed, swivelled rings attached to the pad and members longitudinally slidable in the rings having toys attached to their opposite ends respectively, the members being of such length and the rings being mounted at such points on the said border and one toy on each member is the pad that no toy can be moved outwardly off always within the reach of the infant.

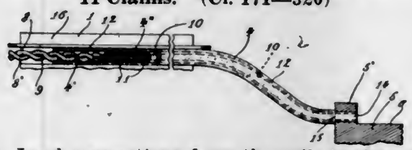
2,078,023
VEHICLE HEADLIGHT
George W. Roosa, Kenmore, N. Y.
Application April 2, 1934, Serial No. 718,715
5 Claims. (Cl. 240—7.1)

1. A headlight construction for motor vehicles, having a window, a reflector rearwardly from the window, a source of light in the reflector, a light ray intercepting plate interposed between the reflector and the window in a plane substantially parallel to the axis of the forwardly projecting light beam, said plate being disposed substantially below the beam axis for intercepting light rays tending to pass upwardly through the window and terminating short of the window to permit substantially full passage of downwardly directed light rays through the window, and a plurality of vertically disposed laterally spaced slats disposed in the lower sector of the window and arranged for receiving the lower portion of



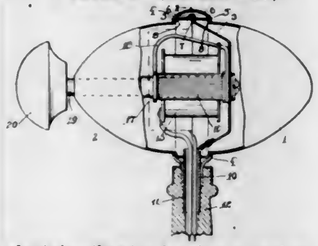
such downwardly projecting light rays for reflecting them laterally with the lower portion of the forwardly projecting light beam, the upper portion of the window being free for unobstructed projection of the upper portion of the light beam.

2,078,024
ARMATURE LEAD CONNECTION
Clement E. Roth, Towson, Md., assignor to The Black & Decker Manufacturing Company, a corporation of Maryland
Application May 23, 1936, Serial No. 81,374
11 Claims. (Cl. 171—320)



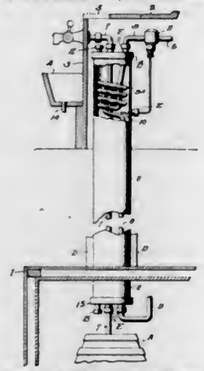
1. Lead connections from the coils to the commutator bars of a series motor each comprising a tubular member of conducting material, metallicly connected at one end to a commutator bar, the coil wires corresponding to said bar taken from the rear of the coil being inserted and metallicly contacted within the other end of said tubular member, and an insulating sleeve enclosing the tube and contacting the wire insulation adjacent the coils, the insulated tubes being seated in the core slots and fitting closely therein.

2,078,025
ELECTRIC VIBRATOR
Abe O. Samuels, Rochester, N. Y., assignor to Samson-United Corporation, Rochester, N. Y.
Application February 19, 1935, Serial No. 7,239
7 Claims. (Cl. 128—55)



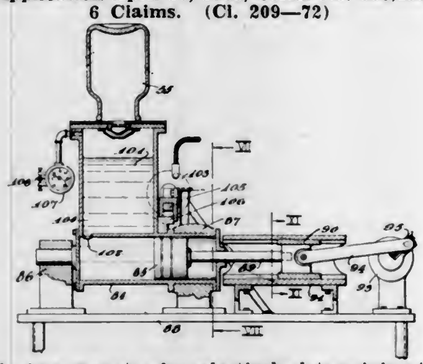
6. An electric vibrator having a casing comprising a pair of substantially cup-shaped shells arranged to have their open ends face each other, a partition held within and in determined relation to said shells, a locking band surrounding and engaging said shells to lock said shells together, an electric vibrating mechanism, means provided on said partition to support said vibrating mechanism partially in each of said shells and locate said vibrating mechanism substantially intermediate the remote ends of the casing, and a massaging applicator on the outside of said casing operatively connected to said vibrating mechanism through one end of said casing.

2,078,026
CONDUCTING AND DISPENSING SYSTEM FOR BEER
Harry J. Sandell, Ashby, Minn.
Application July 29, 1935, Serial No. 33,698
10 Claims. (Cl. 225—1)



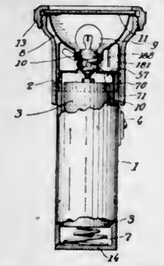
2. In a system of the class described, the combination comprising a stack or conduit extending from a source of liquid supply to a dispensing outlet, said stack having end closure members as to form a substantially vacuum tight chamber, a dispensing pipe and a refrigerating pipe extended through said chamber and members, the latter being provided with means of tight connections at points of entry and exit of said pipes, means to create a vacuum within said chamber, means adjustable, thermally controlled and in thermal contact with the interior of said chamber to regulate the temperature therein.

2,078,027
MEASURING APPARATUS
Anton Schmid, Huntington, W. Va., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application April 17, 1933, Serial No. 666,486
6 Claims. (Cl. 209—72)



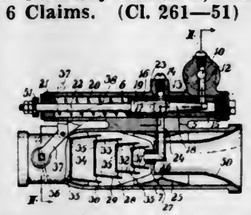
1. An apparatus for selectively determining the voluminal capacity of articles and discarding articles of a capacity outside of predetermined limits, said apparatus including a support for the articles, means for withdrawing a measured amount of air from the interior of a said article when mounted on the support and thereby producing a partial vacuum within the article, and means for discharging the article from said support when said degree of vacuum is outside of a predetermined limit.

2,078,028
FLASHLIGHT
Paul Schneider, Berlin-Friedenau, Germany, assignor to Batterien-u. Elemente-Fabrik System Zeiler A.-G., Berlin, Germany, a company of Germany
Original application September 16, 1933, Serial No. 689,756. Divided and this application March 21, 1935, Serial No. 12,274. In Germany September 19, 1932
2 Claims. (Cl. 240—10.66)



2. In a flashlight, a divided casing comprising an upper portion of insulating material, pins on said upper portion, a reflector in said upper portion, a lower portion, also of insulating material, a bottom plate at the lower end of said lower portion made integral therewith, said lower portion being adapted to be rotated and shifted axially with respect to said upper portion, a transverse partition including two hollow cylinders placed end on end, a thread on one of said cylinders, a thread at the upper end of said lower portion for holding the cylinder on the lower portion, a lamp bulb on said partition, the other cylinder having a cam slot for each of the pins on said upper portion to engage in, and tongues arranged on said other cylinder so as to bear against the inner side of said upper portion by resilient reaction.

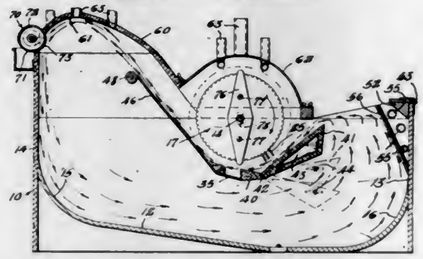
2,078,029
CARBURETOR FOR INTERNAL COMBUSTION ENGINES
Ignaz Schorsch, Prague, Czechoslovakia
Application March 7, 1936, Serial No. 67,729
In Germany March 8, 1935
6 Claims. (Cl. 261—51)



2. A carburetor for internal combustion engines comprising a throttle, an air intake, a plurality of mixing and atomizing chambers located between said throttle and said air intake and

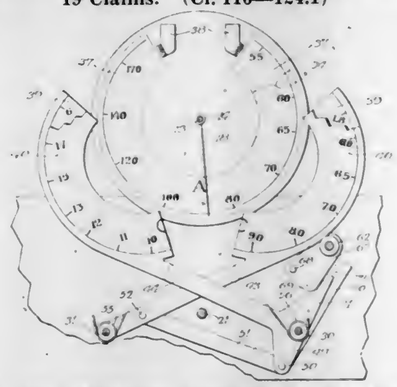
arranged in overlapping relation, said chambers being open on the air intake side and closed by permeable means on the throttle side and means for leading fuel to the mixing and atomizing chamber located nearest to said air intake.

2,078,030
METHOD AND APPARATUS FOR BEATING PAPER PULP
Walter N. Sherwood, North Hoosick, N. Y.
Application September 10, 1934, Serial No. 743,318
9 Claims. (Cl. 92—25)



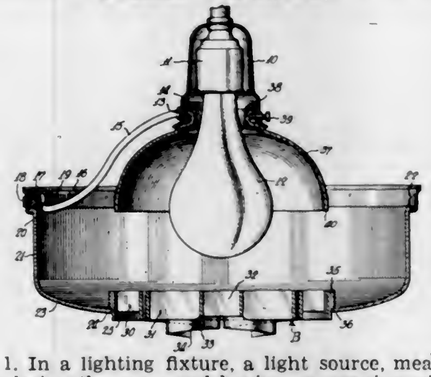
1. A paper pulp beater comprising a tub having an upwardly extending rear portion provided with a curved ceiling adjoining the rear wall of the tub, a beater roll rotatably mounted in the tub and extending across the width of the same, a bed plate arranged below the beater roll, a dam member pivotally mounted forwardly of the beater roll and operable to convey the paper pulp in the form of a flowing sheet to the beater roll, a guide plate arranged to the rear of the beater roll for directing the paper pulp discharged from the roll upwardly and rearwardly against the curved ceiling of the tub, the bottom of the tub being inclined downwardly toward the front and being connected to the rear and forward walls by ascending curved portions.

2,078,031
DIAL MECHANISM
Kurt Emde, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application December 3, 1936, Serial No. 113,993
19 Claims. (Cl. 116—124.1)



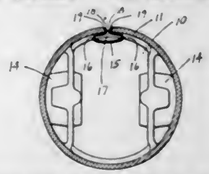
1. Dial mechanism comprising a dial formed of a plurality of relatively movable sections mounted for movement toward and from each other, an indicator, and adjustable means acting upon adjustment thereof to effect movement of the sections of said dial into and from position for cooperation with said indicator.

2,078,032
LIGHTING FIXTURE
Edward F. Sibbert, Brooklyn, N. Y., assignor to S. H. Kress and Company, New York, N. Y., a corporation of New York
Application February 7, 1936, Serial No. 62,725
4 Claims. (Cl. 240—78)



1. In a lighting fixture, a light source, means enclosing the same and having an opening with a baffle unit supported at the rim of said opening, said unit comprising a pattern of louver walls, defining openings of a variety of geometric configurations, the lower edges of said walls extending downward to different extents from the rim of said enclosing means.

2,078,033
PISTON EXPANDER
Walter J. Six, Indianapolis, Ind.
Application October 10, 1932. Serial No. 637,033
2 Claims. (Cl. 309—12)

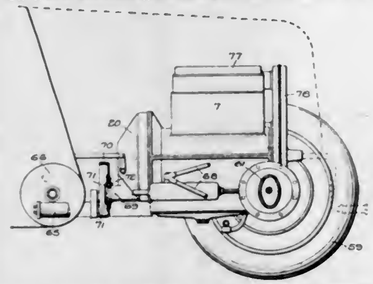


1. In combination with a piston having a head, oppositely disposed wrist pin bosses secured thereto, and a skirt depending therefrom having a substantially longitudinal slot located on one side intermediate said bosses, of a removable leaf spring expander sprung into position within said skirt under spring tension, said expander being mounted adjacent said slot and substantially midway between said bosses, the body portion thereof being slightly spaced inwardly free from the piston skirt and provided with opposite expansion folds running longitudinally thereof, which folds terminate in inner reverse folds spaced from each other, said reverse folds engaging and interlocking with the free edge of the slot for causing the expansion folds to normally exert an outward pressure for spreading the slot and expanding the skirt substantially midway between the bosses while yieldingly permitting contraction thereof.

2,078,034
VEHICLE
Sydney Smith, Chobham, England
Application April 24, 1936, Serial No. 76,152
In Great Britain January 18, 1935
9 Claims. (Cl. 180—43)

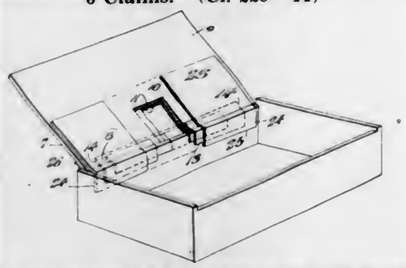
1. Vehicle drive means including a driving unit, a casing for said unit, change speed gearing

mounted in the lower portion of said casing, means coupling said gearing to said unit, a pair of transmission shaft housings mounted on opposite sides of said casing, transmission shafting extending in said housings, means for driving said shafting from said change speed gearing, a wheel mounting at the projecting end of each housing, a road wheel carried by each of said mountings, means for driving said wheel from said shafting, each of said housings being forked at its project-



ing end, spring means permitting movement of each of said wheel mountings relative to its associated housing, said spring means incorporating, for each of said mountings, substantially vertically disposed guides supported in the forked end of said housing, springs associated with said guides and acting between said mounting and said housing and a shock absorbing device for each of said mountings and incorporated with said guides.

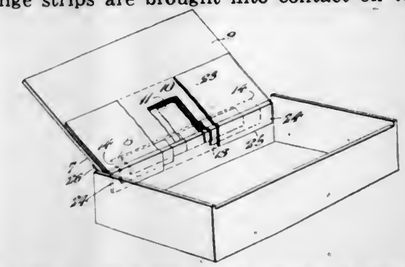
2,078,035
BOX MAKING
George H. Snyder, Glenside, and Allen G. Snyder, Chestnut Hill, Pa.
Application September 7, 1935, Serial No. 39,556
6 Claims. (Cl. 229—44)



1. In boxes, a lid, an easel strip emerging from an edge of said lid, a wall of a box, means for securing the easel strip to said wall comprising a hinge strip having a coating of adhesive and secured to the lid, to a portion of the easel strip and to the wall beyond a termination of the easel strip.

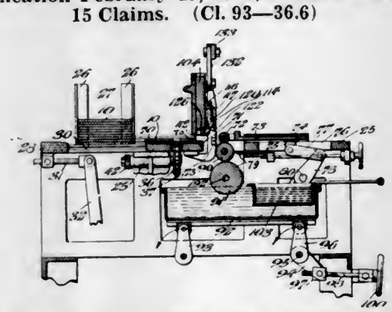
2,078,036
BOX MAKING
George H. Snyder, Glenside, and Allen G. Snyder, Chestnut Hill, Pa.
Original application September 7, 1935, Serial No. 39,556. Divided and this application February 19, 1936, Serial No. 64,759
5 Claims. (Cl. 93—55)

1. A method of associating lids with boxes which consists in providing an easel strip and a hinge strip anchored to the lid with the anchored portions in spaced relation, then in disposing the lid and a wall of the box in juxtaposition, then in securing relative movement of the lid and wall in the plane of the wall whereby the easel and hinge strips are brought into contact on top of



said wall, then securing the contacting easel and hinge strip in engagement with the inner surface of said wall.

2,078,037
BOX-LID MACHINE
George H. Snyder, Glenside, and Allen G. Snyder, Chestnut Hill, Pa.
Application February 19, 1936, Serial No. 64,760
15 Claims. (Cl. 93—36.6)

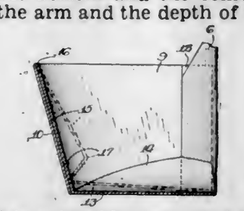


1. In a machine of the class described, means for moving a primary layer into a first stage position, means for coating a portion only of such primary layer with a narrow strip of adhesive in such position, means for applying an easel strip to superimposition upon the adhesive strip with a free edge extending laterally beyond an edge of the layer while said layer is held in the said position, means for moving the processed primary layer into a second stage, means for holding the processed primary layer against movement in the second stage, and means for superimposing and adhesively securing a secondary layer upon the first layer and the superimposed portion of the easel strip while the processed primary layer is held immovable in such second stage.

2,078,038
DISPLAY RECEPTACLE
Walter Jay Stephens, Chicago, Ill.
Application June 10, 1935, Serial No. 25,745
8 Claims. (Cl. 229—41)

7. A receptacle including relative movably interconnected side and end walls, a bottom swingably connected at one of its edges to one of said side walls adapted, at times, to be swung into substantial parallelism thereto, an arm swingably connected at one of its ends to an upper portion of another of the side walls, and an outwardly swingable toggle-like connection interposed between and connected to portions of said bottom and said arm, said toggle-like connection being so arranged with respect to the bottom and the arm whereby when the bottom is swung upwardly

toward said first mentioned side wall it will compensate for variance between the transversal width of the bottom and the combined over-all length of the arm and the depth of that side wall



to which it is swingably connected to permit said bottom and said arm and side wall to which the arm is swingably connected to move into relative substantially parallel planes and into substantial parallelism to the first mentioned side wall.

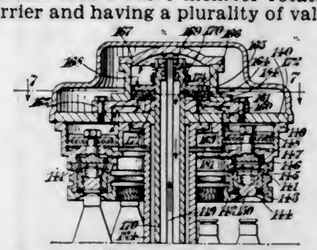
2,078,039
SELF-SEALING SIDING
Paul Stoner, Valparaiso, Ind.
Application August 5, 1936, Serial No. 94,424
4 Claims. (Cl. 20—5)



2. A beveled siding comprising a rabbet formed along both edges of each board, the angle of the rabbets being inclined to the inner and outer surfaces of the boards, a separate rabbet formed along the bottom edge of each board parallel to the outer surface, and means along the bottom edge comprising a drip off.

2,078,040
BOTTLE CAPPING APPARATUS
Herbert Cyril Taylor, London, England, assignor to U. D. Engineering Company Limited, London, England, a British company
Application April 9, 1935, Serial No. 15,409
In Great Britain July 9, 1934
6 Claims. (Cl. 226—85)

2. Apparatus for applying caps to containers comprising a fixed central supporting column, a carrier rotatable about said column, a plurality of pedestals distributed around the carrier and movable therewith, capping devices mounted on the carrier above the pedestals and rotatable with the carrier, means for feeding containers onto the pedestals as the carrier is rotated and fluid operative means automatically lifting the pedestals to bring the containers into operative position in relation to the capping devices and operating said capping devices to apply a cap to a container when in the raised position comprising walls in said central column forming a passageway for fluid, walls in said carrier forming passageways cooperating with the passageway in said column and a valve member rotatable with said carrier and having a plurality of valve cham-

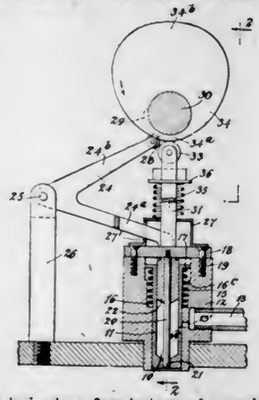


bers, one cooperating with each passageway, a plurality of distributing valves, one in each of said valve chambers, and a cam fixed to the supporting column operating said distributing valves successively as the carrier rotates.

2,078,041
POULTRY VACCINE
Robert W. Terry, Columbus, Ohio
No Drawing. Application June 25, 1935, Serial No. 28,358
5 Claims. (Cl. 167—53.1)

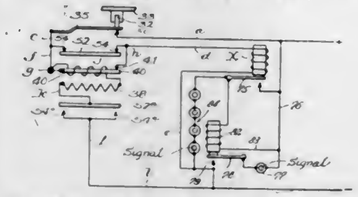
1. A fowl pox vaccine for intracutaneous administration comprising an ointment base containing therein an active filterable virus comprising the lesions of pox infected fowls.

2,078,042
FUEL INJECTION PUMP FOR INTERNAL COMBUSTION ENGINES
Alfred E. Traver, Brooklyn, N. Y.
Application July 30, 1935, Serial No. 33,800
7 Claims. (Cl. 299—107.2)



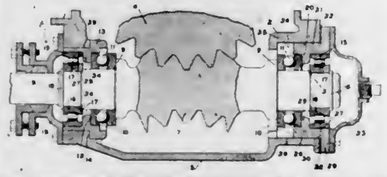
1. A fuel injector for internal combustion engines, comprising a body with an inlet for a fuel charge and a small quantity of air, a cylinder for a fuel charge and small quantity of air, and slidably mounted in said body and having a port normally aligning with said inlet, a stationary stem within the cylinder engaging a front opening therein for closing said opening, a piston in said cylinder and slidably on said stem, means for moving said cylinder to entrap the fuel charge and small quantity of air within said cylinder, means for moving said piston to compress the entrapped fuel charge and air to finely atomize and at least partially gasify it, and means for further moving said cylinder to free the opening from the stem so that the compressed fuel charge and air is discharged.

2,078,043
FLOW INDICATING APPARATUS
Charles A. Turner, Chicago, Ill., assignor, by mesne assignments, to Howe Manufacturing Company, Wilmington, Del., a corporation of Delaware
Application January 15, 1931, Serial No. 508,839
3 Claims. (Cl. 177—382)



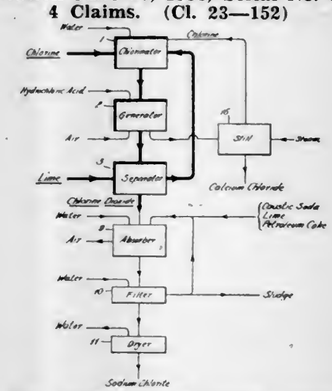
1. In a flow indicating circuit including a flow responsive device, a control circuit connected to a source of current and including a pair of line conductors, a relay having one terminal connected directly to one line conductor, a pair of conjointly operable switches actuated by said flow responsive device for the duration of flow, one of said switches being normally closed and having one contact connected to the other of said line conductors and the other contact connected to the other terminal of said relay for normally maintaining said relay energized, the other of said switches being normally open and having one contact connected to said one line conductor, a shunt for said normally closed switch, heat responsive means for opening said shunt, a heating coil connected between said other of said line conductors and the other contact of said normally open switch, and a signal circuit operable upon de-energization of said relay whereby actuation of said flow responsive device simultaneously opens said normally closed switch and closes said normally open switch to energize said heating coil for actuating said heat responsive means to open said shunt and thereby deenergize said relay, and whereby said relay is immediately re-energized upon cessation of flow by closure of said normally closed switch independently of said shunt.

2,078,044
WORM GEAR BEARING
Albert Vigne, Webster Groves, Mo., assignor to National Bearing Metals Corporation, St. Louis, Mo., a corporation of New York
Application October 11, 1935, Serial No. 44,496
1 Claim. (Cl. 308—174)



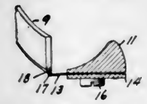
In a device of the class described, the combination with a housing, of a shaft therein provided with a worm, a thrust collar adjacent one end of the worm, an opening in said housing terminating in an internal shoulder, a removable bushing provided with an inwardly projecting flange, said bushing positioned in said opening and provided with an outwardly projecting flange seating against said shoulder, a thrust bearing positioned between said inwardly projecting flange and the collar, and a radial bearing positioned between the shaft and bushing at the opposite side of the flange.

2,078,045
PROCESS FOR THE PRODUCTION OF CHLORINE DIOXIDE
George Paul Vincent, New York, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application June 17, 1936, Serial No. 85,666
4 Claims. (Cl. 23—152)



1. In the production of chlorine dioxide, the improvement which comprises separating chlorine from a gas mixture including chlorine and chlorine dioxide by selective absorption of the chlorine by lime, subjecting the thus partially chlorinated lime to further chlorination to form calcium chlorate, reacting the thus formed calcium chlorate with hydrochloric acid to liberate a gas mixture including chlorine and chlorine dioxide, supplying this gas mixture to the first-mentioned separation and taking off chlorine dioxide from the first-mentioned separation.

2,078,046
LAWN MOWER CUTTING BLADE
Max M. Waldman, Reading, Pa., assignor of one-half to Edward B. Regar, Reading, Pa.
Application April 6, 1935, Serial No. 15,020
2 Claims. (Cl. 56—294)



1. In a lawn mower having a series of rotary cutters and a cutter blade support, a binding plate secured to said support and having its edge adjacent the rotary cutters substantially coincident with the like edge of said support, and a stationary flexible cutter blade having one longitudinal side clamped between said support and plate.

2,078,047
HAIR DRYING DEVICE
Anthony E. Zingone, New York, N. Y.
Application May 2, 1935, Serial No. 19,334
4 Claims. (Cl. 34—26)

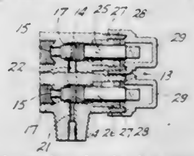
1. In a hair drying apparatus, a helmet adapted to receive the head and having walls defining an air distribution chamber and openings through one of said walls for distributing air from said chamber to the head, a hot air supply duct and a distensible conduit leading from the duct to the distributing chamber of the helmet, said duct comprising telescopically associated tubular sections, means connecting one of said sections to the duct for universal swinging

movement with reference thereto, one of said sections being provided with a peripheral groove in confronting relation to the other section, and a resilient split ring arranged between said sec-



tions within said groove to frictionally retain the sections in relative adjusted position while permitting of the manual telescopic sliding of the sections.

2,078,048
VALVE
John D. Baldwin, Jr., Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Original application April 27, 1932, Serial No. 607,787. Divided and this application April 30, 1934, Serial No. 723,042
2 Claims. (Cl. 277—46)



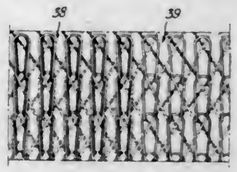
1. A multiple valve body having a plurality of valve stem and closure embracing cylindrical portions merging into the body thereof each having an axial longitudinal passage communicating with external agencies, said valve having a laterally disposed connector part also for communicating with external agencies with its axis extending substantially perpendicular to the axes of said cylindrical portions and intersecting the plane of at least two of the axes of said cylindrical portions between said axes and at an acute angle thereto, said body and connector having spaced lateral passages extending parallel to the axis of said connector and communicating with and substantially tangent to the said longitudinal passages in said cylindrical portions.

2,078,049
NONCRACKING JOINT COVERING AND FINISH
Anthony C. Benedict, Rockville Centre, N. Y.
Application July 9, 1936, Serial No. 89,719
30 Claims. (Cl. 72—16)



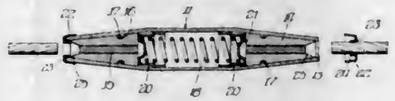
1. A finish comprising the combination of a porous under body applied in the form of a plastic on and bonded to a structural surface and attaining $\frac{1}{32}$" or more in thickness and an outer body applied as a coating over and bonded to the under body, the under body having when dry a porous structure of pronounced flexibility for absorbing strains, the outer body comprising divided solids including fibrous material and flexible binding material of the character of elastic varnish.

2,078,050
WARP KNITTED FABRIC AND METHOD AND APPARATUS FOR MAKING SAME
William J. Beniston, Seaford, N. Y., assignor to Julius Kayser & Co., New York, N. Y.
Application March 24, 1934, Serial No. 717,169
6 Claims. (Cl. 66—195)



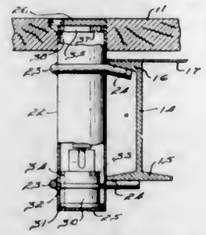
1. A warp knitted fabric having a knitted background, and knitted figure sections distributed throughout its area, said background and said sections consisting entirely of pairs of companion loops knitted from two threads of different character, said background having substantially equal amounts of both threads forming its loops exposed to view upon the surface of the fabric and each figure section having one loop of each pair drawn beneath the other loop and buried in the thickness of the fabric whereby only the thread forming one loop of each pair is exposed to view upon the surface of the sections.

2,078,051
CONNECTER FOR STRANDED CABLE
Arthur A. Berndt, Chicago, Ill., assignor to Electroline Corporation, Chicago, Ill., a corporation of Illinois
Application April 11, 1935, Serial No. 15,769
3 Claims. (Cl. 173—303)



3. A stranded wire connecter including a tubular casing having its end portions reduced in diameter to form tapering end portions, a set of gripping members housed within each end portion and engaging the walls thereof respectively, each set of gripping members having a bore longitudinally thereof for receiving the wire inserted into the casing, the wire receiving opening of each set being bevelled, resilient means located between the sets of gripping members for holding them in contact with the walls of their end portion, and a retaining ring fitted to each end of the connecter, each ring having a tapering circumference to conform to the tapering end portion of the connecter, the opening in the ring having a flaring entrance and the metal forming said opening continuing rearwardly to provide a lip overlying the bevelled edges of the gripping members, whereby said retaining ring will hold the strands of wire in confined relation and will direct said wire into contact with the gripping members.

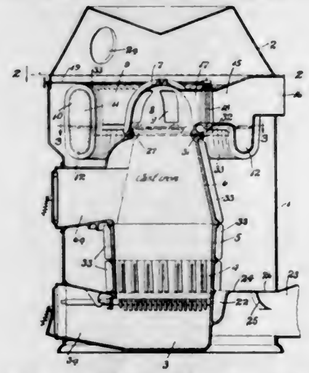
2,078,052
CAR LOADING DEVICE
Samuel D. Butterworth, Detroit, Mich., assignor, by mesne assignments, of ninety-nine per cent to The Worth Company, a corporation of Michigan
Application April 21, 1932, Serial No. 606,602
32 Claims. (Cl. 105—368)



1. In combination, a freight car or the like having an opening in the floor thereof, a vertical tube projecting below the surface of the floor of the car and fastened relative to the latter, an anchoring element mounted for vertical sliding movement in said tube, and means connected to said anchoring element and accessible through the opening in the floor for anchoring a vehicle or the like in the car.

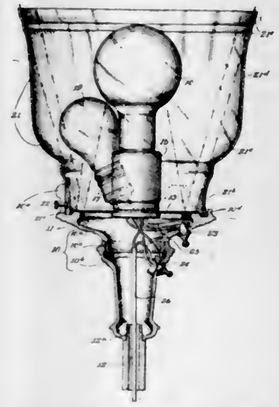
2. In combination, a freight car or the like having an opening in the floor thereof, a housing well projecting below the floor of the car and fastened relative to the latter, an anchoring element mounted in such well for vertical sliding movement, means for limiting upward movement of the element in the well, and means connected to the element and accessible through the opening in the floor for anchoring a vehicle or the like in the car.

2,078,053
HOT AIR HEATING FURNACE
Donald J. Campbell, Spring Lake Township, Ottawa County, Mich., assignor to Campbell Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan
Application February 26, 1934, Serial No. 712,984
7 Claims. (Cl. 126—119)



1. In a hot air heating furnace comprising in combination, a fire pot portion and upper and lower combustion chamber portions and a slide joint between the upper and lower combustion chamber portions consisting of an upwardly extending flange on the lower combustion chamber portion upon which the upper combustion chamber portion rests, spaced horizontally extending flanges on each of the combustion chamber portions, each flange being provided with a groove and a flexible packing in the said grooves, said upwardly extending flange being laterally spaced from the upper combustion chamber portion.

2,078,054
ELECTRIC LAMP FOR SEMIINDIRECT LIGHTING PURPOSES
Edward T. Camenisch, Chicago, Ill., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application January 6, 1936, Serial No. 57,729
10 Claims. (Cl. 240—81)

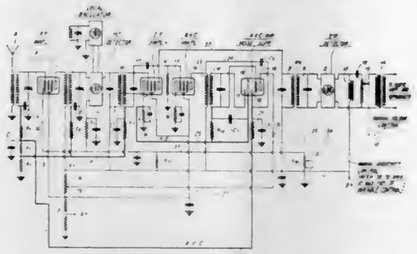


1. In an electric lamp, the combination of a hollow lamp head of metal having an opening at its upper end, a metal plate for closing said opening, devices removably securing said plate to said head, a central lamp socket carried by and above said plate coaxially with said head, a second lamp socket carried by and above said plate at one side of said central socket, electric switches carried by said head for independently controlling current flow to said sockets, and electrical conductors in said head connected with said sockets and said switches, said head having a lower portion for connection with a lamp column and an upper portion for supporting said plate, said head portions having quick lead cooperating screw threads connecting them by which said head portions may be separated from each other or secured together as desired by less than one rotation of said head portions relatively to each other.

2,078,055
AUTOMATIC VOLUME CONTROL WITH NOISE SUPPRESSOR
Wendell L. Carlson, Haddonfield, and Loren R. Kirkwood, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 22, 1932, Serial No. 648,422
35 Claims. (Cl. 250—20)

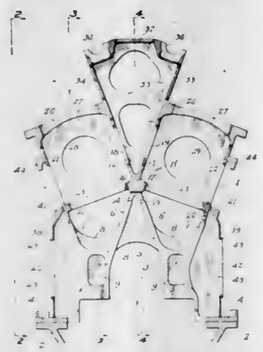
1. In combination with an amplifier having a signal input circuit and an output circuit, a rectifier coupled to said signal input circuit, a control tube having its grid connected to said rectifier and its cathode connected to the amplifier cathode whereby said amplifier is biased to cut-off in the absence of signals, and an additional rectifier, coupled to said signal input circuit to receive signals therefrom, including a direct current connection to a gain control electrode of said

amplifier for automatically regulating the gain of the amplifier when signals impressed on the amplifier input vary from a desired level.



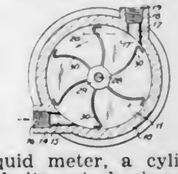
25. Radio receiving apparatus comprising, in combination, signal selecting means turnable to receive any signal of a desired frequency in a predetermined signal frequency range, a demodulator coupled to the selecting means, an audio amplifier following said demodulator, light indicating means connected to said amplifier for producing variations in light in accordance with the average current flowing through the amplifier, and means for automatically controlling the current flow through said amplifier in response to a variation in amplitude of a received signal.

2,078,056
FRAME FOR HIGH COMPRESSION APPARATUS
Everett Chapman, Coatesville, Pa.
Application September 15, 1936, Serial No. 100,909
12 Claims. (Cl. 121—194)



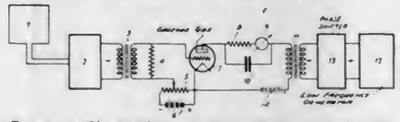
1. An apparatus of the character described, having in combination a frame for V-type high compression apparatus providing upper and lower cylinder supporting members, a base member, a bearing supporting member united with said base and providing a plurality of projecting members, cylinder frame members angularly disposed toward each other and having inner and outer walls in alinement with the projecting members on said bearing supporting member, and a continuous central member extending substantially the entire length of said apparatus having integral flanges in alinement with said inner cylinder frame members and said inner projecting members of said bearing supporting member and secured to said members so as to provide a structure having the inner walls of each respective series of cylinder frame members in alinement and crossing the companion inner walls through said longitudinal member.

2,078,057
LIQUID METER
Axente Chirca, Cleveland, Ohio
Application November 11, 1935, Serial No. 49,240
3 Claims. (Cl. 73—229)



1. In a liquid meter, a cylindrical chamber arranged with its axis horizontal, a rotor with outwardly extending vanes fixedly mounted thereon, said chamber having an approximately tangential inlet port near the bottom thereof, and having an exit port positioned above the said axis and below the top of the chamber, whereby an air pocket is formed in the top of the chamber, said vanes being convex on their sides away from the direction of rotation of the rotor, and having feet at their outer ends extending rearwardly with respect to the direction of rotation, there being a substantial clearance between the vanes and the chamber wall at said air pocket.

2,078,058
RADIOGONIOMETER
Henri Chireix, Paris, France, assignor to Compagnie Generale de Telegraphie sans Fil, a corporation of France
Application November 9, 1935, Serial No. 48,985
In France November 14, 1934
4 Claims. (Cl. 250—11)



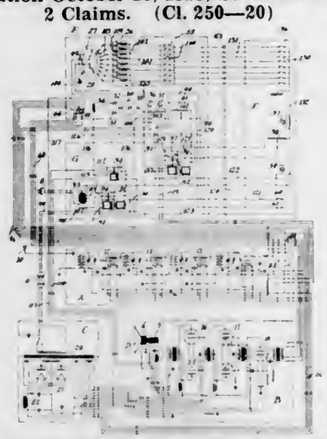
1. In a radiogoniometer system, receiving apparatus comprising a directional loop antenna, a signal translating device connected to said antenna and including a gaseous discharge tube having a predetermined ignition voltage characteristic, means for applying to said tube an anode potential having both alternating and direct current components, means for synchronizing the positive wave crests of said anode potential with the initial portions of the impulses constituting a train of received signals, and means for indicating the effects of the initial portions of said impulses to the exclusion of echo effects due to the reception of reflected signaling waves.

2,078,059
HANDWHEEL COVER
Ralph H. Churchill, Chicago, Ill.
Application September 16, 1935, Serial No. 40,720
3 Claims. (Cl. 74—558)



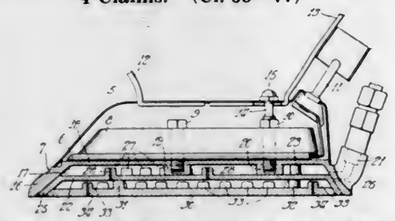
1. A hand wheel cover comprising an originally flat annular band of elastic fabric transversely curved for substantially encasing the wheel rim, together with a soluble adhesive securing the inner surface of the band to the outer surface of the rim, the material of the band being sufficiently porous so that, upon external application, a solvent will penetrate through the band to the adhesive for softening it and permitting removal of the cover.

2,078,060
REMOTE CONTROL SYSTEM FOR RADIO RECEIVERS
Lewis M. Clement, Mountain Lakes, N. J., assignor, by mesne assignments, to Federal Telegraph Company, Newark, N. J., a corporation of California
Application October 16, 1929, Serial No. 399,892
2 Claims. (Cl. 250—20)



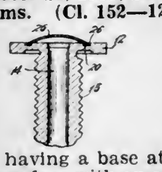
2. In combination with a radio receiver set having a tuning element and a loudspeaker unit, an electric driving motor having a plurality of selectively operable control circuits, means controlled over each circuit and acting upon operation to energize said motor to move it a predetermined distance, means rendered effective by said motor upon movement of said predetermined distance for opening the motor circuit, means for predetermining said distance and for making it different for each of said control circuits, means effective upon movement of said motor to by-pass the loudspeaker unit whereby silent tuning of said receiver may be operatively effected, and means rendered effective by the opening of said motor circuit to disconnect the bypass of said loudspeaker whereby operation of said set at its new position of tuning may be resumed.

2,078,061
PRESSING IRON
Harry P. Cooper, Chicago, Ill.
Application October 14, 1935, Serial No. 44,916
4 Claims. (Cl. 38—77)



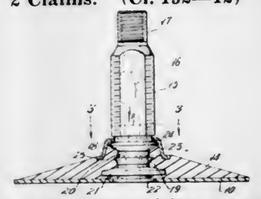
1. In a pressing iron of the character described, a pressing body comprising an outer member having a recess on its under surface, and a bottom plate sealed to the outer member around the edge of said recess, said outer member having an inlet into said recess, and a partition member in said recess dividing the same into upper and lower chambers, said partition member having a peripheral flange thereon extending down between the bottom plate and said outer member and sealed to both of them, said inlet opening into the recess above the partition, and the partition and bottom plate having apertures therethrough.

2,078,062
VALVE STEM
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 24, 1933, Serial No. 699,536
2 Claims. (Cl. 152—12)



1. A valve stem having a base at its inner end provided on its inner face with an annular groove, a bore extending through the stem having an unobstructed portion terminating centrally of the inner face of the base, and deflecting means carried by said base and having a portion spaced outwardly from and overlying the inner end of the bore and of a width greater than the diameter of said bore but less than the diameter of said base, said deflecting means also having portions located in said annular groove, said base having peened-over portions adjacent said groove for holding said deflecting means assembled therewith.

2,078,063
VALVE STEM
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 17, 1934, Serial No. 720,992
2 Claims. (Cl. 152—12)

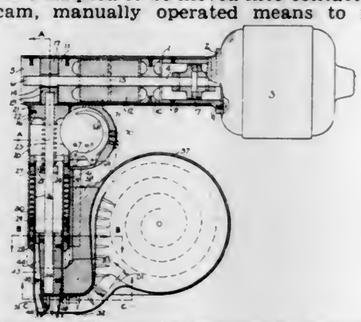


1. A valve stem comprising a rubber base adapted to be vulcanized to a tire tube, a metal stem secured to said base and adapted to extend through the usual rim opening, said stem having a laterally projecting portion, and a conical rigid ring secured to said stem and base and engaging said projecting portion of the stem, said ring having a flange engaging said base and adapted to contact with the inner side of the rim whereby any thrust placed on the base by the air pressure will be taken by the ring.

2,078,064
NAIL AND TACK DRIVING DEVICE
Edwin Lee Day, Houston, Tex.
Application April 7, 1932, Serial No. 603,697
Renewed April 20, 1936
8 Claims. (Cl. 1—53)

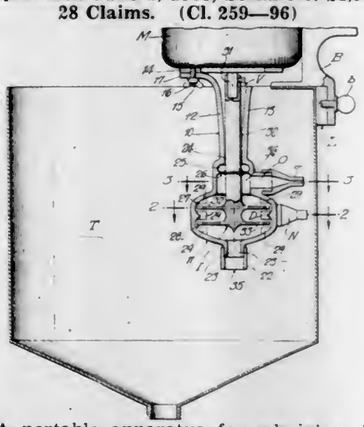
1. A tack-driving device including a light portable housing, said housing forming a handle by

means of which said device is moved to tack driving position, a motor thereon, a cam on the shaft of said motor within said housing, a hammer shaft adapted to be moved into contact with said cam, manually operated means to move



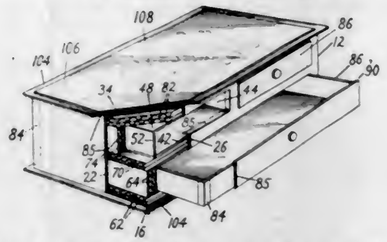
tacks into position to be engaged by said hammer shaft including a trigger adjacent said handle, a slide bar, and means operatively engaging said trigger and slide bar, and a chuck to hold each of said tacks while it is being driven by said hammer shaft.

2,078,065
PORTABLE MIXER
Gaston S. P. de Bethune, New York, N. Y.
Application June 1, 1935, Serial No. 24,561
28 Claims. (Cl. 259—96)



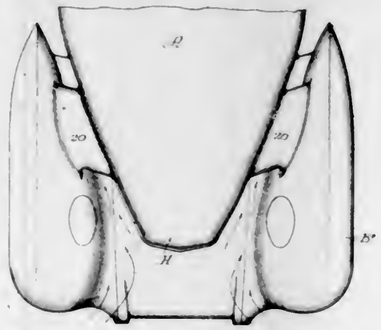
1. A portable apparatus for admixing, in an open container, materials at least one of which is a liquid, comprising a motor, a shaft actuated by said motor and adapted to project downwardly into said liquid from above the liquid level, an agitating impeller on said shaft, means for preventing the formation of a shaft vortex in the main body of the liquid complex, said means embodying a shaft sleeve assembled on the frame of said motor, extending downwardly toward said impeller, and having an opening in direct communication with the atmosphere positioned near the motor and above the level of the liquid, said sleeve surrounding that portion of said shaft from a point above to a point below the liquid level in proximity to the shaft, and a constriction between the shaft and sleeve below the liquid level of the complex, said shaft and sleeve coacting to establish in the passage therebetween a dynamic balance between the pressure energy imparted by the rotation of said shaft to the air confined in said passage and the pressure energy of the liquid confined in said passage.

2,078,066
COMPARTMENT BOX AND ASSEMBLY FOR USE THEREIN
Joseph J. Dombroski, Providence, R. I.
Application November 16, 1935, Serial No. 50,173
12 Claims. (Cl. 229—10)



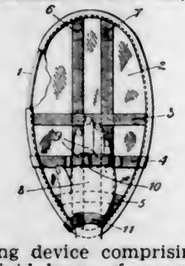
10. An assembly for use in the manufacture of compartment boxes comprising a plurality of oblong hollow drawer compartments, each comprising a continuous piece of cardboard infolded to form a base, integral end wall, integral top and integral freely pivotable opposite end wall arranged in a plurality of tiers in parallel formation with each drawer compartment having an open front and rear end, layers of corrugated board arranged horizontally between each tier and on top of the upper tier and below the bottom of the bottom tier and arranged vertically at the ends of each tier to build up an assembly of slightly greater size than the desired size of the completed box and means to bind said layers together around said compartments to compress them to substantially the desired size of the box.

2,078,067
COOLING SYSTEM FOR AUTOMOBILE ENGINES
August S. Duesenberg, Indianapolis, Ind., assignor to Cord Corporation, Chicago, Ill., a corporation of Delaware
Application February 27, 1935, Serial No. 8,448
14 Claims. (Cl. 180—54)



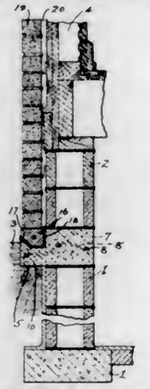
1. In combination with an automobile having a chassis with wheels and a water jacketed internal combustion engine at the front end thereof and a body on the chassis with a hood over the engine and a pair of fenders spaced outwardly from the sides of the hood and extending over the wheels, a cooling system for the engine comprising a pair of radiator sections connected to the water jacket and positioned on opposite sides of the engine and so that portions thereof are exteriorly positioned with respect to the hood and extend between the sides of the hood and said fenders.

2,078,068
SWIMMING DEVICE
Henry W. Eustis, Geneva, Switzerland
Application December 6, 1934, Serial No. 756,251
In Germany November 13, 1934
3 Claims. (Cl. 9—21)



1. A swimming device comprising a substantially planar rigid hoop of generally elliptical shape, a covering secured to said hoop, reinforcing bands for said covering secured to said hoop and extending lengthwise and crosswise thereof, straps for securing a body-propulsion member flatwise against one side of said covering, said straps being so placed as to hold the body-propulsion member at one end of the device and at a focus of said ellipse, said device being at least substantially twice as long as the body propulsion member to be secured thereto, whereby in swimming the stroke is lengthened and the tangential, oblique, propellerwise velocity thereof is increased with resultant increased propulsion effect.

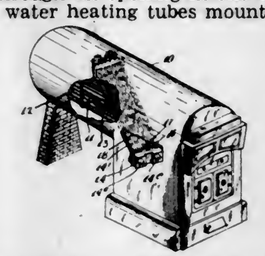
2,078,069
BUILDING VENEER CONSTRUCTION
Albert F. Eliel, Detroit, Mich.
Application August 17, 1935, Serial No. 36,645
10 Claims. (Cl. 72—0.5)



1. In a building wall having a foundation structure, an outside veneer supporting means comprising spaced blocks inserted in and supported by said structure in horizontal alignment, said blocks having portions projecting outwardly from said structure, and beam members supported upon and bridging the projecting portions of said blocks.

2,078,070
SUBMERGED WATER HEATING COIL
Victor Feldman, New York, N. Y.
Application June 26, 1935, Serial No. 28,405
3 Claims. (Cl. 122—32)

1. In combination, a boiler having a longitudinal water compartment through which fire tubes extend longitudinally, a water inlet and outlet member mounted obliquely upon and extended obliquely through an opening in one of said side walls, and water heating tubes mounted on said

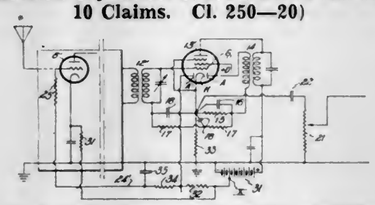


member and connected with said inlet and outlet and extending into said water space obliquely to said side wall and upwardly inclined with respect to the horizontal.

2,078,071
DETERGENT COMPOSITIONS
Augustus H. Fiske, Warren, R. I., assignor to Rumford Chemical Works, Rumford, R. I.
No Drawing. Application October 5, 1935, Serial No. 43,716
5 Claims. (Cl. 87—5)

1. A detergent composition containing a detergent having a cleansing action and an alkali metal salt of a thiotetraphosphoric acid.

2,078,072
RADIO RECEIVER
Christopher J. Franks, Denville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 9, 1933, Serial No. 688,846
10 Claims. Cl. 250—20)

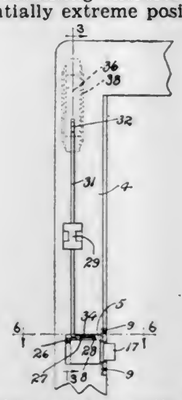


7. In a radio receiver, a radio amplifier including a plurality of cascaded stages, a rectifier working out of the last of said radio stages to develop both audio frequency and direct current voltages, means for impressing a desired fraction of said direct current voltage upon one of said stages as a gain control voltage, and means including a direct current amplifier for impressing upon another stage a gain control voltage derived from and of greater magnitude than the direct current voltage developed by said rectifier.

2,078,073
REFRIGERATOR DOOR LATCH
Carl W. Geske and Elmer J. Roossien, Grand Rapids, Mich., assignors to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application May 25, 1936, Serial No. 81,661
10 Claims. (Cl. 292—63)

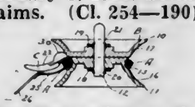
1. A latch construction comprising, a fixed support, a mounting for a latch bolt pivotally mounted on said support, a spring actuated latch bolt reciprocably carried by said mounting, said

latch bolt having an engaged part thereon whereby the mounting therefor is urged to one of its substantially extreme positions, means for



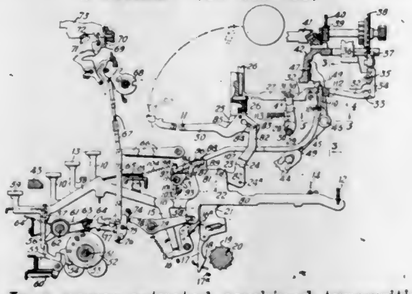
releasably locking said mounting against pivotal movement, and means for releasing said locking means to permit the pivotal movement of the mounting and the bolt carried thereby.

2,078,074
CLOTHESLINE PULLEY
Charles Haberstroh, New Rochelle, N. Y.
Application February 8, 1936, Serial No. 62,931
2 Claims. (Cl. 254—190)



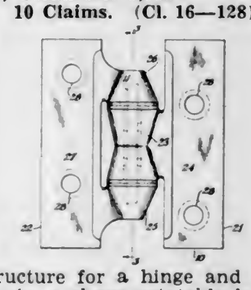
1. A pulley for supporting a clothespin line comprising an upper and lower part; a support for the pulley; each of said parts being adjacent and independently rotatable on said support, the lower part of the pulley provided with a groove for supporting the line and with an outwardly and downwardly curved face for engagement with the pins secured on the line to enable these pins to pass around the pulley without fouling any articles suspended in the pins; and the upper part of the pulley provided with an outwardly and upwardly curved face for restoring any of such pins to their normal position on the line if distorted from such normal position.

2,078,075
TYPEWRITING MACHINE
Frederick A. Hart, Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a corporation of New York
Application November 19, 1931, Serial No. 576,066
2 Claims. (Cl. 235—59)



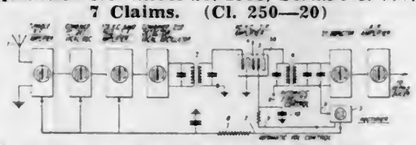
1. In a power actuated combined typewriting and computing machine, the combination of a carriage, escapement mechanism therefor, numeral printing type bars, computing mechanism, power actuated means for first actuating said computing mechanism and then operating the corresponding numeral printing type bar, a universal bar actuated by a part of said last mentioned power actuated means at the beginning of the operation of said numeral printing type bar.

2,078,076
HINGE OR JOINT
James F. Hines, Lakewood, Ohio, assignor to Russell J. Hines, Lakewood, Ohio
Original application July 10, 1934, Serial No. 734,489. Divided and this application February 25, 1935, Serial No. 8,033
10 Claims. (Cl. 16—128)



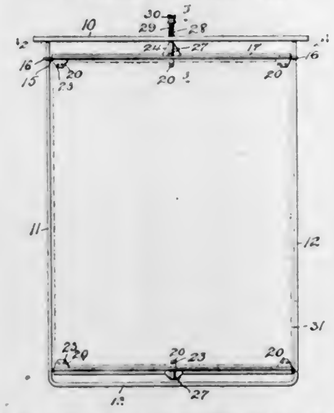
1. A structure for a hinge and the like, including a pin, a sleeve rotatably located on the pin, the pin being longer than the sleeve and having ends extending beyond the opposite ends of the sleeve, pairs of abutting washers provided with central apertures rotatably fitting on the pin, each pair being located at one end of the sleeve and one of the washers of each pair abutting the adjacent end of the sleeve, one piece leaves, one leaf engaging the sleeve and the washers abutting the ends thereof, and the other leaf engaging the outer ends of the pin and the other washers.

2,078,077
AUTOMATIC FIDELITY CONTROL
Louis C. Hollands, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 28, 1933, Serial No. 700,034
7 Claims. (Cl. 250—20)



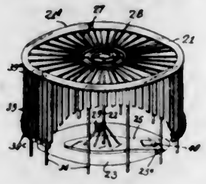
2. In combination, in a superheterodyne receiver, an intermediate frequency amplifier having a band pass characteristic, said amplifier being designed to pass a maximum band of 12 kilocycles at 90% of resonance value, a second detector and a following second intermediate frequency amplifier tuned to a frequency substantially less than the frequency of the first amplifier, said second amplifier means designed to have a band width of 4 kilocycles at 90% of resonance, a rectifier following said second amplifier, and a direct current connection between a cold electrode of said second amplifier and said rectifier for varying the plate impedance of said second amplifier in such a manner that the overall selectivity of the receiver is sharper when receiving weak signals than when receiving strong signals.

2,078,078
DRYING FRAME
Philip G. Hood, Newark, N. J.
Application September 20, 1935, Serial No. 41,396
2 Claims. (Cl. 95—100)



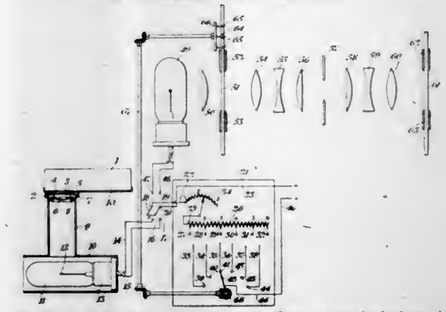
1. A drying frame comprising a rectangular frame having side bars in parallel relation, clamps at one end of the frame, said clamps being spaced to engage the corners and central part of one end of a sheet, a bar at the other end of the frame slidably arranged on the side bars, a post extending from said slidable bar through the end bar at said other end of the frame, an adjusting nut on the post, a spring between the end bar and the nut clamping devices on the slidable bar to engage the corners of the sheet, and a connection between the devices including finger pieces opposite said post whereby the clamps and post can be operated simultaneously.

2,078,079
WAR PROTECTING DEVICE
Souren Kazanjian, Woodside, N. Y.
Application May 8, 1936, Serial No. 78,579
4 Claims. (Cl. 89—36)



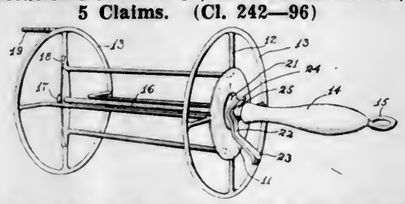
1. A war protecting device, comprising walls forming a chamber, a revolvable closure element in the top thereof and having a small entrance door, a substantially horizontal wheel for acting as a shield and superimposed on said closure, means for rotating said closure and wheel, a stationary member extending over one side of said closure and having a second door alignable with said entrance door, said entrance door being held closed by a lock having a bolt engaging a keeper adjacent the door, said bolt also engaging against a plate having an opening when aligned with the bolt to permit opening of the bolt, a resilient element urging said plate out of the aligned position, and a key element on said stationary member adapted in a certain predetermined position of said closure element to urge said plate into the aligned position.

2,078,080
APPARATUS FOR COPYING CINEMATOGRAPHIC FILMS
Isaac Kitroser, New York, N. Y., assignor to Keller-Dorian Colorfilm Corporation, New York, N. Y., a corporation of Delaware
Application May 10, 1933, Serial No. 670,253
4 Claims. (Cl. 88—24)



1. In combination, means for ascertaining the required light intensity in copying a cinematographic film and means for applying said light intensity thereto during the copying, comprising an electric lamp to which the copy film is exposed and a resistance controlling the light intensity of the lamp, said means comprising an electric lamp for testing the intensity of the light through the film to be copied, adapted to be connected to said resistance, said resistance comprising a sequence of variable resistance positions, a movable contact cooperating therewith and means to change the sequence in which said contacts are completed.

2,078,081
CLOTHESLINE REEL
Frank Kramer, Cleveland Heights, Ohio
Application December 31, 1934, Serial No. 759,850
5 Claims. (Cl. 242—96)

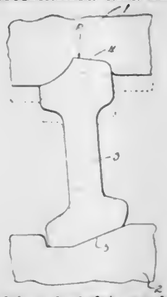


1. An apparatus of the character described having in combination a handle, a spindle secured adjacent one end of the handle, a reel engaged on said spindle, means for preventing substantial longitudinal movement between said reel and said spindle, said reel comprising combined body and spoke members, the spoke portions being at right angles to the body portions, and members in the form of plates superimposed upon the spoke portions of said combined body and spoke members and welded thereto thereby connecting a plurality of said spoke members adjacent each of the ends of said apparatus and providing bearings for said reel upon said spindle.

2,078,082
METHOD OF MANUFACTURING RAIL JOINT BARS
George Langford, Joliet, Ill.
Application July 3, 1936, Serial No. 88,914
12 Claims. (Cl. 80—65)

1. The method of converting rail joint bars of one fishing height into bars of lesser fishing

height while hot, consisting in subjecting said bars of one fishing height to pressure applied directly upon their top and bottom fishing surfaces so as to effect a predetermined and substantial reduc-



tion of their fishing height, and then subjecting said fishing surfaces indirectly to pressure so that they will conform accurately in height and angles to rails of lesser fishing than that of the original bars.

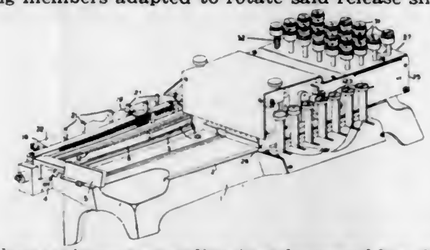
2,078,083
FOUNTAIN PEN BARREL
Gabriel Larsen, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y., a corporation of New York
Application April 5, 1935, Serial No. 14,778
2 Claims. (Cl. 120—42)



1. A fountain pen barrel formed of a plurality of layers of sheet material with the innermost layer translucent, said barrel having grooves formed therein and extending inwardly from the outer surface of the barrel through the layers outside of said innermost layer, but said innermost layer being continuous across the bottoms of the grooves to form translucent windows in the barrel.

2,078,084
CARD VERIFIER
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application November 1, 1935, Serial No. 47,752
12 Claims. (Cl. 73—51)

1. In combination, a set of key members, an escapement mechanism having a rack member, a plurality of escapement pawls and a release shaft, a set of sensing pins and mechanism cooperating therebetween comprising a bail for supporting said pins, spring pressed levers for depressing said pins, link and lever mechanisms respectively connected to the keys of said set for the actuation of said bail, said link and lever members comprising members adapted to rotate said release shaft



when a pin corresponding to a depressed key does not find a perforation, or when a pin not corresponding to a key does find a perforation.

2,078,085
AIR CONDITIONING CABINET
Gottfrid C. Lawson, Canton, Ohio
Application July 31, 1933, Serial No. 682,939
2 Claims. (Cl. 183—35)



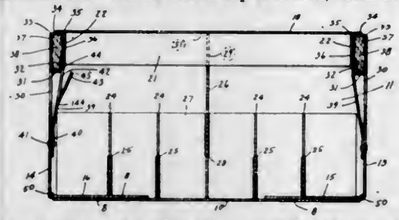
1. In a conditioning unit of the class described, including an air cleaning chamber, a fan and an air heating chamber, said cleaning chamber comprising a drum having a plurality of baffles therein separating the drum into a circuitous chamber, means in said chamber to accumulate foreign material being carried through the chamber by the air, said fan being connected to one end of said chamber and adapted to circulate air through the chamber and deliver said air to said heating chamber.

2,078,086
REFRACTORY AND PROCESS OF MAKING
Harley C. Lee, Columbus, Ohio, assignor to Basic Dolomite, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 31, 1933, Serial No. 696,120
4 Claims. (Cl. 106—9)

1. As a new article of manufacture, a refractory material consisting of crushed dolomite particles of substantial size coated with an adherent film of a clay binder and iron oxide.

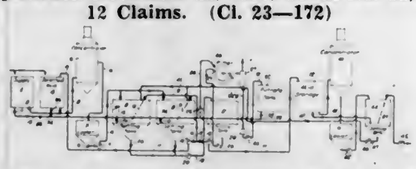
2,078,087
LIGHT SHIELDED HANDLED FIBERBOARD CASE
Willis B. Lincoln, Jr., Indianapolis, Ind., assignor to Inland Container Corporation, Indianapolis, Ind., a corporation
Application January 17, 1936, Serial No. 59,559
23 Claims. (Cl. 229—52)

1. In a paper board container from a single blank of single thickness board arranged in side and end wall formation with a bottom and a divided top integral with one opposite pair of walls, the combination of an extension on the adjacent free end of each top section, said exten-



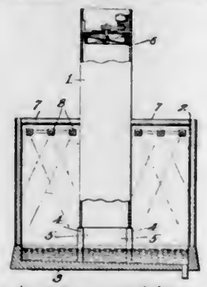
sions abutting and forming a self-locking cover, and an integral extension upon each of the other walls and operatively secured to the connecting wall in pocket formation, and a relatively rigid insert in each pocket stiffening the said other walls for the purpose described.

2,078,088
PROCESS OF RECOVERING SULPHURIC ACID FROM SULPHURIC ACID SOLUTIONS OF SULPHATES
Otto Mantius, Jackson Heights, N. Y., and Ernest Mantius, Englewood, N. J.; said Ernest Mantius assignor to said Mantius
Application November 22, 1935, Serial No. 51,004
12 Claims. (Cl. 23—172)



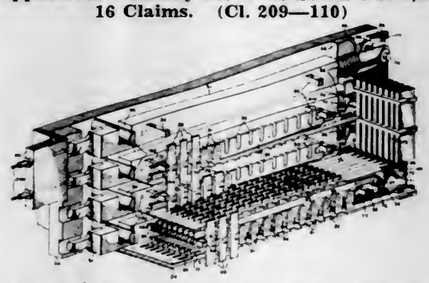
1. In the process of recovering sulphuric acid from a sulphuric acid solution of principally iron sulphates, the step which consists in boiling the solution in vacuo at a temperature not exceeding 200° F. and to a concentration of free acid of approximately 60% and for a sufficient period to precipitate out the bulk of the solids in solution, while maintaining such temperature, and with the iron sulphate in the form of crystals of ferrous sulphate monohydrate.

2,078,089
COOLING TOWER
Leon T. Mart, Johnson County, Kans.
Application September 18, 1935, Serial No. 41,049
5 Claims. (Cl. 261—109)



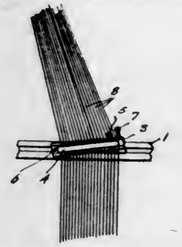
1. A cooling tower comprising a pair of upright casings of unequal height, said casings being open at their upper ends and having a connecting passage at their lower ends, water distributing apparatus adjacent the upper end of the shorter casing to deliver water in comminuted form for gravitating downwardly through said casing, and means for drawing in air at the top of the taller casing and discharging it downwardly through the casing and connecting passages into the shorter casing, such air flowing upwardly in counter-flow contact with the water in said shorter casing and being discharged through the open upper end of the shorter casing in parallelism to the taller casing.

2,078,090
PATTERN SORTING DEVICE
August H. Maschmeyer, Astoria, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application January 24, 1935, Serial No. 3,218
16 Claims. (Cl. 209—110)



1. In a device of the character described, a card sensing mechanism, cards having patterns thereon adapted to be sensed thereby, a plurality of plates adapted to be variably positioned according to the card being sensed, a plurality of pocket selecting sections through which said plates pass, members in the respective sections adapted to be set according to different card patterns, and card pocket mechanism operable when the card pattern being sensed coincides with the setting of the members in one of said sections.

2,078,091
COMBER GUARD FOR LOOMS
Floyd Matthews, Fair Lawn, N. J.
Application August 27, 1935, Serial No. 38,096
2 Claims. (Cl. 139—86)



1. In a loom, a comber board, a pair of comber board rails with grooves therein, a pair of guides slidable in said rail grooves, pivotal supporting means extending between said guides and supported thereon, a pair of brackets pivoted on said supporting means, each bracket being adjacent its respective guide, fasteners carried by said brackets for engaging the end portions of said comber board for retaining and supporting the latter so that the same extends between said brackets, and screws threaded through said brackets and engaging said guides for angularly adjusting said brackets about their pivotal supports.

2,078,092
PRODUCTION OF SODIUM HYDROXIDE FROM SODIUM SESQUI-CARBONATE
Robert B. MacMullin and George Lewis Cunningham, Niagara Falls, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application July 6, 1932, Serial No. 621,056
6 Claims. (Cl. 23—185)

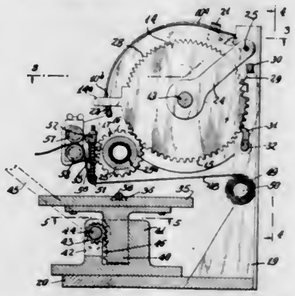
1. In the production of sodium hydroxide from sodium sesquicarbonate, the improvement comprising decarbonating the sodium sesquicarbonate by subjecting it to the action of an amount of water limited to effect the precipitation of sodium bicarbonate, separating the precipitated sodium bicarbonate, and causticizing the remaining liquor with lime.

2,078,093
APPARATUS FOR MAKING FOOTWEAR
John M. Miller and Arnold R. Davis, Hudson, Mass., assignors, by mesne assignments, to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Original application December 10, 1932, Serial No. 646,636. Divided and this application February 21, 1935, Serial No. 7,548
1 Claim. (Cl. 18—41)



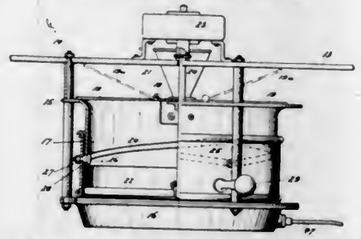
A dipping form for light weight rubber gaiter and galosh uppers comprising an elongated conoidal form provided on its side wall surface with a negative of a desired footwear upper design, and having its base surface inclined to the axis of the form at an angle such that its side wall surface has in plan substantially the area and shape of the desired footwear upper.

2,078,094
STAMPING MACHINE
Henry Oelbaum, Cranston, R. I., assignor to Hassenfeld Bros. Inc., a corporation of Rhode Island
Application February 25, 1936, Serial No. 65,569
2 Claims. (Cl. 101—96)



1. In a stamping machine, a base, a pair of spaced vertical angle irons mounted on said base, a horizontal hollow casing mounted on said angle irons and having a plurality of spaced parallel slots extending downwards from the top side to the front side, a shaft through the center of said casing, a support rod fixedly mounted between the said angle irons, a plurality of control discs with peripheral teeth rotative on said shaft and having fingers projecting laterally and transversely and engaging through said slots by which the discs may be adjusted, a plurality of spacers mounted between the said control discs and fixedly supported by the said shaft and said support rod and adapted to keep said control discs in spaced relation, and a plurality of printing discs with peripheral teeth engaging said teeth and having letters or symbols on the ends of said teeth and rotatively mounted on said casing.

2,078,095
POPCORN MACHINE
John Parcell, New York, N. Y.
Application October 27, 1934, Serial No. 750,336
5 Claims. (Cl. 53—4)



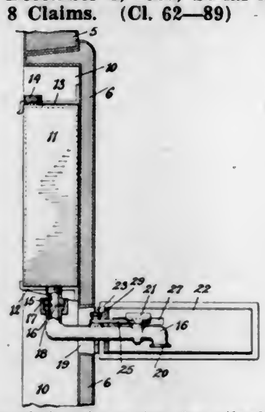
1. In a pop-corn machine, a bell-shaped toasting box, a heater spacedly arranged relatively to said box, and a sleeve slidable on said box onto and away from said heater.

2,078,096
VANITY CASE
Winfred T. Parkin, Providence, R. I., assignor to Theodore W. Foster & Bro. Company, Providence, R. I., a corporation of Maine
Application March 28, 1936, Serial No. 71,465
6 Claims. (Cl. 220—55)



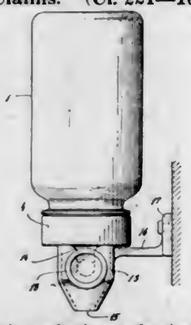
1. An article of the class described comprising a casing, an outer cover for said casing, a powder tray disposed within said casing, an inner cover for said tray, and releasable means for locking the inner and outer covers in closed position, said means comprising a spring-pressed catch for holding said outer cover in closed position, a spring-pressed catch for holding said inner cover in closed position, a depressible finger piece carried by the first catch, and a cam member secured to said finger piece and operative in response to depression of said finger piece to effect the release of the second catch subsequent to the releasing of the first catch.

2,078,097
WATER COOLING MEANS FOR REFRIGERATORS
Harry Radzinsky, New York, N. Y.
Application December 3, 1935, Serial No. 52,633
8 Claims. (Cl. 62—89)



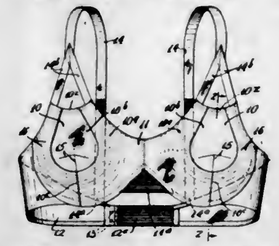
1. A device of the character described comprising, a refrigerator having a door, a source of drinking water supply located within the refrigerator, a pivoted faucet carried by the door and normally maintained within the confines of the same connected to said source of water supply, the door having an opening leading outside of the refrigerator, means for swinging the faucet to cause its delivery end to be positioned either inside or outside of the opening, and a pivoted door normally closing the opening and controlling the swinging of the faucet by its movement.

2,078,098
DISPENSER FOR GROUND COFFEE, ETC.
Horace L. Roberts, Mount Vernon, N. Y.
Application October 25, 1935, Serial No. 46,711
2 Claims. (Cl. 221—106)



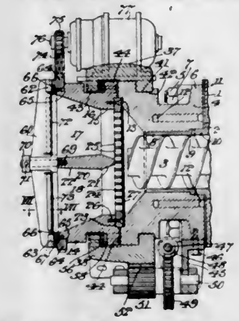
1. A measuring device adapted to close the outlet opening of and to support a separable container for ground coffee, comprising, a casing provided with detachable means for holding the same across the outlet opening of said container, said casing being provided with a transverse partition having a slot therein and below which is a cylindrical opening having its axis substantially parallel with said slot, there being a delivery passage in said casing at the bottom thereof, a hollow rotatable cylinder in said cylindrical opening and provided with a longitudinal slot communicating with the interior thereof, means for rotating said cylinder, and a socket member for receiving the lower part of said casing and adapted to hold the device in a fixed position.

2,078,099
BRASSIÈRE
Delma Rotelli and Herman B. Saxe, Brooklyn, N. Y.
Application March 11, 1936, Serial No. 68,174
3 Claims. (Cl. 2—42)



1. In a brassière and the like, a pair of bust cups, each comprising an outer substantially horse-shoe shaped section of relatively stiff material, and an inner section of soft and flexible material completely filling in the space between the arms of the said horse-shoe shaped sections, each of said outer sections being comprised of two pieces joined at the bend of the horse shoe by a transverse line of stitching to cause the bend of the horse shoe to extend forwardly and to form substantial support for the breast, the upper edges of said horse-shoe shaped section and said soft and flexible material being concaved to allow said bust cups to lie flat against the top of the bust, a shoulder strap for each bust cup connected at its rear end to the body portion of said brassière and including at its front end a pair of diverging sections continuing from each shoulder strap and connected to the top edge portion of said horse-shoe shaped material at the ends of said concaved edges.

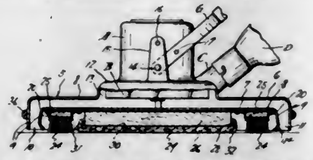
2,078,100
EXTRUDING MACHINE
Vernon E. Royle, Paterson, N. J.
Application June 25, 1935, Serial No. 28,229
7 Claims. (Cl. 146—174)



2. In a machine for extruding plastic material in a straight line, the combination of a head housing a stock screw, said head being provided with an annular groove adjacent its outer end, a member hinged to swing into and out of engagement with said head, said member being provided with exterior radial projections on its inner end, an annular device rotatable in said groove in the head and provided with interior radial projections on its outer end arranged to engage said exterior projections on the swinging member, and means for actuating said annular device for moving said interior projections into and out

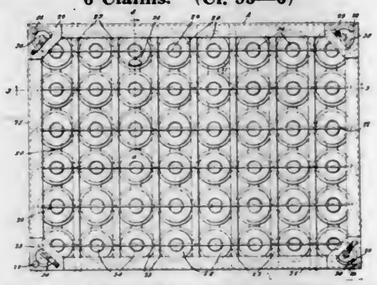
of engagement with the exterior projections for locking and unlocking the swinging member to the head.

2,078,101
VACUUM FLOOR CLEANER
Lydia M. Schmermund, St. Louis, Mo.
Application October 21, 1936, Serial No. 106,823
3 Claims. (Cl. 15—10)



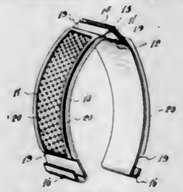
1. In a device of the kind described, a housing having an air chamber and parallel inlet slots at opposite ends, a suction fan and motor mounted on the housing, brushes mounted on the housing parallel to and inward of the said inlet slots, and a polishing pad mounted on the housing between the said brushes.

2,078,102
ROLL OR BUN BAKING PAN
Leo F. Siela, Bluffton, Ind.
Application November 4, 1936, Serial No. 109,150
6 Claims. (Cl. 53—6)



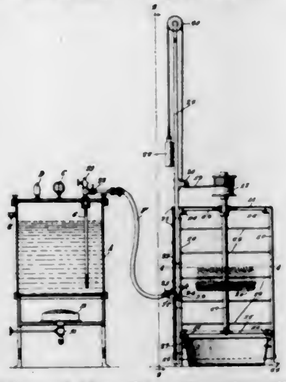
1. A pan of the character described comprising a body unit, a removable top unit, a plurality of roll forming outer molds nested within the body unit and open at their tops, covers carried by the top unit for closing the open tops of said outer molds, and inner cavity forming molds depending from the covers for protection centrally within the said outer molds when the covers are closing the open tops of the said outer molds.

2,078,103
REFLECTING SIGNAL DEVICE
Dorothy Loraine Simmons, Silver City, N. Mex.
Application January 2, 1936, Serial No. 57,287
3 Claims. (Cl. 88—80)



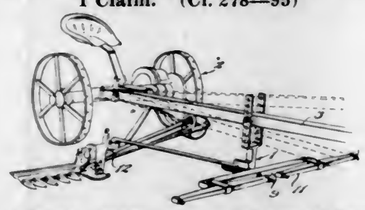
1. A traffic signal of the class described, comprising arcuate elongated sections, spring hinge means connecting the sections end to end and urging their free ends towards one another, an arcuate mounting receptacle secured on the convex surface of each of said sections, and an arcuate reflector element secured in each receptacle, the curvature of said receptacles and reflector elements corresponding to the curvature of the sections.

2,078,104
CLEANING AND STERILIZING DEVICE
Otis O. Stanley, Decatur, Ill.
Application July 22, 1936, Serial No. 91,960
3 Claims. (Cl. 141—9)



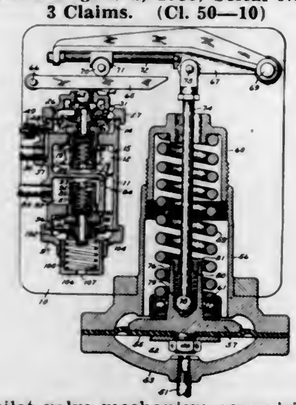
1. A device of the character described comprising a vertical frame including opposed uprights, hoops fixed to said uprights at intervals throughout the vertical extent thereof, a vertical shaft journaled centrally in the frame, trays carried by said shaft, a spray element fitted to the frame and extended within the same for delivering fluid to articles upon said trays, a canopy covering for said frame, means for delivering fluid under pressure to said spray element, a windlass on the upper end of the shaft, a staff rising from the frame, a cable for winding and unwinding on and from the windlass, means on the staff for guiding said cable, and a weight suspended by said cable.

2,078,105
ADJUSTABLE HITCH
Herman Stemman, Stevensville, Mont.
Application August 6, 1935, Serial No. 34,987
1 Claim. (Cl. 278—95)



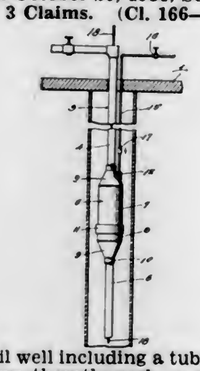
In a horse drawn mower having a forwardly extending tongue and a forwardly extending rod connected at one end to the sickle mechanism, means for adjusting the angular relation of said rod relative to said tongue, comprising a U-shaped member having the parallel legs thereof disposed on opposite sides of said tongue, the parallel legs of said member being provided with a plurality of alined openings, a bolt extending through selected pairs of said openings and said tongue, a head integral with and extending downwardly of the bight of said member and provided with an opening adjacent the lower end thereof to receive a double tree attaching means, and a rearwardly extending arm integral with said head and disposed between said member and the opening in said head, said arm having an opening to pivotally receive the forward end of said rod.

2,078,106
VALVE MECHANISM
Paul C. Temple, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware
Application August 2, 1933, Serial No. 683,365
3 Claims. (Cl. 50—10)



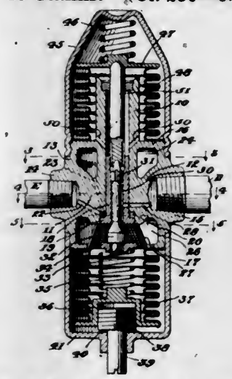
1. A pilot valve mechanism comprising a casing shaped to provide an inlet chamber, an intermediate chamber and an outlet chamber, a valve to control the flow of fluid from the inlet chamber to the intermediate chamber, means including a flexible diaphragm subjected to the fluid pressure in the intermediate chamber and connected to the valve to actuate the same and maintain a substantially constant pressure in the intermediate chamber, a second valve to control the flow of fluid from the intermediate chamber to the outlet chamber, a second flexible diaphragm subjected to the fluid pressure in the outlet chamber and connected to the second valve to actuate the same, a control device automatically movable in accordance with a condition to be controlled, and a mechanical connection between the control device and the second diaphragm to provide a variable loading for the second diaphragm.

2,078,107
PARAFFIN REMOVER FOR OIL WELLS
Karl C. Ten Brink, Wichita Falls, Tex.
Application October 20, 1936, Serial No. 106,699
3 Claims. (Cl. 166—17)



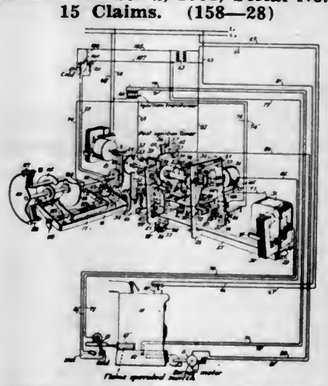
1. In an oil well including a tubing and a sucker rod extending therethrough, a cylinder coupled in the line of tubing, the sucker rod extending through the cylinder to the mechanism in the lower end of the tubing, and a valved pipe line leading into said cylinder whereby a fluid may be introduced thereinto to flow upwardly through the tubing, said valve opening only toward the cylinder.

2,078,108
AUTOMATIC CONTROL VALVE
Lucien L. Torrey, Los Angeles, Calif.
Application December 16, 1933, Serial No. 702,820
18 Claims. (Cl. 236—92)



1. An expansion valve for controlling the flow of refrigerant liquid in a refrigerating apparatus, including a body having a passage with an enlargement at one end, liquid inlet and outlet connections communicating with said passage at axially spaced points thereof, a valve stem movable in said passage and having a valve head for closing the passage between the inlet and outlet connections and projecting beyond the body at its free end, a bellows located externally of the body around the projecting end of said stem, the interior of the bellows being in communication with the passage between the valve head and the outlet connection, means for securing and sealing the bellows to the body, a spring for moving said valve head toward closed position, said bellows operating to move the valve head toward open position, a second bellows sealed to the body for closing the enlarged end of the passage and surrounding said spring, and positive adjusting means for moving said second bellows to regulate said spring.

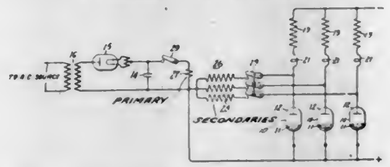
2,078,109
TIMING CONTROL FOR OIL BURNERS AND THE LIKE
George R. Townsend, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 2, 1931, Serial No. 572,526
15 Claims. (158—28)



1. A timing-control device having a timed driving element, a control means, means for

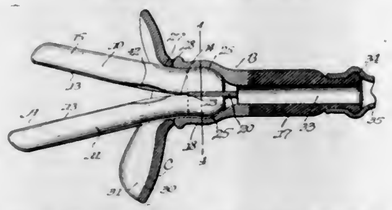
bringing said control means into and out of operating relationship with said timed driving element, means responsive to predetermined conditions for controlling said last means to bring said control means out of operating relationship with said timed driving element, a second control means, and means rendered effective when said first control means is brought out of operating relationship with said timed driving element for bringing said second control means into operating relationship with said timed driving element.

2,078,110
IGNITING SYSTEM
Richard Tröger, Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company, a corporation of New York
Application March 7, 1934, Serial No. 714,517
In Germany March 31, 1933
2 Claims. (Cl. 175—363)



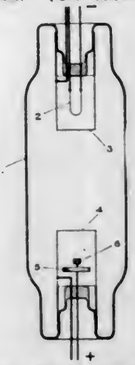
2. The combination with an igniting system for a current translating apparatus comprising a plurality of arc discharge devices, of a source of igniting current, a capacitance means directly connected to said source to receive continually a charging current therefrom, a transformer having a primary winding and having a plurality of secondary windings insulated from each other, switch means adapted periodically to connect said capacitance means to said primary to discharge said capacitance means therethrough, and switch means adapted to conduct igniting current from each of said secondary windings sequentially directly to a different one of said arc discharge devices, said secondary windings each being connected to the corresponding main arc discharge device simultaneously with the connection of said capacitance means to said primary winding.

2,078,111
MEDICATOR
James T. Weeks, Biloxi, Miss.
Application May 9, 1934, Serial No. 724,787
7 Claims. (Cl. 128—251)



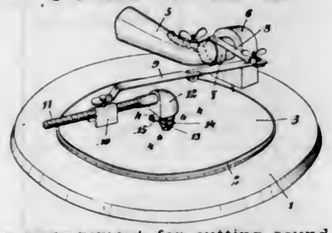
7. In a dilator for a cavity of the body, a plurality of dilating arms, having confronting surfaces and with inner and distal ends, said arms being normally expanded, and a guide plate surrounding and slidably mounted on said arms, said arms being expanded when the guide plate is at or near the inner ends of the arms, said plate being adapted to contract said arms when said arms are slid through said plate.

2,078,112
VACUUM RELAY
Valentin Wologdin, Leningrad, Union of Socialist Soviet Republics
Application October 10, 1935, Serial No. 44,470.
In Union of Socialist Soviet Republics April 20, 1934
1 Claim. (Cl. 250—27.5)



A vacuum electric discharge tube comprising a cathode for producing electronic emission, a grid which controls said electronic emission, and an anode which emits positrons and a grid for the control of positrons, whereby the space charges created by the negative electrons are partially or wholly compensated by positrons emitted from the anode.

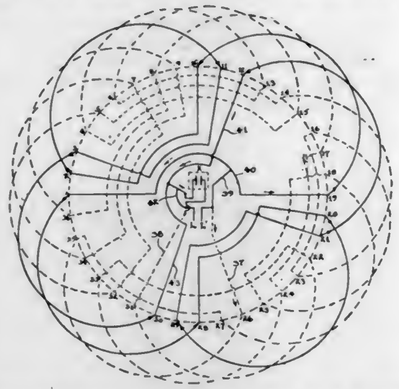
2,078,113
SOUND RECORDING APPARATUS
Otto Zecha, Vienna, Austria
Application October 25, 1935, Serial No. 46,758.
In Austria February 14, 1935
4 Claims. (Cl. 274—13)



1. An arrangement for cutting sound records by the employment of an ordinary talking machine with turntable, comprising in combination a bearing, means on said bearing for securing it to the centre pin of the turntable of the talking machine, a screw-threaded guide spindle supported in said bearing with one of its ends only, a nut riding on said guide spindle, connecting means pivoted to said nut, an intermediate member adjustably secured to said connecting means, and means on said intermediate member for its removable attachment to the supporting arm of the sound box of a talking machine.

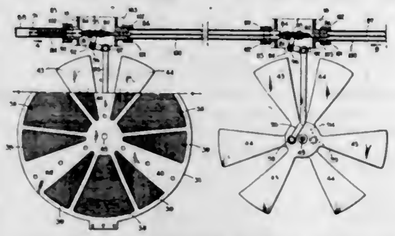
2,078,114
CONSTRUCTION OF ELECTRIC SINGLE-PHASE MOTORS
Carlo Zorzi, New York, N. Y.
Application November 30, 1932, Serial No. 645,031.
In Italy November 30, 1931
2 Claims. (Cl. 172—233)

1. In an induction motor, a stator core having a plurality of slots formed therein, a main inductive winding comprised of comparatively few turns of wire disposed in a plurality of groups of said slots, an auxiliary capacitive winding comprised of a large number of turns of wire dis-



posed in the remainder of said slots, and a capacitor associated with said last winding, said groups of slots containing substantially less slots than the number of slots containing the auxiliary winding.

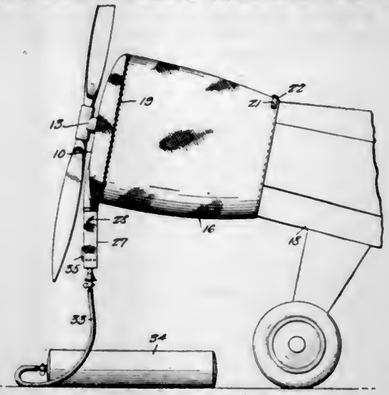
2,078,115
DISPLAY APPARATUS
Henry Armstrong, Montreal, Quebec, Canada, assignor to Vibra-Lite Limited, Montreal, Quebec, Canada, a corporation
Application February 7, 1935, Serial No. 5,465
15 Claims. (Cl. 40—130)



1. In display apparatus of the character described, the combination with a display surface of a plurality of illuminating units arranged to flood the said display surface with light, each of which illuminating units includes a light source, a colour filter, and an oscillatable shutter to control transmission of light from said light source to the said display surface; and means for simultaneously oscillating the shutters of the said plurality of illuminating units.

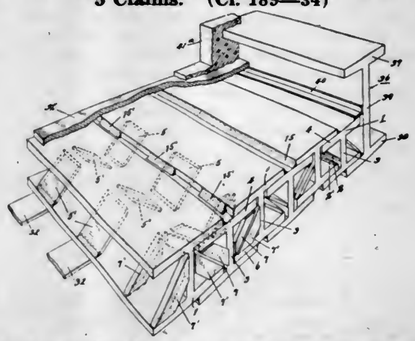
2,078,116
AIRCRAFT ENGINE HEATER
Edwin James Arndt, Irvington, N. J.
Application May 4, 1936, Serial No. 77,876
1 Claim. (Cl. 126—93)

An aircraft engine heater comprising a removable fabric envelope constructed to enclose an aircraft engine, said envelope having an opening in the lower front portion thereof, an apertured plate secured in said opening, distributing pipes extending from the apertures of the plate to various points within and adjacent the front portion of the envelope, said pipes being fastened to the front wall of the envelope, a burner housing suspended from said



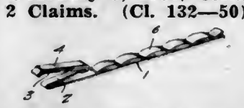
plate, and a burner within the housing for delivery of heated gases to said pipes.

2,078,117
WALL OR FLOOR STRUCTURE AND BEAMS THEREFOR
Frederick Auryansen, Forest Hills, N. Y.
Application January 7, 1933, Serial No. 650,710
5 Claims. (Cl. 189—34)



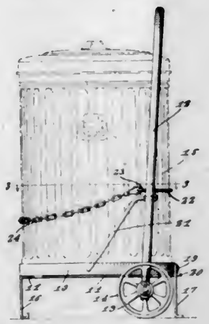
4. A metallic floor structure comprising a plurality of rolled, undistorted I-beams arranged with their flanges overlapping and forming two continuous and parallel surfaces, and means between said surfaces bracing the webs and flanges of said I-beams.

2,078,118
HAIRPIN
Harry L. Becker, Council Grove, Kans.
Application February 5, 1936, Serial No. 62,538
2 Claims. (Cl. 132—50)



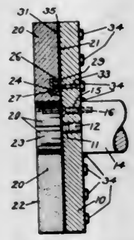
1. A hair pin comprising a pair of clamping arms, and a V-shaped spring disposed between said arms and normally urging said arms towards each other, one of said arms being movable and having a portion thereof engaging the apex of said V-shaped spring, whereby when the legs of the V-shaped spring are pressed together the movable arm rocks on the apex of the V-shaped spring.

2,078,119
MOBILE GARBAGE AND ASHCAN STAND
Rome R. Benedict, Chattanooga, Tenn.
Application December 17, 1936, Serial No. 116,401
2 Claims. (Cl. 280—53)



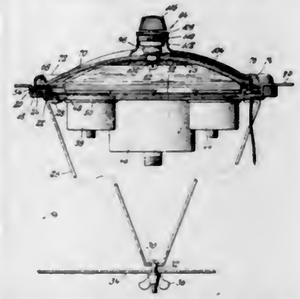
1. A garbage and ash can stand comprising a ring support having transverse slats for supporting the bottom of a can, an inverted U-shaped handle secured to the support and having the lower ends projecting below the support, an axle journaled in said ends and projecting outside of the ends, ground wheels on the axle elevating the support above the ground, a front leg extending downwardly from the support, a rear leg pivotally mounted on the support between the sides of the inverted U-shaped handle and swingable into released position to permit the stand being rocked upon the ground wheels as a fulcrum to tip the can rearwardly for transportation, an arched brace connecting the sides of the handle and supporting the rear side of the can when the stand is tipped, and a flexible chain carried by said brace and adapted to conform to the contour of all sizes of cans and strap the can securely to said brace.

2,078,120
GRINDING DISK
Hugo W. H. Beth, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 27, 1933, Serial No. 662,857
4 Claims. (Cl. 51—209)



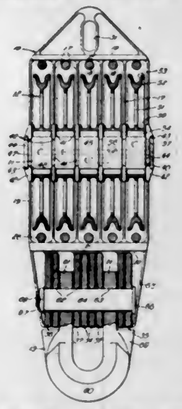
1. A grinding disk comprising a plurality of bonded abrasive sectors spaced apart by open grooves and arranged to provide an extensive flat grinding surface which is free to expand under heat of grinding, an anchoring device embedded within the lower portion of each sector and having a portion projecting therefrom, a rotatable disk shaped support engageable only with the anchoring devices, and separate clamping members removably and rigidly fastening the anchoring devices to the support at various predetermined positions and serving as the sole means to position the segments relative to each other and in predetermined spaced relation to the support.

2,078,121
INSTRUMENT PANEL ASSEMBLY
Watkins A. Broyles, Eagleville, Mo.
Application January 7, 1936, Serial No. 57,986
5 Claims. (Cl. 240—8.16)



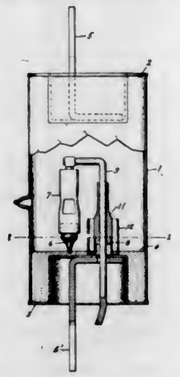
1. An instrument mount for motor vehicles, comprising a support for a plurality of register instruments, a dial plate extending across said instruments, a sight glass extending across the dial plate in spaced relation therewith, means for connecting the glass, the dial plate, and said support into a unitary whole, an electric light carried by said glass for illuminating the dial plate, a shield arranged in operative relation with the electric light for rendering the same invisible, and a rheostat switch associated with the electric light, said means comprising a part of the circuit for the rheostat switch.

2,078,122
TRAVELING BLOCK
Erwin Burns, Los Angeles, and Harry P. Wickersham, Huntington Park, Calif.
Application August 7, 1935, Serial No. 35,106
12 Claims. (Cl. 254—192)



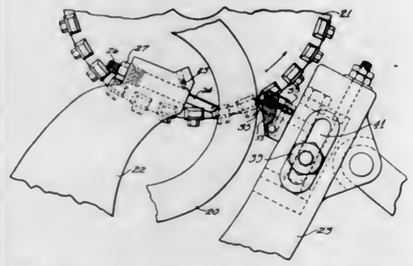
1. A sheave block including, two unitary body sections each having spaced internal spacers, there being notches in the edges of the spacers, means connecting the sections so that their spacers are aligned to form compartments and said notches are in registration to form openings, a shaft carried in the openings, and sheaves in the compartments rotatably carried by the shaft.

2,078,123
ELECTRIC DISCHARGE DEVICE
John M. Cage, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 6, 1935, Serial No. 34,919
3 Claims. (Cl. 250—27.5)



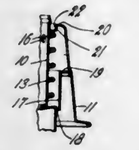
1. In an electric discharge device, an evacuated envelope enclosing an anode, an apertured metal header forming a portion of the wall of said envelope, a pool-type cathode comprising a quantity of mercury covering at least a portion of the surface of said header, a thimble of a metal suitable for sealing to glass surrounding an aperture in said header and comprising a portion extending upwardly through the surface of the mercury, said metal being subject to deterioration when exposed to an arc discharge, an electrode lead-in conductor suported axially of said thimble and insulated therefrom by a sealing body having the characteristics of glass, and a sleeve surrounding said thimble, said sleeve being of metal of the group consisting of tungsten and molybdenum.

2,078,124
MECHANISM FOR REMOVING BURRS FROM GEARS
Robert S. Condon, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application May 15, 1934, Serial No. 725,719
21 Claims. (Cl. 90—1)



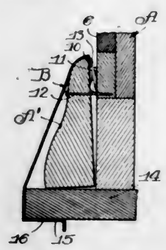
1. The combination in a gear-cutting machine with means for cutting the tooth spaces, of means operable, in timed relation with the cutting means and after each tooth space is cut, to chamfer a side of the tooth space and remove the burr formed at the bottom of the tooth space at one end of the gear.

2,078,125
TUBULAR LANTERN
Robert A. Currie, Syracuse, N. Y., assignor to R. E. Dietz Company, New York, N. Y.
Application February 18, 1935, Serial No. 7,030
1 Claim. (Cl. 240—29)



In a tubular lantern, the combination of a chimney, an air chamber surrounding the chimney, and an air tube connecting with said air chamber between its upper and lower ends, said air chamber having an air inlet at its lower portion below its connection with said air tube, and an annular top wall provided with a downwardly flanged inner edge fitting the chimney, said flanged inner edge being bent or corrugated to form air openings at the inner edge of the upper end of the air chamber.

2,078,126
PROTECTIVE APRON FOR POSTER STRUCTURE
Alden J. Cusick, Mount Vernon, N. Y., assignor to General Outdoor Advertising Co., Chicago, Ill., a corporation of New Jersey
Application June 20, 1936, Serial No. 86,430
5 Claims. (Cl. 91—65)

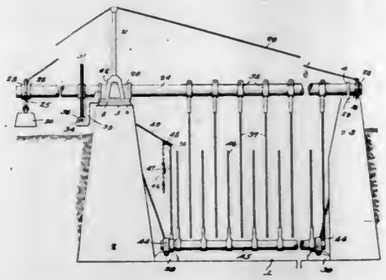


1. In combination: a poster structure comprising a bill-board provided at its lower edge portion with a forwardly extending molding, the upper margin of which is spaced from said bill-board to provide a clearance; and a water-proof protective apron adapted to enclose the top and front face of said molding, said apron having downwardly extending means near its upper margin to extend into said clearance space for detachably securing the said apron to the molding during a pasting operation.

2,078,127
WEED AND DRIFT REMOVER
Charles E. Dalton, Fowler, Colo.
Application July 15, 1936, Serial No. 90,797
3 Claims. (Cl. 210—172)

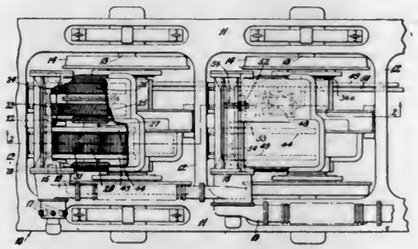
1. A device for clearing a waterway of floating material, comprising a substantially horizontal shaft having depending collectors, means for mounting the shaft for rotation about a substantially horizontal axis, means for rotating the shaft about a substantially horizontal axis, to raise the collectors, and means for mounting the shaft for swinging movement in a substantially

horizontal plane, to carry the raised collectors laterally, the means for rotating the shaft then



being effected to rotate the shaft and cause the collectors to dump the material carried thereby.

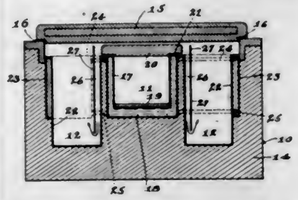
2,078,128
LOCOMOTIVE DRIVE AND REVERSING MECHANISM
John H. Doran, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 6, 1935, Serial No. 30,084
1 Claim. (Cl. 74—355)



A gearing unit including a drive gear, a driven gear, forward and reversing gear means for driving the driven gear from the drive gear in either direction of rotation, supporting means including plates with anti-friction bearings on opposite sides of the drive gear for swingably mounting about the center of the drive gear the forward and reversing gear means, and means for turning the supporting means to effect torque transmission through the forward gear means and simultaneously to render inoperative the torque transmission by the reversing gear means and vice versa, the last named means comprising a pin rotatably mounted in bearings in said plates, a crank arm having one end secured to the pin and a pinion fastened to the other end of the crank arm, and stops to fix the end positions of the plates.

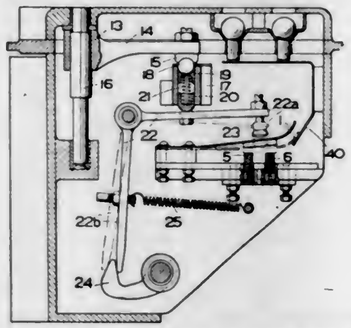
2,078,129
REFRIGERATING APPARATUS
Ernest du Bois, Itterbeek, Belgium, assignor to International Carbonic Engineering Company, Kennett Square, Pa., a corporation of Delaware
Application March 16, 1931, Serial No. 523,159
In Belgium April 1, 1930
12 Claims. (Cl. 62—91.5)

8. In the art of refrigerating by the utilization of a solidified gas refrigerant, the steps of; cooling a low freezing point liquid by placing a solidified gas refrigerant in heat exchange relation therewith; circulating the cooled liquid in heat exchanging relation with a space to be refrigerated that is thermally insulated from the re-



frigerant; and circulating the cold gases evolved by the evaporation of the solidified gas refrigerant in heat exchange relation with the space to be refrigerated.

2,078,130
CHANGE SPEED CONTROL MECHANISM FOR AUTOMOBILES AND THE LIKE
Charles Kearns Edwards, Wolverhampton, England, assignor to Guy Motors Limited, Wolverhampton, England, a British company
Application September 26, 1936, Serial No. 102,764
In Great Britain August 19, 1935
8 Claims. (Cl. 74—262)



1. Control mechanism for change speed gears of the class described comprising a plurality of electro-magnetic clutches for controlling the changes of speed, a source of electric energy for energizing the exciting coils of said magnets, a series of switches for controlling the circuits of said exciting coils, a lever having a plurality of positions for pre-selecting any one of said switches and means under the control of the operator whereby any one of said switches which has been pre-selected is prevented from closing its circuits and the acting switch from opening its circuits while the gear is in effective operation.

2,078,131
SHOE CONSTRUCTION
George Ferguson, Wollaston, Mass.; Harold F. Tracy and G. Barnum Redding administrators of said George Ferguson, deceased
Application March 27, 1933, Serial No. 662,924
6 Claims. (Cl. 154—2)



1. A process, useful in the manufacturing of shoes and in like arts, for the reinforcing of sheet material, comprising the making of a solution,

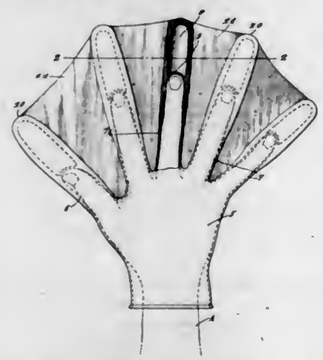
in an organic solvent, of a polymerized resin-like product which is in the class which includes polymerized styrol (phenyl ethylene) and polymerized vinyl derivatives and esters (ethylene monochloride or vinyl chloride, vinyl bromide, vinyl acetate, vinyl chloracetate, and the like), which product is hard when dry at ordinary temperature; the applying of this solution to the surface of a sheet of wood pulp, with impregnating effect; the laying of the impregnated sheet over the sheet of material which is to be reinforced, with an organic solvent between and to an extent penetrating both sheets, for making adhesive contact between them; moulding the two sheets together, under pressure, and eliminating the solvent.

2,078,132
SEAL FOR RECEPTACLES
Alan R. Fergusson, New Rochelle, N. Y., assignor to Crown Cork & Seal Company, Inc.
Application June 3, 1935, Serial No. 24,649
14 Claims. (Cl. 215—38)



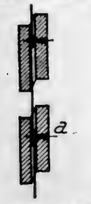
1. In a seal for receptacle closure caps, a composite pad comprising a paper disk and a disk of cushioning material having a diameter greater than the paper disk and the peripheral portion thereof encompassing material the periphery of the paper disk and yieldingly retaining the disks assembled, and said paper disk having on the exposed surface thereof a facing of material impervious to moisture and gas and acid resisting.

2,078,133
SWIMMING GLOVE
Wendell Friedrich, Philadelphia, Pa.
Application June 23, 1936, Serial No. 86,861
1 Claim. (Cl. 9—21)



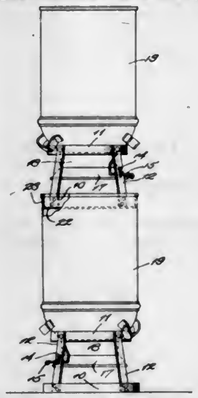
A swimming glove comprising an unbroken hand accommodating body, elongated thumb and finger stalls formed with the body and having intermediate interior partitions separating the same into inner thumb and finger receiving sockets and outer closed air cells, respectively, and flexible webs between and joined with the said stalls throughout the length thereof for completely closing spaces between these stalls when considerably spread apart with respect to each other, the stalls being formed with walls gradually thickening from the inner ends thereof to the outer ends of the same.

2,078,134
ROLL-UP SHUTTER
Joaquín Flamarique Goñi, Madrid, Spain
Application February 1, 1934, Serial No. 709,386
In Spain February 14, 1933
2 Claims. (Cl. 20—61)



1. A shutter slat composed of a body of cork and a reinforcing element therefor in interfitted relation therewith, the cork presenting an exposed surface at the outer side of the slat.

2,078,135
CREAM CAN RACK AND STRAINER SUPPORT
Hezekiah J. Griffiths, Fairfield, Iowa
Application February 21, 1936, Serial No. 65,133
1 Claim. (Cl. 220—97)

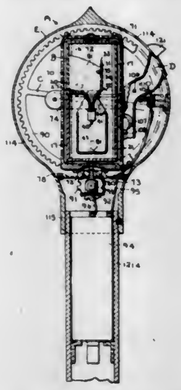


A cream rack and strainer support comprising superposed rings, bars connecting the rings together in coaxial relation, one of the rings being of smaller diameter than the other ring, a pair of the bars at diametrically opposite points of the rings being slotted, and springs secured to the bars below the slots and having the free ends deformed and extending through the slots, said springs being adapted to normally engage underneath the flared mouth of a cream can and prevent dislodgment of the support from the can, said support being adapted to secure a strainer in the mouth of the can in one position and when the can is inverted being adapted to form a rack upon which the can may drain and aerate.

2,078,136
TIMING AND SIGNALING APPARATUS
Percy E. Gumm, Oklahoma City, Okla.
Application July 31, 1936, Serial No. 93,698
14 Claims. (Cl. 161—15)

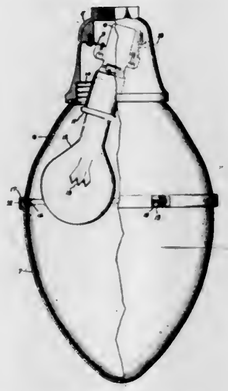
4. In a time-controlling mechanism adapted to be operated by granular material, such as sand, an elongated housing including top and bottom walls, upper and lower chambers, and provided with a bin having a mouth opening towards said top wall and into said upper chamber, said bin

having a depression in its bottom wall and a granular material flow opening through said wall at said depression communicating between said bin and said lower chamber, said opening being of a size whereby said granular material will flow



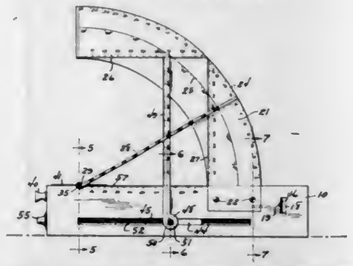
therethrough in a fine stream, said housing having a by-pass extending from one of said chambers to the other, and time-indicating means carried by said housing and operated by said granular material flowing through said opening.

2,078,137
LIGHTING UNIT
Cromwell A. B. Halvorson, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application March 20, 1936, Serial No. 69,800
1 Claim. (Cl. 240—25)



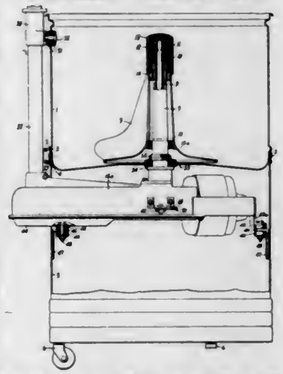
In a street-lighting unit, the combination of a housing including a cap, a symmetrical reflector attached thereto and a globe attached to said reflector, a lamp socket mounted in said cap at an angle to the axis thereof and means for adjusting said socket so that a lamp mounted in said socket may be displaced from the vertical axis of the reflector in the horizontal focal plane whereby the beam projected from said symmetrical reflector is displaced relatively to the axis of the unit to compensate for the mounting of the unit nearer to one side of the street than to the other.

2,078,138
MEASURING INSTRUMENT
Eugene J. Hansen, Portland, Oreg.
Application September 14, 1936, Serial No. 100,707
2 Claims. (Cl. 33—97)



1. A measuring instrument of the trigonometrical type comprising a casing, a quadrant thereon, a slidably mounted shaft operated block on the casing, a sine arm carried by the block and adapted to intercept the quadrant, a pivotally mounted radius arm on the block adapted to intercept the quadrant, and means for interchangeably mounting the quadrant and sine arm on opposite sides of the casing to facilitate using the instrument on right or left curves or in a horizontal position.

2,078,139
WASHING MACHINE
Osmünd Holm-Hansen, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application March 28, 1936, Serial No. 71,422
5 Claims. (Cl. 259—101)

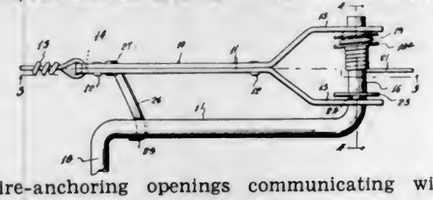


1. In a washing machine, a tub, a shaft extending through the bottom of the tub, means for oscillating the shaft, an annulus of resilient material connected to and depending around said shaft, and an agitator supported from the lower end of said annulus.

2,078,140
WIRE STRETCHER
Jacob M. Haynes, Macksville, Kans.
Application November 30, 1935, Serial No. 52,425
3 Claims. (Cl. 254—161)

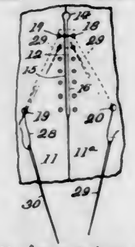
1. A device of the class described, comprising a frame having separated end portions, a reel shaft journaled in said end portions, a wire bending, and holding guide block of ring form on said shaft between said portions having a spiral groove

nearer one end portion than the other end portion, and said block and reel shaft having aligned



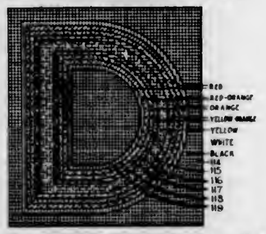
wire-anchoring openings communicating with the groove.

2,078,141
INFLATABLE BALL
José Hesper, Cordba, Argentina, assignor to John Sheahin, Washington, D. C.
Application February 17, 1936, Serial No. 64,390
1 Claim. (Cl. 273—65)



An inflatable ball comprising a bladder having a valve for permitting inflation thereof and a tongue provided with an opening in line with said valve, a casing having an elongated slit through which the bladder and tongue may be inserted, the edge portions of said casing adjacent said slit being inturned and being cut away at one end of said slit to provide an aperture with which the opening in said tongue is disposed in alignment, and stitching beginning at a point immediately adjacent the aperture in said casing and formed by a lacing passing through said tongue and thereafter through the said inturned edge portions at the point immediately adjacent the cut away portions therein for immediately positioning and holding said valve and said tongue in proper alignment with the aperture in said casing and for drawing said inturned edge portions into contact with one another whereby to close the slit in the casing with the lacing disposed wholly within the outer peripheral surface of the ball.

2,078,142
ILLUMINATED DISPLAY
Ralph S. S. Jones, Toronto, Ontario, Canada, assignor to Vibra-Lite Limited, Montreal, Quebec, Canada, a corporation
Application May 13, 1935, Serial No. 21,252
15 Claims. (Cl. 40—130)

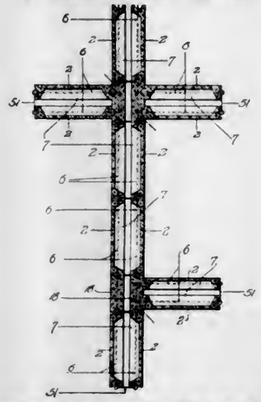


5. In display apparatus of the character described, in combination, a display object including relatively different shades of colours of analogous hue formed and arranged in gradually changing colour hue bands, and apparatus arranged to illuminate the said display object with shades of coloured light in recurring cycles, the said display object being formed in such wise and the said apparatus being arranged to intermittently flood the said display object with light of different colour in such manner that at different periods during an illuminating cycle different shades of colour of the said display object are rendered momentarily conspicuous and predominant, whereby the said display object appears to pulsate.

2,078,143
REGENERATIVE ELECTRIC CELL
Lucien Jules Jumau, Paris, France, assignor to Compagnie Generale d'Electricite, Paris, France
No Drawing. Application March 11, 1935, Serial No. 10,480. In Germany March 19, 1934
2 Claims. (Cl. 136—100)

1. A regenerative electric cell, comprising a positive electrode including a depolarizer consisting of a compound selected from the group consisting of sulphate, chloride, bromide, iodide and phosphate of lead, a magnesium negative electrode, and an electrolyte of a soluble neutral salt, the anion of which is the same as the anion of the depolarizer and the cation of which is a metal selected from the group consisting of the alkali and alkaline-earth metals.

2,078,144
PRECAST CONCRETE UNIT SYSTEM FOR WALL CONSTRUCTION
Wilder Kenan, San Antonio, Tex.
Application February 8, 1935, Serial No. 5,673
9 Claims. (Cl. 72—44)

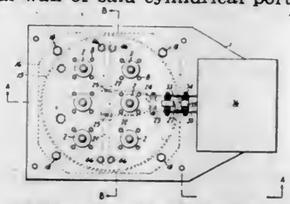


1. A concrete panel including a relatively thin elongated body, an outer rib extending along the edge of the body having an inner inclined face and its outer face flush with the outer edge of the panel, an intermediate rib having opposite inclined faces, reinforcing elements in said ribs, a groove formed in the outer face of said outer rib, and fastening means directly connected to said reinforcing elements embedded in said panel and terminating in said groove.

2,078,145
CIRCUIT BREAKER
Gordon R. Langley, Peterborough, Ontario, Canada, assignor to General Electric Company, a corporation of New York
Application December 12, 1935, Serial No. 54,067
In Canada March 20, 1935
5 Claims. (Cl. 200—150)

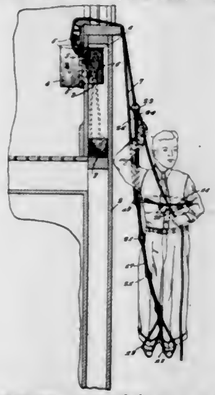
1. An electric circuit breaker of the liquid-break

type comprising a casing including a cylindrical metal portion, a disc-like metal plate secured within one end of said cylindrical portion to form the bottom wall of said casing, a metal reinforcing band, the outer periphery of which is substantially rectangular, secured to the outer peripheral wall of said cylindrical portion at the



opposite end thereof and a flat metal plate forming the cover structure of said casing, said plate having a circular groove in registry with the upper end of said cylinder, said plate constituting a unitary support for the complete circuit breaker structure, and means for detachably securing said plate to diagonal portions of said reinforcing band.

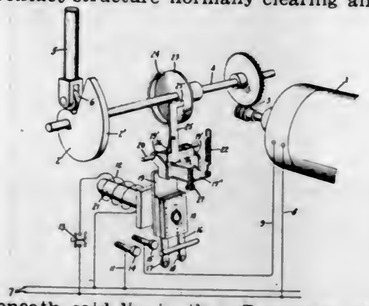
2,078,146
FIRE ESCAPE
Alphonse J. Le Blanc, Little Brook Station, Nova Scotia, Canada
Application January 3, 1936, Serial No. 57,419
2 Claims. (Cl. 227—19)



1. A fire escape comprising a casing mounted in a room adjacent to a window of a building and having its front open, a door hinged to said casing for closing the latter, a curved frame pivotally mounted in said casing, said frame being swingable to an operative position exteriorly of the casing, rollers carried by said frame, a sling construction trained over said rollers, said casing having its bottom open and located between inner and outer walls of a building to permit the sling construction to be confined between said walls when not in use, and means for supporting the sling construction between said walls.

2,078,147
ELECTRIC CONTROL DEVICE
Leonard J. Linde, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application November 7, 1935, Serial No. 48,678
4 Claims. (Cl. 172—239)

1. In motor-operated mechanism including a motor and a shaft operated thereby, contact structure for controlling energization of said motor, and means for mechanically sealing said contact structure in motor energizing position comprising a member connected to said shaft, said member having a discontinuous peripheral lip portion, and a member operatively connected to said contact structure normally clearing and ly-



ing beneath said lip in the off position of the contact structure, said lip riding under said member and restraining said contact structure in closed position upon initial operation of said shaft for sealing said contact structure in motor energizing position until the end of the cycle of operation of said mechanism.

2,078,148
PRESSURE FLUID GAUGE
Walter H. Longstreet, Brooklyn, N. Y., assignor to Acme Air Appliance Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 11, 1935, Serial No. 21,039
15 Claims. (Cl. 73—111)

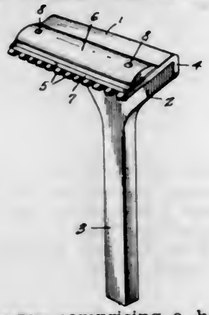
10. In pressure fluid gauges, the combination, with a housing, a gauge bar movable longitudinally therein, and pressure fluid actuated means for moving the bar, of friction plates spaced apart and engaging the bar for frictionally resisting movement thereof, each having a transverse groove-like recess, a spring clip enclosing said plates and lying in the recesses thereof, and means in the length of the housing for engaging the ends of the plates to limit the plates against movement with the gauge bar.

2,078,149
CAP FOR TOOTHPASTE TUBES
Clay B. Lutz, Hagerstown, Md.
Application December 11, 1936, Serial No. 115,427
2 Claims. (Cl. 221—60)



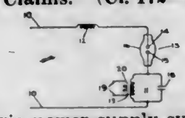
1. The combination with a collapsible tube of a conical replacement cap having a bore provided with a screw threaded portion to receive the conventional screw threaded neck of the tube and having a slit portion open through the small end of the cap, and a base having a bell shaped supporting flange terminating in an annular bottom edge in the plane of the bottom of the base, the base having a conical bore adapted to receive the conical cap and support the tube in inverted position, the bottom of the base being closed to prevent contamination of the contents of the tube.

2,078,150
SAFETY RAZOR
Joseph Masip, Arthur Gandon, and Jesus Soler, New York, N. Y.
Application September 23, 1935, Serial No. 41,792
1 Claim. (Cl. 30—30)



A safety razor comprising a handle of cross sectional rectangular configuration, a substantially triangular body formed on the handle and rising therefrom, a guard plate formed on the upper end of the body and extending at a downward inclination with respect thereto, teeth included in the guard plate, a cap co-extensive with the length of the guard plate, a blade between the cap and guard plate, and rivets extending through the cap, blade and guard plate for permanently securing the same together and fixing the blade relative to the teeth of the guard plate for cooperative association therewith.

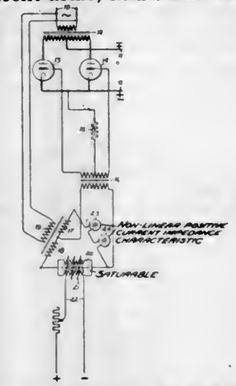
2,078,151
HIGH FREQUENCY POWER SUPPLY CIRCUIT
Lawrence D. Miles, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 16, 1936, Serial No. 74,646
9 Claims. (Cl. 172—281)



9. An electric power supply system comprising an input circuit, an output circuit, means to produce oscillatory current in said output circuit including an inductor, a capacitor, and an arc tube having a pair of main electrodes and an auxiliary starting electrode, and circuit means to actuate said auxiliary electrode to initiate oscillations in said arc tube, said circuit means including a resistance, a thermostatic device having a heater element and a movable element in operative relation with said auxiliary electrode, and a switch means adapted when closed to supply heating current to said heater element from said input circuit to cause said auxiliary electrode to make contact with one of said main electrodes and when open to cause current from said input circuit to flow in series through said one of said main electrodes, said auxiliary electrode, and said resistance.

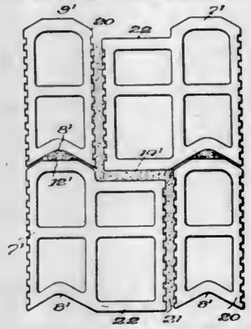
2,078,152
PHASE SHIFTING CIRCUIT
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application January 25, 1935, Serial No. 3,492
8 Claims. (Cl. 172—238)

1. The combination in a bridge circuit for producing a phase shift between the periodic input potential and the output potential comprising a pair of impedances as adjacent arms, a variable impedance element and a variable resistance element in adjacent arms, said elements having op-



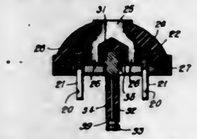
posite impedance-current characteristics, and means controlling only one of said elements for simultaneously effecting an inverse change in the impedance of the other of said elements.

2,078,153
BUILDING WALL
Luther S. Munson, West Riverdale, Md.
Application July 19, 1935, Serial No. 32,287
6 Claims. (Cl. 72—41)



1. A wall composed of blocks arranged one above the other in tiers, each block of one tier having a terminal part complementally interfitting a portion of a vertically adjacent block, the remaining portion of each block of said tier being spaced from the corresponding portion of said adjacent block by a bonding medium.

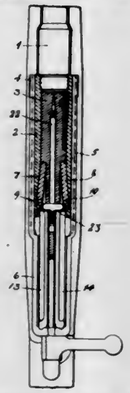
2,078,154
PLUG AND CAP CONNECTER
Shigeo Okino, Honolulu, Territory of Hawaii
Application November 13, 1935, Serial No. 49,569
1 Claim. (Cl. 173—343)



A connecter including a plug having an annular recess in one end face, a channeled metal annulus in the recess having spaced circular flanges

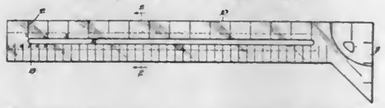
and a web connecting the flanges, the outermost flange being slit from the edge to approximately the web to form spring tongues, said spring tongues being provided with transverse V-shaped projections on their inner faces adapted to enter correspondingly shaped recesses in the prongs of a cooperating cap and lock the cap to the plug, a threaded terminal disposed on the exterior of the plug and electrically connected to the annulus, and a center terminal disposed axially in the plug.

2,078,155
AUTOMATIC RIFLE
Carl Pelo, Helsingfors, Finland
Application March 1, 1933, Serial No. 659,203
In Finland August 29, 1931
1 Claim. (Cl. 42—4)



In an automatic firearm, in combination, a recoil barrel, a barrel extension rigidly connected to said barrel, a breech block slidably mounted in the barrel extension, a receiver frame, catches pivotally connected to said breech block for releasably locking said breech block to said barrel extension, guide grooves in said receiver frame, and means on the catches cooperating with said guide grooves serving to guide the catches positively throughout the entire movement of the breech block.

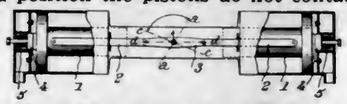
2,078,156
RADIOLOGIST'S SCALE RULER
Gentz Perry, Evanston, Ill.
Application January 2, 1936, Serial No. 57,112
7 Claims. (Cl. 33—107)



1. A scale for use in measuring lighted negatives, consisting of a length of transparent material provided with graduations and having a longitudinal opening, and a section of relatively opaque material bordering said opening.

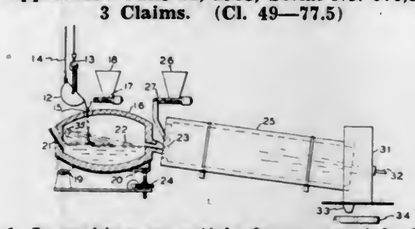
2,078,157
MOTOR COMPRESSOR WITH FREE PISTONS
Raul Pateras Pescara, Paris, France
Application November 21, 1932, Serial No. 643,689
In France November 27, 1931
11 Claims. (Cl. 230—56)

2. An internal combustion motor compressor comprising, in combination, two pistons, a combustion cylinder common to the two pistons, compressor cylinders individual to each piston, said pistons moving in said combustion and compressor cylinders, a system including two connecting rods and an oscillating member between said two pistons, the length of the elements of said system being such that when the system is in extended position the pistons do not contact with



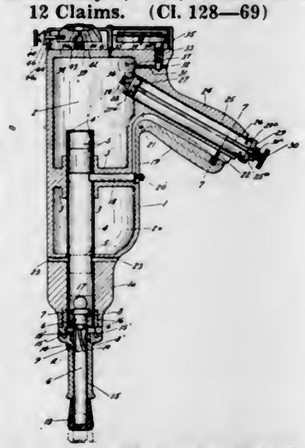
the heads of the compressor cylinders, a pump adapted to inject fuel into said combustion cylinder, and means connected with said system for actuating said pump.

2,078,158
METHOD OF UTILIZING SLAG
Edward R. Powell, Alexandria, Ind., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application June 21, 1933, Serial No. 676,851
3 Claims. (Cl. 49—77.5)



1. In making an article from material of the type of blast furnace slag, the method which comprises providing a supply of the material in molten condition, admixing intimately therewith an agent adapted to develop gas in substantial amount at a very high temperature that is above the temperature of the molten material, raising the temperature of the resulting mixture to the said very high temperature, thus causing the said agent to develop the gas and produce voids in the mixture, and then solidifying the void-containing product.

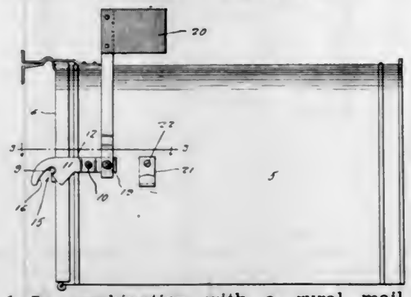
2,078,159
VERTEBRAL ADJUSTER
Daniel P. Redding, Kansas City, Mo.
Application May 3, 1935, Serial No. 19,676
12 Claims. (Cl. 128—69)



1. In a vertebral adjusting appliance, a housing containing a reservoir for compressed air, a barrel mounted in said housing having its inner end extending into the reservoir and formed with an inwardly turned flange thereon, an extension united to the lower end of the housing

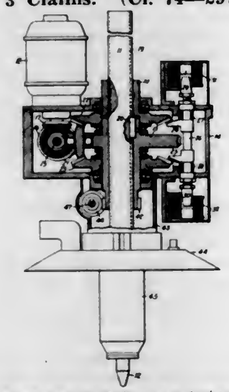
adjacent the outer end of the barrel, a plunger slidingly mounted within the extension, a piston fitted within the barrel, pneumatic means for actuating the piston to drive it down the barrel and cause an impact upon the plunger.

2,078,160
RURAL MAIL BOX SIGNAL
Roy William Reed, Mission, Tex.
Application March 14, 1936, Serial No. 68,944
4 Claims. (Cl. 232—35)



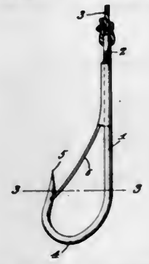
1. In combination with a rural mail box equipped with a hinged lid, a pin on the lid extending laterally from one side thereof, an elongated flat actuating arm formed with a notch in the lower side thereof in close proximity to one end to receive the pin when the lid is closed, the outermost edge of said notch being arcuate to provide a cam to rock the actuating arm when the lid is opened, an intermediate portion of said arm having an offset portion to provide a relatively small bearing shoulder, said shoulder portion pivoted to the box thereby spacing the parts of the arm on each side thereof to prevent wiping contact with the box, a signal staff, means for securing one end of the staff to the other end of said arm, a signal carried by the free end of said staff, said securing means consisting of a bolt and a lip on the end of the arm engaging in overhanging abutment a side portion of the staff, and a hook bracket carried by the box for supporting the staff when in a lowered position.

2,078,161
GEARING
Eberhard Rietsch, Hennigsdorf, near Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application March 7, 1935, Serial No. 9,892
In Germany March 21, 1934
3 Claims. (Cl. 74—297)



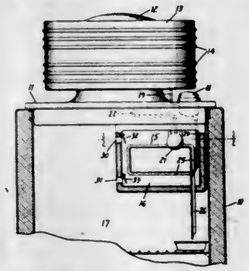
1. Apparatus comprising an internal screw and an external screw, one of which is threaded on the other, means for rotating one of said screws, an epicyclic gear train having two driven gears mounted for rotation about the axes of rotation of said screws and a driving gear rotatably supported by said rotating means for a translatory motion about the axes of rotation of said screws, means for connecting one of said driven gears to the other of said screws, and means for effecting relative rotation of said driven gears.

2,078,162
FISHHOOK
Walter C. Robins, Carmel, Calif.
Application November 5, 1934, Serial No. 751,644
1 Claim. (Cl. 43—38)



A barbless fish hook comprising a shank being turned back upon itself to provide a hook portion, said hook portion having a sharp point and lying in the same vertical plane as the shank, and a spring having one end anchored to the shank and having its free end forked and straddling the hook just below the point, the path of travel of said spring being in the same vertical plane as the shank and hook, the pointed end portion of the hook converging towards the shank to lie in the path of travel of the free end of the spring and the spring being curved for its entire length in an arc the radius of curvature of which is struck from a center on the same side of the shank as the point of the hook for preventing accidental dislodgment of the spring beyond the point of the hook.

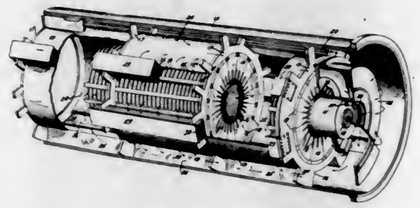
2,078,163
EVAPORATOR FOR REFRIGERATING MACHINES
Ralph F. Roider, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 1, 1936, Serial No. 88,358
10 Claims. (Cl. 62—126)



1. A flooded evaporator for refrigerating machines comprising means including a plurality of conduits for forming a freezing chamber, means for injecting refrigerant upwardly into a plurality of said conduits on one side of said chamber

to produce a circulation of refrigerant around said chamber through said conduits, means depending from said conduits for maintaining a relatively undisturbed body of liquid refrigerant in communication with the lower portion of said conduits, and means for withdrawing gaseous refrigerant from said evaporator.

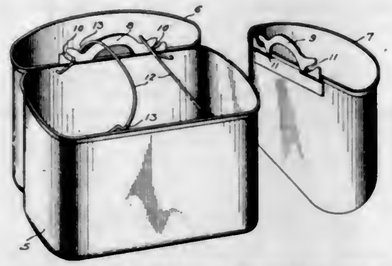
2,078,164
TOTALLY ENCLOSED DYNAMO-ELECTRIC MACHINE
Marion A. Savage, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 24, 1936, Serial No. 86,963
11 Claims. (Cl. 171—252)



11. A dynamo-electric machine comprising a rotatable member, a stationary member surrounding said rotatable member and having radial cooling spaces, a housing spaced from and enclosing said stationary member, a shell forming a chamber about the outer peripheries of an inner group of said radial cooling spaces, a shell spaced from said housing and forming a chamber about the outer peripheries of an end group of said radial cooling spaces, a shell spaced from said housing and forming a chamber about the outer peripheries of an intermediate group of said cooling spaces, said shells surrounding said intermediate and said end group of radial cooling spaces having aligned axially disposed openings therein communicating with the space between said shells and said housing, axially disposed coolers between said shells and said housing on opposite sides of said aligned axially disposed openings, axially disposed passageways between said shells and said housing communicating with said aligned axially disposed openings through said coolers, a fan mounted on the end of said rotatable member, a casing about said fan, said casing having an intake opening and being spaced from said housing to provide communication between said intake opening and said passageways and said casing having an exhaust opening communicating with the gap between said rotatable member and said stationary member at the end of said stationary member, and a duct located between said shells and said housing and connecting said central shell with an exhaust opening in said fan casing.

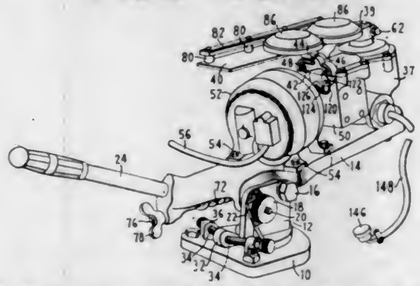
2,078,165
COOKING APPARATUS
Walter M. Schwartz, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application June 19, 1936, Serial No. 86,185
7 Claims. (Cl. 53—1)

1. In apparatus of the class described, a plurality of cooking receptacles adapted for positioning adjacent one another, a stationary handle on one of said receptacles having recesses therein, and pivoted handles on another of said receptacles having portions movable into and out of said recesses to attach said first receptacle to or



detach it from said second receptacle while the receptacles are adjacently disposed.

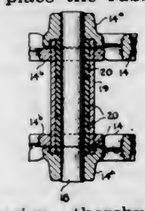
2,078,166
THROWING MACHINE
Frank H. Schwerin, Bellevue, Pa., assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 7, 1933, Serial No. 696,963
4 Claims. (Cl. 124—6)



1. A throwing machine of the character described comprising a frame, a shaft journaled in the frame at the forward end of the frame with the opposite ends of said shaft extending above and below said frame; a throwing arm connected with the upwardly extending end of the shaft and located directly above the frame when in retracted position; a crank below the frame and connected with the downwardly extending end of said shaft; a spring connected with the crank for supplying power to operate the throwing arm; mechanism connected with the frame and located between the spring and the retracted throwing arm, said mechanism including an electric motor for tensioning the spring and moving the throwing arm into retracted position; and an extension at the rearward end of the frame providing an anchor for one end of the spring so that the spring extends under substantially the entire length of said mechanism and beyond the rearward end of said mechanism.

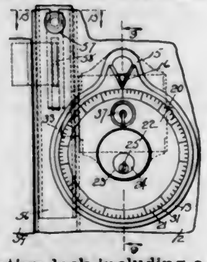
2,078,167
LINK BELT
Jesse W. Shields, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 23, 1933, Serial No. 677,216
6 Claims. (Cl. 305—10)

4. In a link belt the combination of a plurality of links, and pivotal connections between said links, each of said connections comprising an axial spindle, a sleeve circumscribing the spindle and spaced therefrom, and a bushing of rubber between said spindle and sleeve and having its inner portion vulcanized to said spindle and its outer portion frictionally secured to said sleeve, said rubber bushing at the time of vulcanization being of larger diameter than the inside diameter of said sleeve and being forced axially into said sleeve to place the rubber under constant



radial compression, thereby resisting angular movement between the spindle and sleeve by torsion of the rubber, one end of each link being fixed to a spindle of a connection and the other end of the link being fixed to a sleeve of an adjacent connection to thereby assure the imposition of torsional strains only upon the rubber during relative angular movement of the spindle and sleeve.

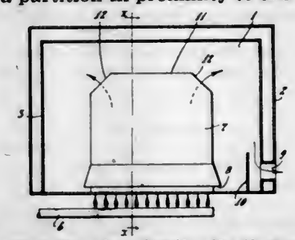
2,078,168
PERMUTATION LOCK
Elmer B. Stone and Louis M. Dyson, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application February 2, 1935, Serial No. 4,680
14 Claims. (Cl. 70—285)



1. A permutation lock including a locking bolt, a locking bolt controlling device operatively connected with said locking bolt to control its movements and having a fence, means engageable with said controlling device to prevent its movement, a movably mounted tumbler having a gating to receive said fence for movement of the tumbler thereby to locking position, means for removing said fence from said gating to permit locking movement of the locking bolt independently of said tumbler, and means for operating said tumbler.

2,078,169
GAS OVEN
Jan Hendrik Windemuller, The Hague, Netherlands, assignor to Maatschappij van Berkel's Patent N. V., Rotterdam, Netherlands, a corporation of the Netherlands
Application June 10, 1936, Serial No. 84,527
In the Netherlands May 15, 1935
3 Claims. (Cl. 126—273)

3. A baking oven comprising end and side walls, a top, and a base, said base being provided with an opening, an air heating element operatively positioned below said opening, a chimney in said oven positioned and spaced above said opening, one of said walls having a discharge opening at the lower part thereof to provide an exit for the air, and a partition in proximity to the discharge

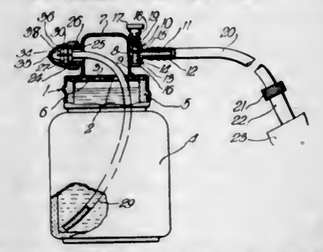


opening extending longitudinally thereof and arranged to separate the exit current of air from the current which is drawn into the chimney.

2,078,170
INK
Melville M. Wilson, Chicago, Ill.
No Drawing. Application December 14, 1934, Serial No. 757,455
3 Claims. (Cl. 134—35)

1. A printing ink comprising a coloring material, a resinous binding material, and a solvent for the binding material consisting of one or more compounds of the class of alkyl substituted benzenes and naphthalenes which boil between 180° C. and 350° C. and are liquid at ordinary temperatures.

2,078,171
SPRAY GUN
Philip W. Wittle, Chicago, Ill.
Application May 31, 1935, Serial No. 24,389
2 Claims. (Cl. 299—89)



2. A device of the class described including in combination a container having a filling mouth in the top part thereof, an imperforate frangible gasket overlying said mouth, a closure for said container secured thereto and overlying said gasket, a dome mounted on said closure and cooperating therewith to define a compressed air chamber above said closure, a compressed air inlet for said chamber, an outlet nipple protruding from said dome, and a spray nozzle threaded on said nipple; said closure having a perforation therethrough beneath said dome so that, upon removal of said nozzle, a liquid feed tube may be inserted through said nipple, chamber, and perforation for puncturing said gasket and subsequently delivering liquid to said nozzle.

2,078,172
COATED FILM
Allen Abrams, George W. Forcey, and George J. Brabender, Wausau, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application March 19, 1936, Serial No. 69,729
9 Claims. (Cl. 91—68)

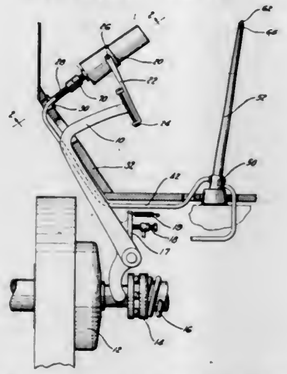
1. A flexible stretchable base film comprising a wax and a rubber and having an adherent flex-

ible non-tacky coating, said coating being less flexible than the said base film whereby upon



stretching the coating is broken to expose the surface of the base film.

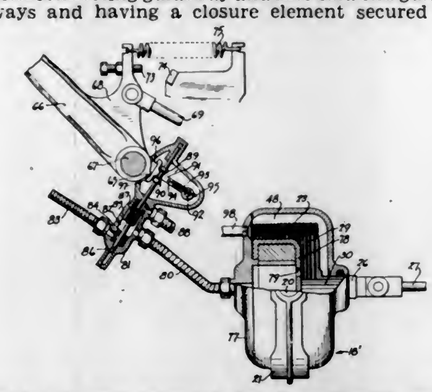
2,078,173
CLUTCH CONTROL SYSTEM
Charles A. Brewer, Noroton Heights, Conn., assignor of one-half to Philip J. Kury, Arverne, N. Y.
Original application October 2, 1929, Serial No. 396,691. Divided and this application April 3, 1933, Serial No. 664,254
19 Claims. (Cl. 192—91)



1. In a clutch control device for motor vehicles including a spring tending to cause engagement of the clutch, means for controlling operation of the clutch comprising relatively movable members forming opposite chambers between them, one of said chambers being adapted for pressures approximately atmospheric and below, and the other of said chambers being adapted for pressures approximately atmospheric and above, means for lowering the pressure in said low pressure chamber and automatically admitting pressure to said high pressure chamber to effect disengagement of said clutch and reversely supplying pressure to said low pressure chamber and allowing exhaust from said high pressure chamber to permit engagement of said clutch, said clutch operating means automatically controlling the movement of the clutch and comprising exhaust outlet means passing air under pressure above atmospheric, and means for varying the resistance of said outlet means according to the position of the clutch.

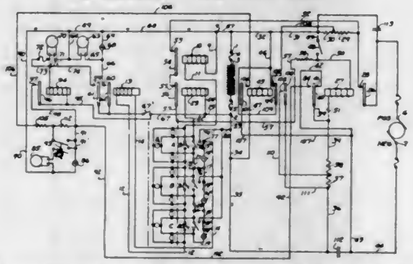
2,078,174
VALVE
Charles A. Brewer, Noroton Heights, Conn., assignor of one-half to Philip J. Kury, Arverne, N. Y.
Application November 27, 1933, Serial No. 699,809
1 Claim. (Cl. 121—38)

In a power operated brake control mechanism, a physically operable member; an air switch adapted to be rendered operative or inoperative by said physically operable member, said switch comprising in combination, a fixed casing having a semi-circular chamber and a cylindrical chamber mounted adjacent to said physically operable member and having the axis of the cylindrical chamber aligned with the wide portion of the semi-circular chamber, said casing being formed with aligned guideways aligned with the axis of the cylindrical chamber, one said guideway being in a side of the semi-circular chamber opposite to the said cylindrical chamber, one being in an end of the cylindrical chamber opposite to the semi-circular chamber, and a third interconnecting the two chambers; a poppet valve member mounted for reciprocal movement in said casing comprising a rod extending through said interconnecting guideway and into said end guideways and having a closure element secured to



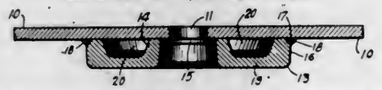
said rod, said casing being formed with valve seats cooperating with said closure element, with openings leading respectively to a source of power, a power cylinder to be operated and to the atmosphere; a pivoted arm within said semi-circular chamber formed with shoulders; lugs on said rod arranged to contact with said arm; a spring connected to said arm and arranged to move it in either one of two opposite directions depending upon the position of said arm; and a lug formed on said physically operable member arranged to contact with the shoulders of said pivoted arm.

2,078,175
SUPERVISED ELECTRIC SYSTEM
Harry Campbell Grant, Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York
Original application September 22, 1934, Serial No. 745,092. Divided and this application November 16, 1935, Serial No. 50,071
4 Claims. (Cl. 177—352)



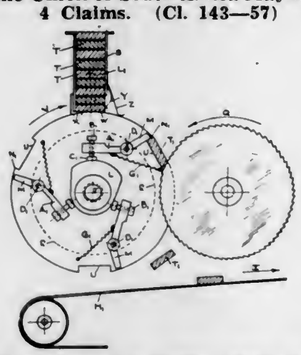
4. In an electric system comprising a plurality of external circuits, a source of electric potential, at least one pole of which may be normally grounded, for normally energizing said external circuits, an electromagnet, an alarm signal, means to control the alarm signal by the electromagnet, and means to connect certain of the aforesaid elements in a series circuit comprising at least one external circuit, said electromagnet, at least one other external circuit, and the source of electric potential; the provision of means for protecting the electric system against the occurrence of grounds in an external circuit, comprising a relatively high resistance inserted at each end of the series circuit adjacent its point of electrical connection with the source of electric potential, each said resistance consisting, in part at least, in a ground detecting relay, said resistances serving to limit currents flowing when a ground occurs in an external circuit, and means controlled by the operation of said ground detecting relays to disconnect the electric system from the source upon the occurrence of a ground in an external circuit at the same time that one of the poles of the source is grounded.

2,078,176
WELDED CENTER PLATE
Arthur H. Hartwig, Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 23, 1935, Serial No. 22,951
12 Claims. (Cl. 308—137)



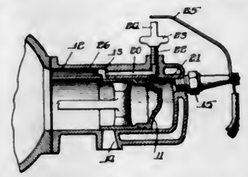
1. A fabricated center plate comprising a plate member and a hollow bowl member integrally secured together.

2,078,177
ROTARY AUTOMATIC FEED FOR CROSSCUT SAWS FOR PARQUETING FLOORING AND THE LIKE
Alfred George Tracey Hickman, Brakpan, Union of South Africa, assignor to Hunt, Leuchars and Hepburn, Limited, Johannesburg, Transvaal, Union of South Africa, a company with limited liabilities
Application March 6, 1935, Serial No. 9,597
In the Union of South Africa May 4, 1934
4 Claims. (Cl. 143—57)



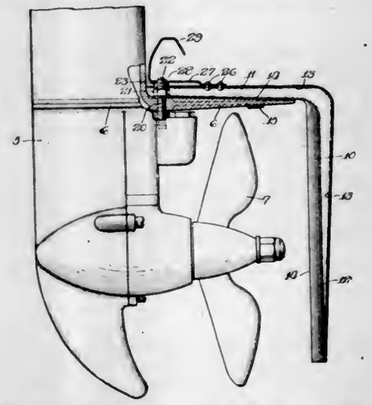
1. Feeding device for crosscut saws for parqueting flooring and the like comprising the combination with a guide hopper, of a plurality of rotatable circular discs, and corresponding number of circular saws partly overlapping the periphery of said discs and adapted to rotate in a direction reverse to that of said discs, a plurality of slots in each of said discs for receiving the batten fed by said guide hopper, clamping means associated with said slots for holding the batten, a stop at one end of said guide hopper and resilient means at the other end for pressing the batten against said stop, a hook mounted on one side of said guide hopper adjacent the bottom thereof and upon which the battens rest and a spring member mounted on the opposite side for pressing the batten against said hook whereby the batten is pulled from said hopper by said slots along one edge and whereby only one batten is removed at one time, and a second spring member connected to said hopper for depressing the batten in said slots until engaged by said clamping means.

2,078,178
INTERNAL COMBUSTION ENGINE
Harry L. Johnson, Waukegan, Ill., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill., a corporation of Indiana
Application June 11, 1934, Serial No. 729,949
5 Claims. (Cl. 123—73)



1. The combination in an internal combustion engine with a plurality of cylinders, pistons movable therein and a common chamber for admitting a combustible mixture under pressure to the explosion end of the cylinders, means forming a bypass in the wall of the cylinder from the combustion end of one or more of the cylinders to the common chamber, a spark plug at the outer end of each cylinder, and manually operated valved means for the bypass and a conductor to extend therefrom to short circuit the spark plug for that cylinder when it opens the bypass.

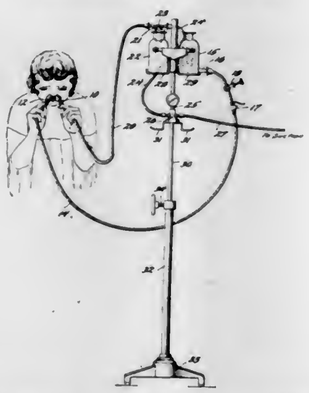
2,078,179
TROLLING PLATE
Harry L. Johnson and Warren C. Conover, Waukegon, Ill., assignors to Johnson Brothers Engineering Corporation, Waukegan, Ill., a corporation of Indiana
Application April 15, 1935, Serial No. 16,332
9 Claims. (Cl. 115—0.5)



1. In an outboard motor having an anti-cavitation plate, a removable trolling plate therefor comprising integral right angled portions, one extending vertically behind and below the first

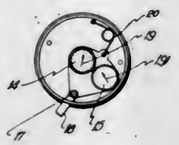
named plate, and the other extending over the top of the first plate and having attached means to extend under the said first plate.

2,078,180
MEDICAL APPARATUS
Isaac Bert Kronenberg, Baltimore, Md.
Application October 24, 1933, Serial No. 695,021
Renewed September 24, 1936
2 Claims. (Cl. 128—276)



2. In a device for irrigating the nasal sinuses, in combination, a standard, a reservoir and a receptacle each detachably mounted near the upper end of the standard, means to adjust the standard to regulate the height of the reservoir, a nozzle adapted for insertion tightly into one nostril, a tube attached near the bottom of the reservoir and adapted to deliver irrigating liquid by gravity to said nozzle, means to regulate the rate of flow to said nozzle, a second nozzle for insertion into the other nostril, a tube connecting said second nozzle to said receptacle, a tube for connecting said receptacle to a source of suction, a suction gauge mounted on said standard adjacent said receptacle and connected to indicate the degree of vacuum therein, and a vacuum regulating device to adjust the degree of suction applied to the second nozzle.

2,078,181
DEVICE EMPLOYING POLARIZED LIGHT
Edwin H. Land, Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J., a corporation of New Jersey
Application August 27, 1935, Serial No. 38,086
11 Claims. (Cl. 88—40)

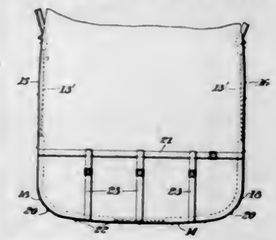


1. An optical system comprising in combination means to polarize a beam of light, means to analyze said polarized beam, one of said means comprising a plurality of closely adjacent light polarizing areas, means adapted to position any one of said areas in the path of said beam and means for rapidly interchanging any other one of said areas with the one in said position, said areas being so positioned that when in position to intercept said beam their polarizing axes are at different predetermined angles one to another.

2,078,182
TUNGSTEN MANUFACTURE
Albert E. MacFarland, Millburn, N. J., assignor to Sirian Wire and Contact Company, Newark, N. J., a corporation of Delaware
No Drawing. Application August 9, 1935, Serial No. 35,419
29 Claims. (Cl. 75—84)

1. The process of making tungsten metal having non-sag and non-offset properties which comprises the steps of forming a mixture of tungstic acid and a solution of potassium fluotitanate, dehydrating this mixture, and reducing the tungstic oxide and substantially completely volatilizing and thus removing the components of the fluotitanate in successive heat treatments in the presence of hydrogen.

2,078,183
SIGN
Joseph L. Ray, New York, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 30, 1935, Serial No. 33,817
4 Claims. (Cl. 40—129)



2. An advertising device for an automotive vehicle having a body including a top with front-side and rear-side windows comprising, side members made of flexible material and adapted to fit over and conceal said rear-side windows, means for detachably securing the lower edges of said side members to said vehicle, an adjustable strap adapted to extend over the top of the vehicle and having its ends secured to the upper edges of said side members, a back member, adjustable straps connecting said side members to said back member, means for detachably securing the lower edge of said back-member to the vehicle and means for adjustably securing the top edge of said back-member to the first mentioned strap.

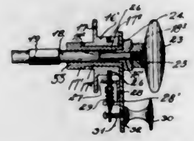
2,078,184
BATHING TRUNKS
John Russell, Easthampton, Mass., assignor to United Elastic Corporation, Easthampton, Mass., a corporation of Masachusetts
Application August 10, 1936, Serial No. 95,138
1 Claim. (Cl. 128—159)

Bathing trunks comprising an outer trunk structure of a dark colored knit fabric and a supporter of elastic webbing secured to said structure and extending through the crotch portion of the garment, said supporter webbing being fabricated from approximately white yarn and having rubber threads incorporated in it, and the outer surface of said supporter next to the outer fabric of the garment having a dark colored surface coating thereon serving to prevent the supporter from showing through the meshes of



said outer fabric, the inner surface of said supporter being uncolored.

2,078,185
WINDOW
George Arthur Wiggins and George Beresford Martin, Hamilton, Ontario, Canada
Application July 2, 1936, Serial No. 88,541
1 Claim. (Cl. 20—40)

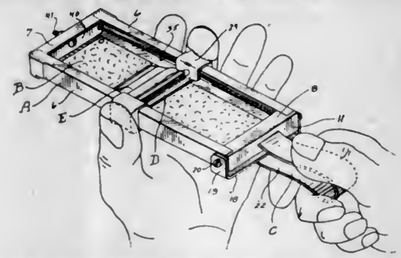


In a mechanism of the class described, a bearing, a tubular member journalled in the bearing, a key on a projecting end of said member and having a shoulder abutting the bearing, a radial flange on the opposite end of said member and abutting the bearing, an arm on said flange, a bushing in the flanged end of said member, a sliding and revolving shaft partially journalled in said member and provided with a polygonal portion and with a reduced portion creating a shoulder, the reduced portion of said shaft being journalled in the bushing, a helical spring around said reduced portion and expanding against the shoulder of said shaft and against the bushing, means on the end of the reduced portion of the shaft for jointly turning the shaft in either direction and for drawing it outwardly, said means being urged inwardly against the bushing by means of said spring, a disc keyed onto the key, a second disc loosely keyed onto the polygonal portion of the shaft, a boss having a recess, the deeper portion of the recess being conformingly round to receive the end of the main portion of the shaft and a shallow portion thereof being conformingly polygonal to receive a portion of the polygonal portion of the shaft in annularly selective positions, a plunger slidingly associated with the arm and selectively engageable with a plurality of spaced recesses in the periphery of the bearing, spring means urging said plunger into said recesses, and means for jointly effecting contramovement of the plunger and for revolving the tubular member.

2,078,186
OIL SEPARATION
Everett R. Wiles, Barnsdall, Okla., assignor to Barnsdall Refining Corporation, a corporation of Delaware
No Drawing. Application February 12, 1931, Serial No. 515,426
10 Claims. (Cl. 196—13)

1. The process of oil separation consisting of adding a mixed base oil including paraffinic and naphthenic components to a body of ethylene dichloride in substantially the proportions of 15 to 30 per cent of oil to 85 to 70 per cent of the ethylene dichloride, maintaining the mixture above 40° Fahrenheit for sufficient time to effect maximum dissolution of the components in the ethylene dichloride, reducing the temperature of the mixture to approximately 5 degrees above zero Fahrenheit for effecting precipitation of a substantial proportion of the naphthenic component, and separating the components.

2,078,187
RAZOR BLADE HONER AND STROPPER
Herbert C. Wilkinson, Madison, Wis.
Application June 26, 1935, Serial No. 28,559
3 Claims. (Cl. 51—153)

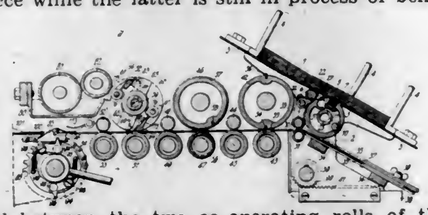


1. A razor blade sharpener comprising a rectangular-shaped frame embodying channel-shaped side members and inner and outer end members, a sharpening element mounted in the lower portion of the frame, a carriage slidably guided on the side members, a shaft journaled in the carriage and having its end portions projecting into the channels of the side members, a blade holder mounted on the shaft, a cord having runs extending in the channels of the side members and looped about the end portions of the shaft, means securing the free ends of said runs to the inner end member, an equalizer bar thru which the central portion of the cord is looped at the outer end member, and means for adjusting said bar to vary the tension on the cord.

2,078,188
APPARATUS FOR MANUFACTURING, AT CHOICE, BAGS, POCKETS, DOUBLE POCKETS, AND ENVELOPES
Alfred Winkler and Max Dünnebier, Neuwied, Germany
Application April 16, 1935, Serial No. 16,724
In Germany August 16, 1933
33 Claims. (Cl. 93—62)

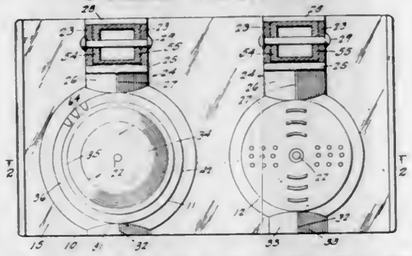
1. In a machine for producing bags, pockets, double pockets and envelopes, means for extracting individual work-pieces from a stack of work-pieces carried in the machine and forming two initial parallel folds in each extracted work-piece, said means comprising a pair of intake rolls, one of which, constituted as a suction roll, is adapted to draw a work-piece from the stack into the nip of the intake rolls with simultaneous

formation of the first fold, a second pair of rolls, one of which co-operates with the intake suction roll to withdraw the work-pieces from the nip of the intake rolls and a fold receiving pocket positioned to arrest the first fold of the work-piece while the latter is still in process of being



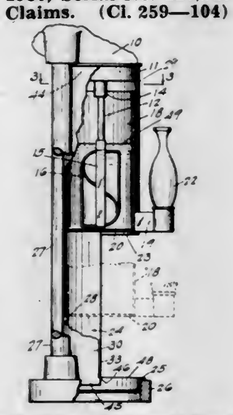
fed between the two co-operating rolls of the first and second pairs, said second pair of rolls being adapted to nip the bight thus formed in the work-piece and to extract the work-piece from the fold receiving pocket, with simultaneous formation of the second fold.

2,078,189
PIE CRUST FORMING, TRIMMING, AND BAKING MACHINE
Kenneth E. Bemis, Oakland, Calif.
Application February 7, 1936, Serial No. 62,827
6 Claims. (Cl. 107—66)



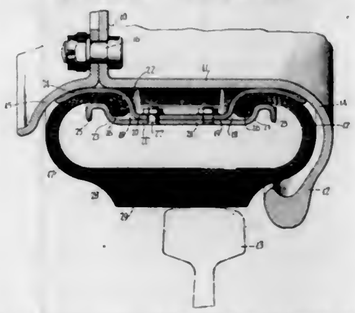
1. A pie-crust machine, in combination, dough forming, trimming, and trimmings severing, means and heating means for said forming means.

2,078,190
DRINK MIXER
Kenneth E. Bemis, Oakland, Calif.
Original application September 14, 1936, Serial No. 100,713. Divided and this application December 23, 1936, Serial No. 117,247
7 Claims. (Cl. 259—104)



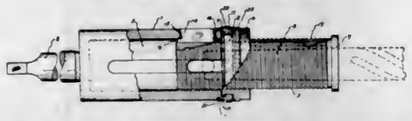
1. In a drink mixer having a head and a base, a cup having a handle, a pilot on said head, a sump removably mounted in said base, a sleeve rotatable on said pilot and having an opening in the lower portion for frontal insertion of said cup, the upper portion of said sleeve slidably receiving said cup for complete peripheral enclosure to form insulating means therefore against extraneous heat during agitation of a mixture in said cup, said handle forming means for rotating said cup and sleeve coincidently and supporting said cup.

2,078,191
RAIL CAR WHEEL
Edward G. Budd, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 16, 1934, Serial No. 715,852
3 Claims. (Cl. 295—31)



3. A pneumatic tired wheel for railway vehicles, comprising a metallic wheel felly, a tire casing having a wide annular opening in its inner wall, a pair of sheet metal annuli secured together in direct thermal contact with their adjacent marginal edges spaced in substantially parallel relation in transverse section, the marginal edges of the inner wall of said casing along the said annular opening being clamped directly between the said adjacent marginal edges of the annuli, the marginal edges of the inner annulus being arranged in thermal contact with the wheel felly.

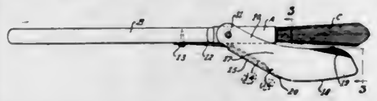
2,078,192
TOOL HOLDER
Joseph F. Buhr and Rollo G. Ellis, Ann Arbor, Mich., assignors to Buhr Machine Tool Company, Ann Arbor, Mich.
Application May 24, 1935, Serial No. 23,234
12 Claims. (Cl. 279—9)



1. A device of the type described comprising a body, a member axially adjustable therein, a rotatable adjusting ring to axially adjust said member relative to said body, an annular flange having teeth around the periphery thereof secured to said adjusting ring and engageable with said body to maintain said adjusting ring against axial movement relative to said body, means defined by said body to provide for, when said member is out of engagement with said body, relative movement between said adjusting ring and said body in a direction substantially perpendicular to their axes to assemble the same,

and means engageable with said toothed flange providing a ratchet and maintaining said adjusting ring in adjusted position.

2,078,193
PAINT BRUSH
Neal J. Campbell, St. Louis, Mo., assignor of thirty-three and one-third per cent to Trevor R. Milligan, St. Louis, Mo.
Application January 25, 1936, Serial No. 60,756
2 Claims. (Cl. 15—166)

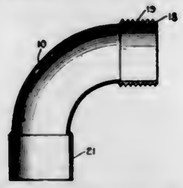


1. The combination with a paint brush, of a guard pivotally secured to the handle of said brush and adapted to shield the sides of the bristles of said brush when the brush is in service applying paint and to be swung back out of contact with said bristles when the brush is to be dipped into the paint supply, a spring between said handle and said guard to normally retain said guard out of contact with said bristles, and a bottom portion in said guard terminating substantially back from the forward end of said guard to expose a substantial part of the bottom portion of said bristles, substantially as and for the purposes described.

2,078,194
DRYING OILS AND PROCESS OF MAKING SAME
Arnold M. Collins, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 4, 1932, Serial No. 627,460
37 Claims. (Cl. 260—2)

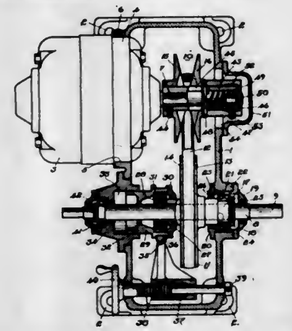
1. A composition prepared by polymerizing a polymerizable open-chain acetylene polymer in the presence of an ester of a drying oil acid and stopping the polymerization before an insoluble gel is formed.

2,078,195
METHOD OF MANUFACTURING WROUGHT NONFERROUS PIPE FITTINGS
Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application December 1, 1934, Serial No. 755,567
5 Claims. (Cl. 29—157)



1. That improved method of manufacturing pipe fittings such as elbows from integral wrought, homogeneous, non-ferrous metal, which comprises utilizing a length of tube of a wall thickness insufficient to bear threads, thickening one end thereof, the external diameter of the thickened end being substantially equal to the outer diameter of the tube, bending the length of tubing, including the thickened end, by forcing the tube through an arcuate die to form an elbow, expanding the thickened end to increase its internal diameter of the tube and cutting threads thereon.

2,078,196
VARIABLE SPEED POWER UNIT
Don Heyer, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California
Application November 1, 1932, Serial No. 640,707
Renewed December 28, 1936
24 Claims. (Cl. 74—230.17)



1. In an adjustable pulley structure having a pair of relatively axially adjustable pulley sections, each of the sections having inclined belt engaging faces, whereby relative axial adjustment produces a corresponding variation in effective pulley diameter, and in which there are interengaging slots and projections in the inclined faces to permit said sections to be brought close together for large effective pulley diameter settings, characterized by the fact that the intersections of the bottoms of the slots with the conical surfaces of the pulleys do not lie on a single concentric circle.

2,078,197
FIREPROOF FILTERING MATERIAL
Frederick J. Hooker, Cincinnati, and James R. Carruthers, Glendale, Ohio, assignors to The Stearns & Foster Company, Lockland, Ohio, a corporation of Ohio
Application January 15, 1935, Serial No. 1,934
5 Claims. (Cl. 252—2.5)

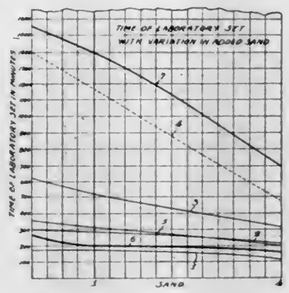


3. A non-inflammable filtering membrane in an air conditioning system comprising, a sheet of carded cotton fibers surfaced with a skin of cotton fibers adhesively united into a lattice structure of relatively high air permeability, said carded cotton fiber containing boric acid, borax, and diammonium acid phosphate.

2,078,198
SET-STABILIZED GYPSUM PLASTER
George D. King, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application October 2, 1936, Serial No. 103,654
6 Claims. (Cl. 106—34)

1. A set-stabilized gypsum cement plaster comprising about 2000 pounds of calcium sulfate hemihydrate, retarder to give the desired delayed time of set, not more than about 40 pounds of

raw gypsum ground so that about 25% or more thereof is of a size of 25 microns or less, and



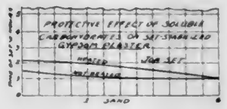
sufficient additional retarder to counteract the accelerating effect of the raw gypsum.

2,078,199

HEATPROOFED SET-STABILIZED GYPSUM PLASTER

George D. King, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application October 2, 1936, Serial No. 103,655
15 Claims. (Cl. 106—34)



1. A set-stabilized calcium sulfate hemihydrate plaster comprising calcium sulfate hemihydrate and a set-stabilizing compound which comprises retarder, calcium sulfate dihydrate and a dehydration-preventing substance from the group consisting of sugars, dextrins and polyhydroxy alcohols.

2,078,200

SET-STABILIZED GYPSUM PLASTER

George D. King, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application October 21, 1936, Serial No. 106,803
7 Claims. (Cl. 106—34)

1. Gypsum plaster whose setting-time is stabilized against disturbance by adventitious admixture of accelerating and retarding influences which comprises calcium sulfate as the setting ingredient and not exceeding about 165 pounds per ton of a set-stabilizing composition which latter comprises a retarder, a calcium salt capable of yielding calcium hydroxide on hydrolysis, and an acid-reacting water-soluble sulfate.

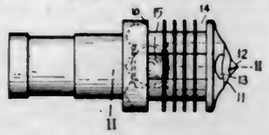
2,078,201

DIAMOND TOOL

Frank E. Koebel, Glen Ridge, N. J., assignor to J. K. Smit & Sons, Inc., New York, N. Y., a corporation of New York

Application November 24, 1936, Serial No. 112,515
3 Claims. (Cl. 125—11)

1. A diamond tool comprising a head and a diamond set in the end of the head and having parallel holes surrounding the diamond setting, a passageway interconnecting the holes at the back of the setting and circumferential grooves



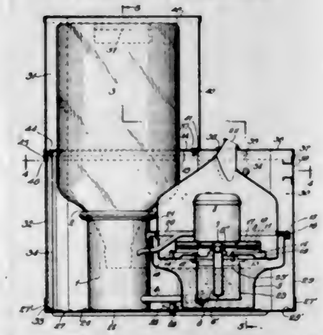
in the periphery of the head which communicate with the parallel holes to provide for circulation of water around the setting.

2,078,202

HUMIDIFIER UNIT

Fowler Manning, Bronxville, N. Y., assignor to Standard Air Conditioning, Inc., New York, N. Y., a corporation of New York

Application March 2, 1935, Serial No. 9,063
7 Claims. (Cl. 261—91)



1. A humidifier unit comprising a water receiving receptacle open at its upper end; a water supply bottle arranged in inverted position and including a spout extending downwardly into said receptacle and a shoulder portion engaging the upper part of said receptacle; air humidifying mechanism located alongside said receptacle and receiving water therefrom and including air and water impelling means; a chassis on which said receptacle and mechanism are mounted; and a casing enclosing said chassis, receptacle, bottle and mechanism and comprising a bottom wall portion on which said chassis is detachably mounted, and uprising and top wall portions separable from said bottom wall to permit water bottle replacements, and comprising another portion separable from the previously mentioned portions to permit the removal of said chassis with said receptacle and mechanism mounted thereon.

2,078,203

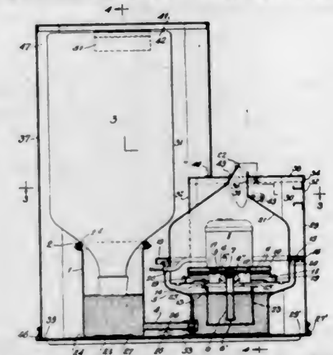
HUMIDIFIER UNIT

Fowler Manning, Bronxville, N. Y., assignor to Standard Air Conditioning, Inc., New York, N. Y., a corporation of New York

Application March 2, 1935, Serial No. 9,064
6 Claims. (Cl. 261—91)

1. A portable casing for enclosing a humidifier comprising a bottom wall member; uprising side wall members and top wall members defining, with said bottom wall, a body space and an extension space, alongside said body space and communicating therewith; the top wall member of said extension space being located at a level below the top wall member of the body space

and being provided with an aperture for the discharge of humidified air; those portions of the



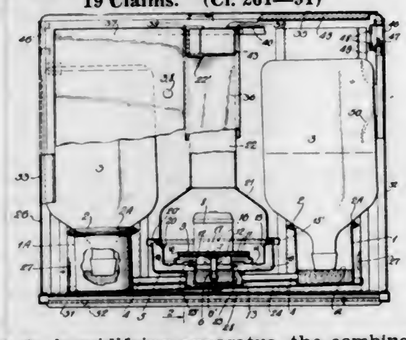
uprising side wall members which define the body space being detachable as a unit from the remaining portions of said casing.

2,078,204

HUMIDIFYING APPARATUS

Fowler Manning and Streckfus W. Manning, Bronxville, N. Y., assignors to American Radiator Company, New York, N. Y., a corporation of New Jersey

Application September 21, 1935, Serial No. 41,520
19 Claims. (Cl. 261—91)



1. In humidifying apparatus, the combination with means providing a water receiving space, of two water supply vessels each closed except for a bottom outlet received in said space, and means for adjusting the relative elevations of said vessels through a range permitting the outlet of either vessel to be raised to a level above that of the outlet of the other vessel, whereby water may be discharged from the vessel having its outlet at the higher level as required to maintain a water level in said space sealing the outlet from the other vessel, and humidifying means having an inlet disposed to receive water from said space.

2,078,205

ALKYL CATECHOL KETONES

Ellis Miller, Philadelphia, and Walter H. Hartung, Lansdowne, Pa., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Original application June 15, 1935, Serial No. 26,776. Divided and this application November 19, 1935, Serial No. 50,544
9 Claims. (Cl. 260—131)

1. As a new product, catechol hexyl ketone.

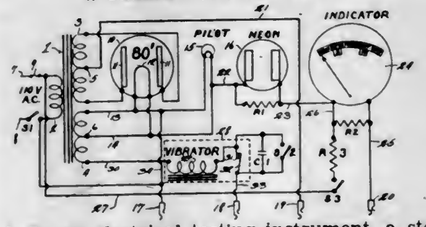
3. The method of simultaneously demethylating and rearranging a guaiacol ester to form a catechol alkyl ketone which comprises heating the guaiacol ester with aluminum chloride in solution in an inert solvent, distilling the solvent and then heating to a temperature preferably less than 150° C.

2,078,206

TESTING INSTRUMENT

Clarence K. Mosey and George W. Mosey, Seattle, Wash.

Application November 15, 1934, Serial No. 753,209
2 Claims. (Cl. 175—183)



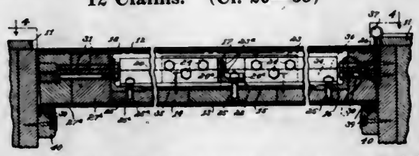
1. In an electrical testing instrument, a step-down transformer having a primary and a first and second secondary coil, each of said secondary coils having a center tap, a rectifier tube having a pair of plates and a filament, each of said plates being connected with one end of the first secondary coil, a pair of jacks, a meter of the milliampere type having a pair of terminals, an electrical connection between the center tap of the first secondary coil and one of said jacks, electrical connection between one side of said meter and the other one of said jacks, a current conductor connected between the center tap and one end of the second secondary coil and forming a closed circuit, said rectifier tube filament being connected across said circuit, a neon tube electrically connected between the other side of said meter and one side of said closed circuit, a second pair of jacks, an electrical connection between one side of the primary transformer coil and the said other side of the meter, a resistance in said last electrical connection, an electrical connection leading from one of the second pair of jacks to the other side of the transformer primary coil and to one side of said closed circuit, a vibrator connected between the other one of the second mentioned pair of jacks and the other end of the second secondary coil, the vibrator including a pair of relatively movable contact points, and a condenser connected across said points.

2,078,207

SOUND INSULATING CONSTRUCTION

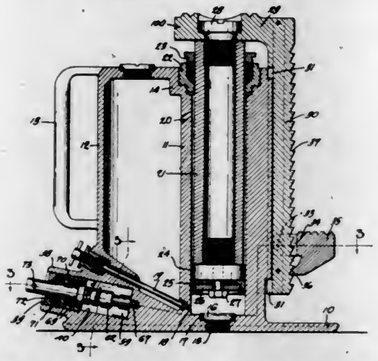
John Page, Evanston, and George W. Baker, Chicago Heights, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application July 26, 1933, Serial No. 682,194
12 Claims. (Cl. 20—35)



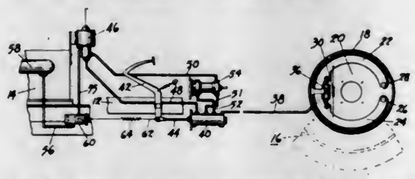
1. A sound-insulating construction comprising a panel of high rigidity, a panel of high flexibility in comparison to said first panel, means supporting said panels in spaced, parallel relation, and a layer of vibration-damping material covering the inside surface of the rigid panel but only partly filling the space between said panels.

2,078,208
HYDRAULIC JACK
Homer R. Rosenberry and Ray P. Rosenberry, Cleveland Ohio, assignors to Carl W. Brand, Cleveland, Ohio
Application July 16, 1931, Serial No. 551,196
Renewed December 20, 1934
2 Claims. (Cl. 60—52)



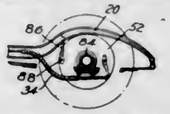
1. A hydraulically operable jack, comprising: a casting providing a reservoir and ram cylinder, and having a normally closed valve controlled passage to effect exhaust of fluid from said ram cylinder to said reservoir; a ram in said ram cylinder; a pump cylinder communicating through ducts in said casting with said ram cylinder and with said reservoir; valve means in said ducts operable to permit one way passage of fluid from said reservoir to said ram cylinder; a piston member in said pump cylinder, movement of which operates said valves; a projecting base portion of said casting; an anti-friction bearing disposed in said projecting portion of said casting; an operating member extending to the exterior of said jack, and rotatably carried by said anti-friction bearing; and cam means extending continuously around one of said members, and a projection carried by the other of said members and engaging said cam means, whereby rotation of said operating member effects reciprocation in opposite directions of said piston member, to thus operate said ram.

2,078,209
BRAKE
Roy S. Sanford and Eugene G. Carroll, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 6, 1932, Serial No. 609,716
21 Claims. (Cl. 188—152)



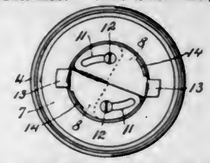
11. For use in a vehicle, means for retarding said vehicle, a power means having a variable stroke for operating said retarding means with a pressure so light that it need not be graduated, relatively powerful manually controlled applying means for adding a graduated pressure, and means comprising a check valve for preventing the graduated pressure added by the manually controlled applying means from reacting on the relatively light power means.

2,078,210
BRAKE TORQUE REACTION DEVICE
Roy S. Sanford, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 8, 1932, Serial No. 621,445
3 Claims. (Cl. 188—190)



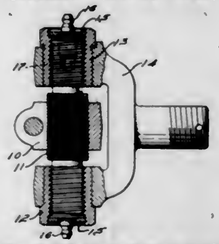
1. An automotive vehicle comprising an axle, a resilient suspension therefor, a brake mounted on the axle including an anchor-carrying backing plate rotatably mounted on the axle, and a substantially vertical link pivoted at its ends and connecting an eccentric point on said backing plate to the frame of said vehicle.

2,078,211
ADJUSTABLE CLOSURE CAP
Harold E. Williams, Carthage, Mo.
Application October 17, 1932, Serial No. 638,152
4 Claims. (Cl. 220—40)



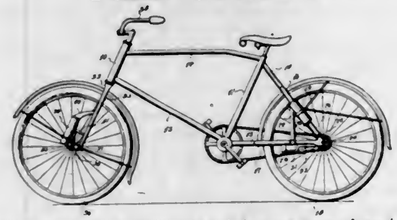
1. A closure of the bayonet lock type comprising a cap, a member having a slot and a neck engageable locking lug and pivoted concentric with said slot to the under side of said cap so as to be swung to positions in which said lug will be at different distances from the center of said cap, and a screw engaging said cap and extending through and movable lengthwise of said slot and adapted to bear on said member for releasably fastening said member in said positions independently of said pivotal connection.

2,078,212
GREASE FITTING AND METHOD OF FORMING SAME
John W. Leighton, Port Huron, Mich.
Application October 19, 1934, Serial No. 748,987
11 Claims. (Cl. 29—148)



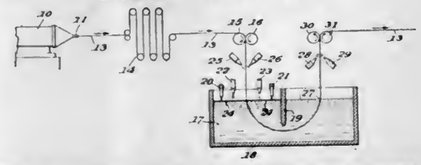
11. The method of inserting an initially concavo-convex Welch plug into an apertured element and simultaneously mounting a grease fitting in the plug, which comprises providing the plug with a central opening for the fitting, providing the fitting with an annular shoulder at one end and an annular recess adjacent said shoulder forming an inwardly facing annular shoulder on the wall of said element aperture, inserting the plug into the aperture of the element with the convex side of the plug innermost and with the fitting so disposed in the opening that the shoulder of the fitting is at the inner side of the plug and the plug recess is in the plane of the plug, and then flattening the plug by applying axial forces against both sides thereof and against the inner end of the fitting to cause the metal in the plug to move into the recess in the element and to cause the shoulder on the fitting to force the metal of the plug into the fitting recess.

2,078,213
CUSHIONING MEANS FOR BICYCLE FRAMES
Roy L. Martin, Tyler, Tex.
Application September 26, 1935, Serial No. 42,330
1 Claim. (Cl. 208—97)



In a bicycle, a bifurcated frame member to receive a wheel, a housing in each frame member, a second frame member having a bifurcated portion to receive the wheel, an arm connecting each housing with each last mentioned bifurcated portion, an arm pivotally secured to each bifurcated portion and providing a support for the wheel, an expansible spring mounted in each housing, plungers in the housings engaging the springs, rods pivotally secured to said arms and engaging the plungers, cushion springs mounted on the last mentioned bifurcated portions, and second arms extending from the first mentioned arms and engaging the cushion springs.

2,078,214
PROCESS OF MAKING COLORED SHEETS OF CELLULOSE ESTERS, SYNTHETIC RESINS, AND THE LIKE
Gustavus J. Esselen, Swampscott, and Jacob Lurie, Springfield, Mass., assignors to The Fiberloid Corporation, Indian Orchard, Mass., a corporation of Massachusetts
Application June 17, 1935, Serial No. 27,012
1 Claim. (Cl. 91—68)

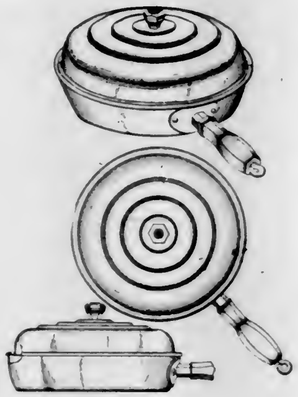


The improvement in the continuous process of making sheet stock from cellulose esters, synthetic resins and the like whereby a continuous web of said material is produced which comprises supplying to a bath a floating film of colored liquid capable of adhering to the web, feeding the web lineally through the film into the bath, thereby causing the floating film to adhere to both sides of the web, thereafter feeding the coated web out of the bath at the place where the bath is not covered with coating material and drying the coated web.

DESIGNS

APRIL 20, 1937

104,128
DESIGN FOR A CHICKEN FRYER OR SIMILAR ARTICLE
Nicholas Abrams, Chicago, Ill.
Application December 11, 1936, Serial No. 66,480
Term of patent 14 years



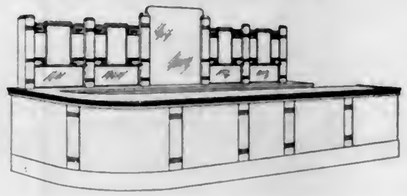
The ornamental design for a chicken fryer or similar article substantially as shown.

104,129
DESIGN FOR A CURTAIN FABRIC
Joseph Alexander, Woodmere Township, Nassau County, N. Y.
Application March 18, 1937, Serial No. 68,244
Term of patent 3½ years



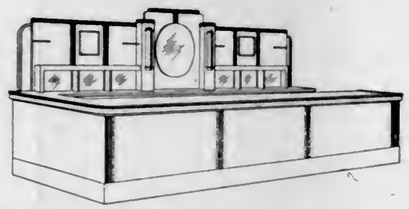
The ornamental design for a curtain fabric as shown.

104,130
DESIGN FOR A SERVICE BAR COUNTER
Giraud W. Behrel, Chicago, and Herbert Tyson, Oak Park, Ill., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application February 21, 1936, Serial No. 61,284
Term of patent 3½ years



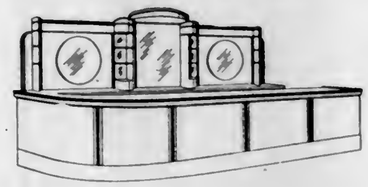
The ornamental design for a service bar counter as shown.

104,131
DESIGN FOR A SERVICE BAR COUNTER
Giraud W. Behrel, Chicago, and Herbert Tyson, Oak Park, Ill., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application February 21, 1936, Serial No. 61,285
Term of patent 3½ years



The ornamental design for a service bar counter as shown.

104,132
DESIGN FOR A SERVICE BAR COUNTER
Giraud W. Behrel, Chicago, and Herbert Tyson, Oak Park, Ill., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application February 21, 1936, Serial No. 61,286
Term of patent 3½ years



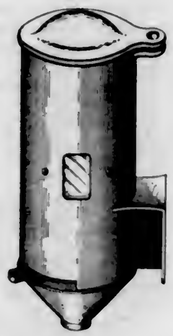
The ornamental design for a service bar counter as shown.

104,133
DESIGN FOR A TEXTILE FABRIC
Elsie J. Das, Honolulu, Territory of Hawaii, assignor to Watumull Brothers, a firm composed of Jhamondus Watumull, Gobindram J. Watumull, and Ramchand Watumull, and doing business as East India Store, Honolulu, Territory of Hawaii
Application January 4, 1937, Serial No. 66,378
Term of patent 3½ years



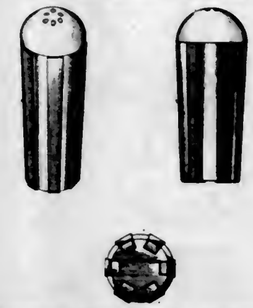
The ornamental design for a textile fabric, substantially as shown and described.

104,134
DESIGN FOR A TABLET DISPENSING MACHINE
Lawrence E. Dickson, Glencoe, Ill.
Application August 13, 1936, Serial No. 64,399
Term of patent 14 years



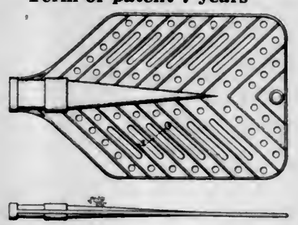
The ornamental design for a tablet dispensing machine, as shown.

104,135
DESIGN FOR A CONDIMENT SHAKER
Edwin W. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 25, 1937, Serial No. 67,852
Term of patent 14 years



The ornamental design for a condiment shaker substantially as shown.

104,136
DESIGN FOR A FLY SWATTER BLADE
Milton W. Gatch, Baltimore, Md., assignor to The Gatch Wire Goods Company, Baltimore, Md., a corporation of Maryland
Application February 10, 1937, Serial No. 67,569
Term of patent 7 years



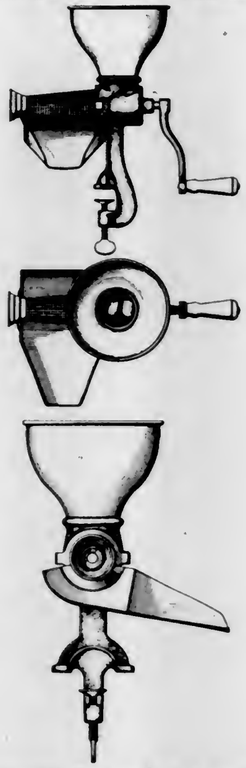
The ornamental design for a fly swatter blade, substantially as shown.

104,137
DESIGN FOR A CHILD'S PLAY TABLE
Emmons A. Goddard, Detroit, Mich.
Application February 26, 1937, Serial No. 67,878
Term of patent 14 years



The ornamental design for a child's play table as shown.

104,138
DESIGN FOR A COMBINED FRUIT AND VEGETABLE EXPRESSER AND STRAINER
Domenick A. Grandinetti, Syracuse, N. Y.
Application September 25, 1936, Serial No. 65,005
Term of patent 14 years



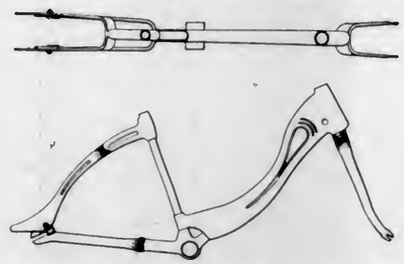
The ornamental design for a combined fruit and vegetable expresser and strainer, as shown.

104,139
DESIGN FOR A FINGER RING
John J. Gruen, South Orange, N. J., assignor to Moore & Son, Inc., Newark, N. J., a corporation of New Jersey
Application February 20. 1937, Serial No. 67,775
Term of patent 7 years



The ornamental design for a finger ring, as shown.

104,140
DESIGN FOR A BICYCLE FRAME
Harry H. Henry, Chicago, Ill., assignor to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois
Application November 2, 1936, Serial No. 65,653
Term of patent 14 years

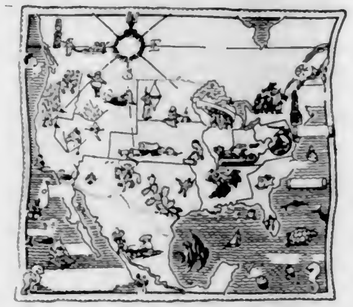


The ornamental design for a bicycle frame, as shown.

104,141
DESIGN FOR A BICYCLE FRAME
Harry H. Henry, Chicago, Ill., assignor to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois
Application November 2, 1936, Serial No. 65,654
Term of patent 14 years

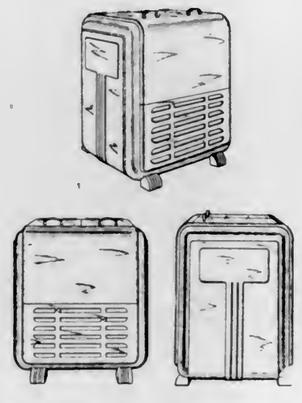
The ornamental design for a bicycle frame, as shown.

104,142
DESIGN FOR A SCARF
Fjeril Hess, New York, N. Y., assignor to Girl Scouts, (Incorporated), New York, N. Y., a corporation of District of Columbia
Application January 15, 1937, Serial No. 67,074
Term of patent 14 years



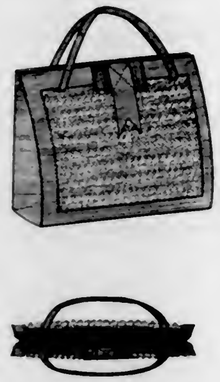
The ornamental design for a scarf, as shown.

104,143
DESIGN FOR A BEVERAGE COOLER CABINET
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application September 17, 1936, Serial No. 64,893
Term of patent 7 years



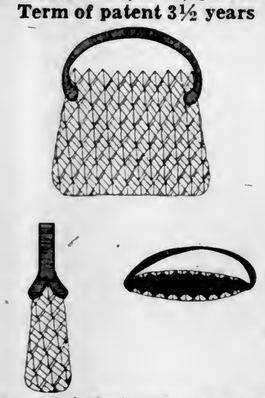
The ornamental design for a beverage cooler cabinet, substantially as shown.

104,144
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application March 24, 1937, Serial No. 68,381
Term of patent 3½ years



The ornamental design for a handbag substantially as shown.

104,145
DESIGN FOR A STRAW HANDBAG
David Lewis, New York, N. Y.
Application March 27, 1937, Serial No. 68,437
Term of patent 3½ years



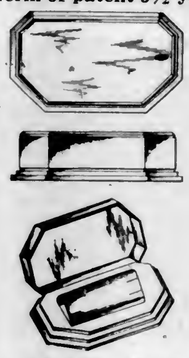
The ornamental design for a straw handbag substantially as shown.

104,146
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application March 12, 1937, Serial No. 68,134
Term of patent 14 years



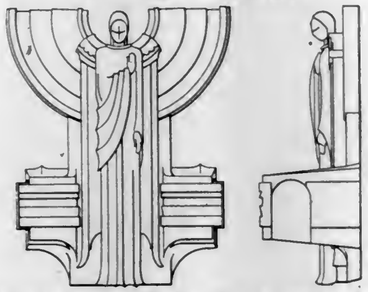
The ornamental design for a knitted fabric as shown.

104,147
DESIGN FOR A JEWELRY BOX
Reuben Parness, Brooklyn, and Sam Sweet, Bronx, N. Y.
Application January 31, 1936, Serial No. 60,936
Term of patent 3½ years



The ornamental design for a jewelry box, as shown and described.

104,148
DESIGN FOR A CASKET HANDLE BRACKET
Robert L. Randall, Indianapolis, Ind., assignor to Mortuary Supply Co., Inc., Indianapolis, Ind., a corporation
Application August 17, 1936, Serial No. 64,435
Term of patent 7 years



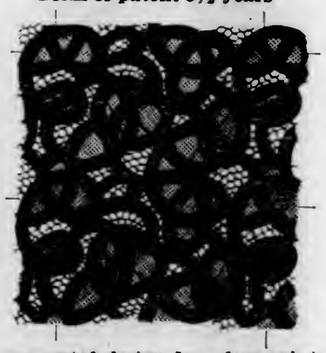
The ornamental design for a casket handle bracket, as shown.

104,149
DESIGN FOR A TIRE
Kimball D. Smith, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 10, 1937, Serial No. 67,560
Term of patent 14 years



The ornamental design for a tire as shown.

104,150
DESIGN FOR A LACE
Max Solomon, New York, N. Y.
Application November 19, 1936, Serial No. 66,014
Term of patent 3½ years



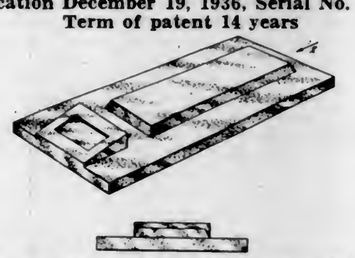
The ornamental design for a lace substantially as shown and described.

104,151
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Jesse Stam, Cambridge, Mass., assignor to Fairclough & Gold, Inc., Boston, Mass., a corporation of Massachusetts
Application February 8, 1937, Serial No. 67,499
Term of patent 3½ years



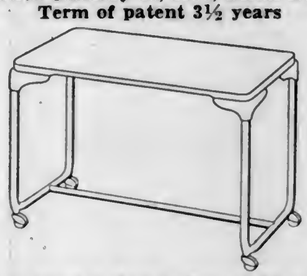
The ornamental design for a textile fabric or similar article, as shown.

104,152
DESIGN FOR A COMBINED GRAVE PROTECTOR AND MARKER
August M. Taylor, Fort Collins, Colo.
Application December 19, 1936, Serial No. 66,657
Term of patent 14 years



The ornamental design for a combined grave protector and marker, as shown.

104,153
DESIGN FOR A TABLE OR SIMILAR ARTICLE
Lawrence H. Wilson, Grosse Pointe, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application January 18, 1936, Serial No. 60,602
Term of patent 3½ years



The ornamental design for a table or similar article substantially as shown.

104,154
DESIGN FOR A POSTURE CHAIR
Niels Yde Andersen, Kenmore, N. Y., assignor to Remington Rand, Inc., Buffalo, N. Y.
Application January 28, 1937, Serial No. 67,323
Term of patent 7 years



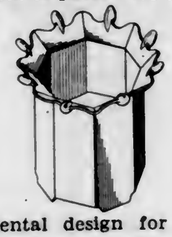
The ornamental design for a posture chair, as shown.

104,155
DESIGN FOR A SPARKLER HOLDER
Edwin V. Babbitt, Marion, Mass., assignor to National Fireworks, Inc., West Hanover, Mass., a corporation of Massachusetts
Application January 9, 1937, Serial No. 66,986
Term of patent 14 years



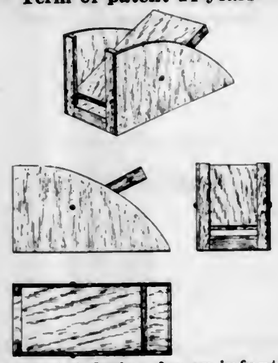
The ornamental design for a sparkler holder as shown.

104,156
DESIGN FOR AN ASHTRAY
Hymen A. Blanchard, Buffalo, N. Y.
Application January 30, 1937, Serial No. 67,352
Term of patent 3½ years



The ornamental design for an ashtray, as shown.

104,157
DESIGN FOR INFANT'S FEEDING BOTTLE HOLDER
Harold J. Edwards, Kansas City, Mo.
Application March 15, 1937, Serial No. 68,168
Term of patent 14 years



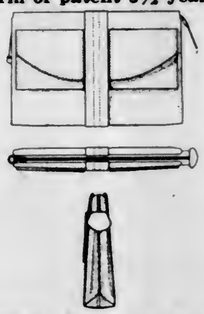
The ornamental design for an infant's feeding-bottle holder substantially as shown.

104,158
DESIGN FOR A COFFEE MAKER
Simon W. Farber, Brooklyn, N. Y.
Application February 27, 1937, Serial No. 67,892
Term of patent 14 years



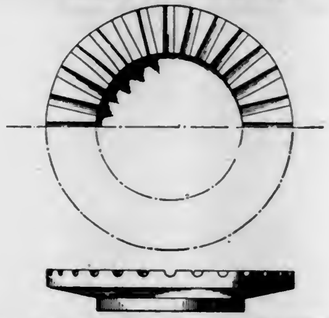
The ornamental design for a coffee maker, as shown.

104,159
DESIGN FOR A POCKETBOOK
Henri Felmann, Chicago, Ill., assignor to Morris, Mann & Reilly, Inc., Chicago, Ill., a corporation of Illinois
Application March 15, 1937, Serial No. 68,169
Term of patent 3½ years



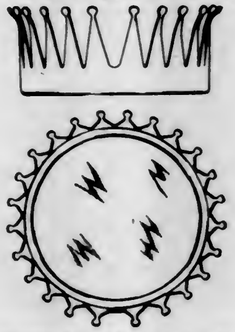
The ornamental design for a pocketbook as shown.

104,160
DESIGN FOR A CIGARETTE ASHTRAY
Eusebio Gordones, San Francisco, Calif.
Application March 9, 1937, Serial No. 68,089
Term of patent 7 years



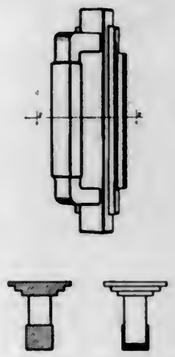
The ornamental design for a cigarette ashtray, as shown and described.

104,161
DESIGN FOR AN ASHTRAY
Florence Rose Green, London, England
Application September 30, 1936, Serial No. 65,079
Term of patent 7 years



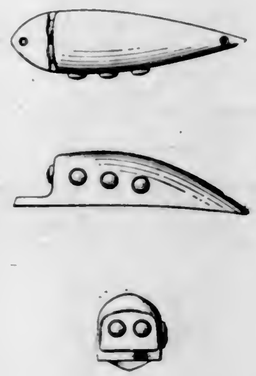
The ornamental design for an ashtray, as shown.

104,162
DESIGN FOR A REFRIGERATOR DOOR HANDLE
George J. Hopkins, Kendallville, Ind., assignor to McCray Refrigerator Company, Kendallville, Ind., a corporation of Indiana
Application February 18, 1937, Serial No. 67,729
Term of patent 7 years



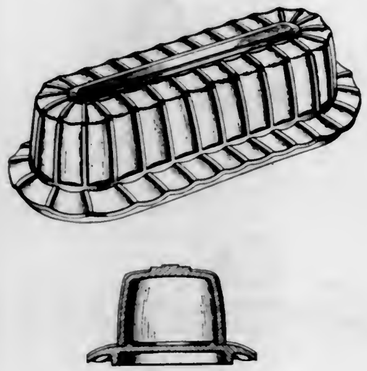
The ornamental design for a refrigerator door handle, as shown and described.

104,163
DESIGN FOR A FENDER LAMP
John S. Hubbard, San Francisco, Calif.
Application February 23, 1937, Serial No. 67,806
Term of patent 7 years



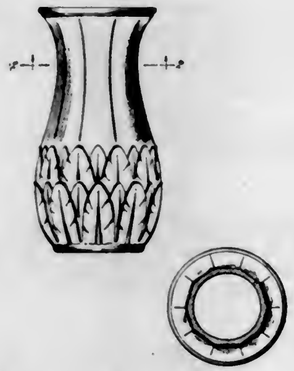
The ornamental design for a fender lamp, as shown.

104,164
DESIGN FOR A BUTTER DISH
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 25, 1937, Serial No. 67,853
Term of patent 7 years



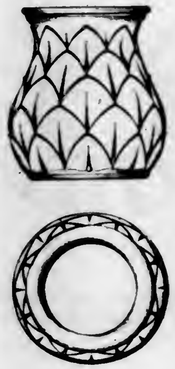
The ornamental design for a butter dish, substantially as shown.

104,165
DESIGN FOR A VASE
Arnold I. Lorenzen and Michael S. Desser, Toledo, Ohio, assignors to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 25, 1937. Serial No. 67,854
Term of patent 14 years



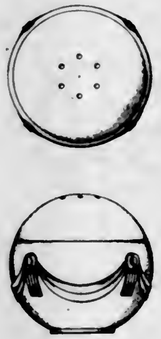
The ornamental design for a vase, substantially as shown.

104,166
DESIGN FOR A VASE
Arnold I. Lorenzen and Michael S. Desser, Toledo, Ohio, assignors to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 25, 1937, Serial No. 67,855
Term of patent 14 years



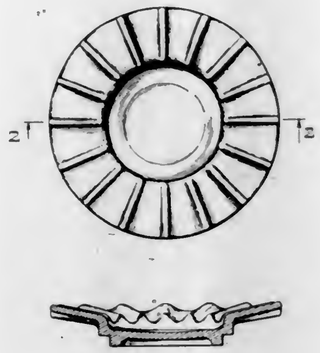
The ornamental design for a vase substantially as shown.

104,167
DESIGN FOR A CONDIMENT SHAKER
William E. Mackelfresh, Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 23, 1937, Serial No. 67,798
Term of patent 14 years



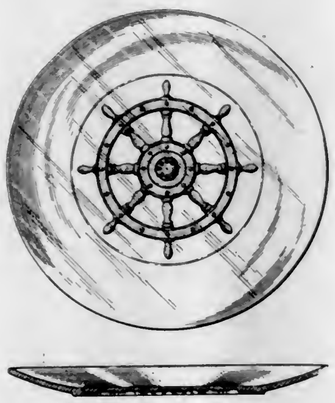
The ornamental design for a condiment shaker substantially as shown.

104,168
DESIGN FOR AN ASHTRAY
William E. Mackelfresh, Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 23, 1937, Serial No. 67,799
Term of patent 14 years



The ornamental design for an ashtray substantially as shown.

104,169
DESIGN FOR A GLASS PLATE OR SIMILAR ARTICLE
Robert A. May, Washington, Pa., assignor to Duncan & Miller Glass Company, Washington, Pa., a corporation of Pennsylvania
Application October 10, 1936. Serial No. 65,248
Term of patent 3½ years



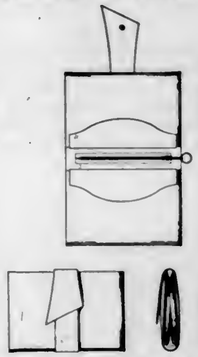
The ornamental design for a glass plate or similar article substantially as shown and described.

104,170
DESIGN FOR A COMBINED LAMP AND COSMETIC CONTAINER
William Minkin, Brooklyn, N. Y.
Application July 18, 1936, Serial No. 63,926
Term of patent 3½ years



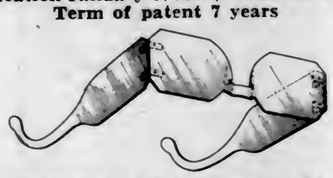
The ornamental design for a combined lamp and cosmetic container, as shown and described.

104,171
DESIGN FOR A POCKETBOOK
Harry Morris, Chicago, Ill., assignor to Morris, Mann & Reilly, Inc., Chicago, Ill., a corporation of Illinois
Application March 8, 1937. Serial No. 68,073
Term of patent 3½ years



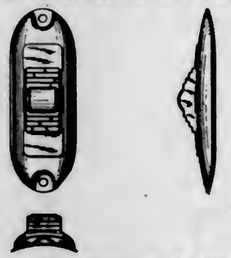
The ornamental design for a pocketbook as shown and described.

104,172
DESIGN FOR SUNGLASSES
Frances A. Rentchler, Mamaroneck, N. Y.
Application January 9, 1937, Serial No. 66,967
Term of patent 7 years



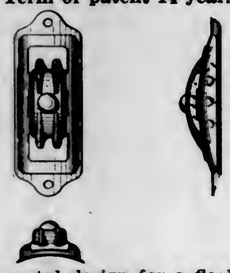
The ornamental design for sunglasses, as shown and described.

104,173
DESIGN FOR A FLASHLIGHT SWITCH
Donald L. Spender, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application November 21, 1936, Serial No. 66,053
Term of patent 14 years



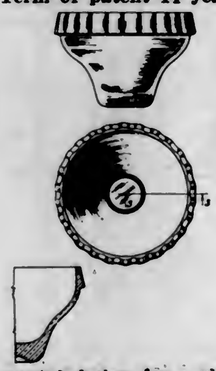
The ornamental design for a flashlight switch substantially as shown.

104,174
DESIGN FOR A FLASHLIGHT SWITCH
Emerson H. Tompkins, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application November 21, 1936, Serial No. 66,052
Term of patent 14 years



The ornamental design for a flashlight switch substantially as shown.

104,175
DESIGN FOR A GLASS LINER FOR A COMPORT OR SIMILAR ARTICLE
Clyde S. Whipple, Los Angeles, Calif.
Application February 24, 1937, Serial No. 67,822
Term of patent 14 years



The ornamental design for a glass liner for a comport or similar article, as shown.

104,176
DESIGN FOR A GLASS LINER FOR A COMPORT OR SIMILAR ARTICLE
Clyde S. Whipple, Los Angeles, Calif.
Application February 24, 1937, Serial No. 67,823
Term of patent 14 years



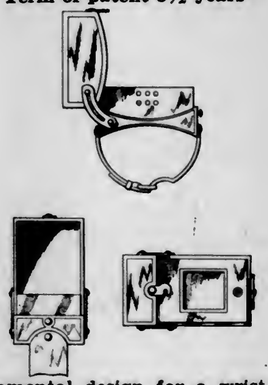
The ornamental design for a glass liner for a comport or similar article, as shown.

104,177
DESIGN FOR A FRESNEL LENS
Franklin C. Williams, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application September 24, 1936, Serial No. 64,997
Term of patent 14 years



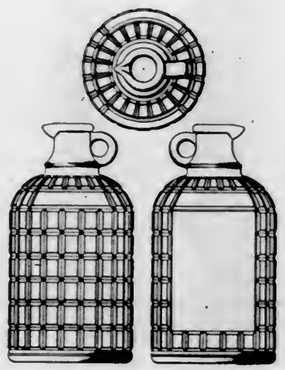
The ornamental design for a Fresnel lens, as shown.

104,178
DESIGN FOR A WRIST CIGARETTE LIGHTER CASING
Norwood Anderson, Chester, N. Y.
Application November 21, 1936, Serial No. 66,083
Term of patent 3½ years



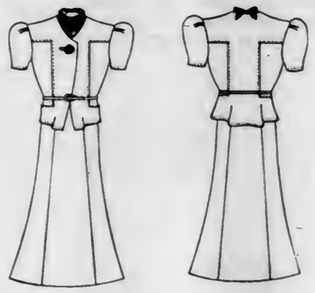
The ornamental design for a wrist cigarette lighter casing as shown and described.

104,179
DESIGN FOR A JUG
Sol K. Berk, Brookline, Mass.
Application August 13, 1936, Serial No. 64,388
Term of patent 3½ years



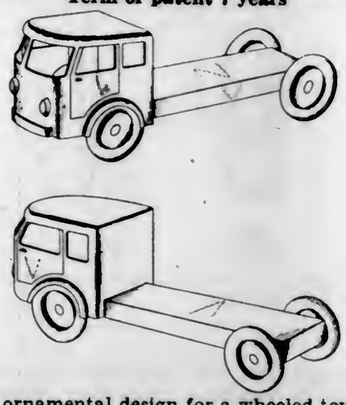
The ornamental design for a jug substantially as shown.

104,180
DESIGN FOR A DRESS
Helen Berry, New York, N. Y.
Application March 24, 1937, Serial No. 68,370
Term of patent 3½ years



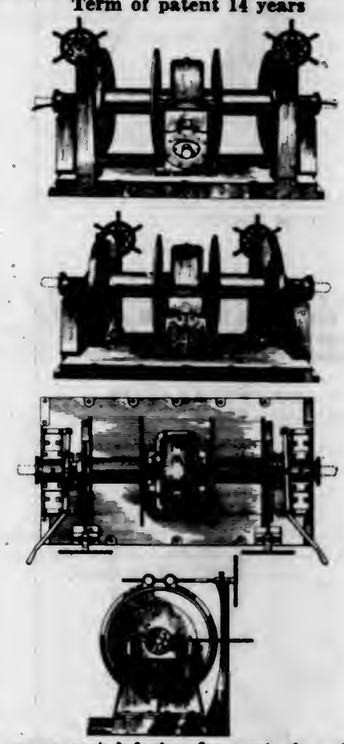
The ornamental design for a dress substantially as shown.

104,181
DESIGN FOR A WHEELED TOY CHASSIS
William Borios, Buffalo, N. Y., assignor to Master Metal Products, Inc., Buffalo, N. Y., a corporation of New York
Application February 5, 1937, Serial No. 67,474
Term of patent 7 years



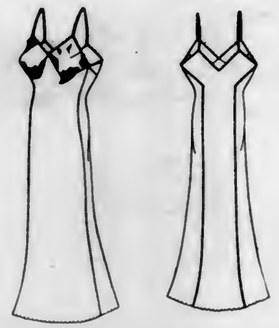
The ornamental design for a wheeled toy chassis, substantially as shown.

104,182
DESIGN FOR A WINCH OR THE LIKE
Isidore Bromfield, Brookline, Mass.
Application July 31, 1936, Serial No. 64,156
Term of patent 14 years



The ornamental design for a winch or the like, substantially as shown.

104,183
DESIGN FOR A SLIP
Harry Cohen, New York, N. Y.
Application March 10, 1937, Serial No. 68,097
Term of patent 3½ years



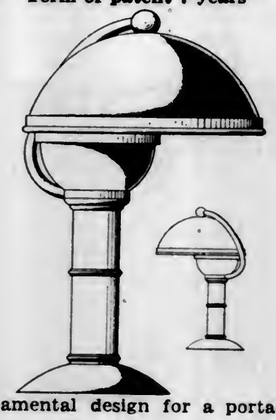
The ornamental design for a slip substantially as shown and described.

104,184
DESIGN FOR A COMBINATION EYE CUP BASE AND COVER
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application February 5, 1937, Serial No. 67,478
Term of patent 14 years



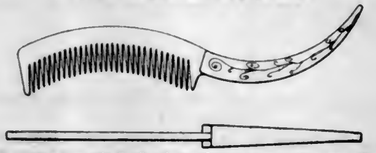
The ornamental design for a combination eye cup base and cover as shown and described.

104,185
DESIGN FOR A PORTABLE LAMP
Abner Fleetwood Henry Davis, Los Angeles, Calif., assignor to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application December 10, 1936, Serial No. 66,413
Term of patent 7 years



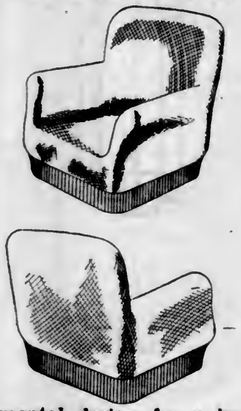
The ornamental design for a portable lamp, as shown.

104,186
DESIGN FOR A COMB
Berta Festner, Chandler, Ariz.
Application August 29, 1936, Serial No. 64,634
Term of patent 3½ years



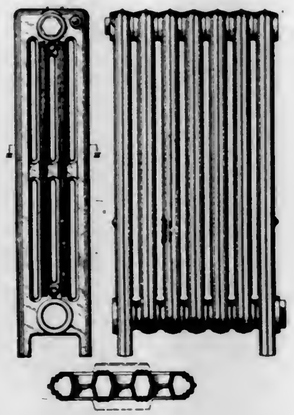
The ornamental design for a comb, as shown.

104,187
DESIGN FOR A KNITTED REUPHOLSTERING ENVELOPE
Walter L. Fry, Bloomfield Hills, Mich.
Application January 9, 1937, Serial No. 66,969
Term of patent 14 years



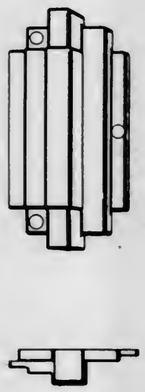
The ornamental design for a knitted reupholstering envelope as shown.

104,188
DESIGN FOR A MULTIPLE COLUMN RADIATOR
Lurelle A. V. Guild, Darien, Conn., assignor to National Radiator Corporation, Johnstown, Pa., a corporation of Maryland
Application February 19, 1937, Serial No. 67,748
Term of patent 14 years



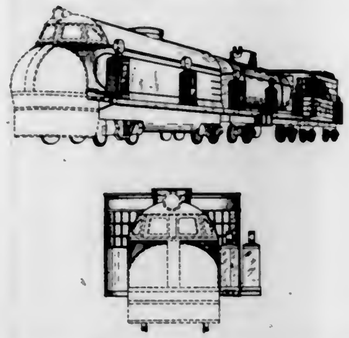
The ornamental design for a multiple column radiator, as shown.

104,189
DESIGN FOR A REFRIGERATOR DOOR HINGE
George J. Hopkins, Kendallville, Ind., assignor to McCray Refrigerator Company, Kendallville, Ind., a corporation of Indiana
Application February 18, 1937, Serial No. 67,728
Term of patent 7 years



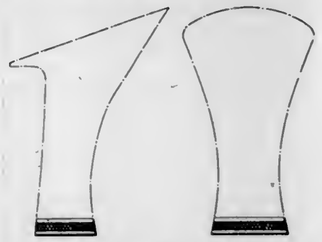
The ornamental design for a refrigerator door hinge, as shown and described.

104,190
DESIGN FOR A PORTABLE GAS STATION
Eugene E. Johnston, Buffalo, N. Y., assignor to Tank Car Stations, Inc., Buffalo, N. Y., a corporation of New York
Application October 12, 1936, Serial No. 65,278
Term of patent 14 years



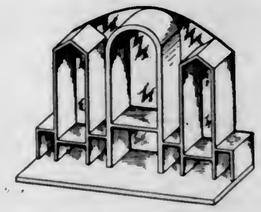
The ornamental design for a portable gas station, substantially as shown and described.

104,191
DESIGN FOR A SHOE HEEL
John Thomas Kershaw, Bradford, Mass., assignor to New England Wood Heel Company, Haverhill, Mass., a corporation of Massachusetts
Application October 16, 1935, Serial No. 59,019
Term of patent 7 years



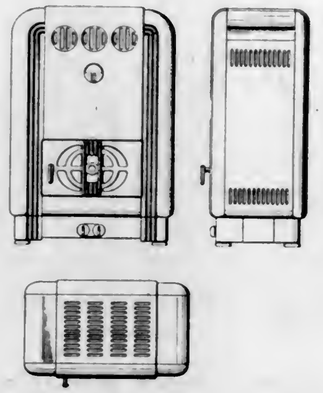
The ornamental design for a shoe heel, substantially as shown and described.

104,192
DESIGN FOR A PORTABLE SERVICE BAR
Joseph J. Kopacka, Greensburg, Pa.
Application February 19, 1937, Serial No. 67,749
Term of patent 3½ years



The ornamental design for a portable service bar, as shown.

104,193
DESIGN FOR A SPACE HEATER
Ralph E. Kruck, Springfield, Mass., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application March 4, 1937, Serial No. 67,980
Term of patent 3½ years



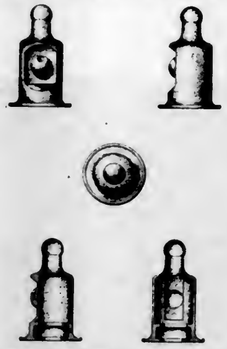
The ornamental design for a space heater, substantially as shown and described.

104,194
DESIGN FOR A CANDLESTICK
William F. Liska, Chicago, Ill., assignor to Holland Brass Works, Incorporated, Chicago, Ill., a corporation of Illinois
Application February 20, 1937, Serial No. 67,915
Term of patent 7 years



The ornamental design for a candle stick, as shown.

104,195
DESIGN FOR A NURSING NIPPLE
Frank Maccoy, Detroit, Mich., assignor to The Cilocon Corporation, Detroit, Mich., a corporation of Michigan
Application March 5, 1937, Serial No. 68,010
Term of patent 14 years



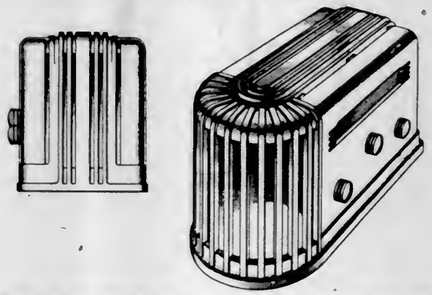
The ornamental design for a nursing nipple as shown.

104,196
DESIGN FOR A REVOLVING CLOCK
Ralph Magro, Jersey City, N. J.
Application February 16, 1937, Serial No. 67,680
Term of patent 3½ years



The ornamental design for a revolving clock, as shown.

104,197
DESIGN FOR A RADIO RECEIVER CABINET
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 24, 1937, Serial No. 67,826
Term of patent 7 years



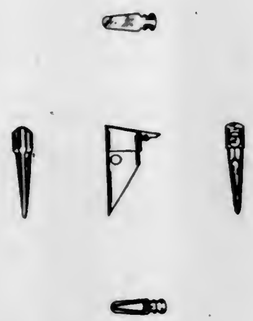
The ornamental design for a radio receiver cabinet, as shown and described.

104,198
DESIGN FOR A TEXTILE FABRIC
Milton Morris, New York, N. Y.
Application March 24, 1937, Serial No. 68,369
Term of patent 3½ years



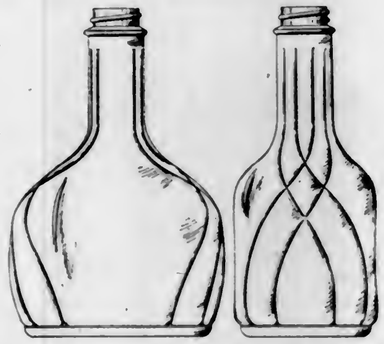
The ornamental design for a textile fabric, substantially as shown, and described.

104,199
DESIGN FOR A COMBINED SPOUT AND CLOSURE FOR CONTAINERS
Byron M. Schmuhl, Centerline, Mich.
Application December 7, 1936, Serial No. 66,371
Term of patent 7 years



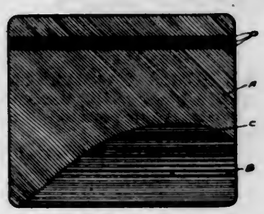
The ornamental design for a combined spout and closure for containers.

104,200
DESIGN FOR A DECANTER
George Smith, Jr., Olean, N. Y., assignor to Olean Glass Company, New York, N. Y., a corporation of New York
Application March 10, 1937, Serial No. 68,091
Term of patent 7 years



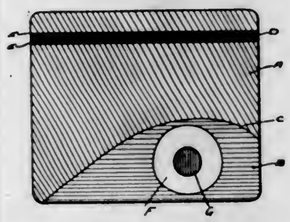
The ornamental design for a decanter as shown and described.

104,201
DESIGN FOR A COLOR DISPLAY PANEL
Carleton B. Spencer, Royal Oak, Mich., assignor to Ditzler Color Company, a corporation of Michigan
Application December 5, 1936, Serial No. 66,333
Term of patent 14 years



The ornamental design for a color display panel as shown and described.

104,202
DESIGN FOR A DISPLAY PANEL FOR COLOR COMBINATIONS
Carleton B. Spencer, Royal Oak, Mich., assignor to Ditzler Color Company, a corporation of Michigan
Application December 5, 1936, Serial No. 66,335
Term of patent 14 years



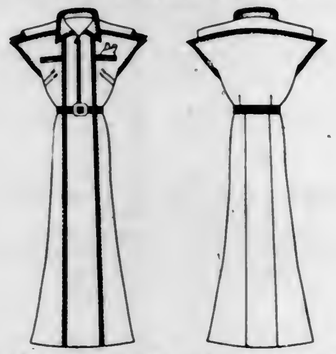
The ornamental design for a display panel for color combinations, as shown and described.

104,203
DESIGN FOR A DRESS
Helen Berry, New York, N. Y.
Application March 24, 1937, Serial No. 68,371
Term of patent 3½ years



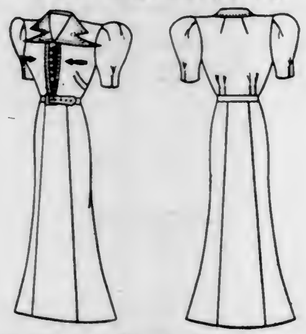
The ornamental design for a dress substantially as shown.

104,204
DESIGN FOR A DRESS
Helen Berry, New York, N. Y.
Application March 24, 1937, Serial No. 68,374
Term of patent 3½ years



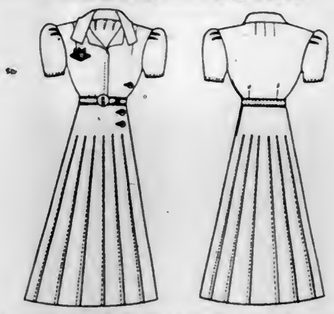
The ornamental design for a dress substantially as shown.

104,205
DESIGN FOR A DRESS
Helen Berry, New York, N. Y.
Application March 24, 1937, Serial No. 68,375
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

104,206
DESIGN FOR A DRESS
Helen Berry, New York, N. Y.
Application March 24, 1937, Serial No. 68,376
Term of patent 3½ years



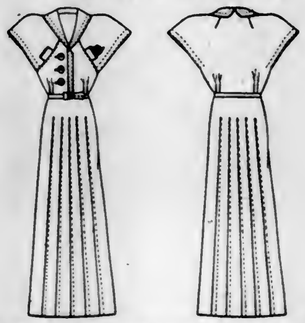
The ornamental design for a dress substantially as shown.

104,207
DESIGN FOR A DRESS
Helen Berry, New York, N. Y.
Application March 24, 1937, Serial No. 68,377
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

104,208
DESIGN FOR A DRESS
Helen Berry, New York, N. Y.
Application March 24, 1937, Serial No. 68,378
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

104,209
DESIGN FOR A LACE
Jean Dognin, New York, N. Y.
Application March 27, 1937, Serial No. 68,435
Term of patent 3½ years



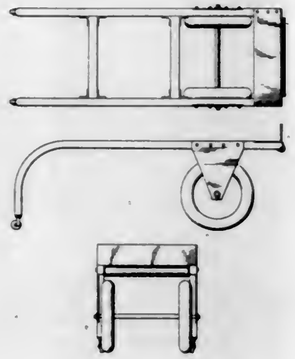
The ornamental design for a lace substantially as shown and described.

104,210
DESIGN FOR A LACE
Jean Dognin, New York, N. Y.
Application March 27, 1937, Serial No. 68,436
Term of patent 3½ years



The ornamental design for a lace substantially as shown and described.

104,211
DESIGN FOR A HAND TRUCK
James H. Estus, Newport Beach, Calif.
Application May 6, 1936, Serial No. 62,516
Term of patent 14 years



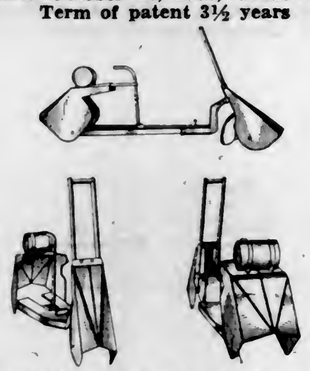
The ornamental design for a hand truck as shown.

104,212
DESIGN FOR A HEAD LAMP FOR AUTOMOBILES
Nellie M. Gage, Dayton, Ohio
Application February 23, 1937, Serial No. 67,816
Term of patent 14 years



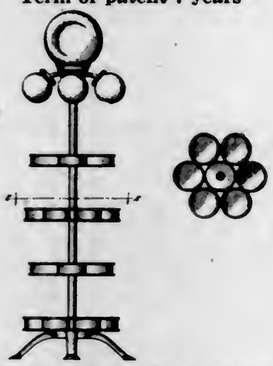
The ornamental design for a head lamp for automobiles, as shown and described.

104,213
DESIGN FOR A MOTORCYCLE BODY
Samuel J. Ginnis, Chicago, Ill., assignor of one-half to Marcus Lipsky, Chicago, Ill.
Application October 17, 1936, Serial No. 65,335
Term of patent 3½ years



The ornamental design for a motorcycle body, substantially as shown.

104,214
DESIGN FOR A LUBRICANT DISPLAY HOLDER
Mustafa I. Hakky, Glendale, R. I.
Application February 16, 1937, Serial No. 67,689
Term of patent 7 years



The ornamental design for a lubricant display holder, substantially as shown.

104,215
DESIGN FOR AN ELECTRIC SWITCH HANDLE OR THE LIKE
John L. Hawkinson, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application February 11, 1937, Serial No. 67,597
Term of patent 7 years



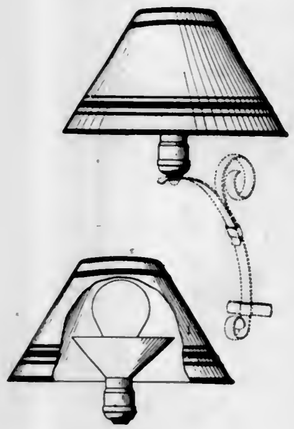
The ornamental design for an electric switch handle or the like, as shown.

104,216
DESIGN FOR A TEXTILE FABRIC
John H. Huelat, New York, N. Y.
Application March 27, 1937, Serial No. 68,420
Term of patent 3½ years



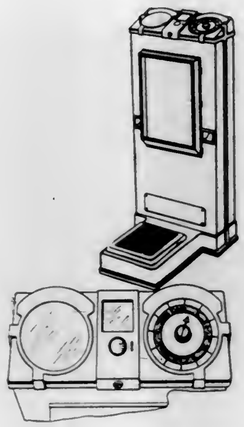
The ornamental design for a textile fabric, substantially as shown.

104,217
DESIGN FOR A LIGHTING FIXTURE
Edward Kanter, Cleveland Heights, Ohio
Application July 24, 1936, Serial No. 64,028
Term of patent 7 years



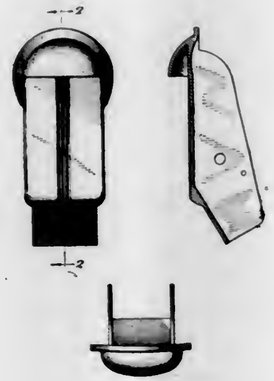
The ornamental design for a lighting fixture, substantially as shown and described.

104,218
DESIGN FOR A PLATFORM SCALE
Claude R. Kirk, River Forest, Ill.
Application March 25, 1937, Serial No. 68,405
Term of patent 14 years



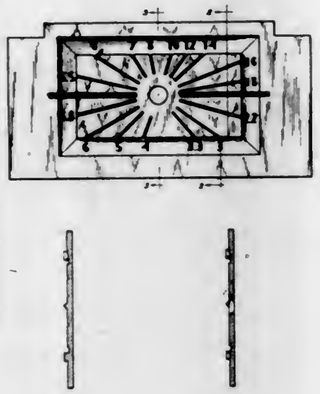
The ornamental design for a platform scale, as shown.

104,219
DESIGN FOR A DRAIN SPOUT FOR WASHING MACHINE OR SIMILAR ARTICLE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 12, 1937, Serial No. 67,623
Term of patent 7 years



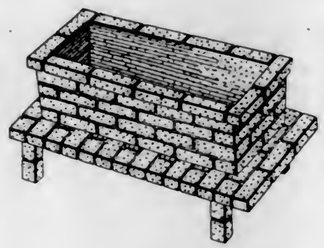
The ornamental design for a drain spout for washing machine or similar article, as shown.

104,220
DESIGN FOR A RADIO RECEIVER DIAL
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 1, 1937, Serial No. 67,919
Term of patent 7 years



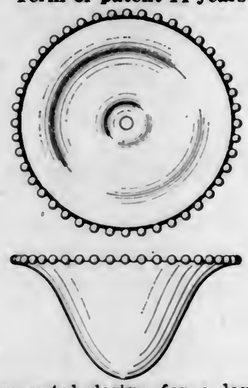
The ornamental design for a radio receiver dial, as shown.

104,221
DESIGN FOR A COMBINED FLOWERPOT AND STAND OR SIMILAR ARTICLE
Jacob S. Miller and Joe Tyson, Washington, D. C.
Application December 23, 1936, Serial No. 66,716
Term of patent 14 years



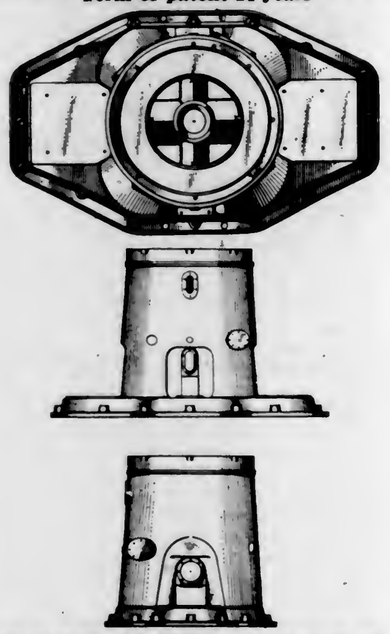
The ornamental design for a combined flowerpot and stand or similar article, as shown.

104,222
DESIGN FOR A LAMP SHADE OR SIMILAR ARTICLE
Earl W. Newton, Chicago, Ill., assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application August 6, 1936, Serial No. 64,278
Term of patent 14 years



The ornamental design for a lamp shade or similar article substantially as shown.

104,223
DESIGN FOR A COMBINATION CENTRIFUGAL SEPARATING MACHINE CASING AND BASE
Joseph S. Pecker, Philadelphia, Pa., assignor to American Centrifugal Corporation, New York, N. Y., a corporation of Delaware
Application February 2, 1937, Serial No. 67,410
Term of patent 14 years



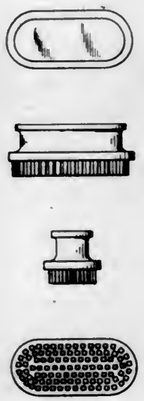
The ornamental design for a combination centrifugal separating machine casing and base as shown and described.

104,224
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Charles F. Scholle, New York, N. Y.
Application April 1, 1937, Serial No. 68,506
Term of patent 3½ years



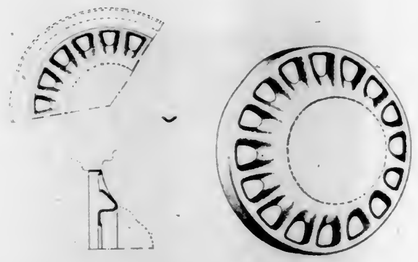
The ornamental design for a printed textile fabric or similar article as shown.

104,225
DESIGN FOR A BRUSH
Paul C. Scott, Omaha, Nebr.
Application August 25, 1936, Serial No. 64,565
Term of patent 14 years



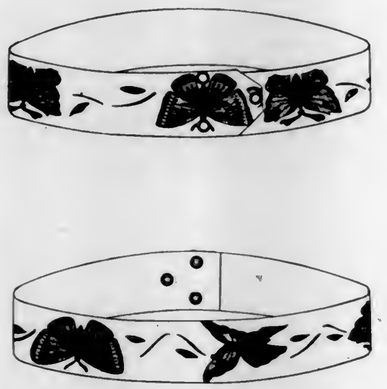
The ornamental design for a brush as shown.

104,226
DESIGN FOR A WHEEL
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application May 21, 1934, Serial No. 51,884
Term of patent 14 years



The ornamental design for a wheel substantially as shown and described.

104,227
DESIGN FOR A BELT OR SIMILAR ARTICLE
Jack Singer, Brooklyn, N. Y.
Application March 3, 1937, Serial No. 67,958
Term of patent 3½ years



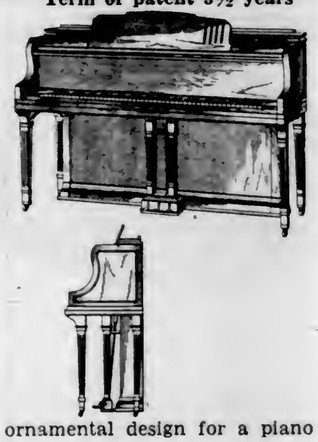
The ornamental design for a belt or similar article substantially as shown.

104,228
DESIGN FOR A PIANO CASE
Peter Van Dommelen, Holland, Mich., assignor to Gulbransen Company, Chicago, Ill., a corporation of Illinois
Application August 28, 1936, Serial No. 64,612
Term of patent 3½ years



The ornamental design for a piano case, as shown.

104,229
DESIGN FOR A PIANO CASE
Samuel E. Zack, Chicago, Ill., assignor to Gulbransen Company, Chicago, Ill., a corporation of Illinois
Application August 22, 1936, Serial No. 64,518
Term of patent 3½ years



The ornamental design for a piano case, as shown.

Patents Nos. 2,078,215 to 2,078,919

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April 27, 1937

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Prints	3	No. 16,167 to No.	16,169,	inclusive.
Reissues	7	No. 20,339 to No.	20,345,	inclusive.
Patents	705	No. 2,078,215 to No.	2,078,919,	inclusive.
Designs	106	No. 104,230 to No.	104,335,	inclusive.
Total	1,100			

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,901,631, R. W. Carlisle and R. W. Nye, Diaphragm, decided March 31, 1937, claim 7.

Pat. 1,947,362, H. E. Schoenhut, Diaphragm, decided March 31, 1937, claim 1.

Pat. 1,987,552, Giacomo Fauser, Process for the preparation of ammonium nitrate, decided March 1, 1937, claims 2 and 6.

Pat. 1,993,892, Joseph Motycka, Measuring device for pantograph engraving machine, decided March 29, 1937, claims 2 and 3.

Pat. 2,000,785, A. H. Nellen and F. Leopold, Jr., Vehicle tire, decided March 27, 1936, claim 1.

Pat. 2,031,491, J. T. Lancaster, Shoe attaching apparatus, decided March 29, 1937, claims 1 and 16.

Changes in Classification

Order No. 3,390, April 7, 1937, directs:

In *class 247, Electrical Conduits and Housings* (Division 52), abolish the following subclass with its definition and the note thereto:

Conduits
30 Chains.

The patents formerly contained in this subclass have been placed for the most part in class 59, Chain, Staple, and Horseshoe Making, subclass 78.1, established in this order.

In *class 59, Chain, Staple, and Horseshoe Making* (Division 57), establish the following subclass and definition:

Chains
78.1 Conduit

78.1. Chains, generally used for supporting chandeliers or the like, in which the links are provided with grooves, openings, or passageways for receiving electric conductors or for providing a conduit for gas or other fluid. The chain may be provided with end fittings such as nipples, hooks, eyes, etc., for attaching the chain to a fixed object or for attaching an article to the chain. The mere recital, broadly, in the claims of electric conductors does not operate to exclude a patent which would otherwise be classified herein.

(1) Note.—For sectional conduits made up of sections which do not constitute "chain" links, see class 138, PIPES AND TUBULAR CONDUITS, subclass 47, and indented subclasses, especially subclass 52.

(2) Note.—For chandelier supports in general, see class 248, SUPPORTS, subclass 317, and indented subclasses, and notes thereto.

The patents contained in this subclass have been taken for the most part from class 247, Electrical Conduits and Housings, subclass 30, abolished in this order.

In *class 138, Pipes and Tubular Conduits* (Division 52), after the definition of subclass 52, number the existing note as (1) and add the following note:

(2) Note.—For pipes of which the sections constitute chain links, see class 59, CHAIN, STAPLE, AND HORSESHOE MAKING, subclass 78.1.

In *class 248, Supports* (Division 52), after the definition of subclass 317, add the following note:

(8) Note.—Where the support consists merely of a chain or sections thereof, see class 59, CHAIN, STAPLE, AND HORSESHOE MAKING, subclass 78, and indented subclasses, especially subclass 78.1.

Amendments to Amendments

RULE 74. When an amendatory clause is amended, it must be wholly rewritten, so that no interlineation or erasure shall appear in the clause, as finally amended, when the application is passed to issue. If the number or nature of the amendments shall render it otherwise difficult to consider the case or to arrange the papers for printing or copying, the Examiner or Commissioner may require the entire specification to be rewritten.

Condition of Applications Under Examination at Close of Business April 10, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 37,589; Trade-Mark Division, 1,776. Oldest new case, Oct. 24, 1936; oldest amended, Oct. 3, 1936.)
(The dates given are 1937 except where † indicates 1936)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting action	Oldest amended application awaiting action	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	†Dec. 8	Jan. 27	444
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	†Nov. 17	†Nov. 21	743
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Jan. 12	Jan. 12	471
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	†Dec. 3	†Dec. 4	599
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Jan. 14	Jan. 15	474
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	†Dec. 16	†Dec. 10	720
5725	7. JARBOE, C. G., Optics; Photography	Jan. 13	Jan. 14	872
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Jan. 8	Jan. 14	526
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Jan. 13	†Dec. 28	474
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Jan. 16	Jan. 22	392
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Jan. 11	Jan. 11	436
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	†Nov. 13	†Dec. 12	675
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 18	Jan. 18	498
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Jan. 5	Jan. 5	638
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Jan. 5	Jan. 5	959
5612	16. SPENCER, C. J., Telegraphy; Telephony	†Dec. 14	†Dec. 14	637
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 14	Jan. 16	538
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Dec. 10	†Dec. 10	499
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	†Dec. 19	†Dec. 12	701
6605	20. BROWN, L. M. (Act.), Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Jan. 7	Jan. 7	478
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Jan. 11	Jan. 12	620
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 14	Jan. 14	578
7624	23. BUTTNER, W. J. (Act.), Registers (part)	†Oct. 24	†Oct. 3	214
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters, Sewing Machines	Jan. 22	Jan. 22	550
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Jan. 10	Jan. 11	527
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Jan. 21	Jan. 15	455
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	†Oct. 31	†Nov. 3	776
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Jan. 14	Jan. 27	262
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Jan. 19	Jan. 16	466
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Dec. 3	†Dec. 2	781
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Jan. 21	Jan. 15	425
4086	32. LESH, KARL (Act.), Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Jan. 11	Jan. 12	471
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Jan. 23	Jan. 18	621
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Jan. 23	Jan. 29	305
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	†Nov. 28	†Nov. 27	652
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Jan. 26	Jan. 26	268
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	†Dec. 5	†Dec. 2	745
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Jan. 11	Jan. 12	448
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	†Dec. 29	†Dec. 22	463
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	†Dec. 2	†Dec. 2	1168
6082	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	†Nov. 14	†Nov. 23	428
5882	42. CUTTING, H. O., Electric Signaling	Jan. 12	Jan. 14	422
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Jan. 11	Jan. 11	604
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	†Dec. 11	†Dec. 10	650
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Nov. 25	†Nov. 25	716
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Jan. 7	Jan. 16	396
7600	47. BARKER, H., Clutches; Brakes	Jan. 21	Feb. 1	439
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Jan. 13	Jan. 11	535
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Jan. 16	Jan. 15	458
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Jan. 10	Jan. 10	601
5628	51. BACKUS, C. D., Radiant Energy	Jan. 5	Jan. 5	727
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Jan. 16	Jan. 15	562
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	†Nov. 23	†Nov. 24	1013
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Feb. 8	Feb. 8	369
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Nov. 4	†Nov. 16	910
4725	56. CHANDLER, O. V. (Act.), Electrochemistry; Laminated Fabrics; Paper Making	†Dec. 28	†Dec. 21	804
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	†Nov. 22	†Dec. 5	636
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 6	Jan. 27	348
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Jan. 21	Jan. 21	499
5896	60. GLASS, R. L., Electric, Heating and Welding; Batteries; Resistances; Dynamo Plants	†Nov. 28	†Nov. 28	565
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Jan. 15	Jan. 14	324
3876	62. PUGH, E. C., Games; Geometrical Instruments	Jan. 25	Jan. 26	446
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Jan. 9	Jan. 7	511
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Jan. 12	Jan. 12	855
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Nov. 17	†Nov. 16	698
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Mar. 8	Mar. 24	1417
	{Labels and Prints	Mar. 3	Mar. 13	359
2605	Designs, H. H. KALUPY	Mar. 13	Mar. 24	504

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

HARTFORD-EMPIRE COMPANY *v.* COE, COMMISSIONER OF PATENTS

Nos. 6,544, 6,545, and 6,546. Decided December 7, 1936

[87 F.(2d) 741]

1. PATENTABILITY—METHOD OF FEEDING MOLTEN GLASS. Claims of Appeal No. 6,544, for a method of feeding molten glass *Held* patentable over the prior art.

2. PATENTABILITY—METHOD OF FORMING MOLTEN GLASS. Claims of Appeal No. 6,545 for the method of forming molten glass into mold charges and separating same *Held* patentable over prior art.

3. PATENTABILITY—FEEDER AND CONVEYOR OF CHARGES OF MOLTEN GLASS. The claim of Appeal No. 6,546 for a feeder of charges of molten glass in combination with an inclined chute for conveying such charges to a receptacle *Held* patentable over the prior art.

APPEALS from the Supreme Court of the District of Columbia. Reversed.

Mr. Vernon M. Dorsey, Mr. Alan F. Garner and *Mr. Sidney F. Parham* for Hartford-Empire Company.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before MARTIN, Chief Justice, and VAN ORSDEL, GRONER, and STEPHENS, Associate Justices

VAN ORSDEL, *A. J.:*

Plaintiff-appellant, the Hartford-Empire Company, filed three bills of complaint in the Supreme Court of the District of Columbia, under section 4915, Revised Statutes (35 U. S. C. A. sec. 63), as amended, where the cases were tried on a single record. While the cases are here in separate appeals, they are on a single record.

No. 6,544 relates to the Peiler application, No. 823,894, filed March 10, 1914. Appeal No. 6,545 involves the application of Steimer, No. 543,582, filed February 12, 1910. Appeal No. 6,546 relates to an application of Steimer, No. 65,185, filed October 27, 1925, as a division of the original Steimer application involved in Appeal No. 6,545.

The applications here involved all relate to the feeding of molten glass to molds in the production of bottles, jars and other kinds of glassware. The claims in No. 6,544 and No. 6,545 are process claims. The claim in No. 6,546 is an apparatus claim.

In No. 6,544 claims 2 and 92 sufficiently define the alleged invention:

"2. The method of feeding molten glass, which consists in accumulating and suspending masses of the glass in a heated atmosphere, and successively shearing mold charges from the accumulations when such charges have attained the desired size while thus suspended at a plane sufficiently far below the plane of suspension of said masses to prevent smearing of the glass during the shearing of said charges.

92. The method of feeding molten glass from a submerged discharge outlet in the bottom of a container in periodically severed compact mold charges, comprising the steps of controlling the temperature and viscosity of the glass as it passes to the outlet and regulating the rate of flow of the glass through the outlet to cause glass to issue from the outlet at such rate and in such condition that a compact mass comprising enough glass for the desired mold charge will accumulate in suspension below the outlet between successive charge severing operations, and severing mold charges from the successive suspended masses by causing shear blades to cut cleanly through each suspended mass at a plane spaced sufficiently below the outlet to be out of glass smearing relation therewith, the viscosity of the glass flowing to the outlet, the rate of flow through the outlet, and the periodicity and rate of the charge severing operations of the shears all being selected and regulated with relation to one another for coaction to cause the accumulation in suspension of mold charge masses of suitable size and consistency before the respective severing operations and the severance from the suspended masses, at the proper times for proper delivery to the molds of an associate glassware fabricating machine, of compact uniform mold charges, each having a weight appropriate for the mold to be fed and each being of suitable viscosity and condition for shaping in the mold for the production of a practically perfect article of hollow glassware."

The claimed invention in this case consists in forming from the molten glass contained in the melting furnace a regulated succession of mold charges, each having proper weight, compactness, and viscosity for fabrication in a mold into an article of glassware. Each charge is formed while freely suspended in the air, and while it remains connected with the glass in the furnace. When formed it is mechanically cut off and dropped into the mold where it is converted into the intended article of glassware. To accomplish this result the various steps taken must be coordinated with each other in an exact manner to accomplish the desired result.

In practicing the present method the viscosity of the glass is so affected above the submerged orifice that the glass from which the charge is to be cut emerges in a "pasty" or highly viscous condition so that it will remain suspended in a mass which will hold itself in compact form until more than sufficient glass for a mold charge has accumulated.

It is well to point out that Peiler's method, known as "pasty glass suspended charge feeding", is in distinction to the mechanical methods of the prior art which employed hot, liquid glass. The term "pasty glass" is defined as a highly viscous condition referred to as "super-viscous" in *Hartford Empire Co. v. Hazel-Atlas Glass Co.*, 59 Fed.(2d) 399, where the court was considering Peiler's Patent No. 1,655,391, covering an invention involving an improvement of the method here in issue. This pasty or highly viscous condition is essential to the method here used in that it enables the suspension of a mass which holds itself in compact form.

It appears that Peiler is a rather distinguished inventor in this field, and has filed numerous other applications and obtained a number of patents relating to the method of feeding molten glass to the molds. The appellant company has been involved in a number of suits in connection with these Peiler patents, and special stress is laid by appellant on the case of *Hartford-Empire Co. v. Hazel-Atlas Glass Co.* (C. C. A. 3d), 59 F.(2d) 399. That suit involved a patent granted to Peiler in 1928 on an application filed in 1919, which is known as the "plunger" patent. That process disclosed a plunger which operated in a vertical direction over the opening

through which the molten glass passed from the furnace, and its function was to control the amount of glass passing through the orifice.

In the Hazel-Atlas case the court paid a great tribute to Peiler for revolutionizing the art and supplying an "urgent and desperate need" of the bottle manufacturing industry. The patent there under consideration came into competition with what was known at the time as the Owens method. The Owens machine was so expensive (costing $80,000) that it was controlled by a few manufacturing companies. The Peiler device, being much cheaper, and being an improvement over the Owens method, had through competition supplanted almost entirely the use of the Owens method. The court, however, in that case was not considering an apparatus or process such as is disclosed by Peiler in the present case, but the process and apparatus of the later Peiler patent. The court treated the patent there under consideration as involving a complete solution of the problem.

That court, while considering devices of Peiler to regulate the outlet flow from the molten mass, referred to the gob feeding process here under consideration and distinguished it from the prior art in the following statement, (59 F.(2d) p. 407):

"By this use of a pulsating, vertical plunger so synchronized that the initial discharged mass or gob was held in *suspension* while there was fed into its upper end glass hotter and more fluid, whereby the gob's viscous skin surrounding was evenly expanded on all sides to the desired mold shape and then the flow of glass was stopped, the gob sheared, and the glass at the orifice withdrawn so as not to smear the shears. The periodic, separated, individualized mold forms or gobs discharged by this current-intercepted process and its contrast with the continuous feed stream of the earlier art are described by the union official (president of the Glass Blowers' Union) just referred to in language we now repeat and whose keen accuracy will be better appreciated from what has been shown in the intervening part of this opinion. Accordingly we repeat his words: 'Instead of employing a stream of glass which collected in the mold until the desired mold charge had accumulated, these new feeders cut off a suspended chunk or gob of glass which was preformed during the suspension to correspond, to some extent, at least, to the shape of the mold cavity in which it was to be received.'"

In the case of *Hartford-Empire Co.* v. *Nivison-Weiskopf Co.*, 58 F.(2d) 701, the court had before it for consideration some of the Peiler patents and a patent to Steimer, granted as a division of the application here in suit. In that case the court held.

"that Peiler was not the inventor of suspended charge feeding or shaping charges while in suspension,"

and relied upon the prior disclosures of Hitchcock, Brookfield, Lot, and others.

The Board of Appeals in the Patent Office rejected the claims here in issue chiefly upon the Hitchcock patent, No. 805,068. An examination of the Hitchcock patent discloses that it was not a gob feeding device. What Hitchcock did was to pour the molten glass into the mold and when the mold was filled to a proper proportion the narrow string of glass between the mold and the molten mass from which it is drawn was severed and the portion above the point of severance was drawn back to the molten mass while the portion below curled down into the mold. The evidence disclosed that this method had some imperfections in that the portion of the string that coiled into the mold would not properly amalgamate, thus resulting in defects in the glassware. Hitchcock does not disclose the dropping of a gob of molten glass into the mold. He states in his specification that "when a sufficient quantity has been placed in the mold the glass between the discharge orifice and the mold is severed". In actual operation the drop reaches the mold long before the thread is cut, and the gob, if any is formed, is not in a completed condition as in the present invention. Clearly Hitchcock did not disclose a method of gob feeding as contemplated in the present case. His method was more in the nature of a pouring process.

In the case of *Hartford-Empire Co.* v. *Obear-Nester Glass Co.*, 39 Fed.(2d) 769, infringement was charged by the Hartford Company of two patents issued to and owned by it,—the Steimer patent, No. 1,564,909, granted December 8, 1925, and the Peiler patent, No. 1,573,742, granted February 16, 1926. Infringement was denied by the defendant, and the validity of the patents put in issue based upon the prior art. Also delay and laches in the prosecution of the patent proceedings in the Patent Office were pleaded and relied upon. The court held as to these patents that there had been no delay and laches sufficient to raise any question of estoppel in the case. The issue involved was stated by the court as follows:

"Both of the patents declared on in the bill of complaint relate to the automatic feeding of molten glass to a series of forming molds in which the glass charges are shaped to final form."

The court in an able and voluminous opinion disposed of the prior art holding that the patents to Brookfield, Cleveland, Hitchcock, Mansfield, Morrison, Proeger, Schulze-Berge, Severin, and the French patent to Wilzin did not anticipate the patents to Steimer and Peiler in issue. We are in full agreement with the disposition of the prior art as set forth in that opinion. In no case to which our attention has been directed has the process disclosed by Peiler been sufficiently anticipated to justify the disallowance of his claims, nor do we agree with the Board that Peiler's method is described by Hitchcock. What constitutes anticipation of method claims in connection with carrying out a process is clearly defined in *Carnegie Steel Co.* v. *Cambria Iron Co.*, 185 U. S. 403, 422 424, 99 O. G. 1866, where the court held in substance that method claims can only be anticipated by a similar method, and that method claims cannot be anticipated by "a piece of mechanism by which the process *might* have been formed", and further that method claims cannot be anticipated by earlier devices which require alteration to carry out such a process, unless, at least, such use would have occurred to one whose duty it was to make practical use of the mechanism described. *In re Moulton*, 40 App. D. C. 160, 191 O. G. 588, this court referring to the rule in the Carnegie case, said:

"It is also true, as contended by the appellants, that a process is not anticipated by a prior mechanism, by which, with some alterations, it might have been performed. It is not only necessary that the prior patents might have been used to carry out the process, but that such use was either contemplated or would have occurred, in the ordinary mechanical operation of the device."

Applying this rule to the invention here in issue it must be remembered that the result to be obtained is the successful feeding in regular succession of similar mold charges, and that this result can only be accomplished by the combination of steps which are set out in the method claims in issue.

[1] In the last analysis the claims here in issue were refused by the Board of Appeals, and the court below, upon the unwarranted assumption that one skilled in the art, prior to Peiler's discovery, possessed all the knowledge that Peiler possessed after applying to this problem for years all his superior skill in this art. It means that the knowledge so possessed by those skilled in the art included Peiler's "pasty glass suspended charge feeding method" and of all the developments attending the glass feeding art as described by the Peiler method. In other words, it means that any person skilled in the art would have been able to proceed against the teachings of Hitchcock that the glass should be heated to a thin liquid form and fed in ball and tail, or drop in thread charges and change the Hitchcock method, structure, and mode of operation to perform Peiler's pasty glass suspended charge feeding method. We have had occasion in many instances to condemn the hindsight nunc pro tunc method employed to justify the refusal of valuable inventions in which the patentees are entitled to the protection afforded by the Constitution and the laws.

Coming to Appeal No. 6,545 involving the application of Steimer, No. 543,582 filed February 12, 1910, we find that the alleged invention here disclosed is expressed in the following claims:

"5. The process of separating molten glass into mold charges which consists in intermittently flowing the glass in an annularly converging flow to the outlet, discharging the glass periodically through the outlet, temporarily suspending the discharged glass in successive masses beneath the outlet and separating each mass from the outlet while so suspended.

26. The method of forming masses of molten glass that comprises causing glass to flow from a parent body through an opening, causing successive portions of the glass, as they emerge from said opening, to hang freely below the opening, and then detaching the said successive portions of glass before they are received in any receptacle."

It is difficult to understand just how the Steimer application can be held as anticipating Peiler, since Peiler's proper date is 1914; and appellant's amendment of the Steimer application, covering this invention, is dated February 4, 1920.

In the *Nivison-Weiskopf* case, supra, the court, considering the Steimer patent said:

"The original Steimer application was filed February 12, 1910, but the patent did not issue until December 8, 1925. In 1918 Steimer died, and some time prior to 1920 the plaintiff purchased the Steimer application. On February 4, 1920, plaintiff filed an amended application, and contemporaneously therewith or shortly thereafter added the claims in suit. Up to that time there was no disclosure in Steimer of a purpose to claim suspended gob feeding or severing in suspension. Steimer's concept, as evidenced by the claims filed prior to the plaintiff's purchase of the application, was to utilize the plunger as a stopper to close the orifice in the bottom of the chamber. This was shown, not only by the original claims, but also by the original specifications, which repeatedly characterized the plunger as a 'stopper' or 'interrupter stopper'."

In *Railway Co.* v. *Sayles*, 97 U. S. 554, it was held that amendments embracing any material variation from the original application—anything new, not comprised in that— cannot be sustained on the original application, and should not be allowed; otherwise, great injustice might be done to others who may have invented or used the same things in the meantime. The court said:

"The law does not permit such enlargements of an original specification, which would interfere with other inventors who have entered the field in the meantime, any more than it does in the case of re-issues of patents previously granted. Courts should regard with jealousy and disfavor any attempts to enlarge the scope of an application once filed, or of a patent once granted, the effect of which would be to enable the patentee to appropriate other inventions made prior to such alteration, or to appropriate that which has, in the meantime gone into public use."

[2] The method disclosed by Steimer of separating the gob or mass from the outlet is by the application of a flame instead of shears. The whole process employed by Steimer is so radically different in every detail that it cannot be held to be anticipated by Hitchcock. The theory of the Patent Office that the Hitchcock patent discloses a gob feeding and not a stream feeding device, and that the drops are severed while in suspension, is a conclusion that cannot be deduced from the claims, drawings, or specifications of Hitchcock. Hitchcock's invention is purely a pouring device, while Steimer does disclose a means through which the gob or drop is severed from the mass at the outlet while it is suspended.

We will now consider appeal No. 6,546, involving Steimer's application No. 65,185, filed October 27, 1925, as a division of the original Steimer application involved in Appeal No. 6,545 which we have just discussed. The sole claim relied upon reads as follows:

"3. The combination with a feeder having a submerged delivery orifice delivering freely falling charges of glass, of a receptacle located to one side of the vertical passing through the orifice, and an inclined chute located below the orifice a distance greater than the length of the charge to receive charges falling from the orifice and to convey the same to the receptacle, the chute at the point it receives the charge being sharply inclined to the line of fall of said charge to prevent deformation of the latter."

The claim is for a combination of structural elements for producing freely falling charges of glass, that is, charges which are accumulated and separated before being received in any receptacle; and for conveying each of such charges to a receptacle located below and out of line with the delivery orifice of the feeder by such means and in such a manner that, as the path of the fall of the charge is changed from the vertical to an inclined direction, the charge will not be harmfully distorted by its contact with the conveying means.

The Examiner rejected the claim on Brookfield, No. 883,779, in view of May, No. 596,897; the Board of Appeals, however, did not base its rejection on Brookfield and May, but held the claim to be unpatentable over Hitchcock, No. 805,068, in view of Mansfield, No. 854,511. The court below in its memorandum opinion "agreed with the decision of the Board of Appeals", based on Hitchcock and Mansfield, but the court in its conclusions of law held the claim not patentably distinguishable "from the disclosure of the Brookfield patent". Although the Commissioner cited the May patent in his answer below, on this appeal that patent is not relied upon

nor in the record; and in his brief the Commissioner urges that the Board was right in rejecting the claim on Hitchcock and Mansfield.

Brookfield feeds molten glass into a rotating receiver, and provides "a scraper adapted to make contact with the edges of the dished surfaces, as the receiver rotates, to hold back any excess of molten glass". In his specification he states that

"this scraper is so arranged that it will press against such edge and push or scrape the molten glass that may have fallen upon it back on to the next dished surface 29".

It thus appears that the thread or tail of glass that "may have fallen" on the edge of the dished surface or the receiver is scraped off after the glass of the charge is supported on the receiver. The molten glass from the receiver is emptied into a trough directly beneath and almost contiguous to the rotating receiver which delivers it to the molds. Obviously, Brookfield does not disclose a feeder delivering freely falling charges as specified in the claim before us.

Hitchcock, as we have pointed out above, does not form glass in suspended gobs, and discloses no chute.

Mansfield by the use of rollers with grooves feeds the glass in a "rope-like shape" to a trough, the outer end of the trough forming "a portion of the shear mechanism for cutting off the desired quantity of glass", and a rotating disk with a beveled edge forming the other member of the shear mechanism. The severed glass "drops over onto an inclined chute" located in close proximity to the cutting edge of the trough, and slides down the chute to the glass shaping mechanism. It is clear that Mansfield does not disclose "a feeder having a submerged delivery orifice delivering freely falling charges of glass", as specified in claim 3 of this appeal.

[3] In our view, since none of these references discloses the vital element of the claim, namely a feeder delivering freely falling charges of glass, and as the references do not teach or disclose the combination of the claim or the combined function or result thereof, appellant is entitled to the patent sought.

The decrees are reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

SKELLY OIL COMPANY *v.* THE POWERINE COMPANY

No. 3,711. Decided December 21, 1936

[86 F.(2d) 752]

1. TRADE-MARKS—CONFUSING SIMILARITY.

"In determining the similarity of trade-marks and the likelihood of confusion resulting from the concurrent use thereof, dissection of the marks is improper. The marks must be viewed in their entirety."

2. SAME—OPPOSITION—VALIDITY OF OPPOSER'S REGISTERED MARK PRESUMED.

"In a proceeding of this character, the Patent Office and this court must regard a registered trade-mark as valid, and if the mark of the applicant is so similar to the registered mark as to be likely to lead to confusion, the fact that the registered mark or a portion of it may be descriptive in character affords no justification for disregarding the similarity in passing upon the right to register."

3. SAME—REGISTRABILITY—PRIOR REGISTRATION OF SIMILAR WORDS BY OTHERS—EFFECT OF.

"An applicant does not strengthen his own case in arguing for the right to register by pointing out that a portion of the word is publici juris, and that others have been permitted to register similar words."

4. SAME — CONFUSING SIMILARITY — "POWERMAX" AND "POWERINE".

Registration of the mark "Powermax" *Held* properly refused in view of ownership and prior use by another of the mark "Powerine" since it is held that the marks when viewed as a whole are so similar that if used concurrently on goods of the same descriptive properties, especially gasoline, confusion as to the origin of merchandise would be likely to result.

5. SAME—DOUBTS RESOLVED AGAINST NEWCOMER.

"Unquestionably in our ever-increasing complex business life, the trend of modern judicial decisions in trade-mark matters is to show little patience with the newcomer who in adopting a mark gets into the border line zone between an open field and one legally appropriated to another. As between a newcomer and one who by honest dealing has won favor with the public, doubts are always resolved against the former."

APPEAL from the Patent Office. Affirmed.

Mr. James Atkins for Skelly Oil Company.

Mr. Harry F. Riley, Mr. G. J. Rollandet and *Mr. George C. Shoemaker* for The Powerine Company.

BLAND, *J.*:

The appellant, hereinafter referred to as applicant, filed its application with the United States Patent Office, for the registration of its trade-mark "Powermax" for gasoline. The appellee, hereinafter referred to as opposer, opposed the registration on the ground of its prior use and ownership of the trade-mark "Powerine" on identical goods.

The Examiner of Interferences dissected the marks, pointed out that the first two syllables of each of the marks was the term "Power" and the last syllables were "Ine" and "Max," respectively; that the differences in the marks and not the resemblances formed the basis for distinguishing between the two marks; and that the word "Power" had a descriptive significance.

The Commissioner of Patents reversed the decision of the Examiner of Interferences, holding that in determining the question of likelihood of confusion the marks as a whole had to be considered, and that when considered, in view of the fact that the predominating part of both marks was identical, and that the marks were words of equal syllables, and "in sound, appearance, and significance are similar," confusion would be likely to result. The Commissioner emphasized the fact that gasoline is merchandise in the purchase of which there is frequently little care exercised.

As between the parties hereto, the prior use and ownership of the mark "Powerine" by the opposer is conceded. The use of the mark "Powerine" by opposer and its predecessor began in 1912 while applicant's first use of its mark was in 1933.

The applicant has appealed here and points out that under the stipulated facts the terms "Powerite," "Powerlene," "Powero," "Powerflash," "Powerfuel," and "Powerized" were in use and registered in the Patent Office as trade-marks for gasoline at the time it adopted its mark. Applicant argues that in view of the fact that the term "Power" was a descriptive term which anyone had the right to use and which was extensively used, the public would distinguish the marks of the parties hereto solely from the suffixes "Ine" and "Max." It argues that this and other courts have held that it is proper to disassociate the descriptive part of a trade-mark from the remainder of the same and to ignore the former in determining whether or not there is likelihood of confusion.

We think the Commissioner arrived at the correct conclusion and are of the opinion that the decision of this case is controlled by four well-settled principles which we enumerate as follows:

[1] First. In determining the similarity of trade-marks and the likelihood of confusion resulting from the concurrent use thereof, dissection of the marks is improper. The marks must be viewed in their entirety. *The Celotex Co.* v. *Arthur Edward Millington*, 18 C. C. P. A. (Patents) 1484, 49 F.(2d) 1053, 413 O. G. 279; *Apex Electrical Mfg. Co.* v. *Landers, Frary, and Clark*, 17 C. C. P. A. (Patents) 1184, 41 F.(2d) 99, 398 O. G. 708; *Pepsodent Co.* v. *Comfort Mfg. Co.*, 23 C. C. P. A. (Patents) 1224, 83 F.(2d) 906, 472 O. G. 258.

[2] Second. In a proceeding of this character, the Patent Office and this court must regard a registered trade-mark as valid, and if the mark of the applicant is so similar to the registered mark as to be likely to lead to confusion, the fact that the registered mark or a portion of it may be descriptive in character affords no justification for disregarding the similarity in passing upon the right to register. *California Canneries Co.* v. *Lush'us Products Co.*, 18 C. C. P. A. (Patents) 1480, 49 F.(2d) 1044, 413 O. G. 3; *Richard Hellman, Inc.*, v. *Oakford & Fahnestock*, 19 C. C. P. A. (Patents) 816, 54 F.(2d) 423, 417 O. G. 848; *Walgreen Co.* v. *Godefroy Mfg. Co.*, 19 C. C. P. A. (Patents) 1150, 58 F.(2d) 457, 422 O. G. 4; *Helzberg* v. *Katz & Ogush, Inc.*, 22 C. C. P. A. (Patents) 768, 73 F.(2d) 626, 452 O. G. 253.

[3] Third. An applicant does not strengthen his own case in arguing for the right to register by pointing out that a portion of the word is publici juris, and that others have been permitted to register similar words. *National Biscuit Co.* v. *Sheridan*, 18 C. C. P. A. (Patents) 720, 44 F.(2d) 987, 402 O. G. 4; *Sharp & Dohme* v. *Parke, Davis & Co.*, 17 C. C. P. A. (Patents) 842, 37 F.(2d) 960, 394 O. G. 545; *Leschen & Sons Rope Co.* v. *American Steel & Wire Co.*, 19 C. C. P. A. (Patents) 851, 55 F.(2d) 455, 418 O. G. 3.

Fourth. Doubts should be resolved against the newcomer. *Sutter Packing Co.* v. *Piggly Wiggly Corp.*, 20 C. C. P. A. (Patents) 1069, 64 F.(2d) 1006, 433 O. G. 1083.

Applicant relies upon the case of *S. R. Feil Company* v. *John E. Robbins Company*, 220 Fed. 650, involving "Sal-Vet" and "SalTone." This was an infringement suit and has no bearing upon the question of the meaning to be given the registration statute. We have frequently held that the "dominant purpose of that part of the section here involved is the prevention of confusion and deception." *B. F. Goodrich Co.* v. *Clive E. Hockmeyer et al.*, 17 C. C. P. A. (Patents) 1068, 40 F.(2d) 99, 394 O. G. 795; *California Packing Corp.* v. *Tillman and Bendel, Inc.*, 17 C. C. P. A. (Patents) 1048, 40 F.(2d) 108, 394 O. G. 789. Regardless of any consideration of descriptiveness of the registered mark, we are sure that Congress never intended for a mark to be registered and thus give prima facie assurance of its validity, if it was so similar to the mark of another, used upon goods of the same descriptive properties, as to confuse and mislead the public as to the origin of the goods. In equity, the parties ofttimes get themselves into such a position that there is no way to prevent resulting confusion from the concurrent use of similar marks. Applicant's contention amounts to arguing that since the registrations in the Patent Office show that there is already confusion, it should be permitted to further confuse the public.

Applicant also cites several decisions of the Court of Appeals of the District of Columbia which it maintains support its position that the suffixes of the marks alone must be considered in determining similarity, and among such cases is that of *Franklin Knitting Mills Inc.* v. *Kassman & Kassner, Inc.*, 56 App. D. C. 348, 13 F.(2d) 319, 348 O. G. 530, involving the marks "Fashion Park" and "Fashionknit." In that case it was held that the word "Fashion" was not subject to appropriation, but it was held in substance that the marks as a whole were not in conflict. One mark contained two words, while the other contained only one word.

Applicant relies for supporting authority, as did the Examiner of Interferences, upon this court's decision in *Duro Pump & Mfg. Co.* v. *Thomas Maddock's Sons Co.*, 17 C. C. P. A. (Patents) 785, 36 F.(2d) 1005, 394 O. G. 281, which involved the trade-marks "Duro" and "Durock," and it was there held that there was no likelihood of confusion resulting from the similarity of the marks when used upon lavatories and plumbing fixtures on the one hand and upon pneumatic water systems, electric motors, etc., on the other. We there said:

• • • However, taking into consideration the differences in the marks and the dissimilarity of the goods on which the respective marks are used, we are of opinion that the use of the mark "Durock" will not be likely to cause confusion or mistake in the mind of the public, • • •

The situation which confronts us in the case at bar is different.

Applicant further relies upon the decision of this court in *Rosenberg Bros. & Co.* v. *Wetherby-Kayser Shoe Co.*, 17 C. C. P. A. (Patents) 794, 37 F.(2d) 437, 394 O. G. 3, which involved the trade-marks "Fashion Lane" and "Fashion Park." We there held that the marks were not confusingly similar and it was pointed out that the principal point of similarity was the descriptive word "Fashion."

Subsequent to our decision in the Rosenberg Bros. & Co. case, supra, we held, in *Fashion Park, Inc.*, v. *The Fair*, 18 C. C. P. A. (Patents) 1399, 49 F.(2d)

830, 412 O. G. 837, that the marks "Fashion Row" and "Fashion Park" were confusingly similar and there discussed the Rosenberg Bros. & Co. case, supra, and stated:

> While the court held in that case that the marks "Fashion Park" and "Fashion Lane" were not so similar as to cause confusion, when applied to the goods upon which the respective marks were used, it is clear that had said marks been used upon identical goods, as in the case at bar, a different question would have been presented.

[4] We are of the opinion that when the marks at bar are viewed as a whole there is much similarity between them, and that if used concurrently upon goods of the same descriptive properties, and especially gasoline, confusion as to the origin of the merchandise would be likely to result.

In *Derby Oil Co.* v. *White Star Refining Co.*, 20 C. C. P. A. (Patents) 816, 62 F.(2d) 984, 429 O. G. 75, we pointed out that gasoline was almost exclusively sold at service and filling stations and that modern traffic moves rapidly and that a customer desiring to purchase gasoline is attracted to symbols and signs on service stations and pumps. Gasoline is purchased by casual purchasers who usually must or do act quickly. There is in the record a picture of a gasoline pump showing the word "Powerine" thereon, the "Ine" being turned away from the eyes of the observer in such a way that it is difficult to quickly determine whether the word is "Powerine" or "Powermax."

[5] A vast field of words, phrases, and symbols is open to one who wishes to select a trade-mark to distinguish his product from that of another. Unquestionably in our ever-increasing complex business life, the trend of modern judicial decisions in trade-mark matters is to show little patience with the newcomer who in adopting a mark gets into the border line zone between an open field and one legally appropriated to another. As between a newcomer and one who by honest dealing has won favor with the public, doubts are always resolved against the former.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,132,186, E. W. Kelley, Traffic signaling system, C. C. A., 3d Cir., Doc. 6219. *E. W. Kelley et al.* v. *City of Atlantic City, N. J., et al.* Decree affirmed Mar. 11, 1937.

1,251,030, H. B. Hoffman, Combination garment, D. C., S. D. N. Y., Doc. E 79/208, *H. B. Hoffman* v. *Style-Craft Lingerie, Inc.* Dismissed for lack of prosecution (notice Feb. 1, 1937). Doc. E 79/209, *H. B. Hoffman* v. *Kaymor Lingerie, Inc.* Decree as above.

1,414,796, C. N. Teetor, Engine, C. C. A., 6th Cir., Doc. 7115, *The Perfect Circle Co.* v. *Hastings Mfg. Co.* Patent held invalid Mar. 4, 1937.

1,460,492, H. L. Latz, Communication sheet, filed Mar. 9, 1937, D. C., S. D. N. Y., Doc. E 84/401, *H. Latz et al.* v. *The Don Herold Co., Inc.*

1,474,152, A. A. Kent, Induction coil, C. C. A., 2d Cir., Doc. 15,164, *General Motors Corp. et al.* v. *Preferred Electric & Wire Corp.* Decree affirmed (notice Mar. 15, 1937).

1,475,932, T. W. Cappon, Ink eradicator, D. C., E. D. Pa., Doc. 8949, *Cardinell Corp.* v. *Scriptex Ink & Paste Co.* Injunction Feb. 11, 1937.

1,542,803, Gordon & Redlin, Lathe, C. C. A., 6th Cir., Docs. 7363–7364, *Ford Motor Co.* v. *Gordon Form Lathe Co.* Claims 12, 23, 24, and 38 held valid and infringed; claims 29 and 30 held not infringed Jan. 12, 1937.

1,544,172, A. Perkins, Sorting and classifying of flat sheets, tallies, etc., filed Feb. 25, 1937, D. C., N. D. Calif. (San Francisco), Doc. E 4145–S, *The McBee Co.* v. *J. M. Kemp (Kemp Agency).* Doc. E 4146–R, *The McBee Co.* v. *Rathjen Bros., Inc.* Doc. E 4147–L, *The McBee Co.* v. *Tri-Valley Packing Ass'n.* Doc. E 4148–S, *The McBee Co.* v. *V. F. Pollak.*

1,570,364, J. Wieder, Sample tab, filed Mar. 8, 1937, D. C., S. D. N. Y., Doc. E 84/400, *Standard Sample, Inc., et al.* v. *Artcraft Sample Card Co., Inc., et al.*

1,642,675, B. Goldman, Skylight, filed Mar. 10, 1937, D. C., S. D. N. Y., Doc. E 84/404, *B. Goldman et al.* v. *The Board of Education of Mt. Vernon, N. Y. et al.*

1,718,929, Smith & Julien, Weather strip, D. C., S. D. N. Y., Doc. E 76/91, *Chamberlain Metal Weather Strip Co.* v. *A. B. C. Metal Corp.* Dismissed without prejudice (notice Mar. 8, 1937).

1,748,836, M. Falkovitz, Pocket construction for trousers, D. C., E. D. Pa., Doc. 7007, *M. Falkovitz* v. *Perfect Trouser Co.* Dismissed without prejudice Feb. 3, 1937.

1,784,466, O. Rensonnet, Steering sight adapted to be fitted to the mud guards of motor vehicles, D. C., S. D. N. Y., Doc. E 83/344, *Casco Products Corp. et al.* v. *Sovereign Sales Corp.* Consent decree for plaintiff (notice Mar. 11, 1937).

1,790,925, N. W. Kinney, Wood heel grooving machine, C. C. A., 6th Cir., Doc. 7076, *Vulcan Corp.* v. *Slipper City Wood Heel Co.* Patent held invalid Mar. 8, 1937.

1,793,673, E. V. Camp, Resilient traffic guard, filed Mar. 12, 1937, D. C., N. D. Ohio, E. Div., Doc. 5578, *E. V. Camp* v. *Truscon Steel Co.*

1,803,875, W. F. Stoody et al., Method of facing tools and resulting product, D. C., S. D. Calif., C. Div., Doc. E 805–S, *Stoody Co.* v. *R. M. Ogan et al. (Spartan Steel Co.).* Consent decree for plaintiff for injunction Jan. 29, 1937.

1,903,559, W. Shakespeare, Jr., Fishing reel, appeal filed Jan. 9, 1937, C. C. A., 8th Cir. (St. Louis), Doc. 10,827, *Shakespeare Co.* v. *Perrine Mfg. Co. et al.*

1,908,089, J. A. Welger, Welding electrode, D. C., S. D. N. Y., Doc. E 76/305, *P. R. Mallory & Co., Inc.*, v. *Electroloy Co., Inc., et al.* Dismissed without prejudice (notice Feb. 20, 1937).

1,910,872, H. R. Williams, Catamenial napkins, filed Feb. 24, 1937, D. C., E. D. N. Y., Doc. E 8250, *H. R. Williams et al.* v. *United Cigar-Whelan Stores Corp.*

1,922,133, H. S. Hougium, Windshield heater for motor vehicle, D. C., Nebr. (Omaha), Doc. E 1401, *M. Peterson (Liberty Mfg. Co.)* v. *Safety Equipment Co.* Decree for plaintiff; claims 1 to 7 inclusive held valid, of which claims 3, 4, 5, and 6 are dismissed for lack of prosecution Aug. 26, 1936.

1,922,162, A. J. King, Evacuation of electronic devices, D. C., S. D. N. Y., Doc. E 79/30, *King Laboratories, Inc.*, v. *Kemet Laboratories Co., Inc.* Discontinued without prejudice (notice Jan. 21, 1937).

1,925,893, G. M. Bacon, Milk delivery motor vehicle, filed Feb. 24, 1937, D. C., W. D. Pa., Doc. E 3274, *Divco-Twin Truck Co.* v. *International Harvester Co. of America.* Same, filed Mar. 4, 1937, D. C., W. D. Pa., Doc. 3278, *Divco-Twin Truck Co.* v. *International Harvester Co.*

1,931,769, W. G. Newton, Casting apparatus, filed Mar. 16, 1937, D. C., S. D. N. Y., Doc. E 85/6, *W. G. Newton* v. *Bloomingdale Bros., Inc.*

1,933,099, H. Derman, Built up container, D. C., S. D. N. Y., Doc. E 79/337, *Decorative Cabinet Corp. et al.* v. *Odora Co., Inc.* Consent order dismissing cause (notice Feb. 8, 1937).

1,933,908, D. Hoppenstand, Gear shifting mechanism, C. C. A., 3d Cir., Doc. 6155, *D. Hoppenstand* v. *Mack International Motor Truck Corp.* Decree affirmed Mar. 9, 1937.

1,936,386, F. C. Fantz, Return bend fitting for oil stills, D. C., E. D. Ill. (East St. Louis), Doc. 4658, *Stockham Pipe & Fittings Co. et al.* v. *Key Boiler Equipment Co., Inc.* Dismissed by stipulation Feb. 23, 1937.

1,945,296, Klayman & Lawrence, Apparatus for cleaning and sterilizing feathers, D. C., S. D. N. Y., Doc. E 79/141, *F. I. Klayman et al.* v. *National Pillow Clinic, Inc., et al.* Dismissed for lack of prosecution (notice Feb. 1, 1937).

1,945,734, H. R. Cullmer, Door lock and framing, D. C., N. J., Doc. E 5293, *Elevator Appliance Co., Inc., et al.* v. *National Elevator Accessories Corp. et al.* Consent decree for injunction Jan. 19, 1937.

1,948,192, A. R. Stargardter, Method of treating steel, C. C. A., 2d Cir., Doc. —, *Gillette Safety Razor Co.* v. *Triangle Mechanical Laboratories Inc.* Decree reversed (notice Feb. 1, 1937).

1,955,306, L. Malmstead, Foundation garment, filed Feb. 18, 1937, D. C. Conn. (New Haven), Doc. E 2598, *L. Malmstead* v. *The Warner Bros. Co.*

1,957,192, G. Ainsworth, Lighting fixture, filed Nov. 18, 1936, D. C., E. D. Pa., Doc. 9591, *G. Ainsworth* v. *Gill Glass & Fixture Co.*

1,957,964, L. E. Jones, Method and apparatus for treating fruit, D. C., S. D. Calif. (Los Angeles), Doc. E 390, *Food Machinery Corp.* v. *Santa Fe Land Improvement Co. et al.* Doc. E 391–C, *Food Machinery Corp.* v. *Lahabra Citrus Ass'n.* Doc. E 392–J, *Food Machinery Corp.* v. *Consolidated Orange Growers.* Doc. E 393–M, *Food Machinery Corp.* v. *Bradford Bros., Inc.* Dismissed without prejudice Feb. 10, 1937, in each of above cases.

1,968,030, R. de Filippis, Automatic gearless transmission, filed Feb. 10, 1937, D. C., S. D. N. Y., Doc. E 84/308, *R. de Filippis* v. *Chrysler Sales Corp.*

1,970,848, R. S. Grant, Display window bag, filed Feb. 5, 1937, D. C., E. D. Pa., Doc. 9661, *The Jaite-Grant Display Bag Co.* v. *T. M. Royal & Co.*

1,977,271, P. K. Giddens, Radio antenna circuit, filed Feb. 5, 1937, D. C., W. D. Mo. (Kansas City), Doc. 2889, *The Zodyne Corp.* v. *G. B. Steele.* Dismissed Feb. 22, 1937. Doc. 2891, *The Zodyne Corp.* v. *W. O. Hemingway.* Dismissed Feb. 22, 1937.

1,977,542, A. W. Bruce, Machine for automatically treating poultry, D. C., W. D. Mo. (Kansas City), Doc. 2823, *A. W. Bruce* v. *E. Aaron, Inc.* Dismissed without prejudice (notice Feb. 4, 1937).

1,980,244, A. Wright, Waste disposal, D. C. N. J., Doc. E 5070, *Filtration Equipment Corp.* v. *A. Wright.* Dismissed Dec. 11, 1936.

1,982,188, A. L. Wurster, Cravat holder, D. C., S. D. N. Y., Doc. E 79/204, *Wreal Cravat Holder Co., Inc.*, v. *Globe Novelty House, Inc., et al.* Consent order of discontinuance (notice Feb. 9, 1937).

Adjudicated Patents

(C. C. A. N. Y.) Bergmann patent, No. 1,254,196, for automatic clutching or starting device, claims 1 and 2 *Held* invalid. *Eclipse Mach. Co.* v. *E. Krieger & Son,* 87 F.(2d) 755.

(D. C. N. Y.) Pacz patent, No. 1,410,499, for metal and its manufacture, claims 25, 26, and 27 *Held* valid and infringed. *General Electric Co.* v. *Wabash Appliance Corporation,* 17 F. Supp. 901.

(C. C. A. Ohio) Schwartz patent, No. 1,513,637, for bushing, claims 1, 3, 4, 5, and 6 *Held* valid and infringed. *Byrne Mfg. Co.* v. *American Flange & Manufacturing Co.,* 87 F.(2d) 783.

(C. C. A. N. Y.) Kennington patent, No. 1,527,588, for gearing for starting internal-combustion engines, claims 10, 11, and 12 *Held* invalid. *Eclipse Mach. Co.* v. *E. Krieger & Son,* 87 F.(2d) 755.

(C. C. A. Ohio) Schriner patent, No. 1,644,154, for bushing for metal receptacles, *Held* invalid. *Byrne Mfg. Co.* v. *American Flange & Manufacturing Co.,* 87 F.(2d) 783.

(C. C. A. Ohio) Proctor & Schaab patent, No. 1,757,813, for tunnel liner, claim 1 *Held* not infringed. *Commercial Shearing & Stamping Co.* v. *Youngstown Steel Car Corporation,* 87 F.(2d) 862.

(C. C. A. Ohio) Proctor patent, No. 1,778,606, for metallic structure, claim 3 *Held* not infringed. *Id.*

(C. C. A. Ill.) Parr patent, No. 1,835,719, for edible ice cream container, *Held* invalid. *Maryland Baking Co.* v. *Overland Candy Corporation,* 87 F.(2d) 816.

(C. C. A. N. Y.) Pierre patent, No. 1,879,584, for antiskid device, claim 1 *Held* not infringed. *St. Pierre* v. *Red Patch & Reliner Co.,* 87 F.(2d) 766.

(C. C. A. Mo.) Omohundro patent, No. 1,890,860, for therapeutic agent, *Held* invalid. *Frederick Stearns & Co.* v. *Grove's Laboratories,* 87 F.(2d) 822.

(D. C. Mass.) Mover design patent, No. 97,240, for a design for a radiator cover for automobiles, *Held* invalid. *Boston Leather Specialty Co.* v. *Vatco Mfg. Co.,* 17 F. Supp. 910.

Disclaimers

1,958,581.—*Cass L. Kennicott,* Flossmoor, Ill. ORE TREATMENT. Patent dated May 15, 1934. Disclaimer filed April 1, 1937, by the assignee, *Phelps Dodge Corporation.*

Hereby enters this disclaimer to claim 5 in said specification.

2,008,727.—*Roy S. Sanford,* South Bend, Ind. VACUUM CLUTCH CONTROL. Patent dated July 23, 1935. Disclaimer filed April 3, 1937, by the assignee, *Bragg-Kliesrath Corporation.*

Hereby enters this disclaimer to claim 9 in said specification.

2,020,997.—*Herbert Dallmann,* Berlin-Karlshorst, Germany. DEMAND INDICATOR. Patent dated November 12, 1935. Disclaimer filed March 31, 1937, by the assignee, *General Electric Company.*

Hereby enters this disclaimer to claims 4 and 5 of said Letters Patent.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, April 14, 1937.*

James F. Blawn, his assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Midway Chemical Co., 5235 West 65th Street, Chicago, Ill., to effect the cancellation of trade-mark registration of James F. Blawn, 440 East 46th Street, New York, N. Y., No. 131,042, dated May 4, 1920, and the notice of such proceeding sent by registered mail to the said James F. Blawn at the said address having been returned by the post office undeliverable, notice is hereby given that unless said James F. Blawn, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING MARCH, 1937

CALIFORNIA PACKING CORPORATION *v.* SILVER SWAN LIQUOR CORPORATION, Opposition No. 14,386.

In a decision rendered March 8, 1937 (159 Ms. Dec. 858), *Assistant Commissioner Frazer* held that Silver Swan Liquor Corporation, of San Francisco, Calif., is not entitled to register the notation "Gold Bar" as a trade-mark for whisky, in view of the ownership by the opposer, California Packing Corporation, of San Francisco, Calif., of the registration issued September 1, 1931, of the same mark for ginger ale.

In his decision, after stating that the Examiner of Interferences had held that whisky and certain grocery products specified in the notice of opposition were not goods of the same descriptive properties and that opposer's counsel had not particularly stressed the ginger ale registration, the Assistant Commissioner said:

"Opposer pleaded and proved its ownership of a registration of this same mark, issued September 1, 1931, for ginger ale. The record discloses that this product has been dealt in by opposer only to a limited extent, but the statute contains no requirement that the use of a registered trade-mark shall have been extensive in order to preclude registration of an identical trade-mark for goods of the same descriptive properties as those to which the registered mark is appropriated. It need merely be 'owned and in use by another'. Hence, if whisky and ginger ale are of the same descriptive properties within the meaning of the statute, applicant's mark should not be registered."

He then referred to the case of *Meredith Publishing Co.* v. *O. M. Scott & Sons Co.*, decided March 1, 1937, by the Court of Customs and Patent Appeals, noting the holding made as to goods of the same descriptive properties, and said:

"If upon such consideration the Court has believed confusion to be probable, it has consistently held the goods to be of the same descriptive properties, especially in cases where, as here, such goods are sold under identical trade-marks."

He then cited and quoted from the decision of the Court of Customs and Patent Appeals in *Three in One Oil Co.* v. *St. Louis Rubber Cement Co.* (C. C. P. A.), 32 U. S. P. Q. 192, and said:

"Applying this doctrine to the facts of the instant case, I think it must be held that whisky and ginger ale are merchandise of the same descriptive properties. Not only are they both contained in bottles, and sold by the same dealers to the same class of purchasers, but they are frequently mixed together and imbibed from the same glass. Certainly they are closely associated in the mind of the drinking public, and in my opinion confusion may well result from their sale under identical marks."

EX-LAX, INC., *v.* CHARLES C. HUITT, Opposition No. 14,962.

In a decision rendered March 12, 1937 (159 Ms. Dec. 862), *Assistant Commissioner Frazer* held that Charles C. Huitt, of East Orange, N. J., is not entitled to register the term "Un-Lax", in view of the prior adoption and use by the Ex-Lax, Inc., of Brooklyn, N. Y., of the term "Ex-Lax".

The ground of the decision is that the goods are the same and the marks are confusingly similar.

In his decision the Assistant Commissioner noted that the Examiner of Interferences said in his decision that the term "lax" was descriptive of the goods and there was sufficient difference between the syllables "un" and "lax" to prevent the conclusion that the use of these two marks would result in confusion in trade.

He then noted the case of *Skelly Oil Co.* v. *The Powerine Co.*, (C. C. P. A.), 86 Fed.(2d) 752, in which a similar ruling had been made with respect to "Powerine" and "Powermax" and the decision reversed by the Commissioner, and the latter's decision sustained by the Court of Customs and Patent Appeals, and that court laid down certain rules with respect to the consideration of such marks. One of these rules was that the marks must be considered as a whole.

He then said:

"Applying these rules to the marks before me, I am constrained to hold that 'Ex-Lax' and 'Un-Lax', applied to identical merchandise of the class here involved, are so nearly similar that their concurrent use would inevitably lead to confusion."

He further noted applicant's argument that the word "lax" had become public property as applied to such goods and therefore could not be used by the opposer to prevent the registration of a mark using the same syllable, and said:

"As already appears a categorical answer is found in *Skelly Oil Co.* v. *The Powerine Co.*, supra, which is strictly in line with many earlier cases from the same court. (Citing the decision of the Court of Customs and Patent Appeals in *The Pepsodent Company* v. *Comfort Manufacturing Co.*, 23 C. C. P. A. 1224, 83 Fed.(2d) 906.)

He further said:

"The two registered marks, held by the Examiner of Interferences to bar the registration here sought by applicant, are 'Re-Lax' and 'Nu-Lax'. As each of them is manifestly at least as nearly similar to applicant's mark as is the mark of opposer, it follows from what has been said that in my opinion the holding in that regard was proper."

DEARBORN SUPPLY COMPANY *v.* INTERNATIONAL PULVERIZING CORPORATION, Opposition No. 14,666.

In a decision rendered March 13, 1937 (159 Ms. Dec. 865), *Assistant Commissioner Frazer* held that International Pulverizing Corporation, of Camden, N. J., is not entitled to register the word "Micronized", as a trade-mark for face and body powders, beautifying creams, etc., in view of the prior registration by the Dearborn Supply Company, of Chicago, Ill., of the term "Mercolized" for an ointment or cream for the complexion.

In his decision the Assistant Commissioner, after noting that the goods were obviously of the same descriptive properties and the only question was as to the confusing similarity of the marks, said:

"I am constrained to agree with the Examiner that such confusion would be probable, or at least that the question is not free from doubt; and any doubt on this point must, of course, be resolved in favor of the first user.

"Both marks have the same number of letters and the same number of syllables. Both begin with the letter 'M' and end in a common suffix. At a glance they are quite similar in appearance, and when spoken they are not greatly different in sound. In my opinion they are at least as nearly alike as the marks 'Permanize' and 'Simoniz', which were held to be confusingly similar by the United States Court of Customs and Patent Appeals in *The Simoniz Co.* v. *Permanizing Stations of America*, 18 C. C. P. A. 1374, 49 Fed.(2d) 846."

CARNATION COMPANY *v.* CALIFORNIA GROWERS WINERIES, INC., Oppositions Nos. 14,346 and 14,347.

In a decision rendered March 16, 1937 (159 Ms. Dec. 866), *Assistant Commissioner Frazer* held that the use by Carnation Company, of Wilmington, Del., of the term "Carnation" as a trade-mark for condensed milk, malted milk, whole dry milk, etc., is not sufficient to justify the refusal to register to the California Growers Wineries, Inc., of Fresno, Calif., the same term as a trade-mark for wines and brandy.

The ground of the decision is that the goods are not of the same descriptive properties.

In his decision, after stating that it was not alleged in the notice of opposition that the goods of the parties were of the same descriptive properties but merely that confusion of origin would probably result in the contemporaneous use of the two marks and that opposer's prohibition customers might cease altogether to be its customers because they would resent using a milk product having the same trade name as wine products, the Assistant Commissioner said:

"In *Mohawk Milk Products Co.* v. *General Distilleries Corporation*, 469 O. G. 775, 30 U. S. P. Q. 281, it was held by this tribunal that canned milk and gin are of different descriptive properties, and that no confusion would be reasonably likely to result from their sale under identical trade-marks. I am clearly of the opinion that the same ruling must be made with respect to the goods involved in the instant case. The purchasing public must be credited with at least a modicum of intelligence, which condition would seem to be incompatible with the occurrence of either ground of possible damage pleaded by opposer. The Patent Office and the courts have gone far in construing the Trade-Mark Act so as to avoid the registration of marks that might lead to confusion in their use, but the likelihood of such confusion must be predicated on something more convincing than mere speculation, and there must be some rational basis for holding the goods with which conflicting marks are used to be of the same descriptive properties. Milk products and wine products differ so widely in all material aspects that no person could reasonably be expected to assign them to a single source of origin. Conceivably some few individuals might do so, but the resulting confusion could not properly be classified as 'likely' within the meaning of the statute, any more than could the predicted resentment of opposer's 'prohibition customers'."

EX PARTE A. STEIN & COMPANY, Serial No. 372,643.

In a decision rendered March 19, 1937 (159 Ms. Dec. 868), *Assistant Commissioner Frazer* held that A. Stein & Company, of Chicago, Ill., is not entitled to register, under the act of 1905, a trade-mark for buckles for garment supporters, since applicant has shown no trade-mark use of the mark on the goods described in the application.

In his decision, after stating that the applicant is a manufacturer of sanitary belts and that the buckles are attached to such belts and each belt is packed in a box bearing a label including the mark, the Assistant Commissioner said:

"When a belt is sold its buckle necessarily changes ownership, just as do the buttons on a suit of clothes, or the band on a hat, when the suit or the hat is delivered to a purchaser. This is the only manner in which applicant claims to have sold buckles.

I agree with the Examiner that a clothing manufacturer is not necessarily a dealer in buttons and by the same token that applicant has failed to show itself to be a trader in buckles. It follows that in my opinion applicant is not entitled to register its trade-mark for these particular goods."

RIEGEL PAPER CORPORATION *v.* PORT HURON SULPHITE & PAPER CO., Opposition No. 14,737.

In a decision rendered March 20, 1937 (159 Ms. Dec. 868), *Assistant Commissioner Frazer* held that Port Huron Sulphite & Paper Co., of Port Huron, Mich., is not entitled to register the term "Flexopaque" as a trade-mark for paper used as a basis for wax coating and wax paper, in view of the prior registration by Riegel Paper Corporation, of New York, N. Y., of the term "Snopague" for waxed sulphite wrapping paper, since the goods are obviously of the same descriptive properties and the marks are deemed to be so similar that they are likely to cause confusion in the mind of the public and deceive purchasers.

In his decision after quoting from the decision of the Examiner of Trade-Mark Interferences in which the latter had stated that "paque" was a misspelling of "pack" and that the words "wrap" and "pack" have a similar signification and the word "Flexopaque" would be deemed to mean the same as "Flexo-Wrap", the Assistant Commissioner said:

"Even were it permissible to thus dissect the marks I would be unable to agree with the Examiner's reasoning. I think the average observer would take these marks to be a contraction of the words 'snow opaque', and a combination of the words 'flex opaque', respectively, and that neither 'pack' nor 'wrap' would occur to the mind in connection with either. But such dissection is not permissible, nor is it proper to speculate as to the portions of marks upon which purchasers will probably rely. *Skelly Oil Co.* v. *The Powerine Co.* (C. C. P. A.), 86 Fed.(2d) 752. The marks must be considered in their entireties exactly as they appear, because it must be presumed that they will be so viewed by the public."

He then, with reference to the likelihood of confusion, said:

"While I disagree with the reasoning upon which the Examiner's decision is predicated, I am nevertheless of the opinion that the opposition was properly dismissed. I think that the marks 'Snopaque' and 'Flexopaque' are sufficiently different in sound, appearance and meaning to insure against any reasonable likelihood of confusion when used upon the goods here involved."

EX PARTE HONG KONG FOOD PRODUCTS CO., Serial No. 70,152.

In a decision rendered March 23, 1937 (159 Ms. Dec. 870), *Assistant Commissioner Frazer* held that Hong Kong Food Products Co., of Chicago, Ill., is not entitled to register a label which, according to the application, is used on "chow mein noodles", "bean sprouts" and "chop suey vegetables", the only difference in the label when applied to different products being the name of the product and the recipe in the panel on the right side of the label.

In his decision, after stating that the Examiner held that, as the three sets of labels submitted are each descriptive of the different products, they may not properly be included in a single registration and

noting applicant's argument based on the decision of *Ex parte Price Bros.*, 159 Ms. D. 408, 25 U. S. P. Q. 176, in which several labels included in the application for registration were all descriptive of wine differing only in that each disclosed in addition the name of a particular type of wine, the Assistant Commissioner said:

"In the instant case, to quote the Examiner, there is 'no common denominator or generic description.' Applicant argues that its labels are for three varieties of 'chop suey products', but its goods are not so described on the labels.

"I do not agree that the Examiner's action conflicts with the Price Bros. case, nor do I think the doctrine of that case should be extended beyond the point expressly decided."

THE CROSLEY RADIO CORPORATION *v.* THE SPARKS-WITHINGTON COMPANY, Opposition No. 14,656.

In a decision rendered March 29, 1937 (159 Ms. Dec. 871), *Assistant Commissioner Frazer* held that the prior use by The Crosley Radio Corporation, of Cincinnati, Ohio, of the terms "Shelvador" and "Shelva-Basket" in connection with refrigerators furnished no ground for refusing to register to The Sparks-Withington Company, of Jackson, Mich., the term "Baskador" as applied to "refrigerator units, namely: metal frames, for attachment to the inside of refrigerator doors, for holding foodstuffs", but that The Sparks-Withington Company, of Jackson, Mich., was not entitled to register the term in question for the goods stated since it had never used that term as a trade-mark for such goods.

With reference to the confusing similarity of the two marks, the Assistant Commissioner said:

"I am unable to agree that these two marks are so similar as to be likely to cause confusion when applied to the goods here involved. I think they are distinctively different in sound, appearance, and suggested significance. In reaching a contrary conclusion the Examiner of Interferences relied largely on the case of *The Pepsodent Co.* v. *Comfort Manufacturing Co.*, 23 C. C. P. A. 1224, 83 Fed.(2d) 906, where the United States Court of Customs and Patent Appeals held the marks 'Pepsodent' and 'Pearledent', both used on tooth paste, to be confusingly similar. Those marks, however are more nearly alike than are 'Shelvador' and 'Baskador'. Moreover the goods were identical, while those to which the present opposer applies its mark and those for which applicant seeks registration are specifically quite different."

With reference to the question of the use by applicant of the mark on the goods stated, he said:

"It conclusively appears from the record that these frames have never been sold apart from applicant's refrigerators, and that the only manner in which the trade-mark has been affixed is by pasting a label, on which the mark is printed, on the inside surface of the refrigerator door. On the authority of *Ex parte Eastman Kodak Company*, 23 C. C. P. A. 711, 80 Fed.(2d) 270, it must be held that such use of the mark does not constitute a trade-mark use in connection with the goods described in the application."

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 27, 1937

[VOL. 477. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 389,570. RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed Mar. 2, 1937.

CRYSTALITE

For Synthetic Resin Molding Powders.
Claims use since Feb. 18, 1937.

Ser. No. 389,707. AMERICAN ANODE, INC., Wilmington, Del., and Akron, Ohio. Filed Mar. 6, 1937.

MERANITE

For Aqueous Dispersions of Rubber and/or Synthetic Rubber Like Materials.
Claims use since Feb. 17, 1937.

CLASS 2

Receptacles

Ser. No. 381,989. LIEBMANN BREWERIES, INC., Brooklyn, N. Y. Filed Aug. 10, 1936.

PIKNIK·PAK

Applicant disclaims "Pak" aside from the mark shown.
For Knockdown Cardboard Receptacles Formed with a Handle for Carrying a Plurality of Beer Containers.
Claims use since July 29, 1936.

Ser. No. 388,768. CORDIANO CAN CO., INC., Brooklyn, N. Y. Filed Feb. 11, 1937.

CORCAN

For Tin Cans and Composite Tin and Paper Cans.
Claims use since Dec. 1, 1936.

Ser. No. 389,084. THE GLENN L. MARTIN COMPANY, Baltimore and Middle River, Md. Filed Feb. 18, 1937.

MARENGCELL

The word "Cell" is disclaimed apart from the mark as shown.
For Synthetic Rubber Fabric Tank.
Claims use since Jan. 4, 1937.

Ser. No. 389,969. THE AMERICAN THERMOS BOTTLE COMPANY, Norwich, Conn. Filed Mar. 12, 1937.

PERM-A-TEMP

For Vacuum Bottles.
Claims use since Feb. 8, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 385,654. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass. Filed Nov. 17, 1936.



For Handbag Frames, Purse Frames, and Ornaments of Non-Precious Metal or Molded Material Used in Connection with said Frames.
Claims use since April, 1934.

Ser. No. 388,510. OSHKOSH TRUNKS, INC., Oshkosh, Wis. Filed Feb. 3, 1937.

The Chief

For Trunks and Hand Luggage—Namely, Suit Cases, Trade Cases, Hat Cases, Shoe Cases, and Wardrobe Cases.
Claims use since Jan. 26, 1937.

Ser. No. 388,990. LINCOLN LUGGAGE CO., INC., New York, N. Y. Filed Feb. 16, 1937.



The portrait is that of Abraham Lincoln. The abbreviation "N. Y. C." is disclaimed apart from the mark shown.

For Luggage—Namely, Overnight Cases, Week-End Cases, Hat and Shoe Boxes, Men's and Ladies' Wardrobe Cases, Vanity Cases, and Airplane Bags.

Claims use since Nov. 8, 1936.

Ser. No. 389,312. GOLD SEAL IMPORTERS, INCORPORATED, New York, N. Y. Filed Feb. 24, 1937.



For Ladies' Hand Bags.

Claims use since Sept. 12, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 389,489. V. C. PRODUCTS COMPANY, INC., Philadelphia, Pa. Filed Feb. 27, 1937.



The words "For Daily Tasks" are disclaimed apart from the mark.

For Abrasive Scouring Preparation for the Cleaning of Pots, Pans, Bath Tubs, Basins, Sinks, Urinals, Toilets, and Similar Articles.

Claims use since June 1, 1936.

Ser. No. 389,646. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Mar. 4, 1937. Under 10-year proviso.

B-A

For Abrasive Cloth and Abrasive Paper.

Claims use since 1860.

Ser. No. 389,688. LOUANGEL CORPORATION, New York, N. Y. Filed Mar. 5, 1937.

CLIPPER
ORIGINAL BRUSHLESSTIK

The words "Original Brushlesstik" are disclaimed apart from the mark.

For Shaving Cream in Stick Form.

Claims use since Sept. 25, 1936.

Ser. No. 389,802. SNO-FLAKE PRODUCTS COMPANY, Detroit, Mich. Filed Mar. 8, 1937.

CORONET

For Shoe Polish and Cleaner.

Claims use since Jan. 6, 1937.

CLASS 5

Adhesives

Ser. No. 376,521. BAKELITE CORPORATION, New York, N. Y. Filed Mar. 28, 1936.

RESIBOND

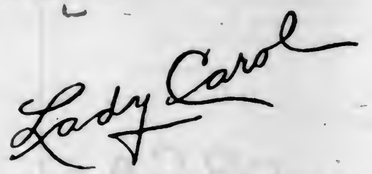
For Adhesives—Namely, Resinous Bonding Agents, Veneer Bonds, and Adhesive Cements.

Claims use since Dec. 23, 1935.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 373,320. ARTHUR I. STEVENS, Detroit, Mich. Filed Jan. 3, 1936.



For Cleansing Cream, Foundation Cream, Skin and Tissue Cream, Genuine Turtle Cream, Cold Cream, Vanishing Cream, Astringent, Face Powder, Genuine Turtle Muscle Oil, Almond Lotion, Oil Shampoo.

Claims use since July 1, 1935.

Ser. No. 381,996. N. V. ORGANON, Oss, Netherlands. Filed Aug. 10, 1936.



The representation of the container is disclaimed apart from the mark as shown.

For Preparations Used in the Treatment of Abortus and Habitual Abortion; Achylia Gastrica; Acrodynia; Acromegalia; Adipositas; Agranulocytosis; Alcoholism; Alopecia; All Kinds of Anaemia; Anaphylactia; Adnexitis; Angina Pectoris; Aphthae; Appetite; Arteritis; Arthritis; Asthenia; Asthma; Azoöspermia; Azotemia; Bang's Disease; Basophilic Adenoma; Beri-Beri; Irregularities of Blood-Pressure; Diseases of the Brain; Bullous Exanthema; Buerger's Disease; All Kinds of Cancer; Results of Castration; Cataract; Cholecystitis; Cholelithiasis; Chorea Minor; Chorionepithelioma; Intermittent Claudication; Climacteric; Collapse; Common Cold; Creatinism; Cryptorchidism; Cushing's Disease; Delirium Tremens; Dementia Praecox; Dermatosis and All Kinds of Skin Diseases and Disorders; All Kinds of Diabetes; Diphtheria; All Kinds of Dystrophia; Edema; Emaciation; Embolia; Endometritis; Epilepsy; Erysipelas; Eunuchoidism; Exophthalmus; Exudative Diathesis; Fatigue; Febris Undulans; Feminization; Foetus Mortuus; Frigidity; Frohlich's Disease; Furunculosis; Gangrene; Goitre; Gigantism; Glaucoma; Granulocytopenia; Grave's Disease; Irregularities of Growth; Gynecological Disorders; Irregularities of Hair Growth; Hematoporphyria; Irregularities of Hemoglobine-Quantity in Blood and Urine; Hemophilia; Hemorrhagic Diathesis; All Kinds of Heart Diseases and Disorders; Heubner's Disease; Hirsutism; Hay Fever; Hyperemesis Gravidarum; Hyperinsulinism; Hypertension; Hyperthyroidism; Hypertrichosis; Hypoglycemia; Hypothyroidism; Hypophyseal Cachexia; Hypotension; Hypotonia; Icterus; Ileus; Impetigo Herpetiformis; Infantilism; Infections; Inflammations; Diseases and Disorders of the Intestines; Intoxication by All Types of Poisons; Ischemia; Diseases of the Joints; Keratomalacia; Diseases of the Kidneys; Kraurosis of the Vulva; Irregularities of Lactation; Diseases of the Liver; Lung Diseases; Diseases of the Lymphatic System; Diseases of the Mammae; Marasmus; Melancholia; Menopause; Disturbances and Irregularities of Rate of Various Kinds of Metabolism; Metrorrhagia; Menstruation Disorders and Diseases; Metritis; Migraine; Hydatiform Mole; Morphinism; Myxedema; Nanosomia, Nanism; Nephritis; Nervous Diseases and Disorders; Neuralgia; Obesity; Obstetrical Disorders; Oophoritis; Irregularities of Ossification; Osteophorosis; Otitis; Irregular Ovulation; Paget's Disease; Parametritis; Paratyphus; Parkinson's Disease; Pallagra; Pemphigus Vulgaris; Peritonitis; Phlebitis; Pituitary Headache; Diseases of the Placenta; All Kinds of Pneumonia; Polyglobulia; Porphyria; Disturbances in Pregnancy; Hypertrophy of the Prostate; Pruritis Vulvae; All Diseases and Disorders of Puberty; All Diseases and Disorders of Puerperium; Rickets; Raynaud's Disease; Recklinghausen's Disease; Retinitis Pigmentosa; All Rheumatic Diseases; Schizophrenia; Scleroderma; All Kinds of Sclerosis; Senium; Sexual Diseases and Disorders; Shock; Simmond's Disease; Spasmophilia; Spermatogenisis; Diseases of the Spinal Cord; Spondylarthritis; Staphylococcal Infections; Steatorrhoea; Diseases of the Stomach; Streptococcal Infections; Tabes; Tetany; Thromboangiitis Obliterans; Thrombosis; All Kinds of Tuberculosis; Tumors; Typhoid Fever; All Kinds of Ulcers; Ulcus Cruris; All Kinds of Urinary Diseases and Disorders; Urticaria; Haemorrhages of the Uterus; Vascular Spasms and Other Vascular Diseases; Vaginitis; Varices; Virilism; Vitiligo; Vulvovaginitis; Xerophthalmia; X-Ray Damages; Preparations for Etching Leather; Preparations for Removing Amylum from Textile Tissues; Preparations for Dressing and Making up Textile Fabrics; Enzymatical Preparations for Technical Purposes.

Claims use since May 4, 1929.

Ser. No. 382,399. ANTHONY STRAMONDO, doing business as Antonitus Laboratories, Providence, R. I. Filed Aug. 20, 1936.

ANTONITUS

For Hair Tonics, Face Lotions, and Face Creams.

Claims use since May, 1930.

Ser. No. 382,748. DAGGETT & RAMSDELL, New York, N. Y. Filed Aug. 31, 1936.

DAGGETT & RAMSDELL



Golden Cleansing Cream

The words "Golden Cleansing Cream" are disclaimed except as shown.

For Cleansing Cream.

Claims use since July 24, 1936.

Ser. No. 383,401. MULFORD COLLOID LABORATORIES, Philadelphia, Pa. Filed Sept. 18, 1936.

Sulphocol

For Solution of Sulphur in Colloidal Form, for External and Internal Use in Cases Where There is a Deficiency of Sulphur in the System and in Accelerating the Action of the Liver to Prevent Intestinal Toxemia, and in the Treatment of Rheumatism, Neuritis, Arthritis, Deformans, Skin Affections, Including Rosacea and Seborrhea, Generalized Dermatitis, Acute Psoriasis, Painful Fibrositis and in Cooperation with Mercury in the Treatment of Syphilis.

Claims use since Sept. 1, 1921.

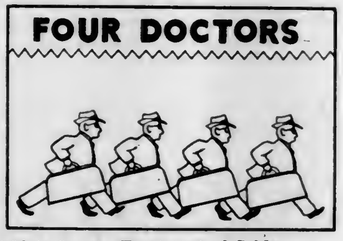
Ser. No. 383,824. SANDOZ CHEMICAL WORKS, INC., New York, N. Y. Filed Sept. 30, 1936.

TETRACARNIT

For Heterocyclic Compounds, Pure or Mixed with Other Chemicals, Dissolved in or Free from Water, for Cleaning, Wetting, Bleaching, Mercerizing, Coloring, or Printing Textile Fibers, Fabrics, Straw, Feathers, Hair, Bristles, Leather, Etc.

Claims use since Jan. 29, 1923.

Ser. No. 384,702. DONALDS LIMITED, INC., Jersey City, N. J. Filed Oct. 23, 1936.



For Tablets for the Treatment of Colds.
Claims use since Feb. 10, 1936.

Ser. No. 384,858. FELIX MORGENSTERN, doing business as Morgenstern Chemical Co., New York, N. Y. Filed Oct. 27, 1936.



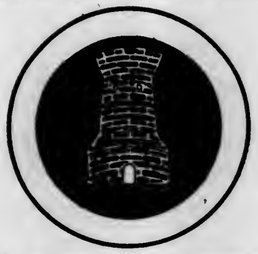
For Medicinal Preparation for External Application for the Relief of Pains and Inflammation of Muscles and Joints.
Claims use since Sept. 10, 1933.

Ser. No. 385,350. FLETCHER LABORATORIES, INC., New York, N. Y. Filed Nov. 10, 1936.



The words "The Original Aspirin Nose & Throat Drop", the letters "N. Y. C.", and the prescription sign "Rx" are disclaimed apart from the mark.
For Nose and Throat Drops.
Claims use since July 15, 1936.

Ser. No. 385,880. THE CASSEL CYANIDE COMPANY, LIMITED, Glasgow, Scotland. Filed Nov. 23, 1936.



For Cyanides for Use in Manufactures and Cyanides Used for Agricultural and Horticultural Purposes.
Claims use since June 1, 1905.

Ser. No. 386,015. HOWARD M. DIGGS, doing business as H. M. Diggs Co., New York, N. Y. Filed Nov. 27, 1936.

PERKS

For Caffein Tablets.
Claims use since Sept. 30, 1935.

Ser. No. 386,052. CHARLES A. THAYER, doing business as The Thayer Chemical Co., Topeka, Kans. Filed Nov. 27, 1936.

CALA-TAR-LOTION

The words "Tar Lotion" are disclaimed apart from the mark shown.
For Liquid Medicinal Preparation Composed of Steam Distillate of Crude Coal Tar Combined with Phenol 1%, Prepared Calamine, Zinc Oxide, and Lime Water in a Glycerinized Base, and Used by Physicians for Treatment of Poison Ivy, Oak, Smartweed, Dermatitis, Erythemas, Pruritus Ani, and Vulvae, Infantile and Adult Eczema.
Claims use since Nov. 1, 1934.

Ser. No. 386,467. PAUL DE GOURAS, Atlanta, Ga. Filed Dec. 7, 1936.



For Insecticides.
Claims use since Nov. 1, 1935.

Ser. No. 386,482. CONSOLIDATED CHEMICAL INDUSTRIES, INC., San Francisco, Calif. Filed Dec. 8, 1936.



For Fly Repellent.
Claims use since Jan. 1, 1934.

Ser. No. 387,069. THE HOUSE OF WESTMORE, Los Angeles, Calif. Filed Dec. 23, 1936.



For Cosmetics and Toilet Preparations—Namely, Face Powder, Lip Stick, Eye Shadow, Cream Rouge, Dry Rouge, Eyebrow Pencil, Powder Base, Cleansing Creams, Cold Cream, Night Cream, Nourishing Cream, Muscle Cream, Mascara, Liquid Make-Up, Liquid Powder, Deodorants, Bath Powder, Perfumes, Toilet Waters, Hand Lotions, Permanent Wave Solution, Shampoos, Astringent, Skin Freshener, Talc, Bleaches, Dyes, Hair Rinses, Nail Polish, Cuticle Remover, Polish Remover, Bath Salts, Hand Oil, After Shaving Lotion.
Claims use since May 15, 1935.

Ser. No. 387,070. THE HOUSE OF WESTMORE, Los Angeles, Calif. Filed Dec. 23, 1936.



For Cosmetics and Toilet Preparations—Namely, Face Powder, Lip Stick, Eye Shadow, Cream Rouge, Dry Rouge, Eyebrow Pencil, Powder Base, Cleansing Creams, Cold Cream, Night Cream, Nourishing Cream, Muscle Cream, Mascara, Liquid Make-Up, Liquid Powder, Deodorants, Bath Powder, Perfumes, Toilet Waters, Hand Lotions, Permanent Wave Solution, Shampoos, Astringent, Skin Freshener, Talc, Bleaches, Dyes, Hair Rinses, Nail Polish, Cuticle Remover, Polish Remover, Bath Salts, Hand Oil, After Shaving Lotion.
Claims use since May 15, 1935.

Ser. No. 387,285. PABST PHARMACEUTICAL CO., Chicago, Ill. Filed Dec. 30, 1936.



The word "Special" is disclaimed apart from the mark.
For Proprietary Medicines for the Treatment of Venereal Diseases.
Claims use since Oct. 23, 1930.

Ser. No. 387,344. PERMEEN DERM PRODUCTS CO., Roselle Park, N. J. Filed Dec. 31, 1936.



The words "for athlete's foot" are disclaimed apart from the mark.
For Medicinal Preparation Recommended for Treatment of Athlete's Foot.
Claims use since Oct. 29, 1936.

Ser. No. 387,683. HELEN T. ROBINSON, doing business as Helene Marguerite, Summit, N. J. Filed Jan. 11, 1937.



The representation of a label is disclaimed.
For Nail Cream.
Claims use since Oct. 14, 1936.

Ser. No. 387,786. CAMILLE B. HOLT, doing business as Hairglene Laboratories, Atlanta, Ga. Filed Jan. 14, 1937.

HAIRGLENE

For Hair Tonic.
Claims use since June 1, 1935.

Ser. No. 388,413. WILLIAM J. ROTT, doing business as Sis-Rose Preparations, Cicero, Ill. Filed Feb. 1, 1937.

Ruzhena

For Cleansing Creams, Skin Tissue Builders, Face Powder, and Moist Face Powder.
Claims use since June 1, 1930.

Ser. No. 388,522. JOHN V. COLLINS, doing business as John V. Collins Co., Madison, Wis. Filed Feb. 4, 1937.

CUTISALVE

For Skin Salve or Ointment for Impetigo, Eczema, Ringworm, Athlete's Foot, and Piles.
Claims use since Jan. 1, 1920.

Ser. No. 388,576. WILLIAM PLUMER JACOBS, doing business as Atmosphene Co., Clinton, S. C. Filed Feb. 5, 1937.

Atmosphene

For Analgesic and Sedative Preparation.
Claims use since Mar. 1, 1935.

Ser. No. 388,578. LUCIEN LELONG INC., Chicago, Ill. Filed Feb. 5, 1937.

DUVETYN

For Face Powder, Talcum Powder, Perfumes, and Toilet Water.
Claims use since Jan. 5, 1937.

Ser. No. 388,808. SUNBEAM LABORATORIES, Los Angeles, Calif. Filed Feb. 11, 1937.

Nailife

For Finger Nail Preserver and Tonic, Nail Polishes, Nail Polish Remover, Nail White, Cuticle Softener, and Cuticle Remover.
Claims use since Dec. 17, 1936.

Ser. No. 388,883. A. AARONS & CO., INC., New Orleans, La. Filed Feb. 12, 1937.

Dr Sylvester's

MISS JOSIE

For Hoof Oil for Diseases of the Hoofs of Horses, Mules, and Cattle; Liniment for Man or Beast; Constipation Pills for Horses, Mules, and Cows; Vermifuge Pills for Horses, Mules, and Cows; and Condition Powders for Horses, Mules, and Cows.
Claims use since 1906.

Ser. No. 388,945. LIFE PHARMACEUTICAL CORPORATION, Cleveland, Ohio. Filed Feb. 15, 1937.

DELAYAR

For Topical Anaesthetics.
Claims use since Feb. 1, 1937.

Ser. No. 389,033. T. NOONAN & SONS COMPANY, Boston, Mass. Filed Feb. 17, 1937.

NOONAN'S VITAMIN F

The term "Vitamin F" is disclaimed apart from the mark.
For Preparations for Treatment of the Hair and Scalp, Particularly Hair Tonic, Hot Oil Scalp Treatment, Shampoo, and Scalp Cream.
Claims use since Aug. 1, 1936.

Ser. No. 389,088. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Filed Feb. 18, 1937.

AQUA-DRIN

For Nose Drop and Nose Spray.
Claims use since Feb. 4, 1937.

Ser. No. 389,110. GEORGE JOSEPH BASEL, doing business as Basel Co., Cleveland, Ohio. Filed Feb. 19, 1937.

SUNIE

For Face Lotion, a Hair Tonic, a Liniment Useful in Muscular Rheumatism Where Pain is a Prominent Symptom and of a Transient Nature, a Cough Syrup for Coughs Due to Colds, a Calamine and Zinc Lotion for Slight Skin Irritations, an Application for Corns and Callouses, Tooth Powder, and Hair Shampoo.
Claims use since Dec. 28, 1936.

Ser. No. 389,175. FINK-ROSELIEVE CO., INC., New York, N. Y. Filed Feb. 20, 1937.

hardenol

For Photographic Preparations and Photographic Chemicals.
Claims use since Jan. 6, 1937.

Ser. No. 389,180. INGENUE INC., New York, N. Y. Filed Feb. 20, 1937.

Ingenue

For Lipstick and Perfumes.
Claims use since Sept. 18, 1934.

Ser. No. 389,216. ALEXANDER FLAYFIEL, St. Augustine, Fla. Filed Feb. 19, 1937.

TYUNE

For Medicinal Herb Preparation for the Relief of Gonorrhoea.
Claims use since September, 1936.

Ser. No. 389,250. HONEYOUTH INC., Dallas, Tex. Filed Feb. 23, 1937.

HONEYOUTH

For Cosmetic Masque.
Claims use since Jan. 21, 1937.

Ser. No. 389,261. THE PAAC CHEMICAL CORPORATION, Greensburg, Pa. Filed Feb. 23, 1937.

Drulain

For Beauty Clay.
Claims use since Jan. 26, 1937.

Ser. No. 389,267. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed Feb. 23, 1937.

ODORID

For Antiseptic Powder Used as a Deodorant for the Feet and Other Purposes Where a Deodorant is Required.
Claims use since Feb. 15, 1937.

Ser. No. 389,328. FLORENCE OSBORNE, Cleveland Heights, Ohio. Filed Feb. 24, 1937.

SIMPSON'S Royal Family

For Perfume.
Claims use since May 1, 1933.

Ser. No. 389,330. THELMA RILING, doing business as Bird-Alice, Dallas, Tex. Filed Feb. 24, 1937.

BIRD-ALICE



For Preparation for the Treatment of Dandruff.
Claims use since Feb. 10, 1937.

Ser. No. 389,385. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C. Filed Feb. 25, 1937

SOUTHERN

For Brake Fluid and Shock Absorber Fluid.
Claims use since June 1, 1935 on brake fluid; since June 1, 1936 on shock absorber fluid.

Ser. No. 389,389. VAIL & BUNTING, Hamilton, Ohio. Filed Feb. 25, 1937.

BUG MASTER



For Insecticide.
Claims use since Nov. 2, 1936.

Ser. No. 389,399. BURTON SKILES, Long Beach, Calif. Filed Feb. 23, 1937.

MOULDINE

For Preparation for Setting the Waves in the Hair.
Claims use since Dec. 1, 1936.

Ser. No. 389,409. DONALDS LIMITED, INC., Jersey City, N. J. Filed Feb. 26, 1937.



The words "Cold Tablets", "Aspirin", "Quinine", "Alkalizer", "Laxative" are disclaimed apart from the mark.
For Tablets for the Treatment of Colds.
Claims use since Jan. 27, 1937.

Ser. No. 389,443. JULIUS H. TUVIN, doing business as The Kayan Company, New York, N. Y. Filed Feb. 26, 1937.

KAYAN

For Laxative Preparation.
Claims use since May, 1934.

Ser. No. 389,445. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed Feb. 27, 1937.

CUPRODINE

For Chemical Preparations for Coating Iron and Steel With Copper.
Claims use since Nov. 7, 1935.

Ser. No. 389,540. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed Mar. 2, 1937.

NORTOX

For Insecticide and Deodorant.
Claims use since Feb. 22, 1934.

Ser. No. 389,611. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed Mar. 3, 1937.

LYGEL

For Vaginal Antiseptic.
Claims use since August, 1932.

Ser. No. 389,766. JOHN RICHARD COLLINS, doing business as The Aromaseptic Company, Los Angeles, Calif. Filed Mar. 8, 1937.

AROMASEPTIC

For Antiseptic Lotion.
Claims use since Feb. 5, 1937.

Ser. No. 389,845. FRED G. NEUHAUS, doing business as Neubaus Pharmacal Co., Los Angeles, Calif. Filed Mar. 9, 1937.

ALLIODIS

For Preparation for the Treatment of Intestinal Disorders.
Claims use since Feb. 25, 1937.

Ser. No. 389,864. AURINE COMPANY, INC., Chicago, Ill. Filed Mar. 10, 1937.

OURINE



For Ear Balsam.
Claims use since Jan. 10, 1930.

Ser. No. 390,000. NORTHWEST PRESCRIPTION LABORATORIES, Olympia, Wash. Filed Mar. 12, 1937.

NEUTRACID

For Preparation to be Used as an Aid in Correcting Stomach Acidity.
Claims use since Jan. 1, 1937.

CLASS 11

Inks and Inking Materials

Ser. No. 386,944. GENERAL PRINTING INK CORPORATION, New York, N. Y. Filed Dec. 19, 1936.

SU-veneer

For Printing Ink.
Claims use since Sept. 1, 1936.

CLASS 12

Construction Materials

Ser. No. 374,021. H. H. ROBERTSON COMPANY, Pittsburgh, Pa. Filed Jan. 23, 1936.

Galbestos

For Protected Metal Articles Used for Building Purposes and Particularly for Roofing Sheets, Siding Sheets, Ridge Caps, All Forms of Building Trim, Doors, Rolled Structural Metal Sections, and Laminated Metal Sheets.
Claims use since Sept. 6, 1935.

Ser. No. 387,610. WHITDAY, INC., Chicago, Ill. Filed Jan. 7, 1937.

FLEXTITE

For Cements and Adhesive Plastics for Use as a Filling and Sealing Material in Expansion and Other Joints in Masonry Construction.
Claims use since May 19, 1936.

Ser. No. 387,856. BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed Jan. 16, 1937.



Applicant is the owner of Reg. Nos. 151,430 and 155,383 effected under the 10-year proviso of the act of Feb. 20, 1905. The word "Steel" is disclaimed apart from the mark.
For Structural Shapes, Structural Bars, Concrete Reinforcing Bars.
Claims use since July, 1931.

Ser. No. 387,984. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed Jan. 21, 1937.

FRAX

For Refractory Bricks, Refractory Shapes, Refractory Cements, and Refractory Materials for Use in Making the Same.
Claims use since Nov. 2, 1929.

Ser. No. 389,291. SHEET METAL MANUFACTURING COMPANY, INC., Brooklyn, N. Y. Filed Feb. 20, 1937.

METCO

For Leaders, Gutters, Elbows for Eaves, Trough Leaders, Straps, Mitres, Hangers, Cut-Offs, Outlets, End Caps, Leader Heads, Chimney Bases, Roof Cement, Corner Bead, and Edging.
Claims use since Feb. 1, 1927.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 387,855. BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed Jan. 16, 1937.

BETHLEHEM STEEL

The word "Steel" is disclaimed apart from the mark. Applicant is the owner of the following United States trade-mark registrations: Nos. 151,430 of February 7, 1922 and 155,383 of May 30, 1922, both effected under the ten-year proviso of the Act of February 20, 1905.
For Metal Pipe, Bolts, Nuts, Rivets, Spikes, Studs, Screws, Metal Washers, Turnbuckles, Tie Rods, Clevises, Nails, Staples.
Claims use since July, 1931.

Ser. No. 388,030. STANDARD SANITARY MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Jan. 21, 1937.

"HOSTESS"

For Sinks, Sink Cabinets, and Fittings Therefor.
Claims use since Oct. 1, 1936.

Ser. No. 388,031. STANDARD SANITARY MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Jan. 21, 1937.

"NEO-ANGLE"

For Bathtubs and Fittings Therefor.
Claims use since Mar. 23, 1934.

Ser. No. 388,274. MERCO NORDSTROM VALVE COMPANY, Pittsburgh, and Homewood, Pittsburgh, Pa. Filed Jan. 28, 1937.

HYPRESEAL

For Plug Valves Made of Iron, Steel, Brasses, and Bronzes, Nickel Alloy Iron and Steel, Nickel, Nickel Copper Alloys, Aluminum, Aluminum Bronze, Steel Forgings, Malleable Iron, and Other Non Precious Metals and Alloys.
Claims use since Nov. 30, 1935.

Ser. No. 388,716. HOOKLESS FASTENER COMPANY, Meadville, Pa. Filed Feb. 10, 1937.

LION

For Slide Fasteners.
Claims use since June, 1930.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 387,853. BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed Jan. 16, 1937.

BETHLEHEM STEEL

The word "Steel" is disclaimed apart from the mark as shown.
For Wire, Billets, Blooms, Rough Turned and Finished Forgings, Castings, Plates, Sheets, Frogs, Switches, All Made of Ferrous Metal, and Strip Steel, Tin Plate, Tool Steel.
Claims use since July, 1931.

Ser. No. 388,674. DURO-LIFE BEARINGS CORPORATION, Chicago, Ill. Filed Feb. 9, 1937.

DURO-LIFE BRONZE

The word "Bronze" is disclaimed apart from the mark.
For Bronze Castings.
Claims use since Jan. 1, 1931.

CLASS 15

Oils and Greases

Ser. No. 377,027. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Apr. 9, 1936.

ESSOFLEET

For Refined, Semirefined, and Unrefined Oils Made from Petroleum, Both With and Without Admixture of Animal, Vegetable, or Mineral Oils, for Power, Fuel, and Lubricating Purposes, and Lubricating Greases.
Claims use since Mar. 11, 1936.

Ser. No. 388,462. PARAGON OIL COMPANY, INC., Brooklyn, N. Y. Filed Feb. 2, 1937.

Parahead

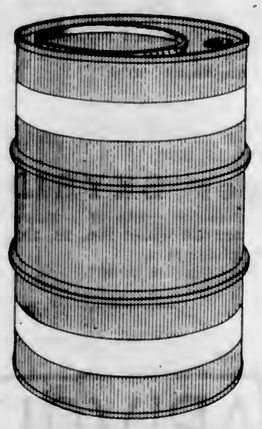
For Lubricating Oils and Greases.
Claims use since Sept. 1, 1936.

Ser. No. 389,166. BAY OIL COMPANY, INC., Providence, R. I. Filed Feb. 20, 1937.

homestead

For Range and Furnace Fuel Oils.
Claims use since Feb. 11, 1937.

Ser. No. 389,488. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Feb. 27, 1937.



The drawing is shaded to indicate a maroon colored drum with circumferential white stripes. The representation of the drum per se is disclaimed.
For Lubricating Oils and Greases.
Claims use since Dec. 29, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 388,155. TRUSCON LABORATORIES, INC., Detroit, Mich. Filed Jan. 25, 1937.

PAINT SAFETY

All wording is disclaimed apart from the mark.
For Wall Paints, Metal Paints, Waterproof Paints, Street Marking Paints, and Paint Enamels.
Claims use since Dec. 1, 1936.

Ser. No. 389,013. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass. Filed Feb. 17, 1937.

EASTERN STATES COOPERATIVE

The word "Cooperative" is disclaimed apart from the mark.
For Ready Mixed Paints, Varnishes, and Paint Enamels.
Claims use since Nov. 20, 1936.

Ser. No. 389,331. SAPOLIN CO. INC., New York, N. Y. Filed Feb. 24, 1937.



The representation of the container is disclaimed apart from the mark shown. The drawing is lined for shading.
For Ready Mixed Paints, Paint Enamels, Varnishes, Stains, Lacquers, Metallic Paints, Furniture Polish, Polishing Cream, and Liquid and Paste Wax for Furniture, Floors, and the Like.
Claims use since 1928.

Ser. No. 390,106. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Mar. 13, 1937.

MONASTRAL

For Paint Pigments.
Claims use since Aug. 25, 1936.

CLASS 17

Tobacco Products

Ser. No. 389,403. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Filed Feb. 26, 1937.

PINTO

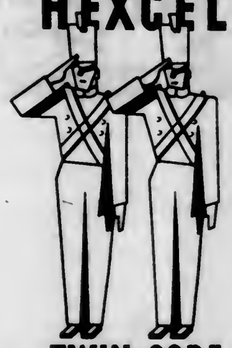
For Cigarettes, Smoking Tobacco, Chewing Tobacco, and Snuff.
Claims use since Feb. 16, 1937.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 361,802. HEXCEL RADIATOR COMPANY, Racine, Wis. Filed Feb. 25, 1935.

HEXCEL



TWIN-CORE

The words "Twin-Core" are disclaimed apart from the mark.
For Automobile Radiators.
Claims use since Jan. 15, 1935.

Ser. No. 387,789. LION PRODUCTS CO., Lynn, Mass. Filed Jan. 14, 1937.

Sleetchaser

For Vehicle Windshield Defrosters.
Claims use since May, 1933.

Ser. No. 389,072. J. B. JUDKINS COMPANY, Merrimac, Mass. Filed Feb. 18, 1937.

The Romany

For Trailers.
Claims use since Nov. 9, 1936.

Ser. No. 389,482. THE SLEETEX COMPANY, INC., New York, N. Y. Filed Feb. 27, 1937.

SLEET-ERASER

For Vehicle Windshield Wiper Blades.
Claims use since Jan. 6, 1937.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 385,179. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y. Filed Nov. 5, 1936.

ACOUSTICON MYSTIC EAR

Applicant is owner of T. M. Reg. No. 39,409, renewed.
Applicant claims ownership of trade-mark Certificate No. 39,409 issued Dec. 2, 1902.
For Radio Receiving Sets, Radio Receiving Sets Combined With Audible Signal Making Attachments, and Audible Signal Making Attachments for Radio Receiving Sets.
Claims use since Nov. 2, 1936.

Ser. No. 387,342. THE NASH ENGINEERING COMPANY, South Norwalk, Conn. Filed Dec. 31, 1936.

ALTERCHRON

For Automatic Electric Switch to Cause Alternate Operation of Electric Devices at Predetermined Time Intervals.
Claims use since Nov. 5, 1935.

Ser. No. 387,902. THE HALLICRAFTERS, INC., Chicago, Ill. Filed Jan. 18, 1937.

Skyrider Commercial

The word "Commercial" is disclaimed apart from the mark.
Applicant claims ownership of registered trade-mark Certificate No. 322,050 issued Feb. 26, 1935.
For Radio Receiving Sets.
Claims use since August, 1936.

Ser. No. 387,903. THE HALLICRAFTERS, INC., Chicago, Ill. Filed Jan. 18, 1937.

Super SKYRIDER

Applicant claims ownership of registered trade-mark Certificate No. 322,050 issued Feb. 26, 1935.
For Radio Receiving Sets.
Claims use since October, 1934.

Ser. No. 388,411. REX ELECTRIC COMPANY, Brooklyn, N. Y. Filed Feb. 1, 1937.

VARIVOLT

For Electric Transformers, Rheostats, Resistances, and Circuits.
Claims use since Jan. 1, 1935.

Ser. No. 389,246. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Feb. 23, 1937.

Variable Speed

The words "Variable Speed" and the representation of the machine are disclaimed apart from the mark.
For Power Units That Embody an Electric Motor and Transmission Mechanism for Controlling and Permitting Alteration of, the Speed of the Output Power Member.
Claims use since Dec. 13, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 388,287. STEPHENS PRODUCTS CO. INC., New York and Long Island City, N. Y. Filed Jan. 23, 1937.

AUTO-MAGIC

For Toy Gun Which Projects Pictures.
Claims use since Nov. 21, 1936.

Ser. No. 389,531. SKYMASTERS, INC., Cincinnati, Ohio. Filed Mar. 1, 1937.

MIKE-O-FONE

For Toy Telephone.
Claims use since Feb. 20, 1937.

Ser. No. 389,878. HALSAM PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 10, 1937.

HI-LO

For Toy Blocks.
Claims use since Feb. 1, 1937.

Ser. No. 390,032. WEISS-PATINKIN COMPANY, Chicago, Ill. Filed Mar. 13, 1937.

Blue Streak

For Certain Sporting Goods—Namely, Indoor and Outdoor Soft Baseballs.
Claims use since April, 1936.

Ser. No. 390,144. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Mar. 16, 1937.

Skyward

For Golf Balls.
Claims use since Mar. 5, 1937.

Ser. No. 390,180. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Mar. 17, 1937.

COAST TO COAST BY TRAILER AND BUS

For Board Game Played With Movable Pieces.
Claims use since Feb. 27, 1937.

Ser. No. 390,181. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Mar. 17, 1937.

OIL

For Board Game Played With Movable Pieces.
Claims use since Mar. 10, 1937.

Ser. No. 390,238. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Mar. 18, 1937.

BARGAIN DAY

For Board Game Played With Movable Pieces.
Claims use since Dec. 3, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 376,202. HALL HARDWARE COMPANY, Minneapolis, Minn. Filed Mar. 20, 1936.

CHALLENGER

For All and Miscellaneous Hand and Bench Tools and Merchandise—Namely, Awls, Axes, Bits, Bit Braces, Bush Hooks, Bending Brakes, Bench Stakes, Chisels, Clamps for Carpenters and Cabinet Makers, Crimping Tools and Machines, Cutting Knives; Drills, Hand and Breast; Forms for Shaping Sheet Metal, Forms for Closing Eave Trough Ends, Gouges, Grass Shears, Grinders for Tools, Grooving Tools and Machines, Hammers, Hatchets, Handles for Tools, Mallets, Mandrels, Nippers, Notching Tools, Planes, Plane Irons, Shears, Punches, Reels for Wire, Rivet Sets, Roof Rippers, Scrapers, Screw Drivers, Seaming Tools; Shears, Hand, Foot, and Power; Slatter Brakes and Hand Tools, Soldering Coppers, Snippers, Tinners' Hand Tools, Tongs for Tinners and Roofers; Tools and Machines, Hand, Foot, and Power, for Cutting, Punching, Shaping, Beading, Corrugating, Burring, Crimping, Double Seaming, Edging, Flanging, Folding, Forming, Grooving and Setting Down, Slitting, and Trimming Sheet Metal, Pipe, Box and Pan Forming; Tools and Machines for Wire Bending; Vises; Wire Forming and Wiring Machines, Wrecking Bars; and Wrenches.
Claims use since Sept. 1, 1935.

Ser. No. 389,247. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Feb. 23, 1937.

Variable Speed

The words "Variable Speed" and the representation of the machine are disclaimed apart from the mark.
For Mechanical Gearing for Applying Motive Power to Shafting.
Claims use since Dec. 13, 1935.

Ser. No. 389,626. AUGUST WIEBKE, doing business as Standard Parts Co., Los Angeles, Calif. Filed Mar. 3, 1937.

MICRONIZER

For Machines for Expanding Pistons and the Like.
Claims use since Feb. 27, 1937.

Ser. No. 389,669. BISSELL CARPET SWEEPER CO., Grand Rapids, Mich. Filed Mar. 5, 1937.

FLIGHT

For Carpet Sweepers.
Claims use since Feb. 18, 1937.

Ser. No. 389,712. ANCO CORPORATION, Pittsburgh, Pa. Filed Mar. 6, 1937.

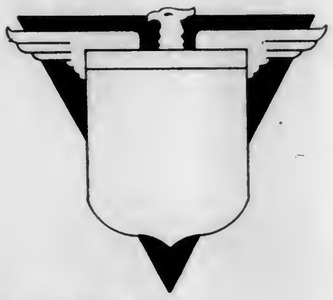
ANCO

For Razor Blades.
Claims use since Jan. 10, 1936.

CLASS 25

Locks and Safes

Ser. No. 389,709. AMERICAN LOCKER COMPANY, INC., Boston, Mass. Filed Mar. 6, 1937.



For Parcel Checking Lockers.
Claims use since June 5, 1935.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 384,036. HARMONT SOFT LIGHT LENSE CORPORATION, New York, N. Y. Filed Oct. 6, 1936.



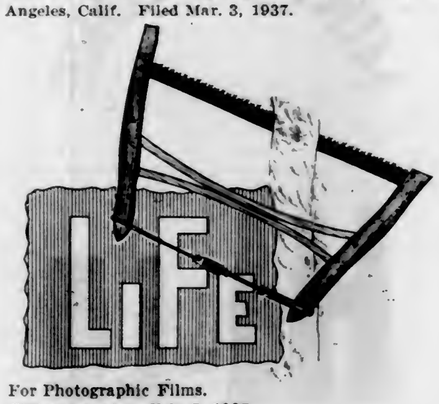
For Optical Lenses.
Claims use since Jan. 15, 1936.

Ser. No. 387,286. M. H. RHODES, INC., New York, N. Y. Filed Dec. 30, 1936.

Clock-Watcher

For Time-Controlled Devices—Namely, Non-Electrical Alarms.
Claims use since July 1, 1936.

Ser. No. 389,610. LESLIE VERNON LARSON, West Los Angeles, Calif. Filed Mar. 3, 1937.



For Photographic Films.
Claims use since Feb. 5, 1937.

CLASS 27

Horological Instruments

Ser. No. 388,801. E. M. ROSENTHAL JEWELRY CO., Washington, D. C. Filed Feb. 11, 1937.

PAUL BREGUETTE

Paul Breguette was a well-known French horologist, now deceased.
For Watches.
Claims use since Nov. 14, 1936.

Ser. No. 389,788. ARTHUR FRIENDLICH, Brooklyn, N. Y. Filed Mar. 8, 1937.

TIMEPACT

For Combined Cosmetic Compact and Watch.
Claims use since September, 1936.

Ser. No. 389,888. SCOTCH PRODUCTS INCORPORATED, New York, N. Y. Filed Mar. 10, 1937.

COMMUTO

For Clocks and Watches.
Claims use since Feb. 28, 1937.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 389,339. THE WATSON COMPANY, Attleboro, Mass. Filed Feb. 24, 1937.

JULIANA

For Flatware and Hollowware Composed Wholly or in Part of Silver.
Claims use since Feb. 8, 1937.

Ser. No. 389,421. SAMUEL KOSHERS, New York, N. Y. Filed Feb. 26, 1937.

QUEEN-O-LOVE

For Finger Rings of Precious Metal and for Mountings Therefor.
Claims use since Oct. 10, 1936.

Ser. No. 389,469. OSTBY AND BARTON COMPANY, Providence, R. I. Filed Feb. 27, 1937.

OST BAR

For Jewelry for Personal Wear or Adornment, Particularly Finger-Rings, Not Including Watches.
Claims use since Jan. 1, 1937.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 388,360. MIDWAY CHEMICAL CO., Chicago, Ill. Filed Jan. 30, 1937.

GlovRmop

For Dust Mops, Polish Mops, Oil Mops, and Dusters.
Claims use since Jan. 26, 1937.

CLASS 31

Filters and Refrigerators

Ser. No. 389,787. HOLCOMB & HOKE MANUFACTURING COMPANY, Indianapolis, Ind. Filed Mar. 8, 1937.

PORCELIKE

For Refrigerated Show Cases.
Claims use since Sept. 1, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 375,211. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Feb. 25, 1936.



The term "Edgewood" is disclaimed apart from the representation shown.
For Metal Furniture—Namely, Gliders and Chairs.
Claims use since November, 1935.

Ser. No. 388,448. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md. Filed Feb. 2, 1937.

BLUE CLOUD

For Cotton Mattresses, Cotton Felt Mattresses, Hair Mattresses, Lambs Wool Mattresses, Mattresses with Innerspring Center, Cushions, Studio Couches, Box Springs, and Pillows.
Claims use since Nov. 1, 1932.

Ser. No. 388,449. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md. Filed Feb. 2, 1937.

CLOUD

For Cotton Mattresses, Cotton Felt Mattresses, Hair Mattresses, Lambs Wool Mattresses, Mattresses with Innerspring Center, Cushions, Studio Couches, Box Springs, and Pillows.
Claims use since Nov. 1, 1932.

Ser. No. 388,451. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md. Filed Feb. 2, 1937.

FLEECY CLOUD

For Cotton Mattresses, Cotton Felt Mattresses, Hair Mattresses, Lambs Wool Mattresses, Mattresses with Innerspring Center, Cushions, Studio Couches, Box Springs, and Pillows.
Claims use since Nov. 1, 1932.

Ser. No. 388,452. THE INTERNATIONAL BEDDING COMPANY, Baltimore, Md. Filed Feb. 2, 1937.

GRAY CLOUD

For Cotton Mattresses, Cotton Felt Mattresses, Hair Mattresses, Lambs Wool Mattresses, Mattresses with Innerspring Center, Cushions, Studio Couches, Box Springs, and Pillows.
Claims use since Jan. 1, 1932.

Ser. No. 389,406. CLOPAY CORPORATION, Cincinnati, Ohio. Filed Feb. 26, 1937.

MIRAY

For Window Shades.
Claims use since Feb. 15, 1937.

CLASS 33

Glassware

Ser. No. 386,799. FISH-SCHURMAN CORPORATION, New York, N. Y. Filed Dec. 16, 1936.

FS

For Optical Glass, Spectacle Glass in Sheets and Squares, Polished Sheet Glass, Welding Glass, Window Glass, Glass Tubing, Cane Glass, Mirror Glass, and Lead Glass in Sheets.
Claims use since Nov. 13, 1936.

CLASS 37

Paper and Stationery

Ser. No. 389,390. THE WASP PEN CO. INC., Fort Madison, Iowa. Filed Feb. 25, 1937.

The WASP CLIPPER

For Fountain Pens, Mechanical Pencils, and Combination Pens and Pencils.
Claims use since Nov. 27, 1936.

Ser. No. 389,476. RIEGEL PAPER CORPORATION, Riegelsville, N. J., and New York, N. Y. Filed Feb. 27, 1937.

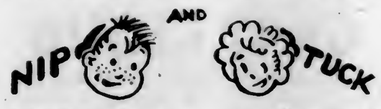
THREE-IN-ONE

For Grease-Proof Paper.
Claims use since Feb. 24, 1936.

CLASS 38

Prints and Publications

Ser. No. 377,689. A. J. KNUTSON, doing business as Nip and Tuck, Kansas City, Mo. Filed Apr. 27, 1936.



For Stamps of the Nature to be Affixed in Albums, Membership Cards, and Mailing Cards.
Claims use since Apr. 1, 1936.

Ser. No. 380,443. GLENN B. DORR, Hartford, Conn. Filed June 30, 1936.

I'm a Connecticut Yankee

For House Organ Published Weekly.
Claims use since June 3, 1936.

Ser. No. 388,173. THE MODELMAKER CORPORATION, Wauwatosa, Wis. Filed Jan. 25, 1937.

The Model Railroader

For Periodical.
Claims use since January, 1936.

Ser. No. 388,335. EDWARD C. VICK, doing business as Garden Information Bureau, Newark, N. J. Filed Jan. 29, 1937.

All About Gardening

For Pamphlet Publications Dealing With Horticultural Subjects, Said Pamphlet Publications Being Issued From Time to Time and at Least Two or More Times Annually.
Claims use since Dec. 10, 1936.

Ser. No. 388,497. H. GERNSBACK, doing business as The Facts of Life, New York, N. Y. Filed Feb. 3, 1937.

THE Facts of Life

For Monthly Publication Devoted to Personal Hygiene.
Claims use since Dec. 21, 1936.

Ser. No. 389,154. REGAL PRESS, INC., Chicago, Ill. Filed Feb. 19, 1937.

DAILY RACING BAROMETER

For Racing Publication.
Claims use since Jan. 5, 1937.

CLASS 39

Clothing

Ser. No. 387,054. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed Dec. 23, 1936.

"ASTRA"

For Corsets, Brassières, Girdles, Bath Robes, Negligees, House Dresses, and Rayon and Silk Underwear.
Claims use since Aug. 1, 1934.

Ser. No. 387,064. GORSON CLOTHES, INC., New York, N. Y. Filed Dec. 23, 1936.

SILVER PACA

For Men's Overcoats and Topcoats.
Claims use since Oct. 4, 1935.

Ser. No. 388,198. ABRAHAM MANDEL, doing business as Bellmore Neckwear Co., New York, N. Y. Filed Jan. 26, 1937.

Balmy Beach

For Neckties and Mufflers.
Claims use since January, 1937.

Ser. No. 388,340. I. ASKINAS & SON, New York, N. Y. Filed Jan. 29, 1937.

GLEN OAKS

For Men's and Boys' Suits, Top Coats, Overcoats, Mackinaws, and Ski Outer Apparel Covering Zipper Lumber Jackets Made from Woolen and Cotton Fabrics; Ski Trousers Made from Woolen and Cotton Fabrics; Zipper Jackets with Hoods Made from Woolen and Cotton Fabrics.
Claims use since Dec. 11, 1934.

Ser. No. 388,469. STEPHEN-RAJKI, INC., Cleveland, Ohio. Filed Feb. 2, 1937.

WRINKLEFREE CRAVAT



The words "Wrinklefree Cravat" are disclaimed apart from the mark.
For Cravats.
Claims use since Dec. 8, 1936.

Ser. No. 388,543. ROCHESTER CLOTHING CO. INC., New York, N. Y. Filed Feb. 4, 1937.



The word "Fleece" is disclaimed apart from the mark.
For Men's Top Coats and Men's Overcoats.
Claims use since Oct. 20, 1936.

Ser. No. 388,634. BOFINGER & KLINGLER, INC., San Francisco, Calif. Filed Feb. 8, 1937.

"QUARTER BACK"

For Sweaters for Men and Women.
Claims use since Aug. 25, 1936.

Ser. No. 388,684. RIEGEL TEXTILE CORPORATION, New York, N. Y. Filed Feb. 9, 1937.

LANCER

For Men's Outer Shirts.
Claims use since Jan. 20, 1937.

Ser. No. 388,752. ARONSON-CAPLIN COMPANY, INC., New York, N. Y. Filed Feb. 11, 1937.

"It's smart to wear a SEAMPRUFE because it's a better slip"

All wording except "Seamprufe" is disclaimed apart from the mark shown.

For Women's Apparel Comprising Slips, Bloomers, Petticoats, Nightgowns, Pajamas, Chemises, Step-ins, Panties.

Claims use since Dec. 1, 1934.

Ser. No. 388,788. MAYFAIR COATS, INC., New York, N. Y. Filed Feb. 11, 1937.



The words "Exclusive", "Warmth Without Weight", and "Zephyr Fleece" are disclaimed apart from the mark.

For Women's and Misses' Coats and Suits.

Claims use since Jan. 1, 1936.

Ser. No. 389,039. THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio. Filed Feb. 17, 1937.

Prep-Grad

For Male Students' Suits.

Claims use since April, 1932.

Ser. No. 389,179. HENRY THE HATTER, INC., Detroit, Mich. Filed Feb. 20, 1937.



For Men's and Boys' Hats and Caps.

Claims use since January, 1937.

Ser. No. 389,227. G. H. BASS & Co., Wilton, Maine. Filed Feb. 23, 1937.

HALF-BREED

For Boots, Shoes, Slippers, and Moccasins of Leather, Rubber, and Fabric, or Combinations Thereof.

Claims use since Mar. 15, 1935.

Ser. No. 389,242. GEIMAN & BIRNBAUM, New York, N. Y. Filed Feb. 23, 1937.

Ultra Luxe Furs

The word "Furs" is disclaimed apart from the mark as shown.

For Women's and Misses' Fur Coats.

Claims use since Jan. 15, 1937.

Ser. No. 389,314. JULIUS GUTMAN & CO., INC., Baltimore, Md. Filed Feb. 24, 1937.

PAR LEX

For Men's and Boys' Dress, Negligee, and Work Shirts.

Claims use since November, 1936.

Ser. No. 389,340. WELL MADE BLOOMER CO., INC., Brooklyn, N. Y. Filed Feb. 24, 1937.



For Sport Shirts.

Claims use since Feb. 1, 1936.

Ser. No. 389,358. JULIUS GUTMAN & CO., INC., Baltimore, Md. Filed Feb. 25, 1937.

Lady Louise

For Women's Hosiery, Silk and Rayon Underwear—Namely, Slips, Chemises, and Panties, Nightgowns, Corsets, and Brassières.

Claims use since Jan. 1, 1935.

Ser. No. 389,438. ROSENAU BROS. INC., Philadelphia, Pa. Filed Feb. 26, 1937.

CINDERELLA'S COACH



"the sign of children's smart frocks"

The wording "The Sign of Children's Smart Frocks" is disclaimed apart from the mark.

For Children's Dresses, Rompers, and Play-Suits.

Claims use since Dec. 4, 1936.

Ser. No. 389,464. KRAFT HAT MANUFACTURERS, INC., New York, N. Y. Filed Feb. 27, 1937.

Monitor

For Boys' and Men's Hats.

Claims use since Feb. 9, 1937.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 387,488. AMERICAN MERCHANDISE CO. INC., New York, N. Y. Filed Jan. 6, 1937.

FIRE PLACE

For Needles for Hand Use.

Claims use since Dec. 21, 1936.

Ser. No. 387,489. AMERICAN MERCHANDISE CO. INC., New York, N. Y. Filed Jan. 6, 1937.

PRIMA DONNA

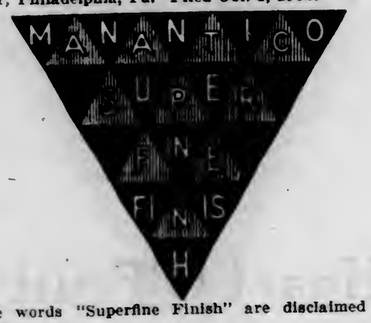
For Needles for Hand Use.

Claims use since Dec. 21, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 384,130. THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa. Filed Oct. 8, 1936.



The words "Superfine Finish" are disclaimed apart from the mark.

For Cotton Piece Goods.

Claims use since Nov. 29, 1919.

Ser. No. 387,253. PARAMOUNT APPAREL INC., New York, N. Y. Filed Dec. 29, 1936.

PETALSKIN

For Silk Piece Goods and Rayon Piece Goods.

Claims use since Dec. 21, 1936.

Ser. No. 388,134. E. S. FRENEAU & COMPANY, New York, N. Y. Filed Jan. 25, 1937.



The words "Kenya" and "Fabric" are disclaimed apart from the mark.

For Woven Fabrics in the Piece, Including Rayon Fabrics, Rayon and Acetate Fabrics, Rayon and Cotton Fabrics, Acetate and Cotton Fabrics, Rayon, Wool, and Cotton Fabrics, Acetate and Cotton Fabrics, Rayon, Wool, and Cotton Fabrics, and Acetate, Wool, and Cotton Fabrics.

Claims use since Nov. 28, 1936.

Ser. No. 388,153. G. & M. TEXTILE CO., INC., New York, N. Y. Filed Jan. 25, 1937.

kólyle

For Piece Goods of Wool, Cotton, and Silk.

Claims use since Dec. 11, 1936.

Ser. No. 388,737. BOTANY WORSTED MILLS, Passaic, N. J. Filed Feb. 11, 1937.

Rustic Crash

The word "Crash" is disclaimed apart from the mark shown.

For Woolen Piece Goods.

Claims use since Oct. 20, 1936.

CLASS 43

Thread and Yarn

Ser. No. 388,515. RYERSON IMPORTERS, Detroit, Mich. Filed Feb. 3, 1937.

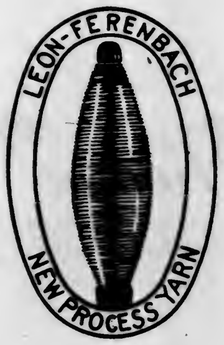


The words "Yarn for Babies" are disclaimed apart from the mark. The portrait is fanciful.

For Woolen Yarns.

Claims use since Dec. 14, 1936.

Ser. No. 388,783. THE LEON FERENBACH SILK COMPANY, INC., New York, N. Y. Filed Feb. 11, 1937.



The words "New Process Yarn" and the representation of the bobbin of yarn are disclaimed apart from the mark shown.
For Silk and Rayon Yarn.
Claims use since Feb. 1, 1937.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 382,962. SHARON LABORATORIES, INCORPORATED, St. Paul, Minn. Filed Sept. 5, 1936.



The word "Sharon" is disclaimed apart from the mark.
For Hair Waving Pads.
Claims use since Aug. 26, 1936.

Ser. No. 383,133. KRESGE DEPARTMENT STORE, NEWARK, Newark, N. J. Filed Sept. 11, 1936.

KREST

For Sanitary Napkins, Adhesive Tape, Absorbent Cotton, First Aid Kits, Athletic Supporters, Corn and Foot Pads, Bands and Bandages of Various Types, Hair Waving Pads, Manicure Sets, Rubber Hot Water Bottles and Syringes, Atomizers, and Catamenial Bandages.
Claims use since 1931.

Ser. No. 388,156. NATHAN UHLER, doing business as Coralite Dental Products Co., Chicago, Ill. Filed Jan. 25, 1937.

fixene

For Chemical Compound Used to Repair All Types of Dentures and False Teeth.
Claims use since Jan. 4, 1937.

Ser. No. 389,226. AUTOMATIC MUSICAL INSTRUMENT COMPANY, doing business as A. M. I. Distributing Company, Grand Rapids, Mich. Filed Feb. 23, 1937.

ELECTRO-VAC

For Electric Massage, Vacuum, Pressure, Atomizer, and Vibrator Apparatus.
Claims use since Oct. 1, 1936.

Ser. No. 389,503. C. DE WITT LUKENS CO., St. Louis, Mo. Filed Mar. 1, 1937.

Faschoid

For Surgical Sutures.
Claims use since Dec. 21, 1936.

Ser. No. 389,504. DOCTOR AND MRS. CRUM, Indianapolis, Ind. Filed Mar. 1, 1937.

LITRONATOR

For Etheric Vibrators for Developing Etheric Waves to Increase the Strength and Vigor of Human Beings and Other Animals and for the Treatment of Disease.
Claims use since Nov. 20, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 380,869. MONROE HARRISON, Chicago, Ill. Filed July 10, 1936.

Heart O'Fruit

For Orange Juice Beverages and Orange Concentrates for Beverage Purposes.
Claims use since May 18, 1936.

Ser. No. 387,402. LOTTIE SKRABSKY, doing business as Cohasset Club Beverage Co., Youngstown, Ohio. Filed Jan. 2, 1937.



The words "Champagne Cider" are disclaimed from the mark as shown.
For Nonalcoholic, Carbonated Beverages.
Claims use since June 10, 1936.

Ser. No. 389,054. CONSOLIDATED BEVERAGES LIMITED, Toronto, Ontario, Canada. Filed Feb. 18, 1937.



All words except the name "O'Keefe's" and the representations of the labels per se are disclaimed.
For Non-Alcoholic Maltless Beverage Sold as a Soft Drink.
Claims use since Apr. 1, 1935.

Ser. No. 389,060. THE FITGER BREWING COMPANY, Duluth, Minn. Filed Feb. 18, 1937.

SCOT SODA

The word "Soda" is disclaimed apart from the mark.
For Non-Alcoholic Maltless Beverages.
Claims use since Sept. 12, 1936.

CLASS 46

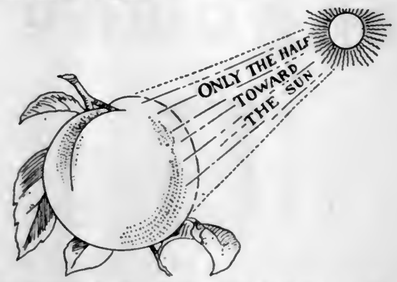
Foods and Ingredients of Foods

Ser. No. 375,192. DAVID PENDER GROCERY COMPANY, Norfolk, Va. Filed Feb. 25, 1936.

Nu-Treat

For Salad Dressing, Sandwich Spread, Mayonnaise, Vegetable Relish, Mustard, Pickles, and Relish Spread of a Pasty Nature Used for Spreading Over Meats, Vegetables, Sandwiches, and Other Articles of Food.
Claims use since August, 1935.

Ser. No. 376,266. HENRY A. DIENST, Columbus, Ohio. Filed Mar. 23, 1936.



The representation of the peach and the words "only the half toward the sun" are disclaimed apart from the mark.
For Canned Fruits.
Claims use since Mar. 1, 1936.

Ser. No. 377,895. W. R. GRACE & Co., New York, N. Y. Filed May 1, 1936.

GRACE EGUMA

For Coffee.
Claims use since Jan. 1, 1927.

Ser. No. 377,897. W. R. GRACE & Co., New York, N. Y. Filed May 1, 1936.

GRACE PPP

For Coffee.
Claims use since Jan. 1, 1927.

Ser. No. 377,899. W. R. GRACE & Co., New York, N. Y. Filed May 1, 1936.

GRACE RESCA

For Coffee.
Claims use since Jan. 1, 1927.

Ser. No. 381,286. PRATT-LOW PRESERVING CO., Santa Clara, Calif. Filed July 21, 1936.

SUMMER QUEEN

For Canned Fruits, Canned Vegetables, Fruit Juice and Vegetable Juice for Food Purposes.
Claims use since Sept. 30, 1915.

Ser. No. 382,251. WASON BROS. CO. INC., Seattle, Wash. Filed Aug. 15, 1936.

OLD GOVERNMENT
MOCOCA

For Coffee.
Claims use since Dec. 20, 1928.

Ser. No. 385,877. BRADWAY CHOCOLATE CO. INC., New Castle, Ind. Filed Nov. 23, 1936.

BRADWAY



The name "Bradway" is disclaimed apart from the mark.
For Chocolate Syrup for Use in the Manufacture of Food Beverages, Ice Cream, and Candies, and Also Used as a Topping for Ice Cream and Other Food Desserts.
Claims use since November, 1933.

Ser. No. 388,278. PULVER COMPANY, INC., Rochester, N. Y. Filed Jan. 28, 1937.



For Chewing Gum.
Claims use since Sept. 2, 1936.

Ser. No. 388,283. SIMMONS BROKERAGE CORPORATION, doing business as J. D. Simmons Company, Tampa, Fla. Filed Jan. 28, 1937.

FLORI-PAK

The word "Pak" is disclaimed apart from the mark shown.
For Canned Grapefruit and Grapefruit Juice for Food Purposes.
Claims use since Jan. 16, 1937.

Ser. No. 388,964. STUART C. THOMPKINS, doing business as Stuart C. Thompkins & Co., San Francisco, Calif. Filed Feb. 15, 1937.

CHINA BOY



For Soy Sauce, Rice, Tea, Tomato Catsup, Cocoa, Chocolate, Candy, Canned Tomato Paste, Dried Soy Beans, Cheese, Nuts in Their Natural State, Sandwich Spread of Pickles, Pimientos, Olives, Salad Dressing and Spices; Flavoring Extracts for Food Purposes, Canned Pork and Beans, Honey, Crackers, Breakfast Cereals, Prepared Pastry Flour, Marshmallows, Canned Hominy, Salad Dressing, Potato Chips, Pretzels, Cookies, Mincemeat, Canned Fruit, Canned Fish, Canned Fruit and Vegetable Juices for Food Purposes, Baking Powder, Spices, Sauce for Flavoring and Seasoning Foods, Coffee, Worcestershire Style Sauce, Canned Evaporated Milk, Peanut Butter, Gelatin Dessert, Custard Dessert, Alimentary Paste Products, Pickles, Raisins, Sugar, Salt, Desiccated Cocoanut, Dried Fruits, Chewing Gum, Ice Cream Mix, Mayonnaise Dressing, Malted Milk, Popcorn in Its Natural State, Molasses, Table Syrup, Canned Soups, Nut Margarine, Vegetable Margarine, Jelly Powder, Jams, Jellies, Horseradish, Meat Extracts, Dried Beans, Vinegar, Salad Oil and Prepared Mustard.
Claims use since Feb. 5, 1937.

Ser. No. 388,979. ADOLPH GOLDMARK & SONS CORP., doing business as Clovis Trading Co., New York, N. Y. Filed Feb. 16, 1937. Under 10-year proviso.

MARTEL

For Canned Fish.
Claims use since 1890.

Ser. No. 389,137. JOE LOWE CORPORATION, New York, N. Y. Filed Feb. 19, 1937.

FREE - ZEE

For Frozen Confections.
Claims use since Feb. 11, 1937.

Ser. No. 389,140. JOE LOWE CORPORATION, New York, N. Y. Filed Feb. 19, 1937.

TWI NIKL

For Frozen Confections.
Claims use since Feb. 5, 1937.

Ser. No. 389,334. ARTHUR SHANNON, Columbus, Ohio. Filed Feb. 24, 1937.

Bo-Po's

For Dietary Dressing for Use in Cooking Foods and in Salads.
Claims use since March, 1936.

Ser. No. 389,428. NORTHWEST POWDERED FRUIT LABORATORIES, INC., Yakima, Wash. Filed Feb. 26, 1937.

Po-Ap

For Powdered and Dehydrated Apples.
Claims use since Jan. 2, 1937.

Ser. No. 389,436. W. R. ROACH & COMPANY, Grand Rapids, Mich. Filed Feb. 26, 1937.

WOLVERINE

For Canned Fruits and Canned Vegetables.
Claims use since September, 1909.

Ser. No. 389,498. BLISH MILLING COMPANY, Seymour, Ind. Filed Mar. 1, 1937.

MASPAN

For Wheat Flour.
Claims use since Feb. 1, 1914.

Ser. No. 389,544. CRAWFORD PRODUCE COMPANY, INC., San Benito, Tex. Filed Mar. 2, 1937.

SUM-BOY



The little boy is the infant son of Lee Roy Crawford, secretary-treasurer of applicant company.
For Fresh Vegetables and Fresh Citrus Fruits.
Claims use since Feb. 3, 1937.

Ser. No. 389,560. INDIAN RIVER ASSOCIATES, INC., Vero Beach, Fla. Filed Mar. 2, 1937.

CHIEF SLEEPY-EYE

For Fresh Citrus Fruits.
Claims use since Feb. 11, 1937.

Ser. No. 389,663. STICKNEY & POOR SPICE CO., Charlestown (Boston district), Mass. Filed Mar. 4, 1937.

MIRACLE MAID

For Baking Powder.
Claims use since Dec. 9, 1936.

Ser. No. 389,690. NATIONAL COAST PRODUCTS CORPORATION, Swedesboro, N. J. Filed Mar. 5, 1937.

Lykit

For Canned Dog and Cat Food.
Claims use since Dec. 3, 1936.

Ser. No. 389,756. STANDARD MILLING COMPANY, New York, N. Y. Filed Mar. 6, 1937.

SOUTHERN MAGIC

For Wheat Flour.
Claims use since Nov. 7, 1936.

Ser. No. 389,790. LAKELAND HIGHLANDS COOPERATIVE ASSOCIATION, Highlands City, Fla. Filed Mar. 8, 1937.

SADDLE

For Fresh Citrus Fruits.
Claims use since Feb. 24, 1936.

Ser. No. 389,879. HERNDON FRUIT COMPANY, McAllen, Tex. Filed Mar. 10, 1937.



For Fresh Citrus Fruits.
Claims use since Nov. 18, 1936.

Ser. No. 389,881. L. MAXCY, INC., Frostproof, Fla. Filed Mar. 10, 1937.

IBIS

For Fresh Citrus Fruits.
Claims use since 1928.

CLASS 48

Malt Beverages and Liquors

Ser. No. 389,183. JACKSON BREWING CORPORATION, Detroit, Mich. Filed Feb. 20, 1937.

CREAM OF CINCINNATI

For Beer, Ale, Stout, and Porter.
Claims use since Jan. 19, 1937.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 385,606. H. C. RAMOS, LTD. INCORPORATED, New Orleans, La. Filed Nov. 16, 1936. Under section 5b of the act of 1905, as amended in 1920.

RAMOS'

For Gins and Alcoholic Cocktails.
Claims use since 1886.

Ser. No. 386,225. JOSÉ M. SANDE, doing business as Compañía Puertorriqueña de Ron, San Juan, P. R. Filed Dec. 2, 1936.



For Rum.
Claims use since Nov. 4, 1936.

Ser. No. 386,444. RARITAN DISTILLERS CORP., Perth Amboy, N. J. Filed Dec. 7, 1936.

Private Number

For Whiskey.
Claims use since Aug. 25, 1936.

Ser. No. 386,502. GUS SINGER, Denver, Colo. Filed Dec. 8, 1936.

OLD NEIGHBOR

For Whiskey.
Claims use since 1906.

Ser. No. 389,198. SACCONE & SPEED LTD., London, England. Filed Feb. 20, 1937.

S S

Highland Milk

SCOTCH WHISKY
(PRODUCE OF SCOTLAND)

Saccone & Speed Ltd
EDINBURGH & LEITH.
Houses at GIBRALTAR, LONDON, EDINBURGH, PORTSMOUTH, CHATHAM, DEVONPORT, and MALTA

All wording except "Highland Milk" and the letters "S S" is disclaimed apart from the mark.
For Whisky.
Claims use since July 25, 1936.

Ser. No. 389,481. SIDONEY DISTILLING CORPORATION, Philadelphia, Pa. Filed Feb. 27, 1937.



GLADSTONE
Distilled London Dry
GIN

The words "Distilled London Dry Gin" are disclaimed apart from the mark. The picture is that of William Ewart-Gladstone, British statesman, deceased.
For Distilled Gin.
Claims use since Oct. 2, 1936.

Ser. No. 389,571. SCHIEFFELIN & Co., New York, N. Y. Filed Mar. 2, 1937.

HENNESSY



No claim is made to any of the spoken symbols except the names "Hennessy", "Jas. Hennessy & Co.", and "Schieffelin & Co." apart from the mark shown.
For Brandy.
Claims use since 1861.

Ser. No. 389,572. SCHIEFFELIN & Co., New York, N. Y. Filed Mar. 2, 1937.

TEACHER'S
"HIGHLAND CREAM"
Perfection of Blended
Scotch Whisky
DISTILLED, BLENDED AND BOTTLED BY
WM TEACHER & SONS, LTD
GLASGOW
SCOTLAND





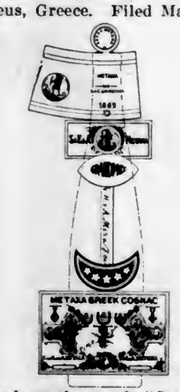
No claim is made to any of the spoken symbols except "Teacher's Highland Cream", the monogram, and the name "Wm. Teacher & Sons, Ltd." apart from the mark shown.
For Whisky.
Claims use since September, 1885.

Ser. No. 389,749. RARITAN DISTILLERS CORP., Perth Amboy, N. J. Filed Mar. 6, 1937.

SPRING HOLLOW

For Whiskey.
Claims use since Nov. 27, 1936.

Ser. No. 390,022. ANGELOS S. METAXA, ANDREW S. METAXA, AND GEORGE S. METAXA, doing business as S. & E. & A. Metaxa, Piraeus, Greece. Filed Mar. 13, 1937.



No claim is made to the words "Grandprix" and "Greek Cognac" or to the outline of a bottle apart from the mark shown.
For Brandy.
Claims use since Dec. 14, 1934.

Ser. No. 390,075. LONDON & Co., INC., Elizabeth, N. J. Filed Mar. 15, 1937.

SQUARE SHOOTER

For Whiskey.
Claims use since Sept. 29, 1936.

Ser. No. 390,076. LONDON & Co., INC., Elizabeth, N. J. Filed Mar. 15, 1937.



For Whiskey.
Claims use since Sept. 29, 1936.

Ser. No. 390,091. S. E. RYKOFF & COMPANY, Los Angeles, Calif. Filed Mar. 15, 1937.

DINNER HOUR

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Jan. 30, 1937.

Ser. No. 390,131. JAS. E. PEPPER & COMPANY, Lexington, Ky. Filed Mar. 16, 1937. Under ten-year proviso.

Old Henry Clay

Jas. E. Pepper & Co.

For Whiskey, Brandy, Gin, Rum, and Alcoholic Cordials.
Claims use since 1880.

Ser. No. 390,243. SCHIEFFELIN & Co., New York, N. Y. Filed Mar. 18, 1937.

TWO DAGGER

For Rum.
Claims use since 1825.

Ser. No. 390,342. SCHIEFFELIN & Co., New York, N. Y. Filed Mar. 20, 1937.

THREE DAGGER

For Rum.
Claims use since 1825.

Ser. No. 390,351. BELLOWS & COMPANY, INC., New York, N. Y. Filed Mar. 22, 1937.

TREASURE COVE

For Whiskey.
Claims use since Sept. 15, 1936.

Ser. No. 390,477. W. A. TAYLOR & COMPANY, New York, N. Y. Filed Mar. 24, 1937.

GOVERNMENT HOUSE

For Rum.
Claims use since Mar. 1, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 389,822. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Mar. 9, 1937.

DU PONT

For Rubber Coated Fabrics, Rubber Sheeting, Sponge Rubber Sheeting, Fabrics Coated With Sponge Rubber, and Pyroxylin Coated Fabrics, Used as an Underpad for Rugs to Prevent Slipping.
Claims use since May 8, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 27, 1937

345,355. GASOLINE, LUBRICATING OILS, AND GREASES. NORTH JERSEY OIL CORPORATION, Bloomfield, N. J.
Filed October 11, 1934. Serial No. 357,021. PUBLISHED FEBRUARY 2, 1937. Class 15.

345,356. SAFETY RAZOR BLADES. HENRY J. EDWARDS, doing business as Whippet Blade Co., Boston, Mass.
Filed October 12, 1934. Serial No. 357,047. PUBLISHED FEBRUARY 16, 1937. Class 23.

345,357. TOOTH BRUSHES. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed November 26, 1934. Serial No. 358,653. PUBLISHED APRIL 30, 1935. Class 29.

345,358. RUBBER TIRES FOR VEHICLES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed December 22, 1934. Serial No. 359,603. PUBLISHED NOVEMBER 24, 1936. Class 35.

345,359. GIN, WHISKEY, AND BRANDY. BEAUMART, INC., Bridgeport, Conn., assignor to Oldetyme Distillers, Inc, New York, N. Y., a corporation of New Jersey.
Filed July 5, 1935. Serial No. 366,976. PUBLISHED AUGUST 13, 1935. Class 49.

345,360. EATABLE CONTAINERS CONSISTING OF AN ORDINARY MEXICAN TORTILLA OR OTHER EATABLE MATERIAL WHICH CAN BE FOLDED INTO AN ENVELOPE OR CUP SHAPE SO THAT IT WILL HOLD FOODS. IRA SETH BOYDSTUN, Fort Worth, Tex.
Filed July 5, 1935. Serial No. 366,979. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,361. MOPS. MIDWAY CHEMICAL COMPANY, Chicago, Ill.
Filed October 4, 1935. Serial No. 370,011. PUBLISHED FEBRUARY 16, 1937. Class 29.

345,362. DISPLAY RACKS. THE A. M. LEWIN LUMBER CO., Cincinnati and Madisonville, Cincinnati, Ohio.
Filed October 15, 1935. Serial No. 370,384. PUBLISHED FEBRUARY 16, 1937. Class 32.

345,363. SCRAPPLE, HAM, AND RINDS OF HAM AND BACON. F. G. VOGT & SONS, INCORPORATED, Philadelphia, Pa.
Filed October 28, 1935. Serial No. 370,909. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,364. MILLED GRAIN PRODUCTS AND PREPARATIONS THEREOF, PARTICULARLY POULTRY FOOD AND FOOD FOR LIVESTOCK, INCLUDING CATTLE, SHEEP, AND RABBITS. SPERRY FLOUR COMPANY, San Francisco, Calif.
Filed December 9, 1935. Serial No. 372,438. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,365. MEN'S AND YOUNG MEN'S SUITS, TROUSERS, TOP-COATS, AND OVERCOATS. H. DAROFF & SONS, INC., Philadelphia, Pa.
Filed December 23, 1935. Serial No. 372,962. PUBLISHED FEBRUARY 16, 1937. Class 39.

345,366. GAME BOARD. WILLIAM H. HOFSCHER, Wilkinsburg, Pa.
Filed December 31, 1935. Serial No. 373,216. PUBLISHED FEBRUARY 16, 1937. Class 22.

345,367. LEATHER HOLSTER FOR REGULATION FIREARMS. CHANCY TOY & NOVELTY CORP., Brooklyn, N. Y.
Filed January 27, 1936. Serial No. 374,126. PUBLISHED FEBRUARY 16, 1937. Class 9.

345,368. WAX FOR COATING AND POLISHING WOOD, METAL, AND OTHER SURFACES, AND LACQUER. S. C. JOHNSON & SON, INC., Racine, Wis.
Filed February 10, 1936. Serial No. 374,667. PUBLISHED FEBRUARY 16, 1937. Class 16.

345,369. ALES, BEERS, LAGERS, PORTERS, STOUTS. REGAL BREWING COMPANY LIMITED, Hamilton, Ontario, Canada.
Filed March 25, 1936. Serial No. 376,404. PUBLISHED FEBRUARY 16, 1937. Class 48.

345,370. MAGAZINE PUBLISHED PERIODICALLY DEVOTED TO GOOD FOOD AND BETTER DIET. HOME HEALTH LIBRARY, INC., New York, N. Y.
Filed March 30, 1936. Serial No. 376,587. PUBLISHED FEBRUARY 9, 1937. Class 38.

345,371. VARNISH. THE WARREN REFINING AND CHEMICAL COMPANY, Cleveland, Ohio.
Filed April 10, 1936. Serial No. 377,073. PUBLISHED FEBRUARY 16, 1937. Class 16.

345,372. PAINTERS' STIPPLING AND SERVICING BRUSHES AND SPONGES. MAX RATHUS, doing business as Nu-Texture Company, St. Albans, N. Y.
Filed April 15, 1936. Serial No. 377,231. PUBLISHED FEBRUARY 16, 1937. Class 29.

345,373. COFFEE. THE GOYER COMPANY, Greenville, Miss.
Filed May 2, 1936. Serial No. 377,920. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,374. CIGARS. ROSSI CIGAR CO., Oakland, Calif.
Filed May 2, 1936. Serial No. 377,941. PUBLISHED SEPTEMBER 22, 1936. Class 17.

345,375. COAL, OIL, BATTERY, AND ELECTRIC BROODERS, CHICK, FOWL, AND FLOCK FEEDING AND WATERING RECEPTACLES, POULTRY HOUSE VENTILATORS, AND PARTS THEREOF. THE NATIONAL IDEAL COMPANY, Toledo, Ohio.
Filed May 4, 1936. Serial No. 377,991. PUBLISHED FEBRUARY 16, 1937. Class 50.

345,376. CORRUGATED PASTEBOARD KNOCK-DOWN CABINETS FOR CLOTHING. ODORA COMPANY, INC., New York, N. Y.
Filed May 28, 1936. Serial No. 379,008. PUBLISHED FEBRUARY 16, 1937. Class 2.

345,377. FLUTES OF ALL KINDS, MANDOLINS, LUTES, GUITARS, AND STRINGS FOR MUSICAL INSTRUMENTS. KARL AUGUST BRAUN, doing business as Wilhelm Herwig, Markneukirchen, Germany.
Filed June 2, 1936. Serial No. 379,169. PUBLISHED FEBRUARY 16, 1937. Class 36.

345,378. VENDING MACHINES. CANDYLAND VENDORS, INCORPORATED, Seattle, Wash.
Filed June 8, 1936. Serial No. 379,418. PUBLISHED FEBRUARY 16, 1937. Class 23.

345,379. PREPARATION OF GROUND AND PULVERIZED MINERALS EMPLOYED IN THE MAKING OF MOULDS FOR CASTINGS OF METALS, GLASS, AND VITREOUS WARE. INTERNATIONAL PULP COMPANY, New York, N. Y.
Filed June 12, 1936. Serial No. 379,617. PUBLISHED AUGUST 18, 1936. Class 1.

345,380. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed June 18, 1936. Serial No. 379,918. PUBLISHED FEBRUARY 16, 1937. Class 21.

345,381. MATERIALS ADAPTED TO PROMOTE AND ACCELERATE THE DRYING OF SICCATIVE OILS AND SICCATIVE OIL CONTAINING COMPOSITIONS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed June 19, 1936. Serial No. 379,968. PUBLISHED FEBRUARY 16, 1937. Class 16.

345,382. FLASH LIGHTS. UNITED STATES ELECTRIC COMPANY, New York, N. Y.
Filed June 23, 1936. Serial No. 380,132. PUBLISHED FEBRUARY 16, 1937. Class 21.

345,383. CANNED OYSTERS AND SHRIMP. DIXIE FISHERIES, INCORPORATED, Biloxi, Miss.
Filed June 26, 1936. Serial No. 380,263. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,384. FISHING RODS, PARTS THEREOF, AND CASES THEREFOR, ARTIFICIAL BAITS, ARTIFICIAL BUGS AND FLIES, FISHING REELS, FISH STRINGERS, FISH FLOATS, FISH HOOKS, FISH LINES, AND PORK RIND AND CHUNK FOR HOOKS. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed June 27, 1936. Serial No. 380,352. PUBLISHED FEBRUARY 16, 1937. Class 22.

345,385. JUNIORS' DRESSES, MISSES' DRESSES, CHILDREN'S DRESSES, JUNIORS' BLOUSES, MISSES' BLOUSES, AND CHILDREN'S BLOUSES. JACOB EICHWALD, New York, N. Y.
Filed June 30, 1936. Serial No. 380,444. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,386. CANNED FISH, FRUITS, AND VEGETABLES OF ALL KINDS, ALIMENTARY PASTES, FOOD FLAVORING EXTRACTS, MUSTARDS, OLIVES, PICKLES, PEPPERS, AND DRIED BONITO. MITSUBISHI SHOJI KAISHA, LTD., Tokyo, Japan, New York, N. Y., San Francisco, Calif., and Seattle, Wash.
Filed June 30, 1936. Serial No. 380,456. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,387. BEER. ATLAS BREWING COMPANY, Chicago, Ill.
Filed July 10, 1936. Serial No. 380,858. PUBLISHED FEBRUARY 16, 1937. Class 48.

345,388. KITCHEN SINKS, LAVATORIES, BATHTUBS, WATER CLOSETS, AND TRIMMINGS THEREFOR. CRANE Co., Chicago, Ill.
Filed July 20, 1936. Serial No. 381,191. PUBLISHED FEBRUARY 16, 1937. Class 13.

345,389. SENSITIZED FILM SUITABLE FOR USE IN MAKING MOTION PICTURES. ROYAL REVUES, INC., Hollywood, Calif.
Filed July 27, 1936. Serial No. 381,498. PUBLISHED FEBRUARY 16, 1937. Class 26.

345,390. CLOTHING—NAMELY, LADIES' HOUSE DRESSES. JOHN H. MCEVOY, doing business as Home Manufacturing Company, Decatur, Ill.
Filed July 23, 1936. Serial No. 381,508. PUBLISHED FEBRUARY 16, 1937. Class 39.

345,391. DRY, PASTE, AND READY-MIXED PAINTS AND VARNISHES. HALL HARDWARE COMPANY, Minneapolis, Minn.
Filed August 8, 1936. Serial No. 381,937. PUBLISHED FEBRUARY 16, 1937. Class 16.

345,392. RADIO TUBES. HALL HARDWARE COMPANY, Minneapolis, Minn.
Filed August 8, 1936. Serial No. 381,938. PUBLISHED FEBRUARY 16, 1937. Class 21.

345,393. ADSORBENT MATERIALS IN THE NATURE OF AN EARTH PRODUCT USED IN THE FILTRATION OF OILS. L. SONNEBORN SONS, INC., New York, N. Y.
Filed August 8, 1936. Serial No. 381,952. PUBLISHED FEBRUARY 16, 1937. Class 31.

345,394. MEN'S AND BOYS' SUITS AND TROUSERS OF LINEN OR OTHER WASHABLE MATERIAL. A. SOLOMON, New Orleans, La.
Filed August 18, 1936. Serial No. 382,326. PUBLISHED DECEMBER 1, 1936. Class 39.

345,395. GLASS BUTTER DISH AND COVER. FREDERICK F. LOWENFELS & SON, New York, N. Y.
Filed August 31, 1936. Serial No. 382,736. PUBLISHED FEBRUARY 16, 1937. Class 33.

345,396. CHEESE, BUTTER, EVAPORATED MILK, CONDENSED MILK, MILK SUGAR, MILK POWDER. SOCIETÀ ANONIMA COOPERATIVA LATTERIA SORESINESE, Soresina, Italy.
Filed August 31, 1936. Serial No. 382,775. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,397. PLAIN AND SELF-RISING WHEAT FLOUR. DIXIE STORES, INCORPORATED, Greenville, S. C.
Filed September 10, 1936. Serial No. 383,087. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,398. PHOTOGRAPHIC, MICROPHOTOGRAPHIC, PROJECTING, AND MICROSCOPE OBJECTIVES. CARL ZEISS, Jena, Germany.
Filed September 15, 1936. Serial No. 383,281. PUBLISHED FEBRUARY 16, 1937. Class 26.

345,399. PAINT PASTE. FLORIDA LEAKY ROOF PAINT COMPANY, Bradenton, Fla.
Filed September 16, 1936. Serial No. 383,301. PUBLISHED FEBRUARY 16, 1937. Class 16.

345,400. BAKING POWDER. WESCO FOODS COMPANY, Cincinnati, Ohio.
Filed September 16, 1936. Serial No. 383,338. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,401. GAMES AND TOYS, COMPRISING BADMINTON, A FORM OF GAME CONSISTING OF TWO DRIVING MEMBERS SIMILAR IN FORM TO TENNIS RACQUETS BUT MADE OF WOOD OR FIBER BOARD OR OTHER SUITABLE MATERIAL, AND ANOTHER MEMBER WHICH IS TOSSED BACK AND FORTH BY TWO PLAYERS USING THE DRIVING MEMBERS, THE GAME BEING PLAYED LIKE LAWN TENNIS. BERSIN PLAYTHINGS, INC., New York, N. Y.
Filed September 17, 1936. Serial No. 383,343. PUBLISHED FEBRUARY 16, 1937. Class 22.

345,402. FLOUR, PARTICULARLY WHEAT FLOUR, SELF RISING FLOUR, AND PHOSPHATE ADDED FLOUR. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn.
Filed September 17, 1936. Serial No. 383,377. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,403. FURNITURE AND AUTOMOBILE POLISH. AL A. BANKS, doing business as Lyk-Nu Company, New York, N. Y.
Filed September 21, 1936. Serial No. 383,459. PUBLISHED FEBRUARY 16, 1937. Class 16.

345,404. ELECTRIC DIAGNOSTIC MACHINES. H. D. NIBLACK, doing business as Dr. Niblack Laboratories, Denver, Colo.
Filed September 24, 1936. Serial No. 383,594. PUBLISHED FEBRUARY 16, 1937. Class 44.

345,405. COMPOSITION ROLLERS ESPECIALLY ADAPTED FOR USE IN INKING AND DAMPENING IN LITHOGRAPHIC PRESSES. IDEAL ROLLER & MANUFACTURING COMPANY, Chicago, Ill.
Filed September 28, 1936. Serial No. 383,738. PUBLISHED FEBRUARY 16, 1937. Class 23.

345,406. COMPOSITION ROLLERS ESPECIALLY ADAPTED FOR USE IN INKING IN TYPOGRAPHIC PRINTING PRESSES. IDEAL ROLLER & MANUFACTURING COMPANY, Chicago, Ill.
Filed September 28, 1936. Serial No. 383,739. PUBLISHED FEBRUARY 16, 1937. Class 23.

345,407. COMPOSITION ROLLERS ESPECIALLY ADAPTED FOR USE IN DISTRIBUTING INK IN NEWSPAPER PRINTING PRESSES. IDEAL ROLLER & MANUFACTURING COMPANY, Chicago, Ill.
Filed September 28, 1936. Serial No. 383,740. PUBLISHED FEBRUARY 16, 1937. Class 23.

345,408. RADIO RECEIVERS AND PARTS. BIRNBACH RADIO CO., INC., New York, N. Y.
Filed October 6, 1936. Serial No. 384,024. PUBLISHED FEBRUARY 16, 1937. Class 21.

345,409. POWER TRANSMISSION BELTS, FAN BELTS, FLAT, ROUND, AND V SHAPED, RUBBER BELTING AND FABRIC BELTING, MECHANICAL DRIVING CABLES, AND CONVEYER BELTINGS. CELA HOLDING S. A., Luxemburg, Luxemburg, and Paris, France.
Filed October 6, 1936. Serial No. 384,027. PUBLISHED FEBRUARY 16, 1937. Class 35.

345,410. SHELF EDGING AND SHELF COVERING IN THE NATURE OF OILED CLOTH. DRITZ-TRAUM COMPANY, New York, N. Y.
Filed October 6, 1936. Serial No. 384,030. PUBLISHED FEBRUARY 16, 1937. Class 20.

345,411. CONTAINERS, PACKAGES, BAGS, WRAPPERS, CARTONS, BOXES, AND THE LIKE AND BLANKS THEREFOR FABRICATED WHOLLY OR IN PART FROM PAPER, CARDBOARD, FIBREBOARD, OR THE LIKE. HUMOCO CORPORATION, Louisville, Ky.
Filed October 7, 1936. Serial No. 384,083. PUBLISHED FEBRUARY 16, 1937. Class 2.

345,412. MACHINES TO PASTEURIZE OR COOK FOODS AND BEVERAGES. GEO. J. MEYER MANUFATURING CO., Cudahy, Wis.
Filed October 9, 1936. Serial No. 384,162. PUBLISHED FEBRUARY 16, 1937. Class 23.

345,413. FABRICS IN THE PIECE MADE OF SILK AND SYNTHETIC YARNS. MALLINSON FABRICS CORPORATION, New York, N. Y.
Filed October 10, 1936. Serial No. 384,214. PUBLISHED FEBRUARY 16, 1937. Class 42.

345,414. GRANULAR MINERAL MATERIAL FOR PURIFYING WATER OF DISSOLVED IRON AND MANGANESE COMPOUNDS AND HYDROGEN SULPHIDE. C. F. BURGESS LABORATORIES, INC., Chicago, Ill.
Filed October 15, 1936. Serial No. 384,368. PUBLISHED FEBRUARY 16, 1937. Class 31.

345,415. CHOCOLATE FLAVORED MALT IN POWDERED FORM USED IN MAKING A FOOD BEVERAGE. B. QUINTERO & Co., New York, N. Y.
Filed October 16, 1936. Serial No. 384,437. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,416. NOODLES. PETER SLABY, doing business as Mrs. Slaby's Noodle Co., Cicero, Ill.
Filed October 19, 1936. Serial No. 384,568. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,417. CANNED TOMATO SAUCE. RINALDI BROS., New York, N. Y.
Filed October 20, 1936. Serial No. 384,596. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,418. PAINTS, READY MIXED AND PASTE, AND VARNISHES. METALLIC PRODUCTS COMPANY, INCORPORATED, Camden, N. J.
Filed October 22, 1936. Serial No. 384,664. PUBLISHED FEBRUARY 16, 1937. Class 16.

345,419. TENNIS RACKETS, PALETTES, BASEBALL BATS, BASEBALLS, TENNIS BALLS, FOOT BALLS, TARGETS AND/OR MARKS FOR AIMING THE BALLS, AND APPARATUS AND THEIR SUPPLEMENTS AND ACCESSORIES FOR BALL GAMES WITH LOOSE OR ATTACHED (CAPTIVE) BALL AND FOR BALL GAMES IN GENERAL. RODOLFO HEIMERS, Mexico, D. F., Mexico.
Filed October 23, 1936. Serial No. 384,707. PUBLISHED FEBRUARY 16, 1937. Class 22.

345,420. RADIO TRANSMITTING AND RECEIVING SETS; TELEVISION TRANSMITTING AND RECEIVING SETS, ETC. FARNSWORTH TELEVISION INCORPORATED, San Francisco, Calif.
Filed October 24, 1936. Serial No. 384,741. PUBLISHED FEBRUARY 16, 1937. Class 21.

345,421. WAX POLISH. JOHN M. CAIN, doing business as Florida Distributing Company, West Palm Beach, Fla.
Filed October 27, 1936. Serial No. 384,841. PUBLISHED FEBRUARY 16, 1937. Class 16.

345,422. PREPARATION OF CLOVER USED AS A TEA SUBSTITUTE IN MAKING FOOD BEVERAGES. GLENN B. WILLIS, doing business as Alvita Products Company, Pasadena, Calif.
Filed October 30, 1936. Serial No. 384,988. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,423. MOTOR-LUBRICATING OILS. TRIPLEX OIL REFINING COMPANY, INC., Long Island City, N. Y.
Filed November 2, 1936. Serial No. 385,075. PUBLISHED JANUARY 26, 1937. Class 15.

345,424. NOODLES. A. GOODMAN & SONS, INC., New York, N. Y.
Filed November 3, 1936. Serial No. 385,094. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,425. CHOPPED MIXED NUTS. HITCHCOCK PECAN Co., Galveston, Tex.
Filed November 3, 1936. Serial No. 385,096. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,426. POTATOES IN THEIR NATURAL STATE. DINGFELDER & BALISH, New York, N. Y.
Filed November 7, 1936. Serial No. 385,250. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,427. SAFETY RAZOR BLADES. THE MARLIN FIREARMS COMPANY, New Haven, Conn.
Filed November 7, 1936. Serial No. 385,266. PUBLISHED FEBRUARY 16, 1937. Class 23.

345,428. GAMES PLAYED WITH GOLF BALLS AND CLUBS AND A SPECIAL STAND HAVING POCKETS THEREIN. DAVID KOHN, New York, N. Y.
Filed November 9, 1936. Serial No. 385,295. PUBLISHED FEBRUARY 16, 1937. Class 22.

345,429. CANDY. NORRIS INCORPORATED, Atlanta, Ga.
Filed November 9, 1936. Serial No. 385,302. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,430. LUBRICATING OIL AND GREASE COMPOUNDS. THE WHITMORE MANUFACTURING COMPANY, Cleveland, Ohio.
Filed November 9, 1936. Serial No. 385,322. PUBLISHED FEBRUARY 9, 1937. Class 15.

345,431. WEEKLY TRADE MAGAZINE. MASSACHUSETTS DISTRIBUTORS, INCORPORATED, Boston, Mass.
Filed November 11, 1936. Serial No. 385,416. PUBLISHED FEBRUARY 9, 1937. Class 38.

345,432. DENTAL IMPRESSION TRAYS. THE L. D. CAULK COMPANY, Milford, Del.
Filed November 12, 1936. Serial No. 385,434. PUBLISHED FEBRUARY 16, 1937. Class 44.

345,433. WHEAT FLOUR. CENTENNIAL FLOURING MILLS COMPANY, Seattle, Wash.
Filed November 12, 1936. Serial No. 385,435. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,434. CANNED CHILE. JUAN A. GARCIA, JR., doing business as Garcia's Fine Chile, Albuquerque, N. Mex.
Filed November 12, 1936. Serial No. 385,438. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,435. GOLF BALLS. GOLDSMITH BROS., New York, N. Y.
Filed November 14, 1936. Serial No. 385,517. PUBLISHED FEBRUARY 16, 1937. Class 22.

345,436. GOLF BALLS, GOLF CLUBS, AND GOLF BAGS. FRANK H. CAVIGNAC ASSOCIATES, Glendale, Long Island, N. Y.
Filed November 16, 1936. Serial No. 385,559. PUBLISHED FEBRUARY 16, 1937. Class 22.

345,437. GAME OR TOY BUILDING DISCS. EDUCATIONAL ENTERPRISES, Chicago, Ill.
Filed November 16, 1936. Serial No. 385,569. PUBLISHED FEBRUARY 16, 1937. Class 22.

345,438. NECKWEAR—NAMELY, MEN'S AND BOYS' NECKTIES, CRAVATS, AND MUFFLERS. FRANK & MEYER NECKWEAR COMPANY, St. Louis, Mo.
Filed November 16, 1936. Serial No. 385,574. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,439. PIANOS. STRICH & ZEIDLER, INC., New York, N. Y.
Filed November 17, 1936. Serial No. 385,653. PUBLISHED FEBRUARY 16, 1937. Class 36.

345,440. BRANDY. LAIRD AND COMPANY, Scobeyville and Eatontown, N. J.
Filed November 18, 1936. Serial No. 385,670. PUBLISHED FEBRUARY 16, 1937. Class 49.

345,441. BRANDY. LAIRD AND COMPANY, Scobeyville and Eatontown, N. J.
Filed November 18, 1936. Serial No. 385,671. PUBLISHED FEBRUARY 16, 1937. Class 49.

345,442. NOVELTY HUMMING MUSICAL INSTRUMENTS. THE WATERBURY BUTTON COMPANY, Waterbury, Conn.
Filed November 18, 1936. Serial No. 385,711. PUBLISHED FEBRUARY 16, 1937. Class 36.

345,443. WOMEN'S AND CHILDREN'S COATS AND DRESSES. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed November 19, 1936. Serial No. 385,728. PUBLISHED FEBRUARY 16, 1937. Class 39.

345,444. SPARK PLUGS. EVERETT L. PASSMORE, doing business as Red Arrow Products Co., Philadelphia, Pa.
Filed November 19, 1936. Serial No. 385,746. PUBLISHED FEBRUARY 16, 1937. Class 21.

345,445. GIRLS' MIDDIES, GYM SHORTS, GYM SHIRTS, BLOOMERS, GYM SUITS, (ONE AND TWO PIECE MODELS), DANCE TOGS, (NAMELY, ROMPERS AND BLOUSES), AND MISSES' AND CHILDREN'S COATS, DRESSES, AND SKIRTS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed November 19, 1936. Serial No. 385,748. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,446. WHISKEY. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y.
Filed November 20, 1936. Serial No 385,772. PUBLISHED FEBRUARY 16, 1937. Class 49.

345,447. ELECTRICAL CONTROL APPARATUS, ELECTRICAL MACHINES, AND ELECTRICAL SUPPLIES, ETC. CUTLER-HAMMER, INC., Milwaukee, Wis.
Filed November 20, 1936. Serial No. 385,779. PUBLISHED FEBRUARY 16, 1937. Class 21.

345,448. WHISKEY. HARRY GRITZ, doing business as Harry Gritz Liquor Store, Washington, D. C.
Filed November 20, 1936. Serial No. 385,786. PUBLISHED FEBRUARY 16, 1937. Class 49.

345,449. CHILDREN'S DRESSES, BLOUSES, AND JUMPERS. LEO J. GOLDBERGER, New York, N. Y.
Filed November 20, 1936. Serial No. 385,787. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,450. CHILDREN'S DRESSES, BLOUSES, AND JUMPERS. LEO J. GOLDBERGER, New York, N. Y.
Filed November 20, 1936. Serial No. 385,788. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,451. FRESH CITRUS FRUIT AND CITRUS JUICES USED FOR FOOD PURPOSES. FRANK W. MOORE, Redlands, Calif.
Filed November 20, 1936. Serial No. 385,797. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,452. STOCK AND POULTRY FEED. LUCIUS P. COOK, doing business as L. P. Cook, Memphis, Tenn.
Filed November 21, 1936. Serial No. 385,832. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,453. CANDIES AND SALTED NUTS. GILBERT F. FITZGERALD, doing business as 20th Century Candy Co., Milwaukee, Wis.
Filed November 21, 1936. Serial No. 385,838. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,454. CANNED BAKED APPLES. THE HILLS BROTHERS COMPANY, New York, N. Y.
Filed November 23, 1936. Serial No. 385,886. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,455. WOODEN CONTAINERS OF TUB-LIKE CHARACTER ESPECIALLY FOR HOLDING ICE FRAGMENTS AND ICE CUBES THEREIN FOR TRANSPORTATION AND STORAGE PURPOSES. MENASHA WOODEN WARE CORPORATION, Menasha, Wis.
Filed November 23, 1936. Serial No. 385,894. PUBLISHED FEBRUARY 16, 1937. Class 2.

345,456. MEN'S DRESS AND NEGLIGEE SHIRTS. RIEGEL TEXTILE CORPORATION, New York, N. Y.
Filed November 24, 1936. Serial No. 385,942. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,457. ELECTRICALLY OPERATED LIGHT PROJECTORS FOR INDOOR AND OUTDOOR ILLUMINATION. CENTURY LIGHTING, INC., New York, N. Y.
Filed November 25, 1936. Serial No. 385,971. PUBLISHED FEBRUARY 16, 1937. Class 21.

345,458. LADIES' AND MISSES' NEGLIGEES, COSTUME SLIPS, SHORTS FOR UNDERWEAR, NIGHTGOWNS, AND PAJAMAS MADE OF KNITTED, NETTED, OR WOVEN TEXTILE FABRICS OF COTTON, LINEN, SILK, ARTIFICIAL SILK, AND ALL MIXTURES OR COMBINATIONS OF SAID MATERIALS. LOUNGEWEAR INC., New York, N. Y.
Filed November 25, 1936. Serial No. 385,985. PUBLISHED FEBRUARY 16, 1937. Class 39.

345,459. WOMEN'S AND MISSES' SLIPS. RALCO UNDERGARMENT CORP., New York, N. Y.
Filed November 25, 1936. Serial No. 385,990. PUBLISHED FEBRUARY 16, 1937. Class 39.

345,460. LEATHER BELTING. ARTHUR H. RAHMANN, doing business as Geo. Rahmann & Co., New York, N. Y.
Filed November 25, 1936. Serial No. 385,991. PUBLISHED FEBRUARY 16, 1937. Class 35.

345,461. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. STANDARD GARMENT COMPANY, Columbia, Pa., and New York, N. Y.
Filed November 25, 1936. Serial No. 385,995. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,462. PAINTS IN READY MIXED OR PASTE FORM, PIGMENT VEHICLES, VARNISHES, UNDERCOATERS, PAINT PRIMERS, PAINT THINNERS, AND RUST INHIBITORS FOR METALLIC SURFACES. THOMPSON & COMPANY, Oakmont, Pa.
Filed November 25, 1936. Serial No. 385,996. PUBLISHED FEBRUARY 16, 1937. Class 16.

345,463. READING DESKS. LOUIS URDANG, doing business as Read-O-Desk Co., Tenafly, N. J.
Filed November 25, 1936. Serial No. 385,998. PUBLISHED FEBRUARY 16, 1937. Class 32.

345,464. MALT CHOCOLATE MIXTURE IN POWDER FORM FOR USE WITH FRESH MILK TO MAKE HOT OR COLD CHOCOLATE MALTED MILK BEVERAGES AND TO MAKE CANDY AND CONFECTION PRODUCTS. VAC-MADE FOODS CORPORATION, Chicago, Ill.
Filed November 27, 1936. Serial No. 386,056. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,465. KNIVES, STEAK TURNERS, STEELS, CHICKEN STICKERS, BLOCK SCRAPERS, STEAK TENDERERS, CLEAVERS, ETC. THE VILLAGE BLACKSMITH FOLKS, Watertown, Wis.
Filed November 28, 1936. Serial No. 386,067. PUBLISHED FEBRUARY 16, 1937. Class 23.

345,466. ROLLER SKATES, WHEELS, AND REPAIR PARTS THEREFOR. LEO A. SELTZER, Portland, Oreg.
Filed November 30, 1936. Serial No. 386,128. PUBLISHED FEBRUARY 16, 1937. Class 22.

345,467. COATED TELEPHONE WIRE. BETHLEHEM STEEL COMPANY, Bethlehem, Pa.
Filed December 1, 1936. Serial No. 386,144. PUBLISHED FEBRUARY 16, 1937. Class 21.

345,468. DISTILLED ALCOHOLIC LIQUORS AND MORE PARTICULARLY GIN. FLORIDA CANE PRODUCTS CORPORATION, Miami, Fla.
Filed December 1, 1936. Serial No. 386,156. PUBLISHED FEBRUARY 16, 1937. Class 49.

345,469. BEER AND ALE. THE BRUCKMANN COMPANY, Cincinnati, Ohio.
Filed December 2, 1936. Serial No. 386,200. PUBLISHED FEBRUARY 16, 1937. Class 48.

345,470. UNDERWEAR FOR WOMEN. HOLEPROOF HOSIERY CO., Milwaukee, Wis.
Filed December 3, 1936. Serial No. 386,255. PUBLISHED FEBRUARY 16, 1937. Class 39.

345,471. PIECE GOODS OF WOOLEN, WORSTED, WOVEN, AND KNITTED FABRICS, AND FABRICS OF RAYON, LINEN, AND COMBINATIONS OF THESE MATERIALS. JOSEF KNITTED FABRICS, INC., New York, N. Y.
Filed December 3, 1936. Serial No. 386,258. PUBLISHED FEBRUARY 16, 1937. Class 42.

345,472. WATCHES, WATCH CASES, WATCH PARTS, WATCH MOVEMENTS, WATCH BRACELETS SOLD AS A UNIT WITH THE WATCH. HERMAN LEHMAN, New York, N. Y.
Filed December 3, 1936. Serial No. 386,261. PUBLISHED FEBRUARY 16, 1937. Class 27.

345,473. SPRINGS FOR BEDS AND FURNITURE. SPRING PRODUCTS CORPORATION, Long Island City, N. Y.
Filed December 3, 1936. Serial No. 386,276. PUBLISHED FEBRUARY 16, 1937. Class 32.

345,474. BROOMS. ALLEGHENY COUNTY WORKHOUSE AND INEBRIATE ASYLUM, Blawnox, Pa.
Filed December 4, 1936. Serial No. 386,282. PUBLISHED FEBRUARY 16, 1937. Class 29.

345,475. LOCKING PLATES FOR HOLDING SCREWS IN SHEET METAL. PRESTOLE DEVICES, INC., Detroit, Mich.
Filed December 4, 1936. Serial No. 386,318. PUBLISHED FEBRUARY 16, 1937. Class 13.

345,476. MOTION PICTURE FILM. TECHNICOLOR MOTION PICTURE CORPORATION, Hollywood, Calif.
Filed December 4, 1936. Serial No. 386,321. PUBLISHED FEBRUARY 16, 1937. Class 26.

345,477. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed December 5, 1936. Serial No. 386,333. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,478. ELECTRICALLY REFRIGERATED BEVERAGE COOLERS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,337. PUBLISHED FEBRUARY 16, 1937. Class 31.

345,479. BILLIARD CHALK. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,342. PUBLISHED FEBRUARY 16, 1937. Class 22.

345,480. MASKING TAPE. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed December 5, 1936. Serial No. 386,352. PUBLISHED FEBRUARY 16, 1937. Class 5.

345,481. WHISKEY. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky.
Filed December 5, 1936. Serial No. 386,365. PUBLISHED FEBRUARY 16, 1937. Class 49.

345,482. PEANUTS. BROWN-MURRAY CO., INC., Pittsburgh, Pa.
Filed December 7, 1936. Serial No. 386,399. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,483. WHISKEY. CHARLES & CO., New York, N. Y.
Filed December 7, 1936. Serial No. 386,403. PUBLISHED FEBRUARY 16, 1937. Class 49.

345,484. LADIES', MEN'S, AND CHILDREN'S POLO SHIRTS, BLOUSES, UNDERWEAR. EVERITE KNITTING MILLS, INC., New York, N. Y.
Filed December 7, 1936. Serial No. 386,421. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,485. TOY APPARATUS AND MATERIALS FOR THE CREATING OF DESIGNS BY TAPPED INDENTATIONS ON A METAL SURFACE, SOLD AS A UNIT. DAVID B. RAPAPORT, doing business as Rapaport Brothers, Chicago, Ill.
Filed December 7, 1936. Serial No. 386,443. PUBLISHED FEBRUARY 16, 1937. Class 22.

345,486. VEHICLE TIRES COMPOSED OF RUBBER AND FABRIC. SPUR RUBBER COMPANY, INC., Chicago, Ill.
Filed December 7, 1936. Serial No. 386,460. PUBLISHED FEBRUARY 16, 1937. Class 35.

345,487. LAUNDRY NET BAGS. ANCHOR DUCK MILLS, Rome, Ga., and Boston, Mass.
Filed December 8, 1936. Serial No. 386,474. PUBLISHED FEBRUARY 16, 1937. Class 24.

345,488. ANTI-FREEZE COMPOUNDS. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed December 8, 1936. Serial No. 386,479. PUBLISHED FEBRUARY 16, 1937. Class 6.

345,489. WHEAT FLOUR. EARLE-CHESTERFIELD MILL CO., Asheville, N. C.
Filed December 8, 1936. Serial No. 386,486. PUBLISHED FEBRUARY 9, 1937. Class 46.

345,490. CLOTHES BRUSHES. OX FIBRE BRUSH COMPANY, INC., New York, N. Y., and Frederick, Md.
Filed December 8, 1936. Serial No. 386,496. PUBLISHED FEBRUARY 16, 1937. Class 29.

345,491. MARKSMANSHIP PRACTICING APPARATUS IN WHICH A BULLET OF LIGHT IS EMPLOYED TO IMPINGE UPON A PHOTO-ELECTRIC CELL. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed December 9, 1936. Serial No. 386,556. PUBLISHED FEBRUARY 16, 1937. Class 22.

345,492. WOMEN'S, MISSES', AND CHILDREN'S PAJAMAS AND NIGHTGOWNS. VOGUE KNITTING COMPANY, Womelsdorf, Pa.
Filed December 9, 1936. Serial No. 386,558. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,493. WOMEN'S AND MISSES' BLOUSES. WILLIAMSBRIDGE MILLS, INC., New York, N. Y.
Filed December 10, 1936. Serial No. 386,612. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,494. WINES. WINE PACKING CORPORATION OF CALIFORNIA, Stockton, Calif.
Filed December 11, 1936. Serial No. 386,625. PUBLISHED FEBRUARY 16, 1937. Class 47.

345,495. SILK AND RAYON PIECE GOODS. AMERICAN DYEING CORPORATION, Rockville, Conn.
Filed December 11, 1936. Serial No. 386,627. PUBLISHED FEBRUARY 16, 1937. Class 42.

345,496. WOMEN'S WEARING APPAREL—NAMELY, DRESSES. MEYER BROD, doing business as Brodmoor Frocks, Chicago, Ill.
Filed December 11, 1936. Serial No. 386,631. PUBLISHED FEBRUARY 16, 1937. Class 39.

345,497. RAW COFFEE AND COFFEE KERNELS IMPORTED IN ITS RAW STATE AND SOLD EXCLUSIVELY TO COFFEE DEALERS. FRED S. EHRLICH, Los Angeles, Calif.
Filed December 11, 1936. Serial No. 386,638. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,498. FLOUR, PARTICULARLY WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed December 11, 1936. Serial No. 386,645. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,499. TRACTORS ADAPTED TO BE EMPLOYED IN FARMING OPERATIONS, ROAD BUILDING, MINING, LOGGING, EARTH MOVING, HAULING, ETC. CATERPILLAR TRACTOR CO., San Leandro, Calif.
Filed December 12, 1936. Serial No. 386,675. PUBLISHED FEBRUARY 16, 1937. Class 23.

345,500. PAINT IN DRY FORM FOR CEMENT, BRICK, CONCRETE, AND STUCCO SURFACES. NEW ENGLAND WHITING COMPANY, East Boston, Mass.
Filed December 12, 1936. Serial No. 386,686. PUBLISHED FEBRUARY 16, 1937 Class 16.

345,501. PERMANENT WAVE CONTACTORS AND PERMANENT WAVE SUPPLIES—NAMELY, SPIRAL AND CROQUIGNOLE SACHETS. EUGENE, LIMITED, New York, N. Y.
Filed December 14, 1936. Serial No. 386,706. PUBLISHED FEBRUARY 16, 1937. Class 44.

345,502. FERTILIZERS. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y.
Filed December 14, 1936. Serial No. 386,714. PUBLISHED FEBRUARY 16, 1937. Class 10.

345,503. CANDLES. IRINEOS CASSIMATIS, Gary, Ind.
Filed December 14, 1936. Serial No. 386,723. PUBLISHED FEBRUARY 9, 1937. Class 15.

345,504. WINE. JOSEPH SPATOLA, SR., doing business as Spatola Importing Company, Philadelphia, Pa.
Filed December 14, 1936. Serial No. 386,748. PUBLISHED FEBRUARY 16, 1937. Class 47.

345,505. CANNED CITROUS JUICES FOR USE IN THE PREPARATION OF MIXED DRINKS. TAYBOR PRODUCTS CO., Santa Monica, Calif.
Filed December 14, 1936. Serial No. 386,750. PUBLISHED FEBRUARY 16, 1937. Class 45.

345,506. LADIES', MISSES', JUNIORS', AND CHILDREN'S COATS AND SUITS. LOUIS BERKOWITZ, doing business as Supreme Jr. Coat Co., New York, N. Y.
Filed December 15, 1936. Serial No. 386,756. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,507. TYPE FACES, UPPER AND LOWER CASE. THE BAUER TYPE FOUNDRY, INC., New York, N. Y.
Filed December 16, 1936. Serial No. 386,786. PUBLISHED FEBRUARY 16, 1937. Class 14.

345,508. TYPE FACES, UPPER AND LOWER CASE. THE BAUER TYPE FOUNDRY, INC., New York, N. Y.
Filed December 16, 1936. Serial No. 386,787. PUBLISHED FEBRUARY 16, 1937. Class 14.

345,509. TYPE FACES, UPPER AND LOWER CASE. THE BAUER TYPE FOUNDRY, INC., New York, N. Y.
Filed December 16, 1936. Serial No. 386,788. PUBLISHED FEBRUARY 16, 1937. Class 14.

345,510. SENSITIVE ELECTRICAL PICK UP DEVICES FOR AMPLIFYING SOUNDS. COMMUNICATION ENGINEERS, INC., Seattle, Wash.
Filed December 16, 1936. Serial No. 386,791. PUBLISHED FEBRUARY 16, 1937. Class 21.

345,511. FLOUR, PARTICULARLY WHEAT FLOUR. SPERRY FLOUR COMPANY, San Francisco, Calif.
Filed December 16, 1936. Serial No. 386,821. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,512. PHOTOGRAPHIC CAMERAS. AGFA ANSCO CORPORATION, Binghamton, N. Y.
Filed December 17, 1936. Serial No. 386,839. PUBLISHED FEBRUARY 16, 1937. Class 26.

345,513. OIL BURNERS AND PARTS. AUTOMATIC BURNER CORPORATION, Chicago, Ill.
Filed December 17, 1936. Serial No. 386,842. PUBLISHED FEBRUARY 16, 1937. Class 34.

345,514. MEN'S NECKTIES AND MUFFLERS. McCURRACH ORGANIZATION INCORPORATED, New York, N. Y.
Filed December 17, 1936. Serial No. 386,866. PUBLISHED FEBRUARY 9, 1937. Class 39.

345,515. STORAGE BATTERIES FOR AUTOMOBILES. MONARK BATTERY COMPANY, INC., Chicago, Ill.
Filed December 17, 1936. Serial No. 386,867. PUBLISHED FEBRUARY 16, 1937. Class 21.

345,516. THERMOSTATS, THERMOSTATIC REGULATORS, AND THERMOSTATIC INDICATORS. ROBERTSHAW THERMOSTAT COMPANY, Youngwood, Pa.
Filed December 17, 1936. Serial No. 386,871. PUBLISHED FEBRUARY 16, 1937. Class 26.

345,517. SILK, ARTIFICIAL-SILK, SILK AND ARTIFICIAL-SILK, SILK AND WOOL, SILK AND COTTON, PIECE GOODS. TRUHU SILK CORPORATION, New York, N. Y.
Filed December 17, 1936. Serial No. 386,876. PUBLISHED FEBRUARY 16, 1937. Class 42.

345,518. PHONOGRAPH RECORDS AND RECORD BLANKS. AMERICAN RECORD CORPORATION, New York, N. Y.
Filed December 18, 1936. Serial No. 386,882. PUBLISHED FEBRUARY 16, 1937. Class 36.

345,519. PAINT BRUSHES. BAKER BRUSH CO., INC., New York, N. Y.
Filed December 18, 1936. Serial No. 386,884. PUBLISHED FEBRUARY 16, 1937. Class 29.

345,520. SPARK PLUGS. ARTHUR C. HASTINGS, JR., doing business as The Oano Company, Boston, Mass.
Filed December 18, 1936. Serial No. 386,896. PUBLISHED FEBRUARY 16, 1937. Class 21.

345,521. FOLDING IRONING TABLES. SAGINAW MANUFACTURING CO., Saginaw, Mich.
Filed December 18, 1936. Serial No. 386,911. PUBLISHED FEBRUARY 16, 1937. Class 24.

345,522. VARNISH. GENERAL PRINTING INK CORPORATION, New York, N. Y.
Filed December 19, 1936. Serial No. 386,943. PUBLISHED FEBRUARY 16, 1937. Class 16.

345,523. LITHOGRAPHIC RUBBING INK, LITHOGRAPHIC LIQUID TUSCHE, LITHOGRAPHIC TRANSFER INK, AUTOGRAPHIC INK, MUSIC PLATE TRANSFER INK, AND LITHOGRAPHIC STICK TUSCHE. WM. KORN, INC., New York, N. Y.
Filed December 19, 1936. Serial No. 386,952. PUBLISHED FEBRUARY 16, 1937. Class 11.

345,524. WOOLEN AND WOOL MIXTURE FABRICS IN THE PIECE. LINKER & HERBERT, INC., New York, N. Y.
Filed December 19, 1936. Serial No. 386,955. PUBLISHED FEBRUARY 16, 1937. Class 42.

345,525. SNATHS. STA-TITE SNATH COMPANY, Shelbyville, Ind.
Filed December 19, 1936. Serial No. 386,967. PUBLISHED FEBRUARY 16, 1937. Class 23.

345,526. DEXTROSE TABLETS IN THE NATURE OF CONFECTIONERY. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed December 22, 1936. Serial No. 387,033. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,527. DEXTROSE TABLETS IN THE NATURE OF CONFECTIONERY. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed December 22, 1936. Serial No. 387,034. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,528. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed December 22, 1936. Serial No. 387,049. PUBLISHED FEBRUARY 16, 1937. Class 39.

345,529. BAKED BEANS. CONTINENTAL FOODS CORPORATION, Los Angeles, Calif.
Filed December 24, 1936. Serial No. 387,115. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,530. CANNED VEGETABLES. HOLYOKE WHOLESALE GROCERY CO., INC., Holyoke, Mass.
Filed December 24, 1936. Serial No. 387,129. PUBLISHED FEBRUARY 16, 1937. Class 46.

345,531. MEN'S NECKTIES AND MUFFLERS. McCURRACH ORGANIZATION INCORPORATED, New York, N. Y.
Filed December 24, 1936. Serial No. 387,139. PUBLISHED FEBRUARY 16, 1937. Class 39.

345,532. DOLLS, COSTUMES FOR DOLLS, PARTS OF COSTUMES FOR DOLLS, AND DOLLS' WIGS. IDEAL NOVELTY & TOY COMPANY, Long Island City, N. Y.
Filed December 1, 1936. Serial No. 386,161. PUBLISHED FEBRUARY 16, 1937. Class 22.

345,533. WOMEN'S AND CHILDREN'S COTTON AND SILK DRESSES. MAX ROSENBAUM, Brooklyn, N. Y.
Filed December 1, 1936. Serial No. 386,171. PUBLISHED FEBRUARY 16, 1937. Class 39.

345,534. FRESH VEGETABLES. ABE M. KATZ COMPANY, Robstown, Tex.
Filed December 28, 1936. Serial No. 387,189. PUBLISHED FEBRUARY 16, 1937. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

345,535. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILWAUKEE CHEESE COMPANY, Milwaukee, Wis. Filed Apr. 4, 1935. Serial No. 363,401.

Beer Cheese

For Cheese.
Claims use since October, 1932.

345,536. (CLASS 39. CLOTHING.) F. M. GRAUER & CO., INC., Philadelphia, Pa. Filed Sept. 5, 1935. Serial No. 369,013.

"College-Mode"

For Ladies' Hosiery, Men's and Boys' Hose, Golf Hose, and Sport Socks.
Claims use since Dec. 5, 1934.

345,537. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) MANUEL MARIN & COMPANY, Mayaguez, P. R. Filed Sept. 16, 1935. Serial No. 369,366.

PUERTO RICAN CLUB
RUM

For Rum.
Claims use since July 15, 1934.

345,538. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) MANUEL MARIN & COMPANY, Mayaguez, P. R. Filed Oct. 3, 1935. Serial No. 369,971.

REAL RUM

MANUEL MARIN & CO.,

For Rum.
Claims use since June 15, 1935.

345,539. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE RAPID ELECTROTYPE CO., Cincinnati, Ohio. Filed Feb. 12, 1936. Serial No. 374,760.

PLASTIC

For a Matrix or Flong Used in Stereotyping.
Claims use since Oct. 10, 1924.

345,540. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE RAPID ELECTROTYPE CO., Cincinnati, Ohio. Filed Feb. 12, 1936. Serial No. 374,761.

Rapid

For a Matrix or Flong Used in Stereotyping.
Claims use since Oct. 10, 1924.

345,541. (CLASS 48. MALT BEVERAGES AND LIQUORS.) COMMONWEALTH BREWING CORPORATION, Springfield, Mass. Filed Mar. 7, 1936. Serial No. 375,698.



For Malt Beverage With Not Over the Legal Alcoholic Content, Ale.
Claims use since Oct. 1, 1935.

345,542. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PAINT PRODUCTS, INC., Minneapolis, Minn. Filed Mar. 7, 1936. Serial No. 375,722.

FILMTITE

For Paint Size.
Claims use since Feb. 10, 1936.

345,543. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Mar. 18, 1936. Serial No. 376,137.

HIGH RATING

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Jan. 2, 1936.

345,544. (CLASS 39. CLOTHING.) KIRBY, BLOCK & FISCHER, INC., New York, N. Y. Filed Mar. 26, 1936. Serial No. 376,432.

Milburn

For Men's Dress, Negligee, and Work Shirts, and Boys' Shirts.
Claims use since Mar. 11, 1936.

345,545. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHMAN & SAMUELS, INC., New York, N. Y. Filed Mar. 26, 1936. Serial No. 376,446.

FINEST YET

For Fresh Citrus and Deciduous Fruits and Fresh Vegetables.
Claims use since Mar. 1, 1935.

345,546. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIEGEL BROS. KIKI MAID KOATS INC., New York, N. Y. Filed Mar. 30, 1936. Serial No. 376,611.

CUBANA

For Piece Goods Made of Wool, Cotton, Rayon, and Combinations of the Same.
Claims use since Mar. 2, 1936.

345,547. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) READY FOODS COMPANY, INC., Chicago, Ill. Filed Apr. 9, 1936. Serial No. 377,018.

RENO

For Canned Dog and Cat Food.
Claims use since Mar. 17, 1936.

345,548. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KINSEY DISTILLING COMPANY, Philadelphia, Pa. Filed Apr. 29, 1936. Serial No. 377,796.

KINSEY'S
LINFIELD

For Whiskey, Particularly for Straight Rye Whiskey.
Claims use since Mar. 6, 1936.

345,549. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KREMER PLANTATIONS, INC., New York, N. Y. Filed May 25, 1936. Serial No. 378,841.

CocoaRich

For Chocolate Syrups for Preparing Food Beverages and for Use in Cake Icings, Ice Cream Sodas and Sundaes, and in the Manufacture of Ice Cream.
Claims use since Jan. 15, 1936.

345,550. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Aug. 20, 1936. Serial No. 382,382.

DOWSPRAY

For Insecticidal Mineral Oil Preparations.
Claims use since Jan. 30, 1936.

345,551. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JADWIGA REMEDIES, INC., Brooklyn, N. Y. Filed Oct. 16, 1936. Serial No. 384,422.

REDDY RUB

For Rubbing Liniment.
Claims use since 1931.

345,552. (CLASS 39. CLOTHING.) ALBERT RICHARD COMPANY, Milwaukee, Wis. Filed Oct. 22, 1936. Serial No. 384,671.

ACTION FIT

For Leather and Woolen Outer Garments for Men, Women, Boys and Girls—Namely, Coats, Jackets, Blazers, Mackinaws, and Snow Suits.
Claims use since Feb. 19, 1936.

345,553. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEHEMIAH GITELSON & SONS, New York, N. Y. Filed Jan. 12, 1937. Serial No. 387,709.

Fortified Fabric

For Textile Fabrics in the Piece, Consisting of Coutils, Jeans, Batistes, Sateens, Twills, Brocades, Plain Cloths, Dobby and Jacquard, All Cotton or Mixed with Rayons or Acetates.
Claims use since Apr. 2, 1935.

345,554. (CLASS 39. CLOTHING.) MITCHELL & WEBER, INC., New York, N. Y. Filed Jan. 26, 1937. Serial No. 388,203.

LINES
IMPORTED
Mademoiselle

For Ladies' and Misses' Blouses and Dresses.
Claims use since Oct. 7, 1935.

345,555. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) MARTIN LINK, Milltown, N. J. Filed Jan. 30, 1937. Serial No. 388,358.

HEATWELL

For Oil Burners.
Claims use since Feb. 1, 1935.

345,556. (CLASS 39. CLOTHING.) DEUTSCHER & BLOOM, Brooklyn, N. Y. Filed Feb. 4, 1937. Serial No. 388,531.

Snyder's

For Men's and Boys' Hats and Caps, Haberdashery, and More Particularly, Ties, Hosiery, Dress, Negligee, Work, Sport, and Under Shirts, Underwear, Mufflers, Gloves Made of Leather or Fabric, Pajamas, Bathrobes, and Lounging Robes.
Claims use since July 1, 1935.

345,557. (CLASS 39. CLOTHING.) MITCHELL & WEBER, INC., New York, N. Y. Filed Feb. 12, 1937. Serial No. 388,846.

PALM SPRINGS
Fashions at a Price

For Ladies' and Misses' Blouses and Dresses.
Claims use since Jan. 6, 1936.

345,558. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) J. DE BEER & SON, Albany, N. Y. Filed Feb. 17, 1937. Serial No. 389,012.

ELASTIC SHELL

For Soft Balls, Playground Balls, Indoor Balls, and Baseballs.
Claims use since Nov. 1, 1935.

345,559. (CLASS 39. CLOTHING.) ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed Feb. 24, 1937. Serial No. 389,295.

REMSEN

For Women's and Misses' Blouses.
Claims use since Jan. 16, 1936.

345,560. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CROWELL PUBLISHING COMPANY, New York, N. Y. Filed Feb. 26, 1937. Serial No. 389,408.

THE HARVARD CLASSICS
THE FIVE-FOOT SHELF OF BOOKS

For a Series of Books.
Claims use since 1909.

TRADE-MARK REGISTRATIONS RENEWED

14,415. RUBBER BELTING. Registered May 17, 1887. REVERE RUBBER COMPANY, Boston, Mass., assignor to Revere Rubber Company, a corporation of Rhode Island. Re-renewed May 17, 1937, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

115,490. A SALVE FOR CUTS, BRUISES, LACERATIONS, AND SKIN AND MUSCULAR INJURIES. Registered February 20, 1917. MAGDALENA CHEJLAVÁ, Chicago, Ill. Renewed February 20, 1937, to Magdalena Chejlavá, Cicero, Ill.

115,642. READY-MIXED PAINTS. Registered February 27, 1917. THE LOWE BROTHERS COMPANY. Renewed February 27, 1937, to The Lowe Brothers Company, Dayton, Ohio, a corporation of Ohio, assignee by mesne assignments.

115,849. ELECTRIC STORAGE BATTERIES OR ACCUMULATORS, THEIR PARTS AND SUPPLIES. Registered March 13, 1917. THE ELECTRIC STORAGE BATTERY COMPANY, Philadelphia, Pa., a corporation of New Jersey. Renewed March 13, 1937.

115,861. TROLLEY-WIRE CLAMPS. Registered March 13, 1917. THE OHIO BRASS COMPANY, Mansfield, Ohio, a corporation of New Jersey. Renewed March 13, 1937.

115,866. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS. Registered March 13, 1917. THE SCHOLL MANUFACTURING COMPANY. Renewed March 13, 1937, to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York, by change of name.

115,940. CROCHET HOOKS OR NEEDLES. Registered March 27, 1917. THE CLARK THREAD COMPANY, Newark, N. J., a corporation of New Jersey. Renewed March 27, 1937.

116,006. WHEAT-FLOUR. Registered March 27, 1917. THE SEGUIN MILLING & POWER CO., Seguin, Tex., a corporation of Texas. Renewed March 27, 1937.

116,082. PEPTIC COAGULANT. Registered April 3, 1917. PARKE, DAVIS & CO., Detroit, Mich., a corporation of Michigan. Renewed April 3, 1937.

116,242. MAGAZINES ISSUED MONTHLY. Registered April 17, 1917. THE RUDDER PUBLISHING COMPANY, New York, N. Y., a corporation of New York. Renewed April 17, 1937.

116,442. COTTON DUCK. Registered May 1, 1917. MOUNT VERNON-WOODBERRY MILLS, INC., Baltimore, Md., a corporation of Maryland. Renewed May 1, 1937.

116,443. COTTON DUCK. Registered May 1, 1917. MOUNT VERNON-WOODBERRY MILLS, INC., Baltimore, Md., a corporation of Maryland. Renewed May 1, 1937.

116,486. CERTAIN NAMED CANNED GOODS AND FOOD PRODUCTS. Registered May 1, 1917. THE WEIDEMAN CO., Cleveland, Ohio, a corporation of Ohio. Renewed May 1, 1937.

116,565. COMPOSITION INSOLES, BOX-TOES, AND HEEL-COUNTERS FOR BOOTS AND SHOES. Registered May 8, 1917. UNITED STATES RUBBER COMPANY, New York, N. Y., a corporation of New Jersey. Renewed May 8, 1937.

116,566. COMPOSITION INSOLES, BOX-TOES, AND HEEL-COUNTERS FOR BOOTS AND SHOES. Registered May 8, 1917. UNITED STATES RUBBER COMPANY, New York, N. Y., a corporation of New Jersey. Renewed May 8, 1937.

116,597. CROCHET HOOKS OR NEEDLES. Registered May 15, 1917. THE CLARK THREAD COMPANY, Newark, N. J., a corporation of New Jersey. Renewed May 15, 1937.

116,767. HARD-RUBBER ACID-CONDUCTING PIPES. Registered May 22, 1917. INDIA RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Renewed May 22, 1937, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee.

116,902. HOSIERY. Registered June 5, 1917. S. H. KRESS AND COMPANY, New York, N. Y., a corporation of New York. Renewed June 5, 1937.

116,903. HOSIERY. Registered June 5, 1917. S. H. KRESS AND COMPANY, New York, N. Y., a corporation of New York. Renewed June 5, 1937.

117,002. RUBBERIZED AIRCRAFT FABRICS. Registered June 5, 1917. UNITED STATES RUBBER COMPANY, New York, N. Y., a corporation of New Jersey. Renewed June 5, 1937.

117,003. RUBBER BOOTS AND SHOES AND FABRIC SHOES HAVING RUBBER SOLES ATTACHED THERETO BY VULCANIZATION. Registered June 5, 1917. UNITED STATES RUBBER COMPANY, New York, N. Y., a corporation of New Jersey. Renewed June 5, 1937.

117,004. RUBBER BOOTS AND SHOES AND FABRIC SHOES HAVING RUBBER SOLES ATTACHED THERETO BY VULCANIZATION. Registered June 5, 1917. UNITED STATES RUBBER COMPANY, New York, N. Y., a corporation of New Jersey. Renewed June 5, 1937.

117,005. RUBBER BOOTS AND SHOES AND FABRIC SHOES HAVING RUBBER SOLES ATTACHED THERETO BY VULCANIZATION. Registered June 5, 1917. UNITED STATES RUBBER COMPANY, New York, N. Y., a corporation of New Jersey. Renewed June 5, 1937.

117,139. CANNED SALMON. Registered June 19, 1917. P. E. HARRIS & COMPANY, INC., Seattle, Wash., a corporation of Washington. Renewed June 19, 1937.

117,360. BUTTONS ADAPTED FOR USE FOR ATTACHMENT TO PERSONAL APPAREL. Registered July 3, 1917. ROCHESTER BUTTON COMPANY. Renewed July 3, 1937. to Rochester Button Company, Rochester, N. Y., a corporation of New York, assignee.

117,377. COUGH-DROPS. Registered July 3, 1917. THE STERN & SAALBERG COMPANY. Renewed July 3, 1937, to The Sweets Company of America, Incorporated, New York, N. Y., a corporation of Virginia, by change of name and mergers.

117,378. COUGH-DROPS. Registered July 3, 1917. THE STERN & SAALBERG COMPANY. Renewed July 3, 1937, to The Sweets Company of America, Incorporated, New York, N. Y., a corporation of Virginia, by change of name and mergers.

117,413. BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER AND FABRIC. Registered July 10, 1917. BUCKINGHAM & HECHT, San Francisco, Calif., a corporation of California. Renewed July 10, 1937.

117,447. GASOLENE-TRUCKS. Registered July 10, 1917. KENTUCKY WAGON MANUFACTURING CO. Renewed July 10, 1937, to Kentucky Manufacturing Corporation, Louisville, Ky., a corporation of Kentucky, successor.

117,536. MACARONI, SPAGHETTI, AND VERMICELLI. Registered July 17, 1917. R. FABIEN & COMPANY. Renewed July 17, 1937, to R. Fabien & Co. Inc., New York, N. Y., a corporation of New York, assignee.

117,610. ADHESIVE BELT-CEMENT. Registered July 17, 1917. CHAS. A. SCHIEREN COMPANY, New York, N. Y., a corporation of New York. Renewed July 17, 1937.

117,653. A BREWED MALT NON-INTOXICATING BEVERAGE. Registered July 24, 1917. EVANSVILLE BREWING ASSN. Renewed July 24, 1937, to Sterling Brewers, Inc., Evansville, Ind., a corporation of Indiana, assignee.

117,704. COOKING-FAT. Registered July 24, 1917. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed July 24, 1937.

117,733. SALAD-OIL. Registered July 31, 1917. ARMSTRONG PACKING COMPANY. Renewed July 31, 1937, to Armstrong Packing Company, Dallas, Tex., a corporation of Texas, assignee.

117,773. SELF-RISING WHEAT-FLOUR. Registered July 31, 1917. MODERN FLOUR MILLS, Macon, Ga. Renewed July 31, 1937, to The Loudonville Milling Company, Loudonville, Ohio, a corporation of Ohio, assignee.

117,825. CERTAIN NAMED FOODS. Registered August 7, 1917. BURTON & DAVIS CO. Renewed August 7, 1937, to Wallace, Burton & Davis Co. Inc., New York, N. Y., a corporation of New York, assignee.

117,838. FERTILIZERS, AND PARTICULARLY FERTILIZERS COMPOSED OF ANIMAL MATTER. Registered August 7, 1917. DARLING & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 7, 1937.

117,926. LEMONS. Registered August 7, 1917. SAN FERNANDO LEMON ASSOCIATION, near San Fernando and Los Angeles, Calif. Renewed August 7, 1937, to San Fernando Lemon Association, San Fernando, Calif., a corporation of California.

117,928. LEATHER IN THE PIECE, SPECIALLY-PREPARED LEATHER, RAWHIDE, HYDRAULIC-CUP LEATHER, AND CURRIED MILL-BUTTS. Registered August 7, 1917. CHAS. A. SCHIEREN COMPANY, New York, N. Y., a corporation of New York. Renewed August 7, 1937.

117,949. ORANGES. Registered August 7, 1917. TUSTIN HILLS CITRUS ASSOCIATION, Tustin, Calif., a corporation of California. Renewed August 7, 1937.

117,950. ORANGES. Registered August 7, 1917. TUSTIN HILLS CITRUS ASSOCIATION, Tustin, Calif., a corporation of California. Renewed August 7, 1937.

118,049. ENAMEL PAINTS AND VARNISH. Registered August 14, 1917. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed August 14, 1937.

118,070. LEATHER GLOVES. Registered August 14, 1917. LOUIS MEYERS & SON, assignors to Louis Meyers & Son. Renewed August 14, 1937, to Louis Meyers & Son, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

118,071. LEATHER GLOVES. Registered August 14, 1917. LOUIS MEYERS & SON, assignors to Louis Meyers & Son. Renewed August 14, 1937, to Louis Meyers & Son, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

118,136. ORANGES. Registered August 21, 1917. ANAHEIM CITRUS FRUIT ASSOCIATION, Anaheim, Calif., a corporation of California. Renewed August 21, 1937.

118,145. PEROXID. Registered August 21, 1917. JOHN BENÉ & SONS INC., doing business as National Peroxide Company, Brooklyn, N. Y., a corporation of New York. Renewed August 21, 1937.

118,235. NEWSPAPER-SECTIONS. Registered August 21, 1917. STAR COMPANY. Renewed August 21, 1937, to King Features Syndicate, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

118,332. PLAYING-CARDS. Registered August 28, 1917. RUSSELL PLAYING CARD CO., Milltown, N. J. Renewed August 28, 1937, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio, assignee.

118,357. CERTAIN NAMED FANCY GOODS, FURNISHINGS, AND NOTIONS. Registered August 28, 1917. WALDES & CO., Prague-Wrschowitz, Austria-Hungary, assignor to Waldes & Company of New Jersey. Renewed August 28, 1937, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

118,358. CERTAIN NAMED FANCY GOODS, FURNISHINGS, AND NOTIONS. Registered August 28, 1917. WALDES & CO., Prague-Wrschowitz, Austria-Hungary, assignor to Waldes & Company of New Jersey. Renewed August 28, 1937, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

118,359. SNAP-FASTENERS AND PLACKET-FASTENERS. Registered August 28, 1917. WALDES & COMPANY OF NEW JERSEY, New York, N. Y. Renewed August 28, 1937, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

118,360. SNAP-FASTENERS. Registered August 28, 1917. WALDES & COMPANY OF NEW JERSEY, New York, N. Y. Renewed August 28, 1937, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

118,391. PREPARED ANIMAL AND POULTRY FOODS. Registered September 4, 1917. DARLING & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 4, 1937.

118,431. LADIES' AND CHILDREN'S DRESSES, APRONS, AND APRON-DRESS. Registered September 4, 1917. SANGER BROTHERS, Dallas and Waco, Tex., and New York, N. Y. Renewed September 4, 1937, to Sanger Brothers, Inc., Dallas, Tex., a corporation of Nevada, successor.

118,447. CERTAIN BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES. Registered September 4, 1917. THERMOID RUBBER COMPANY, Hamilton Township, Trenton, N. J., a corporation of New Jersey. Renewed September 4, 1937.

118,463. OLEOMARGARIN. Registered September 11, 1917. CAPITAL CITY DAIRY COMPANY. Renewed September 11, 1937, to The Capital City Products Company, Columbus, Ohio, a corporation of Delaware, by change of name.

118,554. CANNED VEGETABLES. Registered September 18, 1917. JOHN M. MICHAEL. Renewed September 18, 1937, to Florence Michael Pusey, Aberdeen, Md., successor.

LABELS

REGISTERED APRIL 27, 1937

49,225.—*Title:* BEECH-NUT SALTINES. For Biscuits. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published January 21, 1937.

49,226.—*Title:* SUGARYAMS. For House Cured Sweet Potatoes Graded U. S. No. 1 or Better. THE CLEMSON COLLEGE EXTENSION SERVICE, Clemson, S. C. Published December 18, 1936.

49,227.—*Title:* LEMEL. For a Preparation for Imparting a Perfect Lemon Flavor to Food and Beverages. EVER READY LABORATORIES, Springfield, Mass. Published January 15, 1937.

49,228.—*Title:* FREEDOM PERFECT MOTOR OIL. For Motor Oil. THE FREEDOM OIL WORKS COMPANY, Freedom, Pa. Published December 9, 1936.

49,229.—*Title:* GOVERNMENT GRADED FRESH EGGS. For Eggs. O. B. FREIDMAN CO., San Francisco, Calif. Published November 10, 1936.

49,230.—*Title:* DOCTOR KNIGHT BEDDING. For Bedding. L. G. HAMILTON, Branford, Conn. Published January 2, 1937.

49,231.—*Title:* GRENADIER BEER. For Beer. G. HEILEMAN BREWING CO., La Crosse, Wis. Published February 1, 1937.

49,232.—*Title:* HULL'S CREAM ALE. For Ale. THE HULL BREWING COMPANY, New Haven, Conn. Published December 16, 1936.

49,233.—*Title:* OL' SMOOTHY. For Perfumed Ironing Wax Pads with Fire-Proof Iron Rest. MASTER BRANDS INC., Chicago, Ill. Published September 15, 1936.

49,234.—*Title:* SULPH-O-PINE. For a Medicinal Sulphur Mineral Preparation for the Bath. JACK JOSEPH NEWELL & COMPANY, San Francisco, Calif. Published October 18, 1936.

49,235.—*Title:* DUCHESS. For Fresh Citrus Fruits. POLK COUNTY CITRUS SUB-EXCHANGE, Bartow, Fla. Published January 19, 1937.

49,236.—*Title:* APOLLO. For Chocolates. F. H. ROBERTS COMPANY, Cambridge, Mass. Published January 2, 1937.

49,237.—*Title:* SOYETTE HONEY BREAD. For Bread. SOYETTE BREAD PRODUCTS COMPANY, Chicago, Ill. Published September 21, 1936.

49,238.—*Title:* HUFF'S OLD RELIABLE BRAND 1880 COMPOUND. For a Medicinal Compound for Minor Bronchial Irritations and Coughs and Hoarseness Due to Colds. JAMES L. STRADER, Castle Shannon, Pa. Published November 1, 1936.

49,239.—*Title:* HELVETIA GENUINE IMPORTED SWISS TRANSPARENT ORGANDY. For Genuine Imported Swiss Transparent Organdy. SWISS FABRIC GROUP, New York, N. Y. Published December 22, 1936.

49,240.—*Title:* WRIGHT'S TESTED PLANT AID. For Artificially Blended Soil for Gardens, Lawns, and Plants. THE WRIGHT COMPANY, Old Bridge, N. J. Published January 21, 1937.

PRINTS

REGISTERED APRIL 27, 1937

16,167.—*Title:* 29¢ LB. FOR MY FRUIT-JELLS. For Candy and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published January 22, 1937.

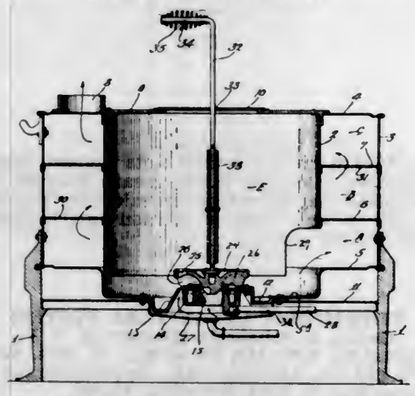
16,168.—*Title:* TRY OLD MR. BOSTON ROCK & RYE. For Rock and Rye. BEN BURK INC., Boston, Mass. Published December 31, 1936.

16,169.—*Title:* PEDIGREED. For Hosiery. MILWAUKEE BOSTON STORE, Milwaukee, Wis. Published January 29, 1937.

REISSUES

APRIL 27, 1937

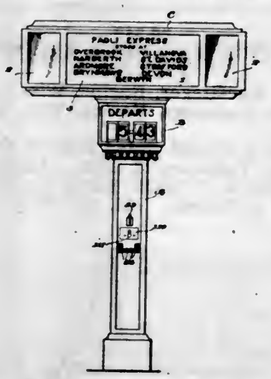
20,339
CLEANER FOR OIL BURNERS
Dewey H. Hill, Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind., a corporation of Indiana
Original No. 1,982,303, dated November 27, 1934, Serial No. 515,742, February 14, 1931. Application for reissue May 21, 1936, Serial No. 81,132
12 Claims. (Cl. 126—95)



9. In a heater, a top portion provided with a perforation, a burner including a fixed annular fuel trough positioned below and substantially coaxial with the said perforation, a rotatable vaporizing ring supported in said trough, a rotatable flame-spreader overlying said trough and ring and supported for rotation about the axis of said trough, means engaging said flame-spreader with the ring and means operable selectively to lift the flame-spreader from the trough and ring, or rotate both the flame-spreader and the engaged ring for scraping said trough, said last-mentioned means extending continuously during the operation of the heater through said perforation and presenting a handle spaced upwardly from the said top portion for permitting the flame spreader and ring to be rotated from the exterior of the heater while the said top portion of the heater is in its normal position.

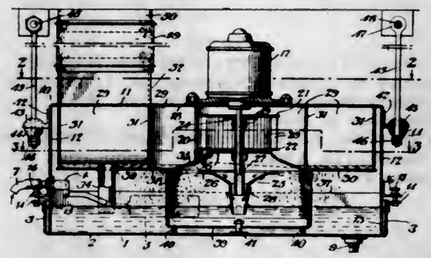
20,340
MOTOR OPERATED TRAIN INDICATOR
Job Hutchinson, Great Neck, N. Y.
Original No. 2,010,263, dated August 6, 1935, Serial No. 595,402, February 26, 1932. Renewed December 3, 1934. Application for reissue March 5, 1937, Serial No. 129,277
24 Claims. (Cl. 40—53)

5. In a changeable exhibitor, the combination with a traveling display element having thereon a plurality of legends, of motor driven mechanism for moving said display element, a main governing device comprising two co-operating members, an auxiliary governing device, both said auxiliary governing device and one member of said main governing device being connected with and driven by said display element, means for shifting the other member of said main governing device to set it to a predetermined position corresponding with that of a desired legend on said display element, means for putting said mechanism in operation, and means controlled by said auxiliary governing device for automatically arresting said



display element when it accurately reaches a position corresponding with that to which said member of said main governing device has been set.

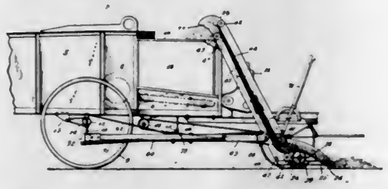
20,341
HUMIDIFIER
Edward S. Lea, Morrisville, Pa., assignor, by mesne assignments, to George Von Seebeck, New York, N. Y., trustee
Original No. 1,979,630, dated November 6, 1934, Serial No. 664,300, April 4, 1933. Application for reissue December 5, 1934, Serial No. 756,123
3 Claims. (Cl. 261—91)



1. A humidifying apparatus comprising a water reservoir, a centrifugal device power driven on a substantially vertical axis to raise water from the body of water in the reservoir and sling it outward laterally in a sheet around its periphery, a foraminous annular screen surrounding the periphery of said centrifugal device to receive said sheet against it and having its lower end immersed in the body of water in the reservoir, to conduct water received against the screen from the centrifugal device downward and form an annular descending film of water on the screen, the screen being exposed to the atmosphere around its outer side, a centrifugal fan in suction connection with the space enclosed by the screen to draw its intake of air through said water film on the screen and through said sheet discharged from the centrifugal device, and a spiral

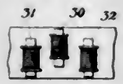
discharge conduit surrounding the fan and having several convolutions with a continuous spiral wall, the central convolution being laterally open to the periphery of the fan to receive the fan discharge across the conduit and directly against said spiral wall and the conduit being adapted to conduct substantially the entire volume of air discharged from the fan continuously along a true spiral path.

20,342
COMBINATION THRESHER AND WINDROW PICK-UP
Wallace F. MacGregor, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Original No. 1,919,896, dated July 25, 1933, Serial No. 91,049, February 27, 1926. Application for reissue March 21, 1935, Serial No. 12,304
18 Claims. (Cl. 56—364)



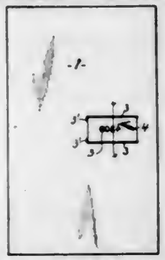
10. In combination, a vehicle having an axle, a windrow pick-up which is adapted to be pushed by said vehicle, and means for mechanically interconnecting said pick-up and said vehicle, said interconnecting means including an elongated, generally horizontally extending pusher member affixed at one of its ends to said axle and connected at the other of its ends to said pick-up by means which permits said pick-up to rock substantially independently of said vehicle about an axis extending generally parallel to, and lengthwise of, the line of travel of said vehicle.

20,343
RAIL FLAW DETECTOR MECHANISM
Charles B. Roede, Ridgefield, N. J., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Original No. 2,036,829, dated April 7, 1936, Serial No. 607,728, April 27, 1932. Application for reissue February 18, 1937, Serial No. 126,527
18 Claims. (Cl. 175—183)



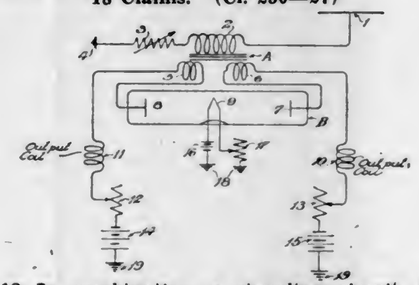
1. In a device for detecting flaws in rails, a detector unit, said unit comprising an induction coil having a core extending therethrough, only one end of said core having an arm extending downwardly adjacent the rail surface.

20,344
TYPE CARD FOR PRINTING MACHINES
George Van Dusen, deceased, late of Syracuse, N. Y., by Gaylord Brothers, Incorporated, Syracuse, N. Y., assignee
Original No. 1,818,830, dated August 11, 1931, Serial No. 479,122, September 1, 1930. Application for reissue January 25, 1937, Serial No. 122,314
8 Claims. (Cl. 101—369)



1. A card having spaced slots therein, and a type-plate; said card having means whereby the type-plate may be entered in said slots and slid therein to and from a position interlockingly engaging the slots.

20,345
THERMIONIC RELAY TUBE SYSTEM
George S. Schaberle, Hempstead, N. Y.
Original No. 1,960,349, dated May 29, 1934, Serial No. 604,748, April 12, 1932. Application for reissue May 28, 1936, Serial No. 82,380
18 Claims. (Cl. 250—27)



12. In combination, a signaling circuit, two translating circuits each including in serial circuit relation a signal translating device, a space discharge path comprising two spaced electrodes mounted in an ionizable atmosphere, and a source of current having a voltage lower than the ionization potential and above the discharge sustaining potential of said discharge path, and means for coupling said translating circuits to said signalling circuit and being responsive to the receipt of signal impulses from said signaling circuit for increasing the potential across the electrodes of one discharge path to a value above the ionization potential and decreasing the potential across the electrodes of the other path to a value below the discharge sustaining potential.

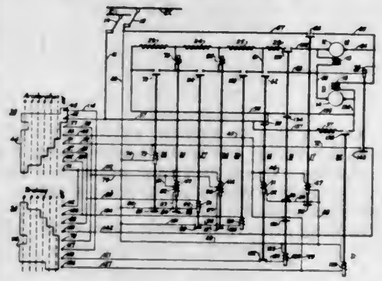
PATENTS

GRANTED APRIL 27, 1937

2,078,215
NONLIQUID MAPLE FLAVORING MATERIAL
Hugh E. Allen, Evanston, Ill., assignor of one-half to Albert G. McCaleb, Evanston, Ill.
No Drawing. Application November 22, 1935, Serial No. 51,075
2 Claims. (Cl. 99—141)

1. A non-liquid maple flavoring material of non-sticky and non-staining character comprising sugar having its particles coated with maple flavor concentrate which is rendered non-staining and non-sticky by reason of the presence therein of glycerine.

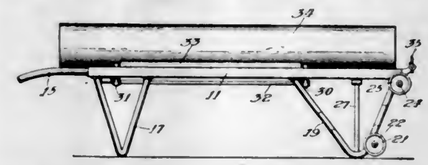
2,078,216
MOTOR CONTROL SYSTEM
Bascum O. Austin, Forest Hills, and Norman H. Willby, Irwin, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 2, 1935, Serial No. 68
7 Claims. (Cl. 172—288)



1. In a motor control system, in combination, a motor, a source of power for the motor, switching means for connecting the motor to the power source, a controller for controlling the operation of said switching means, a plurality of resistors for controlling the motor current, a plurality of switches for shunting the resistors step-by-step, a plurality of current limit relays cooperating with the controller to control the operation of said resistor shunting switches, each of said relays having a coil energized by the motor current in sequential relation as the resistor shunting switches are operated, and means on said relays associated with said controller for changing the operating characteristics of the relays.

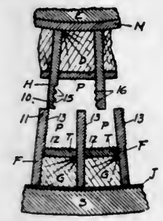
2,078,217
DISPLAY TRUCK
Leon H. Best, Galva, Ill., assignor to John H. Best & Sons, Inc., Galva, Ill., a corporation of Illinois
Application January 29, 1936, Serial No. 61,275
6 Claims. (Cl. 280—54)

1. A truck for handling and displaying rolls of sheet material and comprising a frame, transporting wheels mounted on the frame, a shovel plate pivotally mounted on the lower end of the frame, and a bed on the frame to receive a roll of material and means automatically movable to shift the bed lengthwise of the frame away from the shovel plate as the truck is moved from upright to horizontal or display position to protect the adjacent end of the roll from damage by the



shovel plate while the roll is being unrolled for purposes of display.

2,078,218
INTERCEPTING MEMBER FOR PAPER STOCK TREATING MACHINES
Archer Le Roy Bolton, North Andover, Mass., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass., a corporation of Massachusetts
Application November 26, 1934, Serial No. 754,801
9 Claims. (Cl. 92—22)

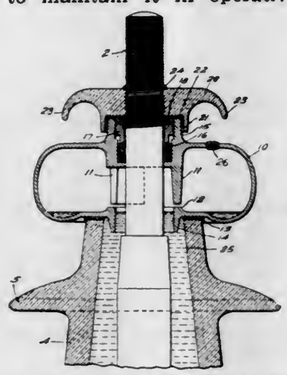


1. The combination with a paper stock treating roll, of stock treating metal blades which extend radially outward from the surface of the roll in planes which are parallel with the axis of the roll so as to form an annular set of longitudinal pockets, one surface of each blade being substantially smooth and another surface which forms a wall of a pocket being formed with integral projecting longitudinal ribs.

2,078,219
BUSHING SEALING CAP
Gordon A. Burr, Wilkinsburg, and Edwin E. Arnold, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 29, 1934, Serial No. 717,980
3 Claims. (Cl. 173—318)

2. In a bushing for high-tension electrical apparatus comprising a cylindrical casing of insulating material having a conducting rod extending axially therethrough, one end of said casing being rigidly mounted with respect to said conductor and the free end of said casing terminating adjacent to the free end of said conductor, an axially expansible member of bowl-shape having an axial aperture to permit the conductor to extend therethrough and having a lower face proportioned to rest upon the end face of said casing, means on the upper part of said member for embracing said conductor in fluid-tight relation, and means engaging said con-

ductor for compressing said member a sufficient amount to maintain it in operative position



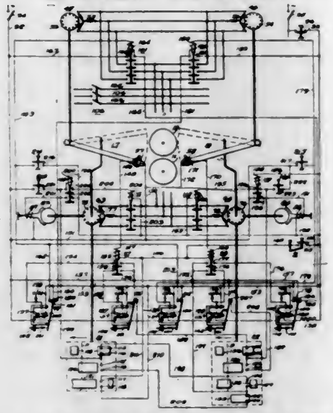
throughout the range of relative axial expansion and contraction of the conductor and casing.

2,078,220

CONTROL SYSTEM

Glenn A. Caldwell, Swissvale, and George R. Shaw, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 11, 1932, Serial No. 610,530
12 Claims. (Cl. 80—47)



1. In a control system for sheet rolling mills provided with a plurality of rolls, in combination, a passer table and a catcher table disposed on opposite sides of the rolls, motor-operated feeding means on the passer table for passing the sheet between the rolls, motor-operated receiving means on the catcher table for conveying the sheet away from the rolls after a rolling operation has been performed, motor-operated elevating means individual to each table for operating the tables to a raised position to clear the rolls, a trigger switch on each table disposed to be actuated by the sheet passing thereover, control means responsive to the trigger switches for effecting the reverse operation of the motor-operated feeding and receiving means and initiating the movement of the motor-operated elevating means individual to the catcher table to the clear position a predetermined time after the sheet leaves the passer table and after it arrives on the catcher table, and control means actuated by the motor-operated elevating means of the catcher table for initiating the functioning of the motor-operated elevating means individual to the passer table after the catcher table is moved a predetermined distance from either its initial or raised position, the first-named control means also being disposed to effect the forward operation of the feeding and receiving means and initiating the movement of the elevating means individual to the catcher table to the initial position a predetermined time after the sheet leaves the catcher table and after it arrives on the passer table.

2,078,221

DISPLAY SIGN AND METHOD OF CONSTRUCTION

Julian Charles Adams, Detroit, Mich.

Application June 10, 1936, Serial No. 84,519
4 Claims. (Cl. 40—125)



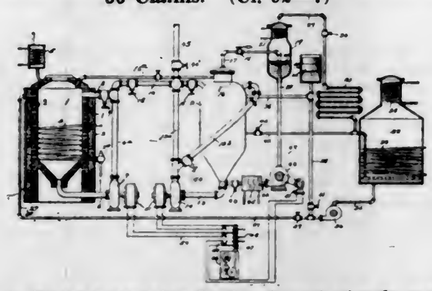
3. A display sign comprising a sheet of bendable material having its corners severed, the central portion of said sheet being arranged to carry a display advertisement, the edges of said sheet being first angularly disposed with reference to the surface bearing the display and then rolled so that said angles are enclosed within the rolls.

2,078,222

SYSTEM OF FIBER LIBERATION

Charles D. Altick, Lloyd D. Smiley, and Edward T. Turner, Dayton, Ohio, assignors to Pulp Process and Development, Inc., Dayton, Ohio, a corporation of Ohio

Application March 12, 1934, Serial No. 715,150
36 Claims. (Cl. 92—7)



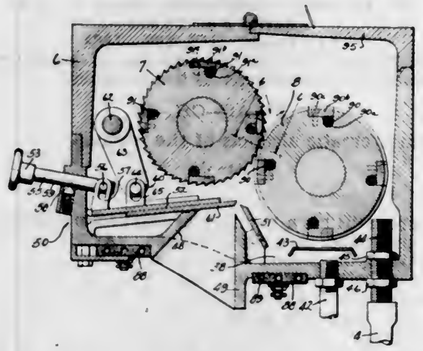
1. In an apparatus for treatment of pulp making material, a soak tank for preparation of material, a digester tank for the reduction of the prepared material, a circulatory conduit for an intermixture of material and liquid leading from one end of the soak tank and discharging into the opposite end thereof, a second discharge connection from said circulatory conduit to the digester tank, a circulatory conduit for an intermixture of material and cooking liquor leading from one end of the digester tank and discharging into the opposite end thereof, and a circulatory conduit for cooking liquor leading from one end of the digester tank and discharging into the opposite end thereof in reverse relation to the direction of circulation of the intermixture of material and liquor, and means for effecting circulation of material and liquor through the respective conduits.

2,078,223

MACHINE FOR FORMING AND APPLYING LIQUID SPRAY

William K. Andrew, Wauwatosa, Wis.

Application June 27, 1935, Serial No. 28,657
22 Claims. (Cl. 91—44)



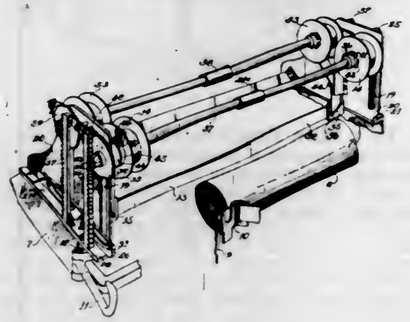
1. In a spray forming machine, the combination of a rotatable feed roll carrying liquid and another rotatable roll non-contactingly adjacent thereto, said other roll providing rigidly spaced saw-like teeth, said rolls being positioned for said teeth during rotation to pick up separate particles of the liquid carried by said feed roll, and means for rotation of said rolls at speeds adapted to continuously feed said liquid and to tangentially eject said particles.

2,078,224

COPY PRINTING MECHANISM

Harry D. Atwood, Detroit, Mich., assignor of one-half to J. C. Trimby, Detroit, Mich.

Application September 3, 1932, Serial No. 631,641
8 Claims. (Cl. 197—153)



8. In a typewriting machine, means for supporting a copy printing ribbon for vertical movement into and out of active position comprising a pair of horizontal shafts mounted to turn about a common axis and arranged for bodily vertical movement, a pair of spools at opposite ends of one of said shafts having opposite ends of said ribbon wound thereon and adapted to be driven by the latter shaft, and means operatively associated with opposite ends of the other shafts to maintain the shafts in horizontal position during vertical movement thereof to carry said ribbon into and out of printing position.

2,078,225

DECOPPERIZING LEAD WITH PHOSPHORUS

Jesse O. Betterton and Yurii E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 2, 1935, Serial No. 9,106
8 Claims. (Cl. 75—78)

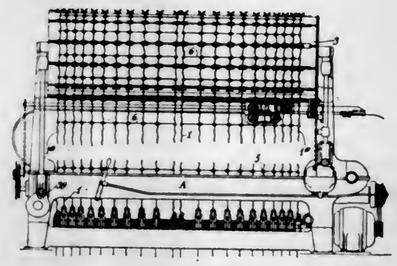
1. The process for removing copper from lead which comprises establishing a molten bath of the metal, incorporating a phosphorus-yielding substance therein, cooling said bath and separating the dross therefrom.

2,078,226

WIRE FABRIC MAKING MACHINE

Arthur Ernest Blashill, Withington, Manchester, England

Original application June 18, 1931, Serial No. 545,321, now Patent No. 1,996,061, dated April 2, 1935. Divided and this application January 14, 1935, Serial No. 1,796. In Great Britain June 24, 1930
8 Claims. (Cl. 140—11)



1. In a machine for forming wire fabric composed of line wires and stay wires secured to the line wires transversely thereof by means of wire locks secured at the points of intersection of the stay wires with the line wires, the combination therewith of a continuously rotatable drum adapted to feed the line wires through the machine and means for imparting translational to and fro movements to this same drum during the rotation thereof.

2,078,227

CIGAR AND WRAPPER

Harry Blum, New York, N. Y., assignor to Harry Blum's Natural Bloom, Inc., New York, N. Y., a corporation of New York

Application August 5, 1935, Serial No. 34,817
6 Claims. (Cl. 131—11)



5. A cigar wrapper formed of transparent material and weakened by a scoring extending circumferentially about the wrapper intermediate its length, the weakened intermediate portion of the wrapper being provided with a simulation of a cigar band forming a moisture-proof and leak-proof seal extending circumferentially around the wrapper to prevent air and moisture from

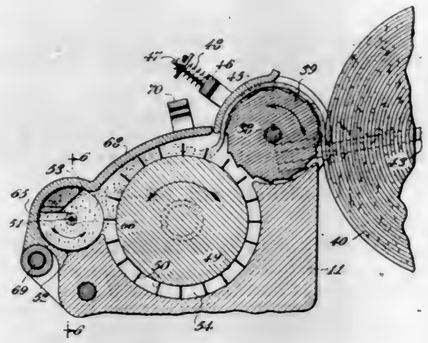
passing through the scored portion of the wrapper, said seal consisting solely of set material applied to the outer face of the wrapper in a liquid or plastic state and allowed to set.

2,078,228

METHOD AND APPARATUS FOR SHEATHING CORES

Sidney E. Borgeson, Rome, N. Y., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey

Application July 27, 1932, Serial No. 625,174
22 Claims. (Cl. 117—40)



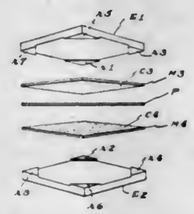
1. The method of forming a compact felted jacket of intimately interentangled fibers about a core which comprises moving the core lineally, continuously projecting a thin stream of disconnected fibers toward the moving core in a direction essentially normal to the core, and applying the fibers of the stream to the core in a multiplicity of overlying thin layers.

2,078,229

MOUNTING FOR PIEZOELECTRIC ELEMENTS

Samuel A. Bokovoy, Audubon, and Paul D. Gerber, Woodlynne, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application December 31, 1935, Serial No. 57,000
11 Claims. (Cl. 171—327)



1. The combination with a piezo-electric element and a pair of electrodes therefor of a layer of insulating material and a layer of conductive material interposed between each electrode and said piezo-electric element.

2,078,230

PROCESS FOR HYDROGENATING SUBSTITUTED AROMATIC ALCOHOLS

Euclid W. Bousquet, Wilmington, and Wilbur A. Lazier, Marshallton, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 2, 1934, Serial No. 728,672
14 Claims. (Cl. 260—108)

1. Process for the production of substituted aromatic hydrocarbons of the formula

$$X—Ar—CH_2—R$$

from aromatic alcohols of the formula

$$X—Ar—\underset{\displaystyle R}{\underset{|}{CH}}—OH$$

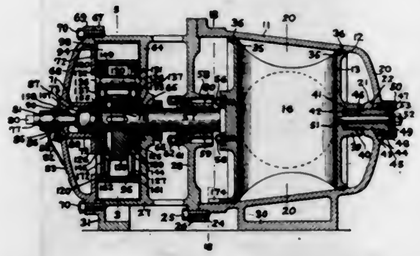
wherein "R" is a member of the group consisting of hydrogen and aryl radicals, "Ar" is an aromatic hydrocarbon radical, and "X" is at least one substituent from the class consisting of carboxyl and salts, esters, and amides thereof, which comprises bringing said alcohol into contact with hydrogen in the presence of a hydrogenating catalyst at a temperature of 30° to 150° C. and a pressure of at least 150 pounds per square inch.

2,078,231

VALVE

Eugene C. Brisbane, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania

Application July 26, 1934, Serial No. 737,028
20 Claims. (Cl. 137—139)



1. In a valve structure, the combination of a valve body having a passage therethrough and a valve seat, a ported plug in said body cooperating with said valve seat and movable to open and to close said passage, a casing directly associated with the valve body, operating means therein including a rotatable fluid operated piston adapted to be rotated through an angle in excess of the turning angle of the valve plug, and means within said piston and actuated by said piston for axially moving said valve plug in a straight line during the portions of the rotation of the piston in which the valve plug is not rotated.

2,078,232

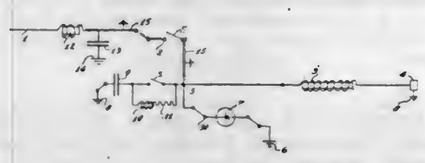
INDUCTIVE CONTROL CIRCUITS

Alexander H. Brown, Jr., New York, N. Y., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y., a corporation of New York

Application July 19, 1935, Serial No. 32,159½
29 Claims. (Cl. 171—97)

13. The combination of a circuit comprising an inductance and a low potential conductor, a high

potential conductor, a contactor for intermittently connecting and disconnecting said high potential conductor to and from said inductance and low potential conductor, the current around said circuit being interrupted upon the closing of said contactor, means for reestablishing said current and for maintaining said current during the period when said contactor is open, and means for substantially precluding arcing during opening of said contactor comprising an electrical line connected at one end to the electrical connection between said contactor and said induct-



ance and having a condenser therein, an inductor in said line between said contactor and said condenser, a shunt by-passing said inductor and having a switch means therein for directly connecting said condenser and said contactor upon closing thereof, the switch means in said shunt being open during the charging of said condenser and closed after the potential across the terminals of said inductor is balanced, the means for opening said contactor functioning subsequent to the closing of the switch means in said shunt.

2,078,233

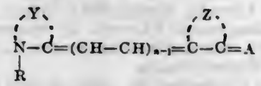
PHOTOGRAPHIC EMULSION

Leslie G. S. Brooker, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

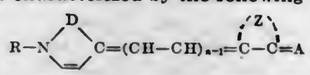
Application November 8, 1934, Serial No. 752,036
In Great Britain September 14, 1934
21 Claims. (Cl. 95—7)



7. A photographic-silver-halide emulsion containing a photographic sensitizing dye selected from the group consisting of dyes characterized by the following formula:



and dyes characterized by the following formula:



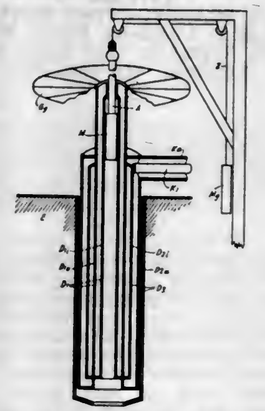
wherein A represents an atom selected from the group consisting of oxygen and sulfur, D represents a phenylene group, R represents an alkyl group, n represents a positive integer not greater than three and Y and Z represent the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of five-membered and six-membered heterocyclic nuclei.

2,078,234

VARIABLE ANTENNA TUNED TO AN ODD NUMBER OF QUARTER WAVES

Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application December 16, 1935, Serial No. 54,588
In Germany January 17, 1935
8 Claims. (Cl. 250—33)



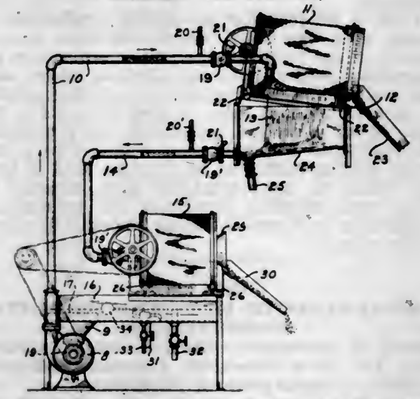
1. In combination, a vertical antenna tuned to have a length equal to an odd multiple of a quarter of the operating wave, a variable length support attached to the upper end of said antenna, a weight attached to the lower end of said antenna, a concentric conductor system having inner and outer tubular conductors located beneath said antenna, said weight being free to move within said inner conductor as said antenna is varied in length from said upper end, said inner conductor being in electrical contact with said antenna.

2,078,235

HYDRAULIC APPARATUS

Frank D. Chapman, Berlin, Wis.

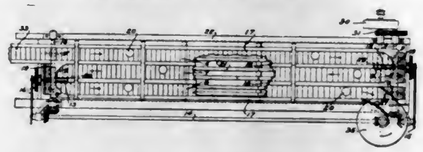
Application August 5, 1935, Serial No. 34,740
7 Claims. (Cl. 302—14)



1. A hydraulic system comprising, a conveyor conduit, a constant capacity pump for delivering a mixture of liquid and peas to said conduit, means providing an annular dam for delivering the mixture to the inlet side of said pump, means for delivering peas within said dam below the

crest thereof, a liquid reservoir for delivering liquid over said dam, and means for automatically controlling the quantity of liquid in said reservoir so as to vary the quantity of liquid delivered over said dam inversely with respect to variations in the quantity of admitted peas in order to maintain the volume of the mixture substantially constant.

2,078,236
CAN TRANSPORTING DEVICE
Frank D. Chapman, Berlin, Wis.
Application August 26, 1935, Serial No. 37,843
5 Claims. (Cl. 198—25)



1. A transfer device, comprising, a pair of elongated conveyors having adjacent relatively movable portions, a gradually curved guide extending laterally from one of said conveyor portions over the other, and a roller rotatable about a substantially horizontal axis and disposed between said conveyor portions near said guide, the opposite ends of said guide being directed along the adjacent conveyors and the medial portion of said guide extending across said roller.

2,078,237
PROCESSES FOR THE PRODUCTION OF ASCORBIC ACID
Otto Dalmer and Hermann Wieters, Darmstadt, Germany, assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application October 17, 1934, Serial No. 748,667. In Germany October 17, 1933
11 Claims. (Cl. 260—123)

1. The process of producing crystalline ascorbic acid comprising the steps of comminuting substantially fresh gladiola leaves, promptly expressing the native juice therefrom and extracting the ascorbic acid from the juice thus obtained.

4. In a process for producing crystalline ascorbic acid, the steps which comprise concentration of the juice obtained by comminution and immediate pressing of fresh gladiola leaves, adding 5 ccm. of a 10% potassium cyanide solution to each 10 liters of juice, mixing with a five-fold quantity of methanol, separating the precipitate, concentrating the methanol solution to a thin syrup, adding sufficient of a strong acid to bring the syrup to approximately pH3, mixing the syrup with acetone, removing the precipitated substances, and concentrating the acid filtrate to a thin syrup.

2,078,238
SEPARATION OF ETHYLENE FROM ITS HOMOLOGUES
Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 7, 1935, Serial No. 20,299
15 Claims. (Cl. 260—170)

1. The method which comprises separating ethylene from admixture with a higher olefine by selectively reacting the latter with a benzene compound at a reaction temperature below 50° C. in the presence of a catalyst capable of promoting a Friedel-Craft reaction.

2,078,239
ETHER RESINS
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application March 13, 1930, Serial No. 435,641
12 Claims. (Cl. 260—8)

1. A polybasic organic acid-monobasic organic acid-polyhydric alcohol ether resin.

11. A resin containing the reaction product of hydroxy butyric acid and a polyhydroxy alcohol.

2,078,240
MANUFACTURE OF SAFETY EXPLOSIVES
James Sinton Bruce Fleming, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 13, 1934, Serial No. 715,301. In Great Britain March 14, 1933
13 Claims. (Cl. 102—6)

7. A safety sheathing material for blasting explosives, said material being characteristically in the character of a sheet of cooling salts as distinguished from an ignitable base material carrying a modicum of salt, said sheet of cooling salts comprising a thin body of at least one substantially non-deliquescent cooling salt felted into a sheet with merely sufficient cellulosic fiber distributed therethrough to impart coherence and flexibility to the sheet, whereby to adapt the salt to the wrapping of blasting explosives.

2,078,241
PRODUCTION OF FURFURAL
Ellis I. Fulmer, Leo M. Christensen, and Ralph M. Hixon, Ames, Iowa, assignors to The Chemical Foundation, Incorporated, a corporation of Delaware
No Drawing. Application December 14, 1935, Serial No. 54,374
17 Claims. (Cl. 260—54)

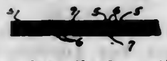
1. The process of producing furfural consisting in reacting a furfural-yielding material with a suitable acid, in an aqueous medium, simultaneously extracting the reaction product with a liquid solvent of furfural which is immiscible with water, and fractionally distilling the resulting solution.

2,078,242
MUFFLING DEVICE
Elliott E. Grover, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1934, Serial No. 754,967
2 Claims. (Cl. 181—35)



1. A multiple muffler construction for a gas compressor comprising two flat metal wall members, and a plurality of complementary depressions formed in each wall member, said wall members being juxtaposed and welded around the edges and between the depressions to form a plurality of muffling chambers, one of said muffling chambers being connected to receive the discharge gas from said compressor, and another of said muffling chambers being connected to receive the intake gas for said compressor, whereby the entire mass of the metal of said muffler construction deadens the pulsations of the discharge and intake gas from and to said compressor.

2,078,243
WEATHER STRIP AND METHOD OF MAKING THE SAME
David H. Harnly, Chicago, Ill.
Application August 19, 1935, Serial No. 36,794
3 Claims. (Cl. 154—2)

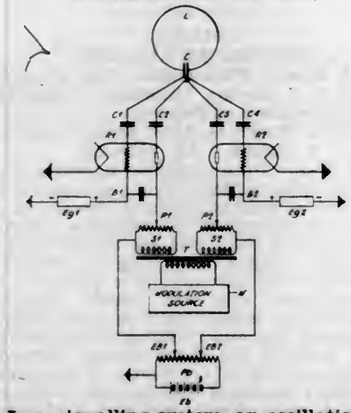


1. The herein described method of making weather strips which consists in vulcanizing a piece of fabric upon opposite sides of an elongated piece of sponge rubber, longitudinally slitting said piece to form narrower strips, and slitting said narrower strips upon diagonal lines spaced from the lateral edges thereof.

2,078,244
SALT BATH FOR CARBURIZING AND METHOD OF CARBURIZING
Henry H. High, Chicago, Ill., assignor to E. F. Houghton and Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 19, 1936, Serial No. 69,717
8 Claims. (Cl. 148—15)

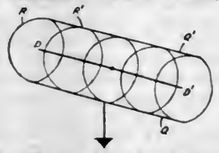
1. A salt bath for case-hardening iron and steel which comprises sodium cyanide, barium carbonate in quantities greater than about 15%, activated carbon of low combustibility greater than 4%, and a salt molten at the case-hardening temperature.

2,078,245
MODULATION AND FREQUENCY STABILIZATION
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 16, 1934, Serial No. 730,855
In Germany June 19, 1933
5 Claims. (Cl. 179—171)



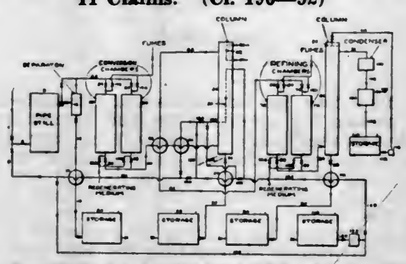
2. In a signalling system, an oscillation generator of the Barkhausen type comprising a pair of electron discharge tubes, each tube having anode and control grid electrodes connected by a circuit which with said tubes is resonant to the frequency of the oscillations to be generated, sources of potential connected with the electrodes of said tubes, a source of modulating potentials coupled in phase opposition to like electrodes in said tubes for modulating the amplitude of the oscillations generated in said tubes, and means for insuring that changes in reactance of said tubes and circuits caused by said modulating potentials on one of said electrodes is compensated by opposite and like variations in said modulating potentials on the other of said electrodes, whereby the frequency of the oscillations generated in said tubes and circuit remain substantially constant, comprising means for relatively adjusting the direct current potentials applied to the anodes of said tubes to a point at which said tubes each operate on opposite sides of their combined voltage resonance characteristic curves.

2,078,246
SHORT WAVE SHIELD
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 22, 1934, Serial No. 740,908
In Germany August 29, 1933
3 Claims. (Cl. 250—11)



1. In combination, an antenna, and a polarizing grating comprising a plurality of parallel spaced rings surrounding said antenna substantially throughout its entire length.

2,078,247
CATALYTIC CONVERSION OF HIGHER-BOILING HYDROCARBONS INTO LOWER-BOILING HYDROCARBONS
Eugene J. Houdry, Paris, France, assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application May 11, 1932, Serial No. 610,567
11 Claims. (Cl. 196—52)

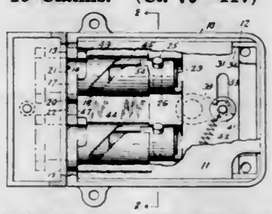


4. Process of manufacture of high anti-knock stable low boiling hydrocarbons from high boiling hydrocarbons comprising vaporizing the high boiling hydrocarbons by heating them to a temperature above 800° F., separating entrained liquid from the resulting vapors, cooling the separated liquid, contacting the vapors at a temperature of 800 to 1000° F. with either of two catalytic masses having selective adsorptive properties and capable of effecting a partial conversion, cooling the converted vapors by heat exchange with the high

boiling hydrocarbon charge, separating the converted vapors into low boiling vapors and high boiling liquid, cooling the high boiling liquid, contacting the low boiling vapors after heat exchange with said converted vapors at a temperature of 500 to 700° F. with either of two refining catalytic masses having selective adsorptive properties and comprising activated hydrosilicate of alumina and nickel oxide in molded pieces, separating the resulting products into lower boiling vapors and higher boiling liquid, cooling the higher boiling liquid, condensing the lower boiling vapors to secure a finished product, selectively heating said charge by heat exchange with the said separated liquids, and alternately regenerating the contact masses for each of said catalytic operations in order that the process may be operated continuously.

11. Apparatus for the catalytic conversion of higher boiling hydrocarbons into stable low boiling hydrocarbons comprising a still, two catalyst chambers, means selectively to conduct vapors from said still to said catalyst chambers, a fractionating column, a heat exchanger, means to conduct vapors from said chambers through said heat exchanger to the bottom of said column, two refining catalyst chambers, means selectively to conduct vapors from the top of said column through said heat exchanger to said refining catalyst chambers, a second fractionating column, condensing means for the vapors issuing from said second column, discharge lines for liquid from the bottom of both said columns, a heat exchanger in each line, means for selectively conducting charge for said still through said last named heat exchangers, and means for effecting regeneration in situ of the catalytic masses in all said chambers whereby continuous operation of the apparatus may be effected, by having one of each pair of chambers in operation while the other is in regeneration.

2,078,248
LOCK
John Holtzman, New York, N. Y.
Application September 7, 1929, Serial No. 390,939
19 Claims. (Cl. 70—117)



1. In a lock, an extensible and rotatable bolt, and means for operating the bolt comprising a slotted movable plate disposed on one side of the bolt, a slotted stationary plate disposed on the other side of the bolt, a sleeve on said bolt between and supported by the plates, said sleeve and bolt being longitudinally movable together as a unit, means for limiting the extension of the bolt, and means for rotating the bolt and the sleeve together in the projected position of the bolt.

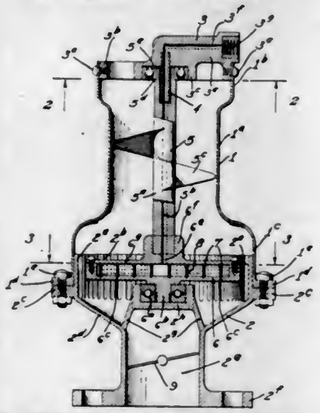
2,078,249
DEVICE FOR WEIGHING OF THE BALANCE TYPE
John H. Hotson, Woodside, N. Y.
Application June 19, 1934, Serial No. 731,255
9 Claims. (Cl. 265—32)

1. A clip attachable to an elongated article, comprising in itself two jaws spring actuated against each other and adapted to engage between them the free edge of a pocket when the clip is parallel with the body of said article, means adapting said clip to be attached loosely



at a point on the body of the article and to swing freely at substantially right angles to said body when same is suspended in a horizontal position, said clip being adapted to having pushed between its jaws an envelope or letter.

2,078,250
COLD GAS CARBURETOR AND GENERATOR
Gene P. Hurlburt, Los Angeles, Calif., assignor to Maxwell C. Knowles, Los Angeles, Calif.
Application July 2, 1935, Serial No. 29,484
16 Claims. (Cl. 261—88)

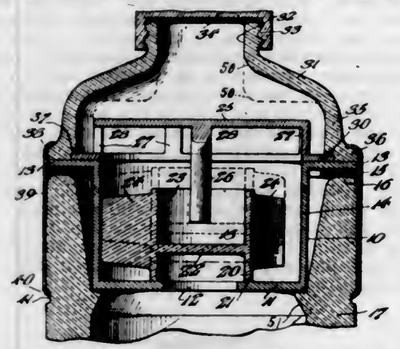


1. In a cold gas carburetor and generator, a casing, a spiral turbine revolubly mounted therein, a fuel conduit extending from the upper side of said casing downwardly through the axis of said turbine, and a rotor of greater diameter than said turbine operatively connected with said turbine in said casing arranged to receive and distribute fuel from the periphery of said rotor.

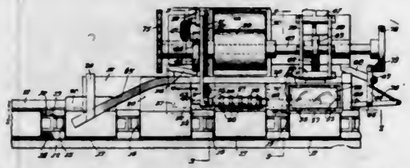
2,078,251
RECEPTACLE CLOSURE
Charles J. Jesnig, Philadelphia, Pa., assignor to Positive Seal Closure Company, Philadelphia, Pa., a corporation of Delaware
Application March 11, 1936, Serial No. 68,158
4 Claims. (Cl. 215—26)

1. In a closure for a container having a neck, a primary flanged section having a reduced neck portion and a pouring opening therein, a substantially cylindrical valve-containing secondary section flanged at both ends, an intermediate section forming a guard comprising an imperforate disc, a perforated disc of larger diameter than said imperforate disc and spaced connecting means extending substantially perpendicularly of the perforated disc and forming horizontal radial openings between the discs, means formed on contiguous portions of the flange of the primary section and a flange of the secondary section to receive said larger diametered disc, said primary and secondary sections being disposed in relative juxtaposition, a flat washer-like gasket about said valve-containing section, and container-engaging

means to abut the flange of the upper section and thereby permanently to secure the perforated disc in said means and a flange on each of said sections in superposed relation on said gasket and against the outer end of the container neck.

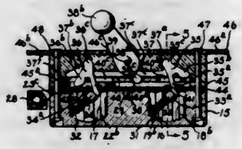


2,078,252
LABEL APPLYING MECHANISM
Norman Kraft, Wilmette, Ill., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill., a corporation of Delaware
Application December 26, 1935, Serial No. 56,189
13 Claims. (Cl. 216—34)



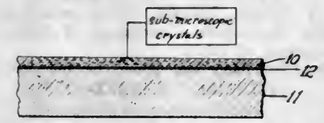
1. In a machine of the class described, the combination of means for propelling a container having a flap projecting therefrom, means for folding said flap to open position incident to the movement of the container by said propelling means, and means for attaching a label to the inside of said flap when in said open position.

2,078,253
ELECTRIC SNAP SWITCH
Alvin W. Krieger, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 15, 1935, Serial No. 31,402
17 Claims. (Cl. 200—18)



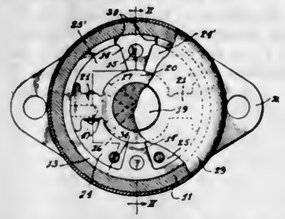
1. In an electric snap switch, in combination, a molded insulating base having a pair of relatively large substantially rectangular recesses formed therein and opening to the upper surface thereof, said recesses being arranged in end to end relation and the adjacent end walls thereof providing an insulating barrier therebetween, a plurality of stationary contacts located within each of said recesses, a pair of bridging contactors each located within one of said recesses and directly pivotally supported by the walls thereof, said contactors each being movable from one extreme position thereof to the other into and out of bridging engagement with the stationary contacts respectively associated therewith, means for effecting such movements of said contactors with a snap action, said means comprising a pair of oscillatable levers each having an abutment formed thereon, a coiled spring interposed between each abutment and the contactor respectively associated therewith, and common operating means for said levers, said means comprising a slidable member having a lost-motion driving connection with each of said levers, whereby the latter are moved to corresponding extreme positions thereof sequentially upon movement of said slidable member from each extreme position thereof to the other.

2,078,254
REFRACTING POLARIZING BODY
Edwin H. Land, Cambridge, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J., a corporation of New Jersey
Application March 10, 1930, Serial No. 434,833
8 Claims. (Cl. 88—14)



1. A polarizing body comprising a set suspending medium of cellulosic material having polarizing particles dispersed therethrough, the polarizing axes of said particles being oriented and immovably retained by the suspending medium in substantial parallelism, said particles having one dimension not exceeding 400 millimicrons whereby the polarizing body transmits light without showing appreciable scattering.

2,078,255
HYDRAULIC SHOCK ABSORBER
Carl F. Lautz, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application January 4, 1934, Serial No. 705,193
18 Claims. (Cl. 188—89)



1. In a hydraulic shock absorber, the combination of a housing forming a chamber for hydraulic fluid, a piston structure operable within said chamber to displace the fluid therein, a passageway for the flow of hydraulic fluid from one side of the piston structure to the other, said passageway comprising an intermediate expansion chamber, a port leading from said chamber to one side of the piston and a smaller port leading from said expansion chamber to the other side of said piston, a reed valve overlying said smaller port and having a metering orifice registering with said smaller port.

2,078,256

PREVENTING CORROSION OF METALS IN AQUEOUS SYSTEMS

Eugene Lieber, Elizabeth, and William H. Smyers, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 22, 1934, Serial No. 740,964
7 Claims. (Cl. 252—5)

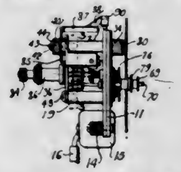
1. The method of preventing corrosion of metals in aqueous systems which comprises dispersing in said aqueous systems a small amount of an organic compound having the general formula R_nXY in which R_n represents monovalent organic radicals, the subscript "n" is a numeral one less than the valence of X, X is an inorganic element capable of forming an onium compound and which is capable of having a hydroxyl group directly connected thereto, and Y is a radical selected from the group consisting of hydroxyl and inorganic and organic radicals capable of forming weak or at least partially hydrolyzable salts and esters respectively with the positive radical of the onium compound.

2,078,257

SYNCHRONOUS MOTOR

Joseph I. Liner, Toledo, Ohio, assignor to The Electric Auto-Lite Company, Toledo, Ohio, a corporation of Ohio

Application May 28, 1935, Serial No. 23,892
1 Claim. (Cl. 172—279)



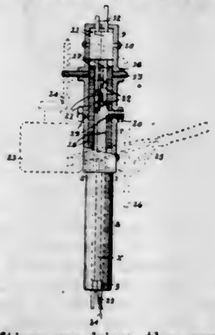
In an alternating current electric clock, a synchronous motor having a stator, a rotor and a setting shaft; means for launching said rotor at substantially synchronous speed comprising a movable member mounted on said shaft and having a portion adapted to engage said rotor; and resilient means coacting with said movable member.

2,078,258

TUFTING MACHINE

Frank J. Lundgren, Ridgewood, N. J., assignor to Colonial Industries of New Jersey, Inc., Paterson, N. J., a corporation of New Jersey

Application May 5, 1936, Serial No. 77,935
5 Claims. (Cl. 112—80)



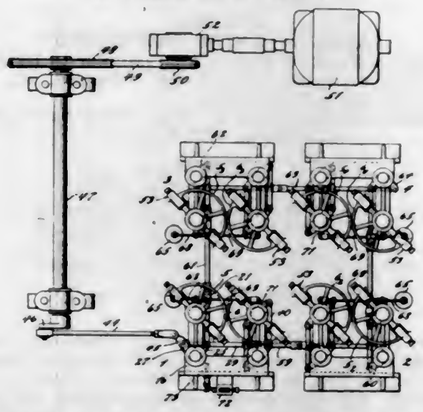
1. In a tufting machine, the combination, with a housing complete in two substantially counterpart and generally flat concavo-convex sections and means detachably uniting them in substantial registry with and with their concave sides facing each other, opposed elongated slides reciprocating lengthwise of themselves within the respective sections and guided thereby in paths substantially parallel to each other and to the plane between the sections and in reciprocating being adapted to protrude in the same direction from the housing and having their protruding ends adapted respectively to carry the needle and follower of the machine, a rotary driver journaled in the housing, and separate means, movable within the respective sections and geared to the driver, for transmitting reciprocation from the driver to said slides, one of the latter means being disconnective from the driver when said sections are separated.

2,078,259

FABRIC TESTING MACHINE

Julius Victor Magash, Wallington, N. J.

Application January 9, 1935, Serial No. 938
11 Claims. (Cl. 73—51)



3. A testing machine comprising two supports rotatably mounted on parallel pivots and each having a face disposed on an arc concentric with its pivot, means for securing test pieces of cloth to said faces, said pieces normally being in contact with each other when thus secured, and means for reciprocating said supports on their pivots to cause said pieces to move in opposite directions and equal distances, said arcuate construction of said faces causing uniform pressure between the contacting pieces on said faces.

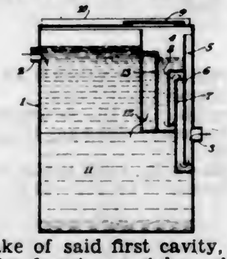
2,078,260

SEWAGE TREATMENT

Edward B. Mallory, Tenafly, N. J., assignor to Lancaster Iron Works, Inc., Lancaster, Pa., a corporation of Pennsylvania

Application February 18, 1936, Serial No. 64,450
4 Claims. (Cl. 210—6)

3. In combination with a generally cylindrical sheet metal tank, a siphon comprising a plurality of channel-shaped sheet metal members spaced apart, one within another, said members having their longitudinal edges fixed to an inside wall of the tank to provide a plurality of conduit cavities, one within another and between said members respectively and said wall, one of said cavities being arranged to provide an up-flow intake for the siphon, a second of said cavities being arranged to provide for the down-flow of liquid from the top of said intake cavity, a third of said cavities forming an up-flow outlet cavity communicating with the lower end of said down-flow cavity, the lower portions of said second and third cavities forming a trap following the siphon, said third cavity communicating with the exterior of the tank at a level adjacent the level



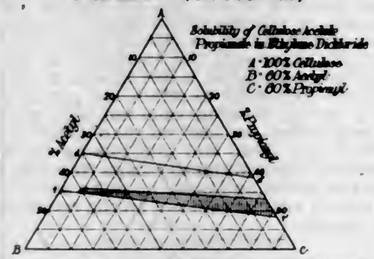
of the intake of said first cavity, a partition in said tank for forming a siphon chamber within the tank walls as a permanent part of a unitary assembly therewith, the wall portion of said tank carrying said channel members also comprising one of the side walls of said chamber, and means for conducting liquid from said tank at a point intermediate its upper and lower portions, into the upper part of said chamber.

2,078,261

COLLOIDIZING MIXED ESTERS OF CELLULOSE

Carl J. Malm, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application January 3, 1935, Serial No. 258
7 Claims. (Cl. 106—40)



1. The process of preparing a colloidized product from a cellulose acylate containing acetyl groups and acyl groups of 3–4 carbon atoms which acylate has been hydrolyzed beyond solubility in pure ethylene chloride but not to a point which would cause opaqueness in the product, which comprises dissolving the cellulose acylate in a mixture of ethylene chloride and a lower monohydroxy alcohol, the latter being present in less than the amount of its azeotrope with ethylene chloride, imparting the desired shape to the solution and then evaporating off the solvent therefrom.

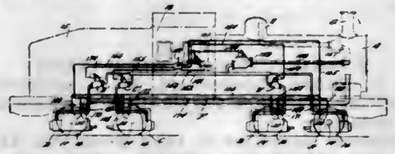
2,078,262

LOCOMOTIVE

John A. McGrew, Albany, N. Y.

Application May 16, 1935, Serial No. 21,855
6 Claims. (Cl. 105—37)

1. A locomotive in which all of the driving axles may be connected to or disconnected from the engine means, and in which each driving axle is rotatable independently of the others, comprising, in combination, a plurality of independently rotatable driving axles, a plurality of motors each capable of developing substantially the same tractive effort as any other one of said motors, when energized, one motor being associated with each axle and adapted to drive the same, the crank shaft of each motor being non-resiliently supported upon the axle with which the motor is associated, each motor being of the fixed cut-off type and developing the same tractive effort, when



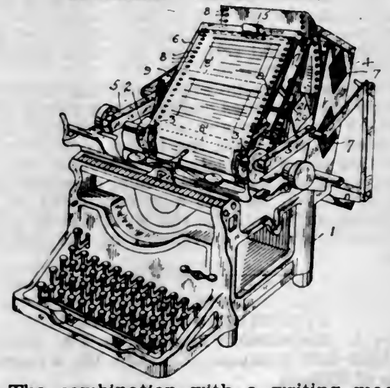
energized, at all speeds of the locomotive, and said motors collectively developing the entire tractive effort of the locomotive, means for connecting each motor to the associated axle for forward or reverse rotation of the axle or for disconnecting the motor and axle to permit free rotation of the axle when the associated motor is inoperative, a boiler the maximum capacity of which may be utilized by any one, or all, of the motors, and means for supplying steam from the boiler to one, or a plurality, or all of said motors as desired.

2,078,263

AUTOMATIC MANIFOLDING COLLATOR AND CARBON ASSEMBLY

Albert W. Metzner, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio

Application November 2, 1931, Serial No. 572,624
30 Claims. (Cl. 197—126)



1. The combination with a writing machine having unison feeding means for a plurality of superposed record strips and interleaved transfer sheets, of holding means for holding the inscribed portions of the strips, means beyond the writing position for retracting the interleaved transfer sheets relative thereto, and a lever mechanism operating to disengage the holding means whereby the strips are released.

2,078,264

EXPLOSIVE

Frank E. Miller and James D. McLeod, Oakland, Calif., assignors to General Explosives and Powder Corporation, a corporation of California

No Drawing. Application July 17, 1934, Serial No. 735,566
10 Claims. (Cl. 52—13)

1. The process which comprises adding forty-

five (45) avoirdupois ounces of flake naphthalene to one hundred (100) fluid ounces of 40° Bé. nitric acid and forty (40) fluid ounces of 66° Bé. sulphuric acid, maintaining the same at about 100° C., and washing out the resulting oily mass until the acidity is about ¼ of 1% calculated as sulphuric acid.

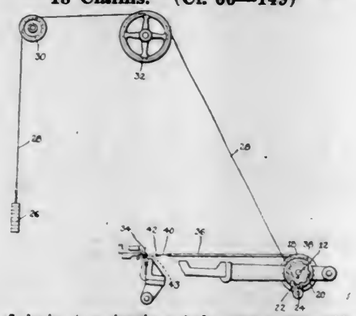
8. A blasting powder consisting of an explosive nitro-compound, an inorganic nitrate, and the product of the process of claim 1.

2,078,265

FABRIC TAKE-UP MECHANISM

Max C. Miller, Cumberland, R. I., assignor to Knitting Machines Corporation, a corporation of Delaware

Application November 9, 1935, Serial No. 49,081
18 Claims. (Cl. 66—149)



1. A fabric tensioning take-up connection for connecting the fabric to the fabric take-up roll of a flat full-fashioned knitting machine comprising a connecting element constructed for elasticity over substantially its entire length between the fabric and said roll, and having a predetermined limit of stretch.

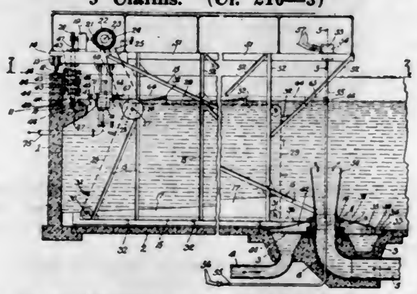
16. A fabric take-up and tensioning device for flat knitting machines comprising a fabric take-up roll, a counterweight, a counterweight drum connected to turn with the roll, a counterweight supporting strap connected to be wound onto the drum, said drum having a smaller diameter than that of the roll so that any movement of the peripheral surface of the roll will produce a proportionately smaller movement of the counterweight.

2,078,266

CIRCULAR COLLECTOR

George L. Morehead, Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois

Application July 12, 1935, Serial No. 31,027
9 Claims. (Cl. 210—3)



1. In combination in a tank adapted to receive liquid, a liquid inlet member in the bottom of the tank spaced from the walls thereof and means for removing settled solids from the tank, comprising a fixed trough, a discharge from it and means for moving said solids to said trough, comprising a movable conveyor assembly mounted within the tank and means for moving it, said assembly resting in part upon the floor of the tank about said liquid inlet member and in part upon the tank wall.

2,078,267

HIGH PRESSURE LUBRICATOR CONSTRUCTION

John C. Morrow, Chicago, Ill., assignor to Morrow Lubricator Company, Chicago, Ill., a corporation of Illinois

Application March 27, 1936, Serial No. 71,092
7 Claims. (Cl. 221—47.4)



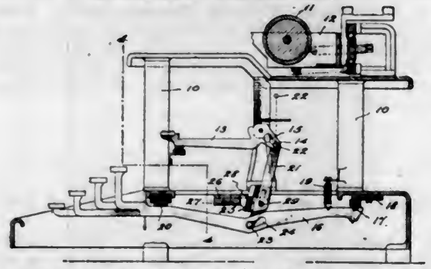
1. A piston valve construction including a stem having a frusto-conical portion near one end and having an extension beyond said portion, a cup-shaped piston on said stem and having a central aperture in its end for seating on said frusto-conical portion of the stem with the skirt portion of the piston extending along the stem towards its other end, the extremity of said extension being threaded, a nut threaded onto said extension's extremity to retain the piston on the stem, a spring between said nut and piston to urge said piston to seat on said frusto-conical portion of the stem, and said nut having an oil passageway to permit oil to escape from the aperture in the piston and past the nut when the piston is moved against said nut on the return stroke of the piston.

2,078,268

TYPEWRITER ACTION

Andrew F. Mulhare, Glenbrook, Conn.

Refiled for abandoned application Serial No. 581,149, August 11, 1922. This application July 7, 1934, Serial No. 734,098
15 Claims. (Cl. 197—27)



1. In a typewriter action, a pivoted type bar, a swinging connecting lever mounted between its ends, said lever having a pin and slot connection with the type bar and having a pin at its lower end, and a key lever fulcrumed behind said connecting lever and having a cam lying normally against said pin and adapted to swing the lower end of said connecting lever backward to approximately the vertical line through its pivot when the key lever is depressed whereby the variation in the effective leverage of the shorter arm of the connecting lever is minimized.

2,078,269

ARTIFICIAL LUMBER

James V. Nevin, Aberdeen, Wash.

No Drawing. Application April 3, 1934, Serial No. 718,873
3 Claims. (Cl. 92—21)

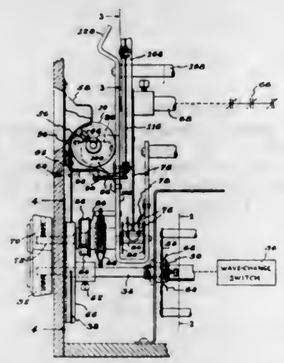
3. Artificial lumber comprising 70 to 95% fibrous wood, having the fibers thereof impregnated with and bonded together by from 5 to 30% of an infusible binder composed of the reaction product of urea, meta cresylic acid, formaldehyde and the natural binders present in the fibrous wood.

2,078,270

INDICATING AND CONTROL DEVICE

William E. Newman, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 30, 1935, Serial No. 19,125
1 Claim. (Cl. 116—124.1)



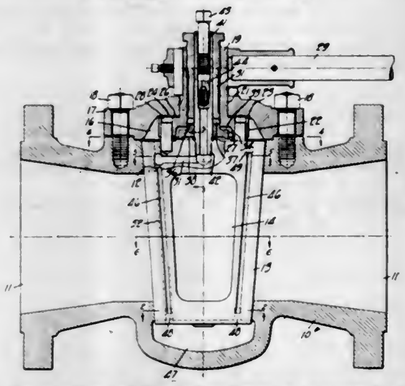
A tuning shaft, a tuning indicator in the form of a drum supported for rotation about an axis spaced from and normal to that of said tuning shaft and provided with a plurality of scales spaced circumferentially about its surface and parallel to said axis, a supporting plate having a guideway parallel to said axis, a tuning indicating pointer common with respect to said scales and slidably supported in said guideway for movement parallel to said axis and along the individual scales, means for rotating said drum to selectively place said scales in position adjacent to said pointer, a pulley on said tuning shaft, a cord about said pulley and having its ends fixed respectively to said pointer to move said pointer in said guideway in a direction determined by the direction of rotation of said shaft, and means including a driving shaft for rotating said tuning shaft, said driving shaft being located midway between the ends of said drum and on the side of said drum axis remote from said tuning shaft.

2,078,271

PLUG VALVE

Sven Johan Nordstrom, Piedmont, Calif., assignor to Merco Nordstrom Valve Company, San Francisco, Calif., a corporation of Delaware

Application November 28, 1931, Serial No. 577,732
8 Claims. (Cl. 251—93)



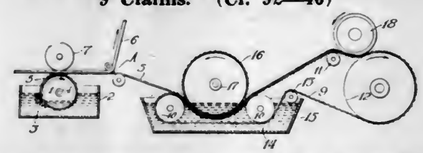
1. In a valve of the plug type, a casing having a passageway therethrough for flow of fluid and having a seat or bore formed transversely of the passageway, a plug disposed within said bore and having a hole adapted to register with the passageway for open position of the valve, a pressure lubricating system for said valve serving as means for effecting longitudinal jacking movement of the plug with respect to the casing and also serving to supply lubricant to the valve working surfaces, said system including a lubricant chamber formed at one end of the plug, said plug being formed with a port connecting said chamber with said hole, and a check valve serving to permit flow of fluid from said chamber through said port only when the pressure in said chamber is substantially in excess of the valve line pressure.

2,078,272

APPARATUS FOR MANUFACTURING SATURATED SHEETED FIBROUS STRUCTURES

Izador J. Novak, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey

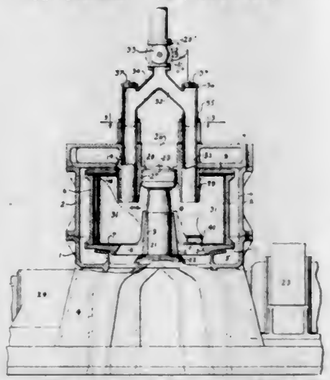
Original application December 27, 1932, Serial No. 648,921. Divided and this application May 21, 1934, Serial No. 726,683
9 Claims. (Cl. 92—40)



1. In combination with means for felting fibers in aqueous suspension into a relatively wet web, of means for saturating said wet web comprising synchronously moving foraminated surfaces, the upper of said surfaces consisting of a rotatably mounted screen roll and the lower of said surfaces consisting of an endless porous screen, means for passing said wet web into contact with, and confining said wet web between, the opposed faces of said foraminated surfaces, a bulk supply of saturant, means for passing said wet web while confined between said foraminated surfaces through said saturant, means beyond the bulk

supply for releasing said wet web from said confinement below the horizontal plane of the axis of said screen roll, means immediately adjacent said releasing means for condensing the web to remove excess liquid, a second condensing means remote from said first mentioned condensing means, for removing remaining excess saturant from the web, and means for leading the foraminated surface carrying said web from the first mentioned condensing means to the second mentioned condensing means.

2,078,273
CENTRIFUGAL MACHINE
Joseph S. Pecker, Philadelphia, Pa., assignor to American Centrifugal Corporation, New York, N. Y., a corporation of Delaware
Application January 30, 1935, Serial No. 4,164
59 Claims. (Cl. 210—63)



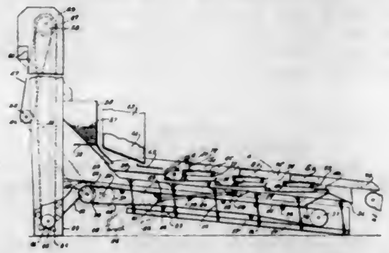
4. A centrifugal separating machine including a rotary centrifugal basket, a hollow vertical shaft extending into the basket for feeding material to be dewatered to the same, a swinging scraper located within the basket and carrier by the hollow shaft, and means for imparting rotative movement to the shaft for moving the scraper toward and from the side walls of the basket.

2,078,274
COMBINED TYPEWRITING AND COMPUTING MACHINE
Henry L. Pitman, Westfield, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application March 25, 1932, Serial No. 601,173
38 Claims. (Cl. 235—137)



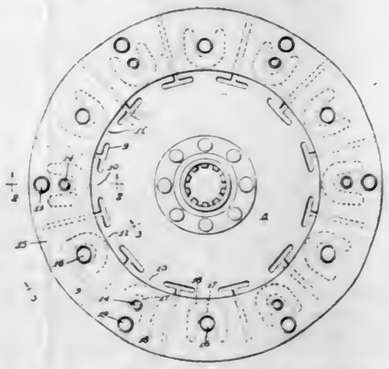
1. In a computing machine, a plurality of register-wheels, reciprocatable index bars to actuate the same, extents according to the number indexed therein, a general operator to actuate the bars, and having means actuable whereby an individual index bar is actuated an extra carrying step, and carry-over means, including a pivoted lever controlled by a wheel for interposal into the path of said actuable means on the general operator, to thereby cause said actuable means to be actuated to move an index bar one carrying step in addition to the steps indexed in said bar.

2,078,275
COAL CLEANING APPARATUS
Klaas Prins, Chicago, Ill.
Application February 6, 1933, Serial No. 655,323
9 Claims. (Cl. 209—479)



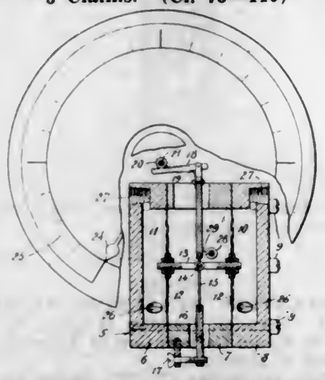
1. In apparatus of the class described, the combination of an inclined imperforate chute frame having baffle walls rising from its bottom to form pan sections, said sections containing dry flotation material, means for imparting combined longitudinal and vertical reciprocation to said frame whereby said partitions will tend to impel the flotation material downwardly along said chute frame, means for feeding flotation material to the first pan section and means for feeding coal to be cleaned to the first pan section above the flotation materials therein, a horizontally disposed skimmer structure above each pan section separate thereof and a distance rearwardly of the entrance end thereof and presenting a skimming edge to the travelling mass and for skimming and receiving clean coal from the top of the travelling mass, and means for adjusting said skimmer structures.

2,078,276
CLUTCH PLATE
Harold V. Reed, Chicago, Ill., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 8, 1934, Serial No. 747,262
8 Claims. (Cl. 192—107)



1. A clutch plate comprising, a disc adapted to be mounted upon a driven shaft, a pair of annular friction facings disposed one on each side of said disc, yielding means on the disc and engaging said facings yieldably to urge said facings, by bodily movement, away from the plane of said disc along the longitudinal axis thereof, and other means in direct engagement with said disc and said facings for limiting the bodily movement of said facings away from the plane of said disc.

2,078,277
DIFFERENTIAL PRESSURE GAUGE
Thomas H. Risk, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application November 27, 1934, Serial No. 754,949
3 Claims. (Cl. 73—110)



2. In an instrument for the measurement of differential pressures, a casing, and mounted therein two pressure responsive diaphragms dividing said casing into a low pressure chamber, a high pressure chamber, and therebetween a neutral chamber open to the atmosphere, each diaphragm being the sole pressure responsive member of the chamber of which it is a part, between said diaphragms and connected thereto a link member of fixed length adapted to be moved laterally by the differential movement of the diaphragms, a spring lever, means for fixing one end thereof, an operative connection between said spring lever and said diaphragm link member, whereby lateral movement of said link member causes proportional deflection of the free end of said spring lever, a rack bar pivotally connected to the free end of said spring lever, a pinion and pinion shaft adapted to contact with said rack and to be rotated by movement thereof, a spring acting between the spring lever and the rack bar to force said rack bar into operative contact with said pinion, a pointer affixed to the pinion shaft, and a dial over which said pointer may travel.

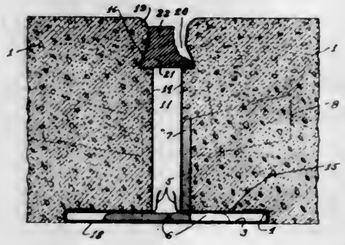
2,078,278
PROCESS OF PRODUCING TITANIUM DIOXIDE
Herbert L. Rhodes, Oakland, Calif., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 30, 1933, Serial No. 678,477
9 Claims. (Cl. 134—58)

6. The process of producing pigment titanium dioxide from crude titanium dioxide which comprises calcining the crude oxide with from 0.1 to 2.5% of an alkali earth titanate, in the absence of other diluting pigments.

2,078,279
PROCESS FOR MAKING TITANIUM DIOXIDE
Hartmut W. Richter, Rahway, N. J., assignor, by mesne assignments, to American Zirconium Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application April 13, 1934, Serial No. 720,437
5 Claims. (Cl. 23—202)

2. In a process for the preparation of titanium dioxide, the step which comprises hydrolyzing a titanium salt solution in the presence of a titanium oxide concentrate prepared by reacting a titanium bearing material with a caustic alkali, treating the reaction product with water and/or weak acid to remove substantially all of the alkali and drying the concentrate.

2,078,280
LOAD TRANSMISSION JOINT WITH RUBBER SEALING CAP
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago, Ill., a corporation of Illinois
Application October 5, 1934, Serial No. 746,976
7 Claims. (Cl. 94—18)



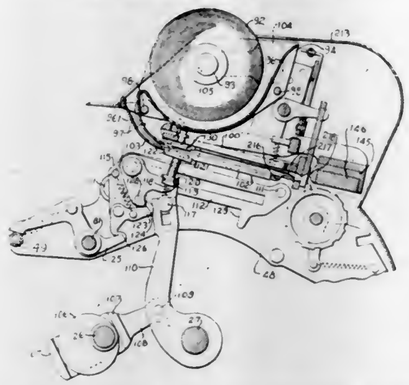
1. In road construction, a pair of spaced slabs of plastic material adapted to harden to provide a load carrying road, a pair of removable mold members entered between said pair of plastic slabs to shape opposing faces of said slabs for the defining of an expansion void between said plastic slabs, each of said mold members being provided with an enlarged and hemi-wedge-shaped portion to define a hemi-wedge-shaped recess in the opposing faces of the plastic slabs, and a strip of compressible and wedge-shaped material having its lower face supportedly seated on a formed face of each of said slabs and entered in the expansion void.

2,078,281
WALL STRUCTURE
Charles B. Rowley and Meade A. Spencer, Cleveland, Ohio
Application May 10, 1933, Serial No. 670,240
5 Claims. (Cl. 189—85)



1. In a wall structure, the combination of a core part; sheet metal panels forming the covering of the core part, the metallic panel sheets having edge portions thereof turned inwardly toward the core and the panels being arranged with intervening joint spaces between the edges of adjacent panels adapted to be filled with cement or the like; and fastening devices for the panels, each such fastening device being secured to the core and projecting into a joint space and comprising a flexible part disposed in said joint space and accessible from the outer side of the wall and bendable, on a line intersecting the core, into and out of locking engagement with the edge portion of a panel.

2,078,282
CASH REGISTER
Herman F. Sadgebury, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application September 25, 1926, Serial No. 137,664, now Patent No. 1,957,671, dated May 8, 1934. Divided and this application October 12, 1933, Serial No. 693,269
10 Claims. (Cl. 271—2.5)



1. In a machine of the class described, a frame, a normally inoperative paper gripping device carried thereby, means for moving said frame, and means for rendering the gripping device operative for paper feeding immediately upon movement of the frame.

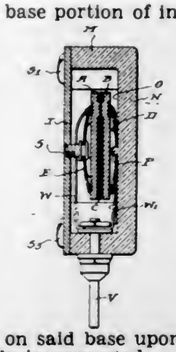
2,078,283
CORN PAD
William M. Scholl, Chicago, Ill.
Application April 17, 1933, Serial No. 666,462
2 Claims. (Cl. 128—153)



1. A corn pad to carry a medicament and having a lower face and an upper face, means to resist seepage of medicament and body perspiration from one face to the other face of said pad when said pad is subjected to pressure, heat and perspiration in use on the foot of a person, said means consisting of a plurality of layers of fabric made integral and resistant to moisture by a layer of a vulcanizing medium between said layers of fabric and vulcanized to said layers of fabric, said layers being apertured to provide a pocket, and a fabric cover secured to said layers to provide a closure member for said pocket, said cover being coated on its outer face with a thin coating of a moisture-resistant cellulose ester.

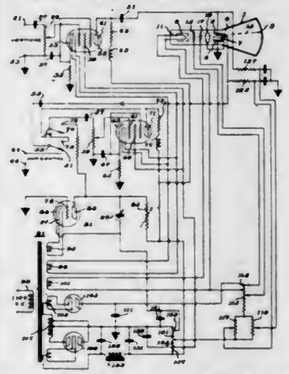
2,078,284
SELF-LEVELING MOUNTING FOR PIEZO-ELECTRIC ELEMENTS
Harold J. Schrader and Raphael F. Bov, Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 14, 1935, Serial No. 26,613
11 Claims. (Cl. 171—327)

1. In combination, a pair of electrode plates, a crystal interposed between said plates, a holder comprising a base portion of insulating material,



and a rocker on said base upon which said electrode assembly is supported.

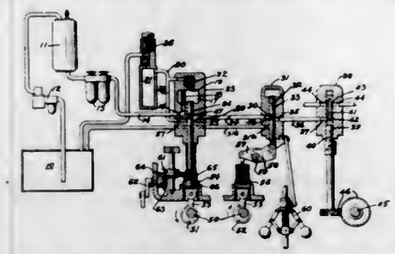
2,078,285
MODULATION MEASURING SYSTEM
Harold J. Schrader, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 27, 1935, Serial No. 42,519
3 Claims. (Cl. 179—171)



2. A system for determining the percentage of modulation of a high frequency current including means responsive to high frequency currents, means for amplifying said high frequency currents, means for detecting said high frequency currents, means for amplifying said detected currents, a cathode ray tube including cathode, vertical and horizontal deflecting means, a generator of impulses of saw tooth shape, means for impressing said impulses on one of said deflecting means, connections from the other of said deflecting means to said high frequency amplifying means, and a scale traversed by said cathode ray and arranged to indicate percentage modulation.

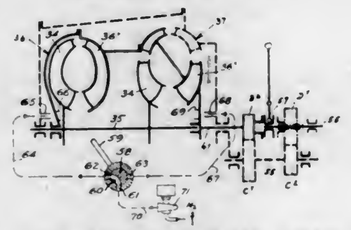
2,078,286
FUEL INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES
John Seagren, Alameda, Calif., assignor to Atlas Imperial Diesel Engine Company, Oakland, Calif., a corporation of Delaware
Application November 2, 1935, Serial No. 47,953
4 Claims. (Cl. 123—139)

1. In a fuel injection system for multi-cylinder internal combustion engines, an accumulator containing fuel under a predetermined injection pressure, an engine driven fuel distributor adapted to communicate with each cylinder of the engine in its proper firing order and in proper timed relation to the crankshaft operation, a fuel conducting connection between said distributor and said accumulator, a primary valve and a secondary valve interposed in said connection to control the passage of fuel from the accumulator to the distributor, said primary valve operating to open said connection and said secondary valve operating to close said connection, said secondary valve unobstructing the said fuel conducting connection at



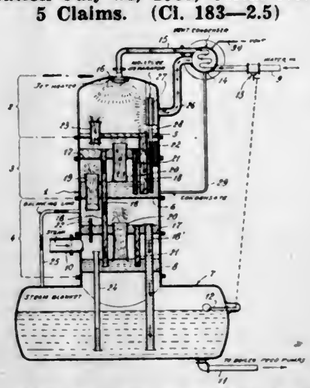
the time the primary valve operates to open it, and said primary valve unobstructing the said connection at the time said secondary valve operates to close said connection, said valves being engine operated in synchronism and in timed relation to the crankshaft operation, said distributor communicating with the proper cylinder prior to the opening of said connection and cutting off said communication subsequent to the closing of said connection.

2,078,287
VARIABLE SPEED TRANSMISSION AND TWO SPEED PLANETARY GEAR
Ernst Seibold, Heidenheim-on-the-Brenz, Germany, assignor to J. M. Voith, Heidenheim a. d. Brenz, a copartnership composed of Walther Voith, Hermann Voith, and Hanns Voith
Original application September 9, 1933, Serial No. 688,727. Divided and this application May 23, 1934, Serial No. 727,165. In Germany September 10, 1932
7 Claims. (Cl. 74—293)



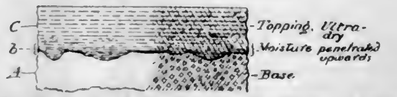
1. A hydro-dynamic variable speed power transmission having coupling and torque changer devices for circulating liquid, each provided with an impeller element and a turbine element, means for controlling the circulating liquid in said devices whereby to change the speed ratio thereof, primary and secondary shafts, the former connected with the impeller elements of the two devices and the latter connected with the turbine elements thereof and including first and second shaft parts, a mechanical gearing system interposed between the first and second shaft parts, said system including change speed gears adapted to drive the second part at a different speed from that at which the first part is driven by the hydraulic devices.

2,078,288
METHOD AND APPARATUS FOR HEATING AND DEAERATING BOILER FEED WATER
William T. Sherman, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 24, 1935, Serial No. 32,837
5 Claims. (Cl. 183—2.5)



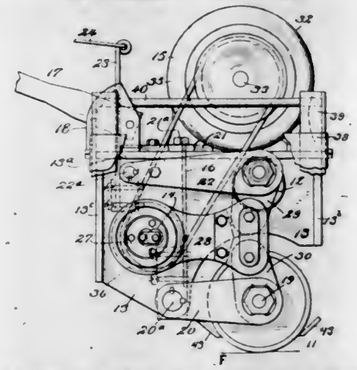
3. A process for deaerating heated boiler feed water comprising the steps of maintaining a body of heated water, passing steam in contact therewith at high velocity to disrupt the surface thereof and entrain therefrom a stream of water droplets, passing the combined stream of steam and water droplets through a region of turbulent flow, separating the steam and the water, and returning a portion of the separated water to the said body.

2,078,289
CEMENT FLOORING CONSTRUCTION METHOD AND APPARATUS
Francis P. Sloan, Scarsdale, N. Y.
Application January 11, 1933, Serial No. 651,169
13 Claims. (Cl. 94—22)



1. In the art of constructing cement flooring having a concrete base with a wear-resisting topping layer, the method which comprises the steps of (1) preparing the topping mix of hydraulic or Portland cement and aggregate in suitable proportions, and water, but restricting the water to a deficient proportion substantially below that proportion practically necessary for the subsequent smoothing step, (2) spreading such topping mix upon the preformed concrete base to the required thickness of layer and promptly, without delay for stiffening of mix, applying to the layer heavy compacting pressure thus densifying it and securing optimum bonding contact of its lower stratum with the base, but leaving its upper stratum yet insufficiently wet for the smoothing step, (3) and promptly then smoothing to a suitable finish the densified topping layer by surface rubbing action and in the same stage therewith distributing supplemental water upon its surface in restricted quantity sufficient to produce in its top stratum the degree of wetness and lubrication practically necessary for such smoothing; whereby said series of steps may be performed in prompt sequence, without need of delay for stiffening by evaporation or partial setting, and the topping is efficiently bonded to the base, is of high density and optimum structure, of suitable finish and free of excess wetness.

2,078,290
COMPACTING APPARATUS
Francis P. Sloan, Scarsdale, N. Y.
Application March 14, 1934, Serial No. 715,417
14 Claims. (Cl. 94—48)



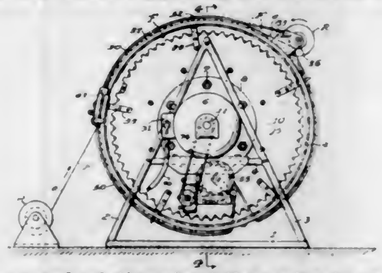
1. A machine for compacting relatively stiff unset concrete flooring, comprising a rolling cylindrical base resting continuously upon the flooring in rolling contact with the concrete, a frame supported by said rolling base, an inertia mass located above the rolling base and having means movably mounting it on said frame for up and down movements, a mechanical device interposed between the inertia mass and rolling base and operable for causing up and down movements of the inertia mass with reaction against the rolling base, and power means carried by the frame and having connections to said device for operating said device at high speed; thereby causing rapid successive downward thrusts upon the rolling base during continuous contact of the base upon the flooring, and its rolling travel thereover.

2,078,291
COMPOSITE NOVELTY FINISH
Carl R. Smedley, Bay Village, Ohio, assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 14, 1934, Serial No. 711,272
5 Claims. (Cl. 91—68)

3. The method of preparing a composite finish which comprises coating a surface with a base coat, allowing it to set, spraying thereon a coating, of the class consisting of rubber and synthetic high molecular weight resins which forces strings and/or blotches of material into the base coat, and drying the composite coating.

2,078,292
MACHINE FOR DRYING PHOTOGRAPHIC FILMS AND THE LIKE
John Wesley Smith, Chesnut Hill, Pa., assignor to Philadelphia Air Transport Company, Norristown, Pa., a corporation of Pennsylvania
Application June 28, 1935, Serial No. 28,788
3 Claims. (Cl. 34—48)

1. A machine of the character described comprising a generally cylindrical casing having a plurality of air nozzles arranged in circumferentially spaced relation about its periphery, a fan at the center of the casing adapted to draw air thereinto and expel it through said nozzles in generally radially directed jets of minimum dimension circumferentially of the casing and maximum dimension transversely thereof, means for driving the fan, and means for progressively moving the article to be dried about the periphery of the casing and supporting it in a defined path against pressure of said jets comprising a series of rollers, means supporting the rollers in annu-



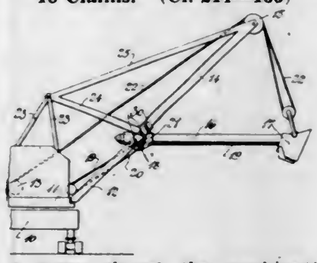
larly spaced relation about the casing in radially spaced relation thereto, means interconnected with the fan driving means for driving the rollers, and means for controlling the speed of the roller driving means independently of the speed of the fan.

2,078,293
KEY TAG
John T. Smith, Jr., and George A. Turner, Tallahassee, Fla.
Application April 24, 1936, Serial No. 76,272
3 Claims. (Cl. 40—2)



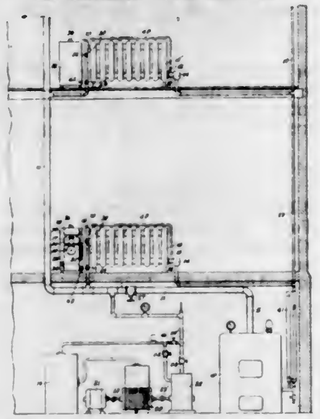
2. A key tag comprising complementary hinge leaves having a hinge pin connecting them together, a fork comprising a portion of one of the hinge leaves and having means by which to secure a key in place, a major part extending from the other hinge leaf, said part having sides turned up high enough to substantially confine the key when swung over upon said major part into position between said upturned sides, tie means, and means on the major part around which the tie means is applied preparatory to tying the key down in position against said major part.

2,078,294
EXCAVATOR
Carl E. Stiehl and Werner Lehman, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application November 29, 1935, Serial No. 52,211
18 Claims. (Cl. 214—138)



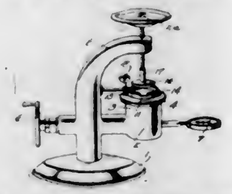
1. In a power shovel, the combination of: a base; an elevated structure thereon; a boom, pivoted at its foot to the base, and inclined upwardly therefrom; a hoist-winch; a strut, pivoted to the boom, selectively at any one of a plurality of distances from the boom foot; fixed length support means for the boom and the strut, extending from the elevated structure to substantially the juncture of the strut and the boom; fixed length support means for the strut, extending from the elevated structure to the upper end of the strut; a sheave, carried by the strut substantially at its upper end; a dipper-handle; a digging dipper, carried by the handle; a shipper-shaft, located substantially at the juncture of the strut and the boom; means for reciprocating the dipper handle; and a hoist-line, extending from the dipper and handle, over the sheave, to the winch.

2,078,295
PIPED AIR-CONDITIONING AND HEATING SYSTEM
Charles J. Thatcher, New York, N. Y.
Application March 21, 1936, Serial No. 70,019
18 Claims. (Cl. 257—8)



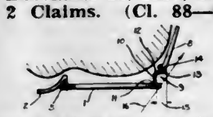
18. The method of using a radiator provided with channels adapted to hold steam or hot water, to cool, dehumidify and circulate room air, which includes impelling chilled air together with room air through the said channels to cool the mixture and to condense and deposit moisture therefrom, and discharging the conditioned air mixture into the room.

2,078,296
MEANS FOR TESTING COMPRESSION STRENGTH OF MATERIALS
Samuel Vadner, Crestwood, N. Y.
Application October 19, 1934, Serial No. 748,993
4 Claims. (Cl. 265—14)



4. In apparatus for testing the compression strength of corrugated paper board, a pair of compression plates adapted to clamp between them a piece of corrugated paper board, one of said plates being provided with a rim to prevent sidewise shifting of the layers of corrugated board, and the other of said plates being adapted to fit within said rim, a rubber diaphragm, means to press the diaphragm against one plate to move it toward the other plate to crush the material therebetween, and means indicating the pressure required to crush the material.

2,078,297
OPHTHALMIC MOUNTING
Joel C. Wells, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 12, 1934, Serial No. 757,148
2 Claims. (Cl. 88—53)



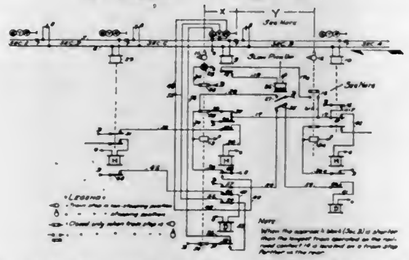
1. In a device of the character described for use in combination with a pair of lenses and means adapted to be associated with said lenses for supporting them in spaced relation with each other, lens holding members each having a part shaped to the shape of a portion of the outer temporal edge of each respective lens, a part secured to the rear of each of the lens holding members at points adjacent to but within the limits of the outer temporal edges of the lenses and extending rearwardly in a direction substantially normal to the plane of the lenses when viewed from the top and downwardly at an angle other than normal relative to the plane of the lenses when viewed from the sides, said rearwardly extending parts each terminating in an outwardly turned bent portion at points spaced a substantial distance in the rear of the plane of the lenses and each having a portion extending outwardly from said bends in a direction towards the temporal edges of the respective lenses and curving rearwardly to temple hinge connections and temples secured to said hinge connections, the upper and lower edges and said rearwardly extending parts and portions extending outwardly and curving rearwardly, and the upper and lower edges of the temples when in their positions of use as when on the face of the wearer, all lying substantially along straight lines, when viewed from the sides, intersecting the lens holding means adjacent the attachments of said rearwardly extending parts to said lens holding means.

2,078,298
BLASTING
Albert Greville White, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application May 22, 1934, Serial No. 726,967
In Great Britain June 8, 1933
7 Claims. (Cl. 102—5)



1. An explosive column comprising at least two cartridges of safety blasting explosive, said cartridges being separated by a coaxial, juxtaposed plug of cooling salts having a longitudinal channel therethrough adapted to hold a safety propagating explosive, said plug being enclosed in a common wrapper with at least one of the cartridges of said column, and containing in this longitudinal channel a core of safety explosive, whereby the propagation of the explosion wave throughout the column is assured.

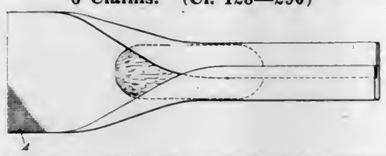
2,078,299
AUTOMATIC TRAIN STOP SYSTEM
Gilbert C. Whitney, New York, N. Y.
Application July 6, 1933, Serial No. 679,174
11 Claims. (Cl. 246—49)



1. In an automatic train control and associated block signal system, a wayside train stop having a tendency to assume its stopping position, a mechanism for operating said train stop from its stopping position to its non-stopping position, a circuit and a source of energy for operating said mechanism, said automatic block signal system controlled by a front contact on a track circuit relay, said block signal system at times controlling said mechanism to operate said train stop from its stopping position to its non-stopping position, and auxiliary means for controlling said mechanism to operate said train stop from its stopping position to its non-stopping position, said auxiliary means including time delay means controlled by a back contact on said track relay, said auxiliary means at times controlling said mechanism to operate said train stop from its stopping position to its non-stopping position to permit the movement of a train moving at less than any predetermined speed over any predetermined distance in the approach to said train stop.

2. The invention set forth in claim 1, with said auxiliary means controlled by a back contact on an adjacent track circuit relay in series, said train stop assuming the stopping position after said adjacent track circuit becomes unoccupied by said train.

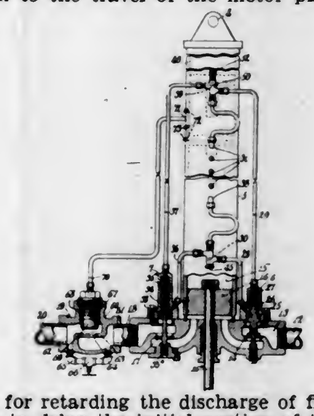
2,078,300
CATAMENIAL PAD
Harrison R. Williams, Glens Falls, N. Y.
Application February 8, 1928, Serial No. 252,721
6 Claims. (Cl. 128—290)



1. A catamenial pad comprising a multiplicity of sheets of loosely felted fibers, said pad being compressed at the ends thereof to form tapering ends, and being uncompressed intermediate the ends.

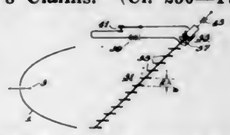
2,078,301
EXHAUST CONTROL FOR A PUMP OPERATING MOTOR
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application July 21, 1933, Serial No. 681,544
26 Claims. (Cl. 121—135)

1. In combination, a motor cylinder, a motor piston therein, admission and exhaust valve mechanism therefor having controlling means for effecting admission, cut-off, release, and reclosure of the exhaust mechanism, in definite relation to the travel of the motor piston, and



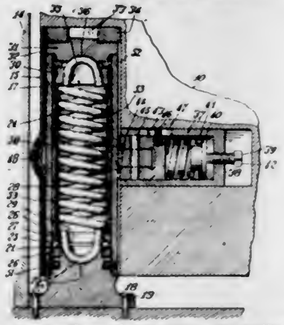
means for retarding the discharge of fluid after release to delay the initial portion of the travel of the motor piston in one direction, said means having provision for varying the period of delay.

2,078,302
MODULATING SYSTEM FOR SHORT WAVES
Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1933, Serial No. 687,599
8 Claims. (Cl. 250—17)



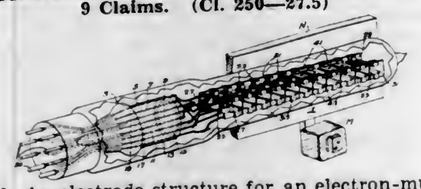
1. Electrical apparatus comprising means for generating and transmitting a beam of energy at a radio frequency, and means positioned at an angle with respect to said beam for absorbing said beam a variable amount in accordance with a signal.

2,078,303
DOOR HINGE
Emil A. Zetmeir, Topeka, Kans.
Application October 13, 1934, Serial No. 748,175
3 Claims. (Cl. 16—185)



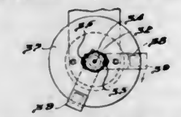
1. A hinge of the character described comprising a supporting member adapted to be secured to the floor and provided with an upstanding spring-end holding portion; a coil spring vertically disposed with its lower end associated with said holding portion of the supporting member, a member immovably secured to the door at the upper end of the spring and adapted to receive the upper end of the spring; a tubular casing disposed about the spring intermediate of the two members and secured at its upper end to the last mentioned member so as to move therewith while its lower end has rotative bearing relation on said supporting member, whereby the door is rotatably supported in place, and a casing adapted to fit about the tubular casing, the second mentioned member, the upper end of said supporting member and to lap the opposite sides of the door and be immovably secured thereto, whereby the door is held against lateral displacement.

2,078,304
ELECTRIC DISCHARGE DEVICE
Vladimir K. Zworykin, Philadelphia, Pa., and Ernest A. Massa, Jr., Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application October 30, 1935, Serial No. 48,982
9 Claims. (Cl. 250—27.5)



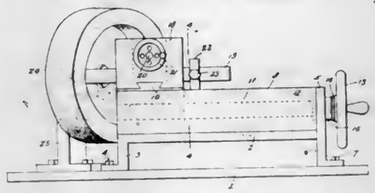
1. An electrode structure for an electron-multiplier constituted by a pair of elongated insulating members disposed in parallelism and constituting a pair of opposed electron-confining walls, a plurality of electrodes supported by said members, the faces of the said electrodes lying in parallel spaced apart planes, the said electrodes being spaced apart from each other in the direction of extension of the insulating members, and a plurality of individual resistor elements supported by said insulating members and interconnecting certain of said electrodes for establishing a potential gradient therebetween.

2,078,305
AUTOMATIC OIL BURNER CONTROL
Philip S. Arnold, Flint, Mich.
Application May 14, 1936, Serial No. 79,636
6 Claims. (Cl. 236—79)



1. In an automatic oil burner control, a cylinder, a piston slidably mounted therein, an air supply conduit opening into the bottom of the cylinder, the arrangement allowing the piston to move upwardly in the cylinder under air pressure, a rack connected to the piston, a weight secured to the rack and tending to move the piston toward the bottom of the cylinder, a pinion meshing with the rack, a governor operated by rotation of the pinion to control movement of the piston, a vent valve arranged to allow escape of air from the bottom of the cylinder when opened, a trip mechanism arranged to normally hold the vent valve in the closed position, a thermostat, a cam connected to the thermostat and turnable thereby, the cam in one position preventing tripping of the trip mechanism and when in the other position allowing the trip mechanism to be tripped by the piston on reaching the upper end of the cylinder, the upper end of the cylinder and the piston being each provided with a vent aperture, a ball arranged to close said piston aperture, the ball being supported on its seat by air pressure in the cylinder, said ball being arranged to drop from its seat upon reduction of air pressure in the cylinder beyond a predetermined point, means for re-seating the ball as the piston reaches the bottom of the cylinder, an ignition switch, a pawl for operating the switch, the pawl riding in engagement with the side of the rack and arranged upon upward movement of the rack to close the ignition switch, said pawl being turnable out of operating position by downward movement of the rack.

2,078,306
DRILL SHARPENER
Roderick O. Baalmann, St. Louis, Mo.
Application December 26, 1935, Serial No. 56,288
2 Claims. (Cl. 51—219)

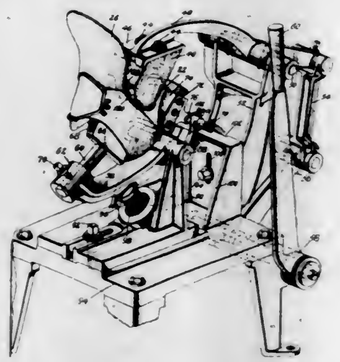


1. In a drill grinding and sharpening device of the class described, a frame including a base having a horizontally elongated channel-shaped guideway including spaced parallel upstanding adapter and guide plates of uniform height, a tool holding and adjusting vise including a body portion slidably mounted in the guideway between said plates, and having a pair of companion adjustably connected jaws disposed on a plane above the upper edges of said guideway, scale equipped vise adjusting means operatively connected with said guideway, a tool clamped between said jaws and disposed on a plane above the upper edges of said guide plates, the inner shank portion of the tool extending inwardly beyond the vise, and a handle forming and gauge lever detachably connected to said shank and extending at right angles thereto and adapted to rest alternately on the upper edges of said guide plates, said lever being swingable through an arc of approximately 180 degrees, whereby to permit the drill to be bodily turned in said jaws to accurately grind both faces of the penetrating end thereof in the manner described.

2,078,307
MACHINE FOR COVERING HEELS
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 9, 1934, Serial No. 724,673
15 Claims. (Cl 12—42)

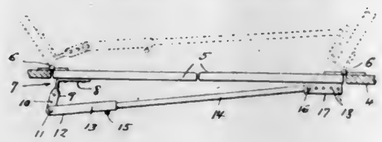
1. A covering machine having, in combination, a support for a shoe, a resilient pad, and means for moving the pad into contact with a portion of a heel-breast covering flap which overlies the projecting portion of the breast of a heel attached to the shoe thereby to apply a portion of the flap to the projecting portion of the breast of the heel, said support being constructed and arranged

yieldingly to move relatively to the pad under pressure of the pad against the shoe in order to



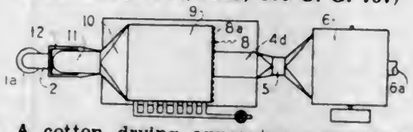
cause the flap to be applied to the remaining portion of the breast of the heel.

2,078,308
DOOR LINKING MEANS
Casper Behle, Terre Haute, Ind.
Application July 28, 1936, Serial No. 93,095
1 Claim. (Cl. 268—62)



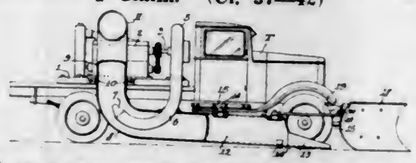
In a structure of the class described, a stationary support, a pair of complemental doors hingedly attached thereto, a substantially L-shaped bracket formed of strap metal, one arm of the strap being riveted to one door adjacent the hinge means on said door to dispose the opposite arm of the bracket upwardly of the said door in a plane perpendicular to the plane of the door, said opposite arm being twisted laterally into a horizontal position and formed with a series of pivot-accommodating holes, a socket member including a bifurcated end portion straddling said upwardly disposed arm of the bracket and being pivotally and adjustably connected thereto, the pivot-accommodating holes of the socket straddled arm being progressively distant from the axis of the door hinge to accommodate the pivot of the socket member at various distances from the door hinge in a plane substantially perpendicular to the plane of the door, a substantially channel shaped bracket secured at a corresponding point on the remaining door and extending horizontally on and close up against said door, a rod pivotally attached between the flanges of said channel shaped bracket, said flanges having spaced pairs of vertically aligned openings to selectively accommodate the pivot of the said rod at various distances from the door hinge in a plane parallel to the plane of the door and the opposite end of the rod being telescopically fitted in said socket member, and said socket member being provided with a set screw to adjustably connect it with the adjacent end of the rod.

2,078,309
APPARATUS FOR DRYING SEED COTTON
Charles Abel Bennett, Stoneville, Miss.; dedicated to the free use of the People of the United States
Application November 6, 1936, Serial No. 109,505
2 Claims. (Cl. 19—74)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A cotton drying apparatus comprising an airline cleaner, a cylindrical mixing chamber on the inlet side of and running into said cleaner, said mixing chamber having a lateral hot air inlet and a concentric cold air and cotton inlet, said cold air and cotton inlet being of smaller diameter than said mixing chamber and projecting into said mixing chamber, means for pneumatically conveying cotton through said cold air and cotton inlet, mixing chamber and airline cleaner, means for introducing heated air to said hot air inlet, means for agitating the cotton in the resulting mixture of heated and cold air; and means for the continuous passage of dried cotton and warm air from said cleaner to the mechanical separator of a seed-cotton handling system.

2,078,310
SNOW REMOVING ATTACHMENT FOR TRUCKS
John J. Berres, Two Rivers, Wis.
Application March 25, 1936, Serial No. 70,878
1 Claim. (Cl. 37—42)

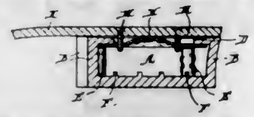


A snow removing attachment for a motor truck or the like including a base adapted to be supported and secured on a truck body, a motor carried by the base, a blower on the base receiving motion from the motor, a conduit extending upwardly across one side of the base and having a forwardly extending inlet below the level of the base and a laterally extended outlet above the level of the base, a nozzle within the inlet portion of the conduit and positioned to direct a jet of air toward the outlet end of the conduit, a pipe connection between the nozzle and the outlet of the blower, means overlying the inlet portion of the conduit for connecting the same to one side of a truck, a scraper obliquely disposed beyond one side of the inlet portion of the conduit for directing scraped snow into the path of the conduit, a shovel at the inlet end of the conduit, a connection between the scraper and said inlet portion of the conduit, and means for attaching the scraper to the front end of a truck.

2,078,311
CUSHION RUBBER HEEL
Robert Hamilton Boag, Otahuhu, New Zealand
Application January 6, 1936, Serial No. 57,860
2 Claims. (Cl. 36—36)

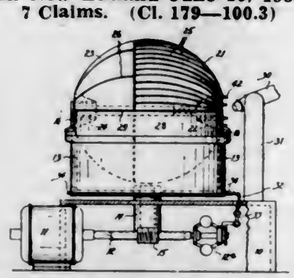
1. A rubber cushion heel for boots and shoes of the type in which the heel is formed with an air

cavity opening through its top, characterized by the formation of the side walls of the heel, upon their internal surfaces, with a number of vertical buttress pillars extending through their height, and the formation of the top of the heel with a rim edge overhanging the cavity all round, and



the combination therewith of a metal plate shaped to extend across the cavity top and to fit with its edges in between the overhanging rim edge and the buttress pillar tops, and which metal plate is also shaped as to its central portion of concavo-convex formation, substantially as and for the purposes specified.

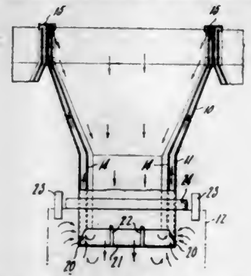
2,078,312
TELEPHONIC TIME ANNOUNCER
Robert Brennan, Auckland, New Zealand
Application June 9, 1936, Serial No. 84,356
In New Zealand June 10, 1935
7 Claims. (Cl. 179—100.3)



1. Automatic time announcing means comprising the combination with sound reproducing apparatus embodying a light beam projector and photoelectric cell arranged in working cooperation upon a stationary base, of a carrying frame mounted on such base to rotate thereon upon a vertical axis and having means for rotating it at a constant rate of speed, a pair of approximately hemispherically formed bodies mounted on a horizontal axis supported in such frame, in spherical relationship one with the other and each capable of independent rotation on such axis, each of which bodies has attached to its outside surface a series of ordinary sound reproducing film strips disposed thereon to radiate from its axis pole to its vertical circumference at equal distances apart, means for imparting rotary movements to one of such bodies through one sixtieth of a full rotation at intervals of one minute of time and means for imparting similar movements to the other body through one twelfth of a full rotation at intervals of one hour of time, the said bodies being so disposed in relation to the said sound reproducing apparatus that the strips thereon for the time being in alignment upon one side of their axis of rotation will in the rotary movement of the carrying frame pass across the reproducer apparatus in reproducing focal relationship therewith.

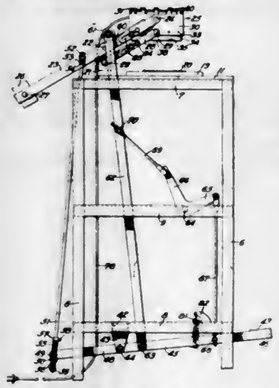
2,078,313
BAG FILLING MACHINE
Howland F. Briggs, Buffalo, N. Y., assignor to Bagpak, Inc., New York, N. Y., a corporation of Delaware
Application December 17, 1934, Serial No. 757,761
3 Claims. (Cl. 226—58)

1. A filling spout for a bag filling machine suitable for filling open mouth bags comprising, an outer wall, an inner wall within said outer wall forming a vent at each side of the spout to allow the escape of trapped air from the bag, and means associated therewith to return any escap-



ing dust back into the bag, said outer wall being formed in a flattened, ovular shape and said inner wall forming a smaller, flattened oval, the front and back walls of said spout being cut away so as to provide projecting tips at the sides of the spout.

2,078,314
WRAPPING MACHINE
Frederick C. Busche, Oakland, Calif.
Application August 5, 1935, Serial No. 34,820
11 Claims. (Cl. 93—2)

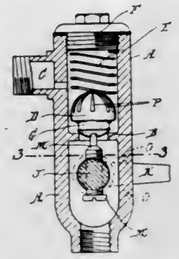


1. A packaging machine for applying and sealing an envelope about an object comprising a frame, a die for supporting an object to be wrapped and sheets of wrapping material thereon, secured on said frame, an arm pivotally mounted on said frame, a sealing head mounted on said arm and positioned adjacent said die, a treadle pivotally mounted on said frame, means for resiliently connecting said arm and treadle for movement together to move said sealing head into contact with said die, and means movable longitudinally of said arm for pressing said sealing head and die together.

2,078,315
AUTOMATIC CONTROL VALVE
Harry Coltman, Nelson, New Zealand
Application November 11, 1935, Serial No. 49,281
In New Zealand December 6, 1934
7 Claims. (Cl. 137—104)

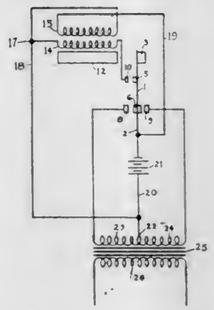
7. A valve comprising a valve casing having an inlet at one end and an outlet at the other end, a partition between said ends having an opening therein surrounded by a valve seat, a ball ar-

ranged on said seat to close said opening, said ball having an annular groove extending about the same, the lower edge of said groove lying in a plane parallel to the valve seat when said opening is closed by the ball and having a diameter slightly greater than the opening in the valve seat closed by the ball, the upper edge of said groove lying in a plane parallel to the valve seat when said opening is closed and in the same



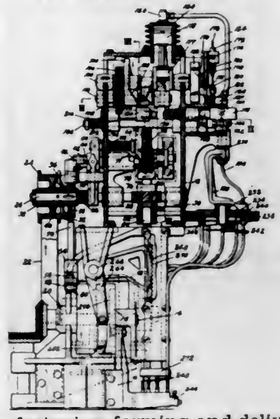
semi-spherical portion of the ball as the lower edge of said groove, means for sliding said ball on the seat about its axis lying in a plane parallel to the valve seat to bring a portion of said groove into communication with the opening in the valve seat to provide a flow path through said groove into the opening in the valve seat, and means for resiliently maintaining said ball on its seat in all positions of adjustment.

2,078,316
VIBRATOR
Henry M. Dressel, Oak Park, Ill., assignor to Oak Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 25, 1935, Serial No. 32,989
4 Claims. (Cl. 175—373)



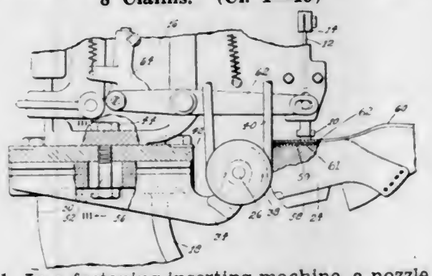
1. A vibrator comprising a magnetizing member having an active pole face, a reed rigidly supported at one end having an armature at the other end and adapted to vibrate in front of said pole face, a driving contact mounted on said reed, a stationary contact cooperating with said driving contact in the attracted position thereof, a pair of magnetizing windings for said magnetic structure, a connection from said stationary contact to one terminal of one coil, a connection from one terminal of the other coil to said reed, said reed constituting one terminal of the vibrator, and a connection between the other ends of said two coils, said connection constituting the other terminal of said vibrator, said coils being so wound as to have equal and opposite magnetizing effects.

2,078,317
FASTENING FORMING AND DELIVERING MECHANISM
Fred C. Eastman, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 27, 1934, Serial No. 737,180
36 Claims. (Cl. 1—27)



1. In a fastening forming and delivering mechanism, a clamping block provided with a plurality of fastening receiving passages, a member arranged for intermittent rotation to deliver successive fastenings to the passages in said block, means for severing the fastenings from a length of fastening material and for transferring the severed fastenings to the delivering means, and means connected to said delivering means for compressing a fluid to cause movement of the fastenings from the fastening severing and transferring means to successive passages in said block.

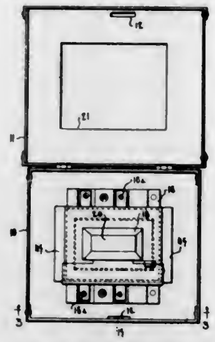
2,078,318
WORK SUPPORTING MECHANISM
Joseph Thomas Fagan, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 5, 1935, Serial No. 25,103
8 Claims. (Cl. 1—19)



1. In a fastening inserting machine, a nozzle, a driver for inserting fastenings into a work piece, and a power-driven rotatable member arranged to engage the work to locate the work relatively to the driver and to force the work against the nozzle during the fastening inserting operation.

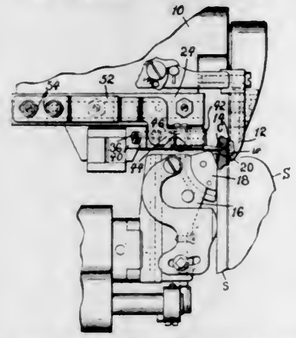
2,078,319
SWITCHING DEVICE
Harrison J. L. Frank, Detroit, Mich.
Application March 16, 1935, Serial No. 11,431
2 Claims. (Cl. 200—114)

1. A switching device comprising a casing having a cover provided with an opening, a switching head constructed to be movable through said opening for switching action, and means having lugs thereon for engaging with the underside of the cover, when the means is in one position relative thereto, to limit withdrawal of the means, the cover opening having portions through which the lugs of the means may clear,



when the means is in another position with respect to the cover, whereby free withdrawal of the means may be had, the means being so constructed that it can be adjustably mounted on the switching head whereby it may have a plurality of positions with respect thereto, and also being completely removable from the switching head.

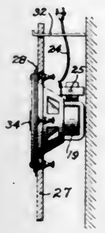
2,078,320
CUTTING MACHINE
James P. Fredericksen, Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 28, 1934, Serial No. 745,971
24 Claims. (Cl. 12—18)



1. In a cutting machine, cutting means, and means made effective by contact of the cutting means with the work for moving said cutting means to feed the work during the cutting operation.

2,078,321
LOUDSPEAKER MOUNTING
Frank Freimann and John L. Friesner, Fort Wayne, Ind., assignors to Electro-Acoustic Products Company, Fort Wayne, Ind., a corporation of Illinois
Application May 22, 1935, Serial No. 22,887
6 Claims. (Cl. 179—146)

1. In a demountable support for a sound reproducing loud speaker, the combination of a sound baffle forming member having an aperture therethrough, a ring outlining the aperture in said baffle forming member having an inwardly projecting flange with a plurality of keyhole slots therein, a loud speaker disposed within said aperture with its sound propagating end in substantial alignment with said baffle forming member, an



outwardly extending flange about the periphery of said loud speaker adapted to engage the front of said baffle forming member, and a plurality of yieldingly supported button-like members upon said loud speaker adapted to interlock with the keyhole slots in said ring to secure said loud speaker firmly in cooperating relation with said baffle forming member.

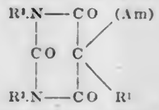
2,078,322
OIL WELL PUMP
George A. Gage, Tulsa, Okla.
Application December 26, 1935, Serial No. 56,209
9 Claims. (Cl. 103—10)



1. A reciprocating plunger oil well pump, including a working barrel forming a closure with an inlet valve thereto and an outlet valve therefrom and with said working barrel having therein two cylindrical bores of different diameters, a plunger operable in one of said bores, a second plunger operable in the other of said bores, and rotatable connecting and disconnecting means between the two plungers aforesaid, and means connected with one of said plungers for operating said last named means in the usual course and customary use of said pump.

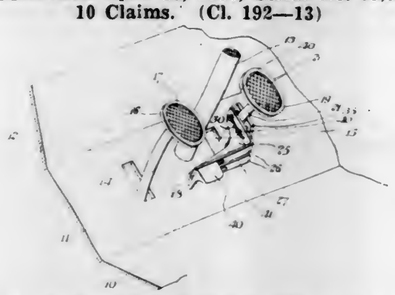
2,078,323
C-AMINO-SUBSTITUTED BARBITURIC ACID DERIVATIVES AND PROCESS FOR MAKING SAME
Rudolf Gebauer, Dresden, Germany, assignor to Chemische Fabrik von Heyden, A. G., Radebuel, near Dresden, Germany, a corporation of Germany
No Drawing. Application January 6, 1934, Serial No. 705,569. In Germany January 6, 1933
11 Claims. (Cl. 260—33)

6. Barbituric acids of the general formula



wherein R^1 represents an alkyl group, R^2 and R^3 are radicals taken from the class consisting of the alkyl groups and hydrogen, and (Am) is the radical of an amine selected from the alkylamines, anilines, aminophenol alkylethers and piperidines.

2,078,324
PEDAL ATTACHMENT
Warren P. Griffiths, Trenton, N. J.
Application April 18, 1936, Serial No. 75,063
10 Claims. (Cl. 192—13)



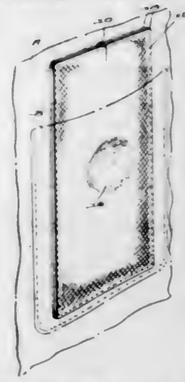
1. An attachment for pedals comprising a body member, said body member having end face portions and side face portions and a rib connecting said face portions, clamping means mounted on said end face portions and secured thereto for gripping a pedal lever between said end face portions and said clamping means, a foot contact member adapted to be disposed adjacent another pedal for actuation therewith and means for mounting said contact member for adjustment along said body member.

2,078,325
KEY HOLDER
Elwyn R. Hallock, Burlington, Vt.
Application October 17, 1935, Serial No. 45,427
5 Claims. (Cl. 224—28)



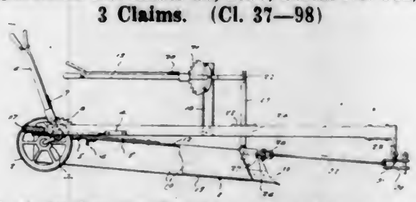
1. A key holder, comprising a strap having cooperative fastening means at its opposite ends, a key connected at one end with said strap so that it may swing to and from a position parallel with said strap, and a loop member slidably mounted on the strap and movable to and from a position of engagement with the free end of the key in a position of the latter lengthwise of the strap, to thereby hold the key in said position when the latter is being carried.

2,078,326
LIQUID PROJECTING DEVICE
Charles E. Howett, Lancaster, Pa.
Application December 4, 1935, Serial No. 52,909
4 Claims. (Cl. 299—90)



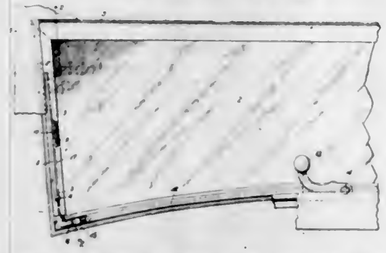
4. A liquid projecting device for portable use by itself as a simulation of a wallet or for use in association with some currency bills in simulation of an "unloaded" package of currency, said device comprising a liquid container having end walls and opposed arcuate thin stiffly resilient side walls, one of said end walls being formed with a discharge passage normally out of communication with the interior of said container, and means operable by the deformation of one of said side walls for establishing such communication, said container being long and wide in outline and of thin elliptical shape in cross-section, in combination with a relatively thick strong metal blow and pressure resistant casing snugly enclosing said container from end to end and being formed with an opening through which pressure may be intentionally applied to said side wall of said container to deform the same.

2,078,327
DITCHER
James Kinghorn, Youngstown, N. Y.
Application November 20, 1936, Serial No. 111,929
3 Claims. (Cl. 37—98)



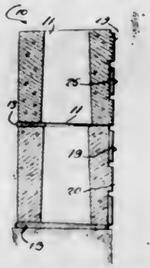
1. A ditcher comprising a crank axle, supporting wheels journalled on said crank axle, a substantially V-shaped plow including rearwardly diverging mold boards, said mold boards comprising inwardly extending upper flanges and outwardly extending lower flanges, a frame structure for mounting the plow on the crank axle, said frame structure comprising crossed longitudinal and transverse members rigidly secured, at one end, to the upper flanges of the mold boards, the longitudinal members being journalled on the crank axle, a platform extending transversely between the rear end portions of said longitudinal members, and a lever fixed on the crank axle and operable from the platform for actuating said crank axle for raising and lowering the rear end of the plow.

2,078,328
WINDSHIELD FOR AUTOMOBILES
Edward L. Kraft, York, Pa., assignor, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa., a corporation
Application September 2, 1931, Serial No. 560,812
Renewed September 19, 1936
1 Claim. (Cl. 296—84)



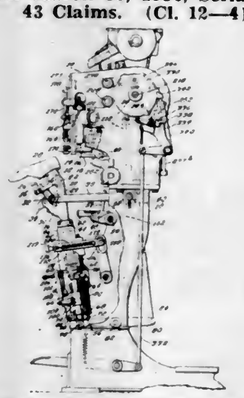
In combination, a windshield frame, a windshield swingingly mounted therein, a bracing arm pivoted at one end to the windshield frame and slidably associated at its other end with the movable shield, a locking lever provided by the bracing arm and pivoted thereto and having a cylindrical portion, a locking tube surrounding said cylindrical portion and rotative with respect thereto, interlocking connections between the locking tube and lever for restraining relative movement when desired, a handle associated with the windshield and rods actuated thereby, cooperating cams provided by the locking tube and the rods respectively whereby longitudinal movement of the rods caused by the actuation of the handle rocks the locking tube into a position for engaging the said interlocking connections between the lever and tube.

2,078,329
BUILDING WALL
Albert F. La Spina, Flushing N. Y.
Application April 12, 1935, Serial No. 16,094
2 Claims. (Cl. 72—37)



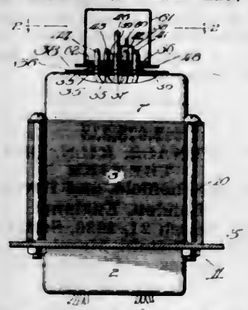
1. A wall comprising building blocks, each of which has the top and bottom faces thereof tapering slightly from front to rear of the wall, said blocks being laid with the horizontal front edges in direct contact with corresponding edges of the vertically adjacent blocks, said tapering faces diverging towards the rear, forming wedge-shaped mortar spaces and mortar therein extending rearwardly from the front contacting edges of the blocks, the tapering faces of the blocks causing the mortar binder to be moved rearwardly away from the front faces when plumbing the wall with the mortar binder gradually increasing in depth rearwardly of the front face of the wall.

2,078,330
ASSEMBLING MACHINE
Robert H. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 30, 1936, Serial No. 71,671
43 Claims. (Cl. 12—4)



1. In a shoe making machine, instrumentalities for operating on a shoe, a jack movable from an inoperative position, convenient for the placing of a shoe thereon, to an operative position in suitable relation to said instrumentalities, driving mechanism, and a manually-controlled clutch in control thereof, constructed and arranged, when tripped, to move the jack from inoperative to operative position, and then to stop the machine, whereby the operator is afforded an opportunity properly to arrange a shoe on the jack in relation to the said instrumentalities.

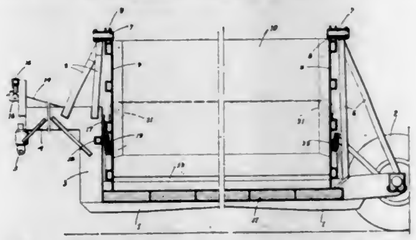
2,078,331
TRANSFORMER
Wilmer J. Leidy, Chicago, Ill., assignor to Chicago Transformer Corporation, Chicago, Ill., a corporation of Illinois
Application August 28, 1936, Serial No. 98,289
1 Claim. (Cl. 171—119)



A transformer comprising a stack of laminations and a plurality of windings, each winding having at least two terminal leads and at least one winding having a plurality of intermediate tap leads, an insulating disk carried by said transformer, a plurality of pins carried by said disk and arranged on the circumference of a circle, means for connecting said tap leads and one terminal of said one winding to said pins, a pin carried by said disk at the center of said circle, a lead connected to said central pin and constituting a terminal connector for said one winding, a second disk having apertures therethrough registering with all

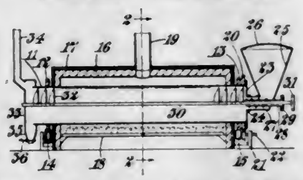
the pins on said first disk, a connecting member disposed in the center aperture and in one of the circularly disposed apertures of said second disk, said second disk being adapted to be telescoped down over the pins of said first disk with the connecting members of said second disk connecting the central pin and one other pin, a cap carried by said second disk and clearing all pins and forming a protecting cover thereover, said central pin being longer than the remaining pins whereby said second disk may be pulled up by holding said cap and rotated to provide a connection between the central pin and any one of the other pins.

2,078,332
EARTH CARRYING VEHICLE
Robert G. Le Tourneau, Stockton, Calif., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application February 24, 1936, Serial No. 65,243
2 Claims. (Cl. 298—27)



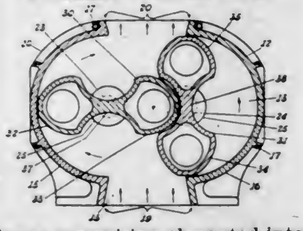
1. An earth carrying dump vehicle comprising a bed, a mainly bottomless body mounted on the bed, means supporting the body for swinging movement in a vertical plane transversely of the bed and means to swing the body in one direction which includes sheaves fixed with the bed beyond the ends of the body and laterally offset from the central plane of the body on that side toward which the body is to be swung, sheaves mounted on the ends of the body adjacent the opposite side of the same, direction changing pulleys mounted on said side of the body, and a pull cable extending first about the sheaves at one end of the body, then along said opposite side of the body about said direction changing pulleys, and then over the sheaves at the other end of the body to an anchorage on the body between the adjacent sheaves.

2,078,333
ROTARY FURNACE, KILN, DRYER, AND THE LIKE
Frederic Lloyd, Sheffield, and Herman Lindars, London, England
Application March 21, 1936, Serial No. 70,156
In Great Britain March 28, 1935
6 Claims. (Cl. 202—136)



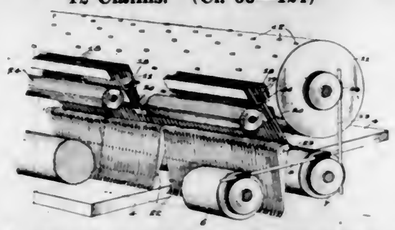
1. Apparatus for the heat treatment of materials which comprises an externally heated cylindrical retort rotatable upon its axis, a central shaft passing through said retort and rotatable independently thereof, a series of blades secured to said central shaft, each blade occupying only a part of the cross section of the retort and forming a working fit with that portion of the wall of the retort adjacent thereto and the blades being set at an angle to the shaft and on the same side thereof and spaced apart along the shaft so that the path of one blade on the internal surface of the retort overlaps the path of adjacent blades.

2,078,334
BLOWER
Joseph A. Martocello, Philadelphia, Pa.
Application March 28, 1935, Serial No. 13,464
2 Claims. (Cl. 230—143)



1. A blower comprising elongated intermeshing impellers, end casing members in which the impellers are rotatably mounted, side casing members secured between said end members and positioned in parallel relation relatively to the length of the impellers, and said side members arranged in spaced relation to each other and having inclined walls forming inlet and outlet passageways, co-extensive in width with the distance between the center lines of the impellers and co-extensive in length with the length of the impellers, said inlet and outlet passageways being substantially unrestricted and said outlet passageway discharging directly to the atmosphere.

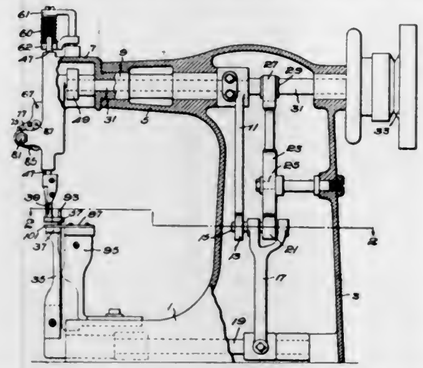
2,078,335
MACHINE FOR SCALING LUMBER
William Frederick McCabe, Boston, Mass.
Application April 14, 1936, Serial No. 74,382
12 Claims. (Cl. 33—124)



1. A lumber scaling machine comprising rolling means adapted to be contacted by a piece of lumber passing through a machine and thereby actuated by the lumber, a trip device operatively connected with and actuated by the rolling means, a tabulating element, means including elements elevated by the lumber as it passes through the machine, and a movable member carried by the last-mentioned means and adapted to be actuated by the trip device for moving said tabulating element.

2,078,336
MACHINE FOR CUTTING SHEET MATERIAL
Frank W. Merrick, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 19, 1933, Serial No. 694,246
20 Claims. (Cl. 164—88)

1. In a machine for use of the character described, a part mounted for work feeding movement, a knife mounted thereon for cutting movement relative thereto, a platen for said knife mounted for work feeding movement, a presser foot cooperating with said platen mounted for work holding movement and work feeding move-



ment, and means for moving said knife and presser foot for causing the former to penetrate the work and the latter to hold the work against said platen, and while said knife is in the work, moving said part, platen and presser foot in work feeding direction for feeding the work.

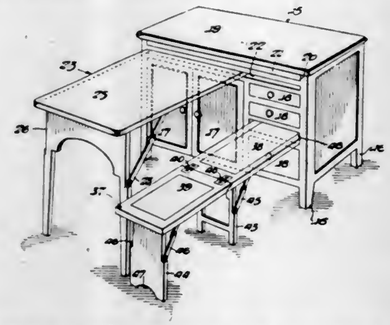
2,078,337
ARTICLE OF MANUFACTURE, FOR EXAMPLE INSOLES
Frank W. Merrick, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 30, 1934, Serial No. 733,182
11 Claims. (Cl. 36—22)



1. An article of manufacture comprising a sheet having projecting therefrom a relatively thin strip, an edge of which latter lies against said sheet, and a line of stitching, the stitches of which extend through said sheet and from edge to edge through said strip for securing the latter to said sheet.

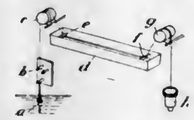
2,078,338
SEAT STRUCTURE FOR KITCHEN CABINETS
Ninian R. Moore, Du Bois, Pa.
Original application August 11, 1931, Serial No. 556,446. Divided and this application April 12, 1934, Serial No. 720,308
1 Claim. (Cl. 155—123)

A cabinet provided with an additional compartment opening out to the front, and a seat structure slidably mounted and normally contained within said compartment, said structure comprising a pair of sections hingedly connected at their ends and disposable selectively in end to end relation as continuations of each other or in superposed relation, each section having a recess in its underside, a hinged leg structure at the outer end of each section disposable to lie within the adjacent recess, jointed braces pivotally connected with the edges of the respective leg structures and pivotally connected with the sections at the edges of the recesses therein, the leg structure of the outer section filling the recess therein and the edges of the leg structure of the outer section being recessed to receive the braces whereby when



the seat structure is extended and the outer section superposed upon the inner section the exposed surface of the former will be flush to serve as an individual seat.

2,078,339
MANUFACTURE OF ARTIFICIAL SILK
Hugo Pfannenstiel and Werner Matthaes, Dessau-in-Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application May 2, 1932, Serial No. 608,802
In Germany May 2, 1931
2 Claims. (Cl. 18—54)

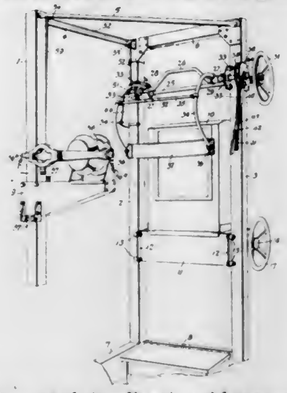


1. A process of spinning artificial silk from viscose which comprises subdividing the spinning operation into two distinct zones; in the first zone squirting viscose through a spinning nozzle into a spinning bath adapted for the production of artificial silk threads having a tensile strength exceeding 2 grams per denier, stretching the freshly precipitated threads until they have a titer finer than that desired for the final thread while avoiding any treatment with a washing agent for reducing the concentration of acid in the thread, and in the second zone subjecting the threads coming from the stretching device to a positive tension lower than that prevailing in the first zone, thus allowing the stretched threads to shrink to the desired final titer and simultaneously promoting the shrinkage of the threads by a treatment with a shrinking agent.

2,078,340
RADIOGRAPHIC APPARATUS
Frank T. Powers, Douglaston, N. Y.
Application January 28, 1932, Serial No. 589,401
8 Claims. (Cl. 250—34)

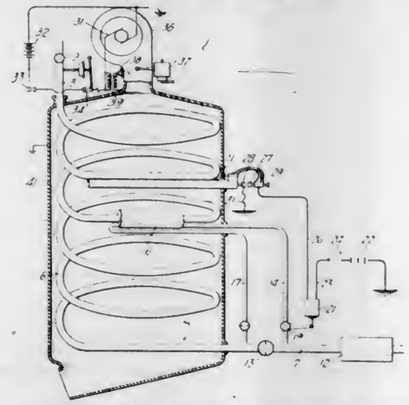
1. In radiographic apparatus including in combination, a frame having mounted thereon for vertical movement, an X-ray generator, a cassette and an immobilizer; means for moving said cassette to vertically position same with respect to the subject to be radiographed, and independent means for moving said generator and

said immobilizer together so as to maintain constant the vertical relation of said generator and



immobilizer and to direct said generator upon the part of the subject to be radiographed.

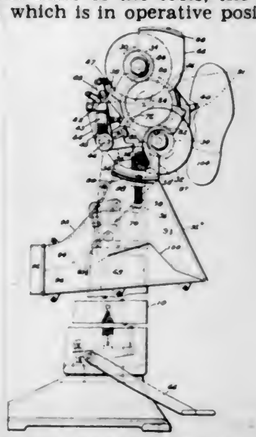
2,078,341
BOILER CONTROL
Nathan C. Price, Berkeley, Calif.
Application September 30, 1933, Serial No. 691,682
1 Claim. (Cl. 122—479)



A control for a boiler characterized by a long, heated tube having an inlet and an outlet, comprising a heat exchanger intermediate the ends of the tube, a thermostat near the outlet end of said tube and responsive to the temperature thereof, means for forcing fluid into the inlet of said tube, means for diverting part of said fluid from the inlet through the heat exchanger and directly back to said inlet, and means under the control of said thermostat for controlling said diverting means to increase the quantity of water diverted through the heat exchanger upon increase of said temperature.

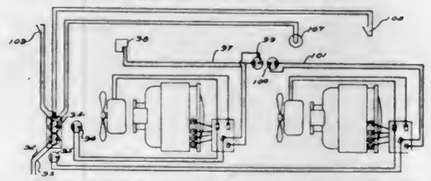
2,078,342
SCOURING MACHINE
Eugene J. Ray, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 6, 1935, Serial No. 30,189
8 Claims. (Cl. 51—81)

1. In a machine of the class described, a tool holder, a plurality of continuously actuated rotary abrasive tools mounted on parallel axes on said holder, said holder being constructed and arranged to move the said abrasive tools in succession to a common operative position, and a dust hood for each of said abrasive tools mounted on the tool holder, said hoods being open on the operative sides of the abrasive tools and closed on the opposite sides of the tools, the open side of that hood which is in operative position and the



closed side of the hood next adjacent thereto being located on the same side of the plane defined by the axes of the tools in the two last-mentioned hoods, whereby that dust hood associated with said next adjacent tool serves as a guard for that tool and precludes contact between it and a work piece being treated by the tool that is in operative position.

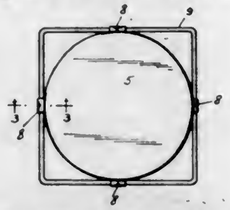
2,078,343
REFRIGERATING MECHANISM
John R. Replogle, Detroit, Mich., assignor, by mesne assignments, to Copeland Refrigeration Corporation, Mount Clemens, Mich., a corporation of Michigan
Application February 23, 1933, Serial No. 658,219
2 Claims. (Cl. 62—116)



1. A refrigerator including a cabinet having a cooling chamber; a compartment, and a plurality of spaced condenser units each occupying a predetermined portion of said compartment; means for admitting air into said compartment at a point between certain of the units therein; and means cooperating with said means for dividing the indrawn air into separate streams, one for each unit, and directing each stream across its unit only and then out of the respective portion of the compartment.

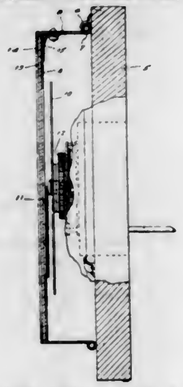
2,078,344
JAR CAP
Henry Ringheiser, Ringtown, Pa.
Application February 18, 1936, Serial No. 64,550
2 Claims. (Cl. 215—43)

2. In a jar closure, the combination of a circular metallic screw threaded cap and a substantially square wire-rod frame disposed about said cap adjacent the crown end of the cap, and said frame having each of its four sides secured to the



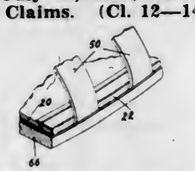
periphery of the cap adjacent the crown of the latter whereby said frame serves as a handle to facilitate turning the cap on the screw threads thereof.

2,078,345
UNIVERSAL TIME INDICATING CLOCK
Thomas L. Robertson, Longview, Wash.
Application April 24, 1936, Serial No. 76,275
1 Claim. (Cl. 58—43)



A clock structure comprising a back, guides carried by the back, an annulus having its inner edge rotatably supported by said guides, a clock mechanism mounted on the back within the confines of the annulus, a rotary dial carried by the clock mechanism and having indicia thereon representing time intervals, and a second dial of annular construction secured to the outer edge of the annulus, said second dial having its inner edge terminating at approximately the periphery of the rotary dial and having indicia thereon indicating different geographical places.

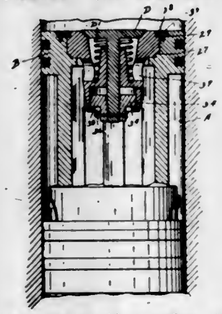
2,078,346
MANUFACTURE OF SANDALS
Edward Schleich, Jr., Bellerose, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 11, 1936, Serial No. 90,217
15 Claims. (Cl. 12—142)



6. That improvement in methods of making strap sandals which consists in forming a collapsible marginal bead at the lower side of an insole, embedding portions of a plurality of cross-straps in said bead and securing the end portions of the straps in overlasted positions to the insole, and attaching an outsole to said insole and said overlasted strap portions with the marginal portions of the outsole in localities between said straps engaged with said bead.

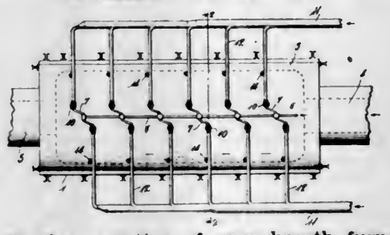
11. A precemented insole having an edge binding and having a marginal stripe of hardened cement located partially upon the surface of the insole inside of the binding and partially upon the binding itself.

2,078,347
SUCTION VALVE
Milton S. Shepherd and Francis C. Wiley, Salt Lake City, Utah, assignors of one-third to Louis A. Roser, Salt Lake City, Utah
Original application February 23, 1932, Serial No. 594,443. Divided and this application November 8, 1934, Serial No. 752,068
3 Claims. (Cl. 230—221)



1. In a compressor suction valve, the combination of a piston; a valve cage carried therein; a ring to secure the cage to the piston; a suction valve mounted in the head of the cage with the face of the valve and the face of the valve seat formed with two converging angles; a small cushioning cylinder formed in the bottom end of the frusto-conical lower end of the valve case; a small piston carried in said cushioning cylinder with the stem of the suction valve secured through said small piston; an escape port through the cage near the top end of the small cushioning cylinder to allow for closing of the valve against air suction and pressure and affording a quick operating valve; and a spring carried in said cage engaging the cage and valve to normally hold the valve slightly away from its seat.

2,078,348
FURNACE AND ITS METHOD OF OPERATION
Kenneth M. Simpson, New York, N. Y.
Application February 21, 1936, Serial No. 65,159
9 Claims. (Cl. 263—52)



1. In the operation of open hearth furnaces, the method which comprises charging the mate-

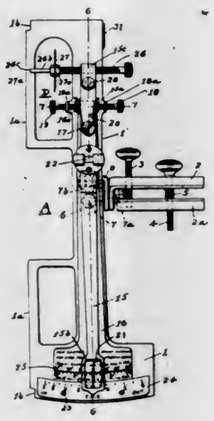
rial to be treated onto the furnace hearth, introducing substantially all of the fuel required for the operation of the furnace to the upper portion of the furnace above the hearth and projecting the same downwardly toward the hearth, burning the fuel with air adjacent the material on the hearth, introducing a portion of the air to the upper portion of the furnace with the fuel and simultaneously introducing another portion thereof through a side of the furnace to flow in a substantially horizontal direction through the furnace over the material on the hearth.

2,078,349

WHEEL ALIGNING AND STEERING ANGLE TEST GAUGE

George H. Stilphen, Portland, Maine, assignor to Southworth Machine Company, Portland, Maine, a corporation of Maine

Application August 1, 1935, Serial No. 34,230
10 Claims. (Cl. 33—203)



1. A device of the class described comprising a telescoping gauge-bar, a standard fixed on and at one end of said gauge-bar, a scribing disc on said standard, an indicator unit detachably mounted on the opposite end of said gauge-bar, said unit embodying a back-plate, a scriber element on the back side of said back-plate, an indicator arm pivotally secured to, and disposed on the forward side of, said back-plate, a registering disc mounted on said indicator arm, and means to move said disc to, and secure it in, various positions on and transversely of said indicator arm.

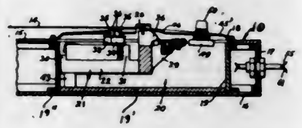
9. A test gauge adapted for use in checking functional angles and measurements of wheels and steering parts of motor vehicles comprising an indicator unit; embodying a back-plate, an adjustable degree-plate having graduations thereon specially calibrated for camber, caster and kingpin inclination angles, an indicator arm having a hair line element therein, means on said indicator arm for plumbing it, a standard, and a telescoping gauge-bar sufficient in length to reach from one to the other of the forward wheels of the vehicle, said standard being secured on one end of the gauge-bar and said indicating unit detachably mounted on the other, said test gauge serving as a floor-level indicator when fully assembled and placed on the wheel-supporting surface in advance of the forward wheels of the vehicle, readings for camber then being taken, with the adjustable degree-plate centrally positioned on the indicator unit and the indicator arm plumbed.

2,078,350

ELECTROPHONIC STRINGED INSTRUMENT

Arthur J. Stimson, Los Angeles, Calif., assignor, by mesne assignments, to Rudolph Dopyera, Los Angeles, Calif.

Application January 19, 1934, Serial No. 707,300
6 Claims. (Cl. 84—1)



1. In a pick-up for a stringed musical instrument which includes an anchor member, a string supporting bridge and means to secure one end of the strings to said anchor member, a horse-shoe magnet adapted to be secured to said anchor member and a pair of electro-magnets each including a coil and an elongated core member extending above and below the associated coil, said core members each engaging a pole of said horse-shoe magnet.

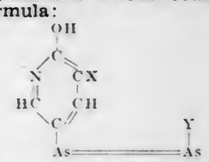
2,078,351

ASYMMETRIC ARSENO COMPOUNDS

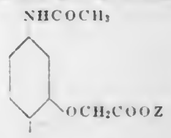
Karl Streitwolf, Frankfort-on-the-Main, Alfred Fehrle, Bad Soden-on-the-Taunus, and Walter Herrmann, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application October 17, 1932, Serial No. 638,256. In Germany December 12, 1931
3 Claims. (Cl. 260—15)

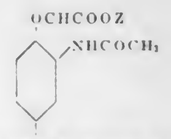
1. The asymmetric arseno compounds of the following formula:



whereas X stands for a member of the group consisting of hydrogen and halogen, and Y stands for a member of the group consisting of



and



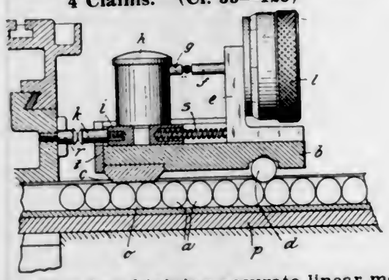
wherein Z stands for a member of the group consisting of hydrogen and the alkali metals, said compounds being in the form of their alkali salts readily soluble in water to neutral solutions of good efficacy and tolerability when administered intravenously, subcutaneously or intramuscularly.

2,078,352

MEASURING INSTRUMENT

Kenneth Edward Summers, Old Fletton, Peterborough, England

Application July 21, 1936, Serial No. 91,653
In Great Britain December 18, 1934
4 Claims. (Cl. 33—125)



1. A device for obtaining accurate linear measurements, comprising a carriage, a measuring stop mounted adjustably on said carriage, a micrometer gauge instrument mounted on the carriage for gauging the position on the latter of said stop, a support for said carriage comprising a row of accurately manufactured spacing pieces of circular cross-section representing units of measurement, said row being parallel to the direction of adjustment of the measuring stop, and a flat thrust member at one end of the carriage for bearing against the spacing pieces, the carriage having a V-shaped bearing surface at the opposite end operative by engagement with the spacing pieces to guide the carriage by gravity into definite positions on the support.

2,078,353

ARTICLES AND METHOD OF MOLDING

Charles A. Thomas, Dayton, Ohio, assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application July 24, 1930, Serial No. 470,533
7 Claims. (Cl. 18—55)

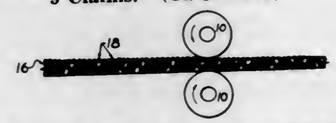
2. The method of producing a rigid molded article which comprises intimately mixing below reaction temperature a thermo plastic, alcohol insoluble, hydrocarbon polymer, having an iodine value of the order of 175–200 produced by polymerizing a liquid mixture of olefines and diolefines in the presence of a metallic halide polymerizing agent, with a fibrous material and sulfur, and subjecting the resulting mixture, under pressure in a mold, to approximately 180° C. whereby a product is formed which is unaffected by water, acids, alkalies or mineral oils and is resistant to heat up to 700° F.

2,078,354

ABRASIVE ARTICLE

Duane E. Webster, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application April 25, 1935, Serial No. 18,211
5 Claims. (Cl. 51—278)



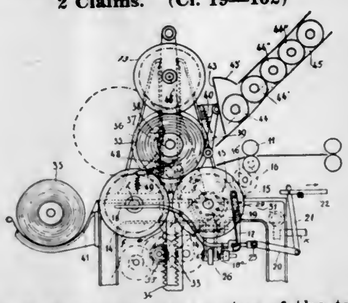
1. A grinding wheel having a peripheral cutting face and comprising a body of abrasive grains distributed in and bonded solely by vulcanized rubber and having a side layer of supplemental abrasive grains embedded in the rubber and abrasive body and solely bonded by the rubber thereof.

2,078,355

LAP-FORMING APPARATUS

Jules Weinbrenner, Thann (Haut-Rhin), France

Application October 29, 1932, Serial No. 640,232
In France November 4, 1931
2 Claims. (Cl. 19—162)



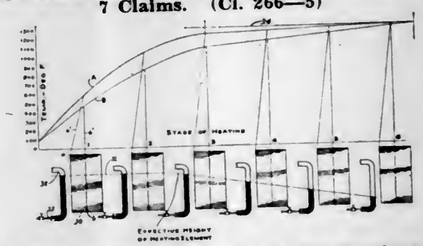
1. In a lap-forming apparatus of the type described in which a spring-controlled lever expels the wound lap roller when lying free upon the winding rollers, a container for the reserve tubes to form the lap rollers, a swinging shutter controlling the discharge opening of the container and positively moved by the aforesaid lever to deliver the first reserve tube towards the winding rollers, and a flap fixed at the outer end of said swinging shutter and adapted to prevent discharge of more than one tube from the container, substantially as described.

2,078,356

METHOD OF ANNEALING

Lee Wilson, Cleveland, Ohio

Application October 16, 1936, Serial No. 105,991
7 Claims. (Cl. 266—5)



1. In a method of annealing a charge of material, the steps including radiating heat to the charge throughout a substantial portion of the height at the bottom thereof, and radiating heat to the charge throughout a lesser portion of its height as the temperature of the charge approaches the desired annealing value.

2,078,357

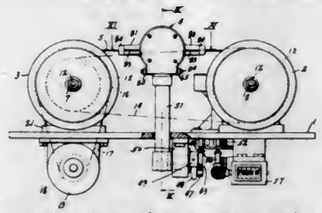
TELEGRAPHONE APPARATUS AND CIRCUIT

George C. Woodmansee and Clay G. Woodmansee, Los Angeles, Calif., assignors to American Talking Wire Company, Los Angeles, Calif., a corporation of California

Application November 25, 1933, Serial No. 699,792
19 Claims. (Cl. 179—100.2)

1. In combination, a recording wire of high retentivity, a recording electromagnet, means for moving said wire past said electromagnet, a

source of voice current to be recorded on said wire, and means for connecting said source to said recording electromagnet, said means including a



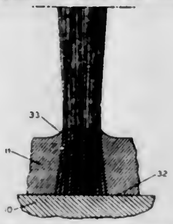
condenser of substantial reactance at voice frequencies connected in series with said recording electromagnet.

2,078,358

BRUSH AND METHOD OF MAKING THE SAME

Ernest B. Wright, Jr., Montclair, and George N. Jacob, Jr., Belleville, N. J.

Application July 29, 1933, Serial No. 682,736
12 Claims. (Cl. 300—21)



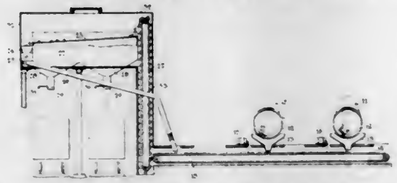
1. A brush, comprising a plurality of tufts of single length bristles, and a body having a tuft-holding layer of solidified binding material which forms the face of the body and in which the root end portions of the tufts are embedded and by which they are held, the embedded root portion of the bristles of each tuft extending in the general direction of the length of the tuft and the bristles of each tuft being spaced apart at the surface of and within the facing layer, and the binding material extending into said root portions between individual bristles thereof and the surface of the facing layer curving outwardly about the tufts, whereby the bristles are individually gripped by the binding material and each root portion as a whole is securely anchored in the facing layer.

2,078,359

PROCESS AND APPARATUS FOR COATING PARTICLES

William J. Young, Charles Town, W. Va., assignor to The Standard Lime and Stone Company, Baltimore, Md., a corporation of Maryland

Application October 19, 1935, Serial No. 45,821
8 Claims. (Cl. 91—55)



1. That method of imparting a surface coating of oil to a mass of normally dusty particles, which consists in heating said particles, applying oil to a portion only of said particles and while they are still hot, and confining the entire mass of oiled and unoiled particles in an admixed state while still hot, whereby the latent heat of the particles increases the fluidity of the oil and the oil is caused to spread over and coat the initially unoiled particles.

2,078,360

CATHODE FOR ELECTRON DISCHARGE DEVICES

Wilhelm Ziegenbein, Berlin, Germany, assignor to Allgemiene Elektricitats Gesellschaft, Berlin, Germany, a corporation of Germany

Application June 6, 1936, Serial No. 83,937
In Germany July 20, 1935
4 Claims. (Cl. 250—27.5)



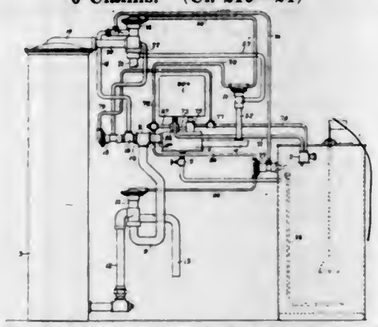
1. A cathode for an electron discharge device including a coil of wire to be heated, said coil being wound in the form of a helix, the inside diameter of the helix having substantially the same dimensions as the diameter of the wire, the pitch between turns being less than ten but more than five times the diameter of said wire.

2,078,361

WATER SOFTENER

Arthur C. Zimmerman, Dayton, Ohio, assignor to The Duro Company, Dayton, Ohio, a corporation of Ohio

Application April 2, 1934, Serial No. 718,621
6 Claims. (Cl. 210—24)



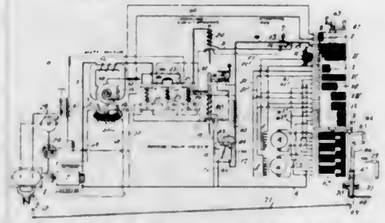
1. In a water softener, a softening tank, a brine tank and a source of hard water, a valve casing having a service outlet and a connection with the softening tank, with the brine tank and with the source of hard water, means to cause brine to flow from said brine tank to said valve casing, a second valve casing having a drain outlet and a connection with the softening tank and with the source of hard water, a valve in each casing having hydraulic shifting means associated therewith, a pair of pilot valves operatively responsive to the flow of the hard water and hydraulically connected to shift the valves in the casings, one of said pilot valves being arranged to shift said valves for softening and regenerating purposes, a valve having hydraulic shifting means connected to supply hard water to render said brine flow causing means inoperative so as to cut short the period of regeneration and to rinse the regenerating tank and refill the brine tank, said last-named valve being connected to supply water independently of and in opposition to the effect produced by the first-named hard-water-operated valve, the other pilot valve being arranged to shift said last-named valve to stop the regeneration and to refill and rinse.

2,078,362

GAS ELECTRIC VEHICLE

Morton Arendt, New York, N. Y.

Continuation of application Serial No. 508,191, October 17, 1921. This application December 17, 1929, Serial No. 414,776. Renewed August 21, 1936
4 Claims. (Cl. 290—17)



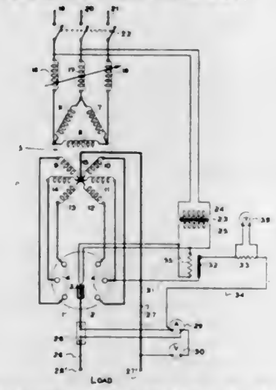
3. In an apparatus of the class described, the combination of an electric operating motor, a prime mover for supplying power thereto, a generator operated by the prime mover, a storage battery, connections between the generator, storage battery, and the electric motor, whereby the storage battery assists in driving the motor, when the load thereon exceeds a predetermined value and is charged by the generator when the load is below such value, a controller for the operating motors and independent means actuated by said controller for reducing the generator output.

2,078,363

STARTING CIRCUITS FOR ELECTRICAL SPACE DISCHARGE TUBES

Max Bareiss, Newark, N. J., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application November 26, 1934, Serial No. 754,730
6 Claims. (Cl. 175—363)



1. In combination, a gaseous discharge device comprising a cathode and a plurality of anodes, an energizing transformer for said discharge device having a winding with its ends connected to two of said anodes, an external circuit connected between the cathode and a point intermediate the ends of said winding, a continuously conductive starting circuit connecting one of said anodes to said cathode to maintain said anode and cathode at substantially the same potential before starting, and means in said starting circuit for producing a potential difference between said cathode and anode connected thereto upon the passage of a current through said starting circuit.

2,078,364

DIRECT ACTING SHOCK ABSORBER

Frederick P. Becker, Chicago, Ill., John M. Nickelsen, Ann Arbor, Mich., and Arthur Boor, Toledo, Ohio, assignors to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan

Application October 14, 1935, Serial No. 44,986
18 Claims. (Cl. 188—88)



1. In a shock absorber of the direct acting type, a pair of concentric spaced tubular members closed at their lower ends and forming an inner pressure cylinder and an outer reserve chamber, a piston operable in said cylinder and provided with a port therethrough, a flexible disk secured at its center on said piston and having its peripheral portion capable of flexing for controlling said port, a resilient member centrally secured on the piston in superposed relation to the disk for yieldably holding the periphery of said disk in position to close said port, a port connecting the cylinder and reserve chamber, and a valve device differentially controlling the flow of fluid through said port in opposite directions.

2,078,365

MEANS AND METHOD FOR MAKING STRIP

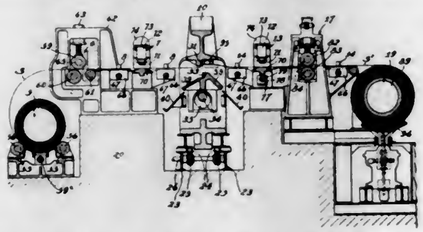
Florence C. Biggert, Jr., Crafton, and Charles F. Buente, Pittsburgh, Pa., assignors to United Engineering & Foundry Company Pittsburgh, Pa., a corporation of Pennsylvania

Application August 6, 1935, Serial No. 34,912
21 Claims. (Cl. 113—1)

1. That method of making rolled metal strip which comprises aligning the ends of two strips with each other, clamping the strip ends in the aligned position, cutting off the crop ends of the strips so that the ends of the remaining main portions of the strips are in relation for welding, welding the ends of the strips together while still clamped to form a continuous strip, and unclamping the strip.

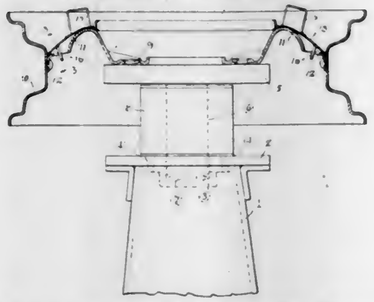
9. Apparatus for welding metal strip portions end to end comprising means engaging with the

sides of the strip portions for aligning the strip portions with each other, means for clamping the strip portions in aligned positions, means for shearing the crop end of each strip portion so that



the cuts thereon are identical, means for adjusting the clearance between sheared strip ends, and means for welding the strip ends together without releasing the clamping means.

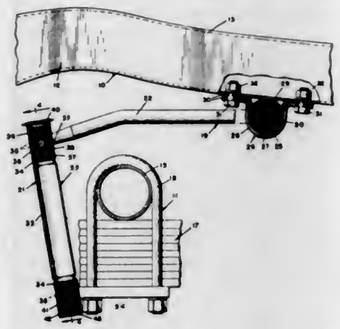
2,078,366
METHOD OF AND APPARATUS FOR STRIPING WHEELS
Harry H. Bound, Lakewood, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application January 14, 1935, Serial No. 1,592
3 Claims. (Cl. 101—126)



1. In an apparatus for applying designs to magnetic metallic articles by means of a stencil, the combination of a supporting standard, a plate rotatably mounted on said standard for carrying such article, a stencil composed of a magnetic material and adapted to overlie the surface on which the design is to be placed, and an electro-magnet so mounted with respect to said plate that the lines of flux of the electro-magnet will pass through said plate, through such an article placed thereon, and through said stencil placed upon such article.

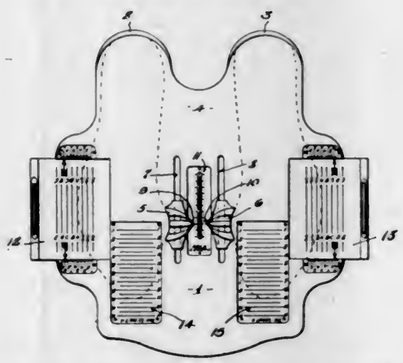
2,078,367
SWAY BAR CONSTRUCTION
Arthur Boor, Toledo, Ohio, assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application January 8, 1936, Serial No. 58,187
5 Claims. (Cl. 267—11)

1. In a vehicle having sprung and unsprung assemblies, a stabilizer comprising a bar mounted for rocking movement on one of the assemblies and having integral laterally projecting extensions at opposite ends thereof terminating in laterally extending enlarged head portions, means connecting the extremities of the extensions to the other of said assemblies including links having tubular portions apertured to receive the enlarged heads on the extremities of the extensions, and a yieldable material secured under



compression within the tubular portions of the links on opposite sides of the head portions.

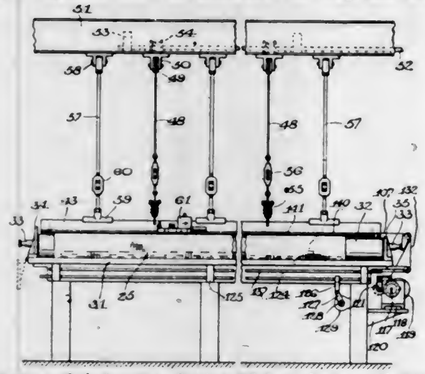
2,078,368
FOOT MEASURING INSTRUMENT
Charles F. Brannock, Syracuse, N. Y.
Application December 13, 1934, Serial No. No. 757,348
3 Claims. (Cl. 33—3)



1. A foot measuring instrument comprising a base plate having a heel abutment at one end facing the other end of the plate, a movable abutment for measuring the length of the foot from the heel to the ball joint and coacting with the ball joint, a movable member for indicating the width measurement of the foot, and motion transmitting means between the ball joint abutment and the movable member for shifting the movable member in accordance with the adjustment of the ball joint abutment, and means for indicating the shoe width when said member is in its adjusted position.

2,078,369
METHOD AND APPARATUS FOR JOINING WIRE CLOTH
William E. Buchanan, Appleton, Wis., assignor to Appleton Wire Works, Inc., Appleton, Wis., a corporation of Wisconsin
Application May 14, 1934, Serial No. 725,559
21 Claims. (Cl. 140—3)

1. The method of producing a joint in wire cloth, which consists in holding two cloth ends in adjacent relation with their edges spaced apart, progressively guiding a strand to a position between said edges, progressively bringing the cloth edges against said strand, and uniting the cloth



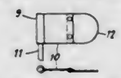
edges and interposed strand by the application of heat.

2,078,370
REFLECTOR ASSEMBLY
Alfred Corbett, Irwin, Pa., assignor to National Electric Products Corporation, a corporation of Delaware
Application April 29, 1936, Serial No. 76,957
6 Claims. (Cl. 240—138)



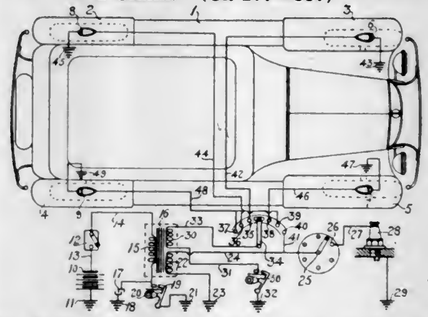
1. In a lamp and reflector assembly the combination with an elongate cylindrical electrical lamp and brackets having end engagement with the lamp for mounting the lamp non-rotatably adjacent an underlying surface, of a reflector comprising an elongate lamp-embracing body having for presentation to the lamp a concave reflecting surface, said reflector body closely approximating in its length the otherwise exposed length of the cylindrical lamp, and resilient lamp-embracing elements mounted in the concavity of the reflector arranged resiliently to engage the lamp between its ends rotatably to mount the reflector thereon.

2,078,371
ELECTRON DISCHARGE DEVICE
Herbert Daene, Berlin-Wilmersdorf, Germany, assignor to Allgemiene Elektricitats Gesellschaft, Berlin, Germany, a corporation of Germany
Application April 19, 1935, Serial No. 17,185
In Germany May 11, 1934
3 Claims. (Cl. 250—27.5)



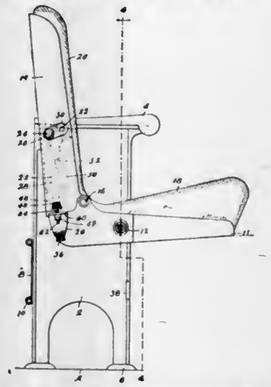
1. An electron discharge device provided with an envelope, a mount comprising an electrode assembly positioned in said envelope and extending coaxially of the envelope, a plurality of free-ended resilient metal supports each secured at one end to said mount and a rigid strip of insulating material secured to each metal support at the free end and engaging the wall of said envelope to firmly and resiliently support said mount in a predetermined position within the envelope.

2,078,372
BLINKING LIGHT SYSTEM
George C. Davis, Lansing, Mich., assignor of one-third to Percy N. Orton and one-third to Peter G. Scofes, Lansing, Mich.
Application April 11, 1935, Serial No. 15,922
1 Claim. (Cl. 177—337)



In a blinking light system, the combination with a source of electric current, of means for generating induced current comprising a low tension coil and conductors connected with the said source, an interrupter arranged to make and break the low tension current, said induction means having two high tension coils arranged to be inductively acted upon by the low tension coil, a system of signal lights connected with one of said high tension coils, a second interrupter in circuit with the said lights coil and adapted to cause the lights to blink, electrical switching means and conducting connections constructed and arranged to control the application of current to said lights, and a sparkplug ignition system connected with the second of said high tension coils.

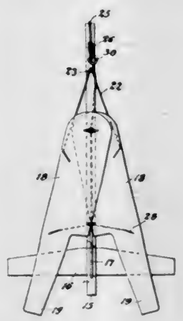
2,078,373
ADJUSTABLE CHAIR
John M. Dorton, Bonner Springs, Kans.
Application November 9, 1935, Serial No. 49,074
5 Claims. (Cl. 155—85)



2. A chair of the character described comprising a frame, a seat foldably connected to said frame, a movable back operably connected to said seat and adapted to cooperate therewith in effecting the folding operation when the seat is

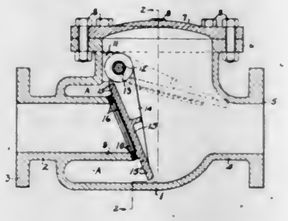
unoccupied, grooved guide means on the frame, elements operating in said grooved guide means, and means on the back adapted to be engaged at different points by said elements whereby the back may be adjusted at different angles to the seat.

2,078,374
ARROW GLIDER
John Drobniewsky, Mount Vernon, N. Y.
Application July 22, 1936, Serial No. 91,879
2 Claims. (Cl. 46—80)



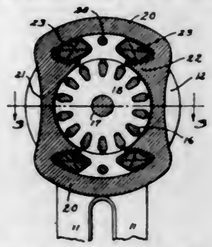
1. A toy glider comprising an elongated bar constituting a body, a single pair of duplicate wings arranged in reversed position and pivoted in superposed relation on said bar at a point in advance of the center of its length, said wings having their rear portions reduced in area, a yielding connection drawing said wings into juxtaposition, non-elastic cords adapted to spread the wings, means to normally retain said cords inoperative, and means to release the retaining means upon a reversal of direction of movement of said bar.

2,078,375
CHECK VALVE
Frank G. Eldridge, Newburgh, N. Y.
Application July 24, 1935, Serial No. 32,861
2 Claims. (Cl. 251—124)



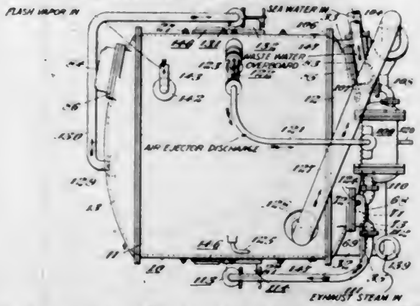
2. A check valve comprising a casing having a reentrant portion terminating in a seat and forming with the adjacent walls of the casing an open ended chamber extending entirely around the reentrant portion, and a valve disc pivotally mounted in the casing so as to be engageable with said seat, said disc being positioned wholly to one side of this pivotal mounting, and extending radially beyond the seat when closed and forming a substantial closure for said chamber, whereby the fluid trapped in the chamber as the disc approaches its seat retards its closing movement.

2,078,376
ELECTRIC GENERATOR CONSTRUCTION
Henry Ford, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application July 1, 1935, Serial No. 29,195
5 Claims. (Cl. 171—252)



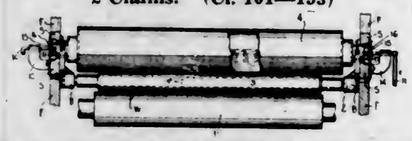
1. A generator comprising, a tubular frame, an armature, a commutator fixed to one end of said armature, said commutator and armature being rotatably mounted within said frame, that portion of the frame which encloses the commutator having a relatively thin wall section of circular shape while that portion which surrounds the armature is of rectangular shape having a relatively thick wall section, and pole pieces extending inwardly from the center portion of the sides of said rectangle, said pole pieces and frame and armature forming a substantially figure 8 shaped magnetic field.

2,078,377
APPARATUS FOR EVAPORATING AND DISTILLING
Benjamin Fox, Wollaston, and Charles E. Ericson, Quincy, Mass., assignors, by mesne assignments, to Buena Vista Iron Company, a corporation of New Jersey
Application December 11, 1931, Serial No. 580,286
Renewed May 4, 1935
7 Claims. (Cl. 202—174)



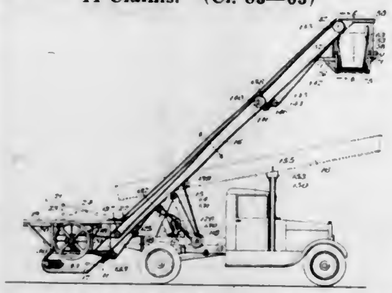
7. A multiple effect evaporating and distilling apparatus, comprising a first compartment and a second compartment within a single container, each of said compartments being adapted to contain a body of liquid separated by a common wall, each of said compartments having a liquid vaporizing portion and a vapor condensing portion, heater means within said first compartment for heating and vaporizing liquid therein, means for conveying feed liquid in preheat heat interchanging relationship successively with vapor in the vapor condensating portion of said second compartment and the vapor condensating portion of said first compartment whereby said vapors in both compartments are condensed while preheating said feed liquid, means for conveying feed liquid thus preheated into the liquid vaporizing portion of said first compartment, means for conveying heated liquid from said first compartment into said second compartment, means for conveying vapor from said first compartment into heat interchanging relationship with the liquid in said second compartment for vaporizing liquid therein, means for collecting for use condensate formed in the vapor condensing portion of said second compartment, and means for maintaining a vapor pressure differential between the two compartments.

2,078,378
APPARATUS FOR AND METHOD OF COOLING A PRINTING COUPLE
Gustave A. Friess, Rye, N. Y., assignor to News Syndicate Co. Inc., New York, N. Y., a corporation of New York
Application July 20, 1935, Serial No. 32,378
2 Claims. (Cl. 101—153)



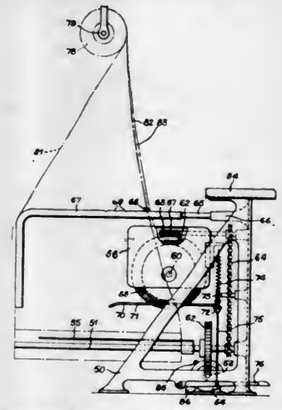
1. In combination, a turnable form cylinder, a turnable impression cylinder having an outer sleeve made of resilient material, a hollow cooling roller turnably mounted in bearings, vertically slidable means adapted to support said bearings, said impression cylinder also having bearings which are vertically movable, said form cylinder contacting with said resilient sleeve along an external portion of said sleeve, said cooling cylinder contacting with said sleeve along another external portion thereof, said cooling cylinder being located above said impression cylinder, and means adapted to cool the internal wall of said cooling cylinder.

2,078,379
MOBILE APPARATUS FOR ICING REFRIGERATOR VEHICLES
Ellison C. Grayson and Verne W. Benner, St. Paul, Minn.
Application September 25, 1935, Serial No. 42,093
11 Claims. (Cl. 83—63)



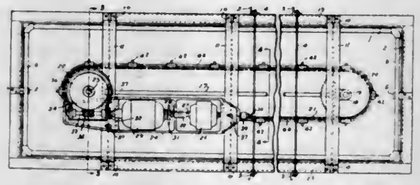
1. In mobile apparatus for supplying ice to the bunkers of refrigerator vehicles, the combination comprising, a vehicle chassis having a source of power thereon, an inclined elevator pivotally supported intermediate its ends on said chassis, ice receiving means carried by and aligned with the lower end of said pivoted elevator, ice delivery means carried by and aligned with the opposite end of said pivoted elevator, means operative from said source of power for changing the inclination of the entire elevator and the ice receiving and delivering means carried thereby to regulate the height of its delivery end, and driving means extending between said elevator and said source of power on said chassis for operating said elevator, said driving means being arranged concentrically with respect to the axis of the pivotal support of the elevator to permit changes in elevator inclination while maintaining an operative driving connection therewith.

2,078,380
TREATMENT OF FABRICS
Albert Fairholme Guyler and William Henry Boaler, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application May 14, 1935, Serial No. 21,330
In Great Britain May 30, 1934
17 Claims. (Cl. 242—55)



1. Apparatus for rolling fabrics, comprising means for winding a fabric into a roll, a flat circular brush adapted to contact with the surface of the fabric at an edge thereof, means for rotating said brush so that a part thereof that is moving outwards across said edge of the fabric uncurls said edge as the fabric proceeds to said winding means, and means for shielding the fabric from the action of said brush except at said outwardly moving part thereof.

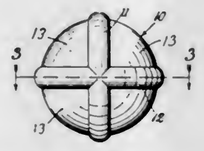
2,078,381
SEMIAUTOMATIC ELECTROPLATING MACHINE
Albert H. Hannon, Springfield, Ohio
Application April 11, 1934, Serial No. 720,086
1 Claim. (Cl. 204—5)



In an electroprocessing machine, a tank, a plurality of transverse bridging members, a sprocket suspended beneath one of said bridging members, a conveyor chain of the roller type engaging said sprocket, a driving unit support mounted on others of said bridging members, a self-contained, motor-operated driving unit

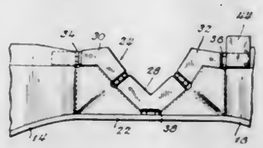
mounted on said support, a driven sprocket engaging said chain suspended from said driving unit in alignment with the first sprocket, and means for bodily moving said driving unit and said support relatively to said bridging members whereby to adjust said chain at the point of application of power thereto, horizontally disposed anode and cathode bus bars, a cathode rail having flat top and sides connected to the cathode bus bar and suspended beneath said bridging members, parallel guiding members having longitudinal grooves therein carried by said bridging members, hooks provided with horizontal and vertical portions for suspension from an engagement with the flat top and sides of the cathode rail, pins projecting upwardly from said hooks and axially supporting rollers of the conveyor chain, said rollers being located in the grooves of the guiding members and freely movable without normal engagement with the walls in said grooves, and an anode rail connected to the anode bus bar.

2,078,382
PLAYING BALL
Charles H. Hanshaw, Beloit, Wis.
Application May 20, 1936, Serial No. 80,730
2 Claims. (Cl. 273—58)



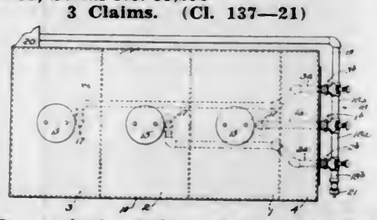
1. A resilient ball having an exterior surface composed of semi-spherical impact areas and interposed protuberant impact bands encircling the exterior.

2,078,383
TRAVELING BAG
Joseph A. Herzog, Newark, N. J.
Application May 29, 1936, Serial No. 82,447
1 Claim. (Cl. 190—48)



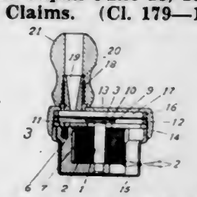
A bag of the character described comprising two complementary parts each comprising a bottom and side walls, means including a flat board disposed between adjacent edges of the two bottoms and connecting said parts for pivotal movement with respect to each other to close and open the bag, and means extending across each end of the flat board for connecting adjacent side walls of the complementary parts; each of said connecting means comprising a rigid V-shaped section pivotally connected to said board and rigid V-shaped sections each hinged at one end thereof to a leg of said first-named section, the legs of the V-shaped sections being reversed with respect to the legs of the first-named V-shaped section, the other ends of said second-named V-shaped sections being hinged respectively to the adjacent corners of said side walls.

2,078,384
DELIVERY MANIFOLD FOR TANK VEHICLES
John Andrew Jefferson, Belmont, Mass.
Original application July 10, 1934, Serial No. 734,526. Divided and this application August 8, 1935, Serial No. 35,296
3 Claims. (Cl. 137—21)



1. In a vehicle of the character described the combination with the tank body constructed interiorly with a plurality of independent compartments disposed side by side in a longitudinal row and on one level and each having an outlet at its bottom, of a plurality of independent delivery conduits each having its inlet end connected with one of said outlets; a manifold consisting of a straight elongate tubular structure extending transversely with respect to said row of compartments and disposed adjacent to the rear end thereof, said manifold having a plurality of inlet ports upon its inner side with each of which is connected the opposite delivery end of one of said delivery conduits; a separate check-and-stop valve member for controlling each inlet port adjustably mounted within said manifold and closing toward its inlet port, and a plurality of manually operable stems each associated with one of said check valves, said stems extending outwardly through and having threaded engagement with a wall of said manifold so that their inner ends are adapted for abutting engagement with their respective check valves to lock the latter on their seats, and the outer ends of all of said stems being accessible to an operator standing upon the ground back of the vehicle.

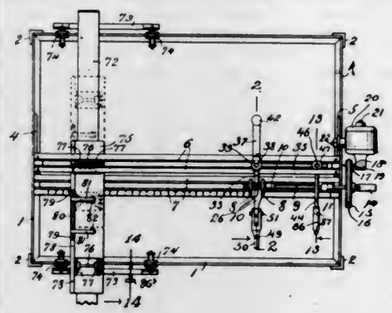
2,078,385
SMALL RECEIVER
Tooru Kato, Osaka, Japan
Application June 7, 1934, Serial No. 729,485
In Japan June 13, 1933
3 Claims. (Cl. 179—107)



1. A small receiver having a portion to be inserted into an ear hole and comprising a resonant cup having an opening in its top and a pipe mounted within the opening, and a plurality of secondary pipes having different internal diameters to be selectively placed one at a time within said first mentioned pipe so that the defect at any pitch of hearing can be treated.

2,078,386
GLASS CUTTING MECHANISM
Michael B. Kendis, Sedalia, Mo.
Application November 29, 1935, Serial No. 52,104
9 Claims. (Cl. 33—32)

1. In a glass cutting mechanism, a support, glass cutting means thereon, a carrier reciprocative on said support toward and from said cutting means, and glass supporting means reciprocative on said carrier transversely to the line of travel thereof.



2,078,387
DIAZO AMINO COMPOUNDS
Jean Georges Kern, Hamburg, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 20, 1934, Serial No. 749,277
13 Claims. (Cl. 260—69)

1. The reaction product formed by coupling a diazotized aromatic amino compound and an alkylolamine from the group consisting of mono- and di-alkylol-amines.

2,078,388
DYEING PROCESS AND COMPOSITION
Jean Georges Kern, Hamburg, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 12, 1935, Serial No. 6,261
11 Claims. (Cl. 8—6)

1. A composition of matter comprising a coupling component and a diazotized aryl-amine capable of producing azo dyes, the said diazotized aryl-amine being in the form of a diazo-amino compound possessing the following formula:

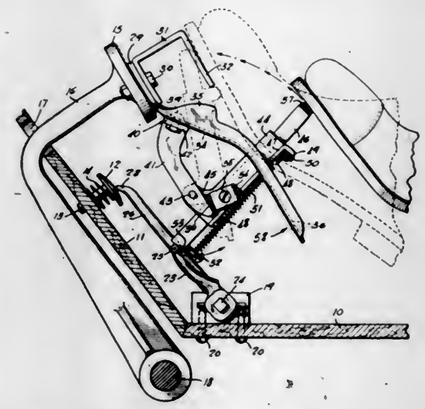
$$\text{Aryl—N:N—N}\begin{matrix}\text{R}_1\\ \\ \text{R}_2\end{matrix}$$

in which R_1 represents hydrogen, an alkyl, a hydroaryl, an alkylol or hydroarylol radical, R_2 represents an alkylol or hydroarylol radical; or R_1 and R_2 together represent a tetra-methylene or penta-methylene chain, substituted by one or more hydroxyl groups and Aryl represents an aryl nucleus of an aryl-amine capable of producing azo dyes.

2,078,389
FLAT VARNISH
Orville L. Kinder, Indianapolis, Ind., assignor to Advance Paint Company, Indianapolis, Ind.
No Drawing. Application February 15, 1935, Serial No. 6,714
5 Claims. (Cl. 134—26)

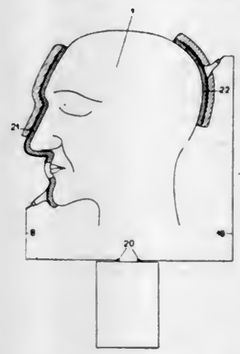
3. An oleo-resinous flat varnish containing an insoluble metallic soap of fatty acids of Japan wax, the metallic radical being one of the metals in the group of calcium, aluminum, magnesium and zinc.

2,078,390
SAFETY ATTACHMENT FOR THE OPERATING PEDALS OF A MOTOR VEHICLE
August D. Kumpf, Philadelphia, Pa.
Application July 17, 1936, Serial No. 91,022
7 Claims. (Cl. 192—3)



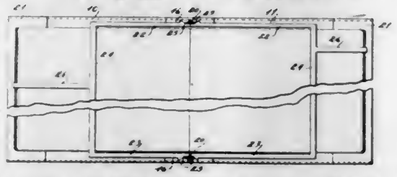
1. In combination with a motor vehicle including a brake pedal and an accelerator, supporting framework carried by the brake pedal, a guide member pivotally carried by the supporting framework, a substitute accelerator slidably mounted in said guide member, operating connections between said substitute accelerator and the accelerator of the vehicle, said operating connections being breakable incident to pivotal movement of the guide member.

2,078,391
CONDENSER TYPE ELECTRODE
Erwin Last, Vienna, Austria
Application December 10, 1934, Serial No. 756,889
In Austria January 10, 1934
9 Claims. (Cl. 128—410)



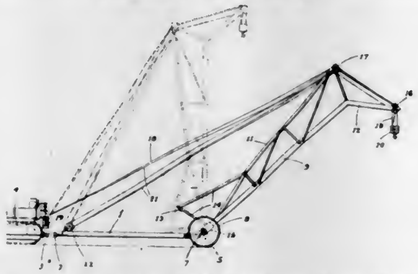
1. A condenser type electrode comprising an insulating layer shaped to provide an external surface conforming to the surface of the part of the body to be treated, the internal surface of the layer being adapted to be presented to the surface of the part of the body to be treated, a metal coating fitted to the external surface of the said layer, and a current supply terminal connected to the said metal coating.

2,078,392
COMBINATION BOOK COVER AND BOOK MARKER
Dee V. Lee, Corpus Christi, Tex.
Application May 27, 1936, Serial No. 82,101
6 Claims. (Cl. 116—119)



4. In combination, a book cover having cord portions extending along the central portions of its upper and lower edges on the inner side of the cover, a book mark having upper and lower horizontal arms each provided at one end with means to engage a respective cord portion and having their remaining ends connected by a vertical bar, and a horizontally disposed passage marking finger extending from said vertical bar.

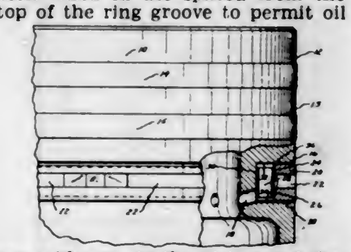
2,078,393
PORTABLE CRANE
Robert G. Le Tourneau, Stockton, Calif., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation
Application October 15, 1935, Serial No. 45,040
5 Claims. (Cl. 212—8)



1. In combination with a tractor, a crane comprising a relatively long tongue swivelly mounted on and supported at its front end by the tractor, wheels supporting the tongue at its rear end, and a boom pivoted in connection with the tongue axially of the wheels for swinging movement relative to the tongue.

2,078,394
PISTON RING
Fredrick A. Luthy, Jackson, Mich.
Application April 10, 1936, Serial No. 73,631
1 Claim. (Cl. 309—45)

An oil ring and expander assembly of a design to be used for the removal of oil from the cylinder walls and to drain the same through ports in the oil ring groove of the piston for return to the sump through the interior of the piston comprising an oil ring to be located in a ported groove of a piston having circumferentially spaced radially extending ports centrally positioned therein, the inner surface of said oil ring being sloped inwardly in opposite directions to form a substantially V-shaped groove into which said radially extending ports open to provide a flaring discharge at the inner ends of said ports, an expander spring of less width than said oil ring and adapted to engage with the sloping sides of said V-groove at points spaced above and below said radially extending ports when said ring and expander are positioned in an assembled relation in a ported piston ring groove, said spring being of angular configuration so as to engage with said V-groove only at circumferentially spaced points, the expanding action of said spring in said V-groove resulting in said spring centering itself when in use spaced from the bottom and top of the ring groove to permit oil to flow



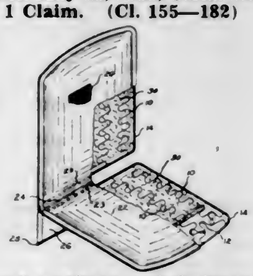
between said ports in the piston and the ports in said ring and around the spring without obstruction as well as providing circumferential oil passages above and below said spring, the axial dimension of said radially extending ports being substantially one-third the axial width of said oil ring, the solid portions of said oil ring disposed between said ports and said ring being sufficiently close together as to restrain any axial deflection of portions of said oil ring under the action of said spring.

2,078,395
PISTON RING EXPANDER
Fredrick A. Luthy, Jackson, Mich.
Application April 20, 1936, Serial No. 75,339
4 Claims. (Cl. 309—40)



1. An expander for piston rings comprising an outer band having circumferentially spaced radially inwardly extending offset portions, opposed aligned slots defined in said offset portions, and spring members disposed along the inner circumference of said band and connected to said band by being received in said slots.

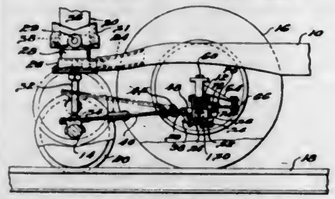
2,078,396
AUXILIARY SEAT
Norman E. MacEwan, Detroit, Mich.
Application May 13, 1936, Serial No. 79,428
1 Claim. (Cl. 155—182)



A ventilated auxiliary seat designed to be supported upon an upholstered spring cushion seat surface and to receive the weight of an adult person comprising a generally rectangular border frame member of relatively rigid construction having channel portions defined therein,

bowed springs spaced along the sides of said frame and extending between the sides of said frame having their opposite ends fixed in said channel portions, certain of said springs being bowed upwardly and others of said springs being bowed downwardly to provide oppositely crowned surfaces above and below the plane of said border frame, said springs being of undulated shape with the undulations disposed in the crowned surfaces, an open work flexible material covering said crowned surfaces, said springs upon compression being urged toward the plane of said border frame and upon extension moving away from said plane whereby a bellows action takes place producing a free circulation of air into and out of the seat structure, said frame being sufficiently rigid to resist the compression action of said springs, the spacing of said springs and the outer surface thereof defining crowned surfaces of sufficient uniformity and smoothness to enable the seat to be smoothly upholstered entirely by said open work covering.

2,078,397
COMBINED ROAD AND RAIL VEHICLE
David W. Main and Sulo M. Nampa, Detroit, Mich., assignors to Transportation Systems, Inc., a corporation of Oklahoma
Application November 18, 1935, Serial No. 50,288
12 Claims. (Cl. 105—215)



1. In a combined road and rail vehicle having a pair of dirigible main wheels, steering mechanism associated therewith and a pair of pilot wheels for guiding said main wheels during rail travel only, means for raising and lowering said pilot wheels from and to track-engaging position, and means controlled by said raising and lowering mechanism for locking said steering mechanism against actuation.

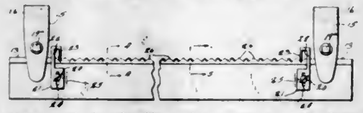
2,078,398
PHOTOGRAPHIC MATERIAL HAVING ALDEHYDE SCREENING DYES
Leopold D. Mannes and Leopold Godowsky, Jr., Rochester, N. Y., assignors, by mesne assignments to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application March 15, 1935, Serial No. 11,281
12 Claims. (Cl. 95—2)



1. A photographic element comprising a support, at least one light-sensitive emulsion layer on the support, and a screening layer containing a non-wandering aldehyde azo dye of the benzene series over the light-sensitive emulsion layer.

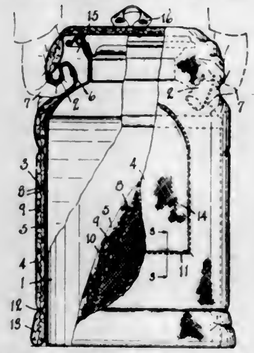
2,078,399
SAW SET AND SAW FILING GAUGE
Stanley W. Marsh and Harry H. Davies, Valley Falls, Kans.
Application September 19, 1935, Serial No. 41,310
5 Claims. (Cl. 76—46)

1. A saw set including two opposed elongated parallel jaws between which a saw is adapted to be clamped, and means for forcing said jaws toward each other without changing the parallelism of the jaws, the upper inner face of each jaw being formed with alternately inwardly and upwardly beveled triangular projections and intermediate relatively depressed portions, the triangular projections of one jaw being opposed to the relative depressed portions of the opposed jaw, the upper edge face of each jaw having a pair of transverse V-shaped filing notches between and defining said projections, the notches being disposed at less than a right angle to the inner face of the corresponding jaw and extending alternately in opposite directions.



3. A saw set including two opposed elongated jaws between which a saw is adapted to be clamped, means for forcing said jaws toward each other, the upper inner face of each jaw being provided with alternate inwardly and upwardly beveled projections and intermediate relative depressed portions, the projections of one jaw being opposed to the relatively depressed portions of the opposed jaw, vertically adjustable gauges mounted upon opposite ends of one of said jaws, each gauge comprising a base plate disposed flat against the outer face of the jaw and vertically slotted, and a set screw passing through the slot, the base having an upwardly extending portion which at its upper end extends laterally and then downwardly so as to be disposed transversely of the space between the jaws and acting to limit the position of a saw with relation to the jaws, the jaw having a vertical series of graduations and the base plate having an index associated with said graduations.

2,078,400
INSULATED SANITARY COVER FOR MILK CANS
Kenneth A. Maupin, Eaton Rapids, Mich.
Application June 27, 1936, Serial No. 87,810
8 Claims. (Cl. 150—52)



1. A protector for a milk can or the like having handles, comprising an open-bottom closed-top bag formed of double walled fabric, said bag being of a size to fit snugly over the body of a milk can or the like and having at the sides thereof opposite the location of the handles of a can enclosed therein an extra fullness forming a pair of closed pockets to be tucked under and about the handles of a milk can whereby the can is protected and the handles may be grasped by the

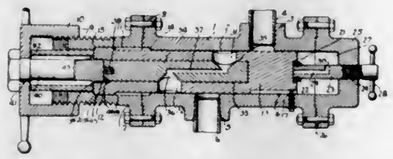
hands, and insulating material, and a sheet of air impervious material enclosed between the double walls of said bag in the portions of the bag other than said pockets, and a row of quilting stitches in proximity to the bottom of said bag to form a tubular part adapted to contact with the floor around the bottom of the can to form a seal.

2,078,401
CASING CUTTER
Neal Thomas McCann, Westminster, Calif.
Application August 20, 1934, Serial No. 740,615
10 Claims. (Cl. 81—195)



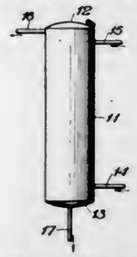
1. A casing cutter comprising a housing adapted and arranged to be mounted on pipe, a piston slidably mounted in the housing, a plurality of cutters in the housing, said cutters being engageable by the piston to project said cutters from the housing, a pump in the housing, means operatably engaging the pump to operate the same upon rotation of the housing, and means engageable by the piston, said last named means engaging the pump operating means, whereby the pump operating means is released when the piston reaches the bottom of its stroke.

2,078,402
RELEASABLE CHOKE
James Moore McDonough, Galveston, and Granville A. Humason, Houston, Tex.
Application September 20, 1935, Serial No. 41,356
11 Claims. (Cl. 251—80)



1. A valve structure including a housing having a fluid inlet, and a fluid outlet offset from said inlet, a valve fitting adjustably in said housing, a removable core in said valve, offset ports in said valve adapted to be brought into and out of registration with said inlet and outlet by longitudinal movement of said valve, an axial conduit in said core connected with said ports, said conduit being of predetermined capacity, and means to move said valve.

2,078,403
COUNTERCURRENT CONTACTOR
Clarke C. Miller, Wood River, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application March 21, 1935, Serial No. 12,337
12 Claims. (Cl. 196—46)



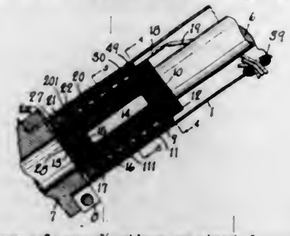
1. In a vertical tower for countercurrently contacting two liquids which differ in specific gravity and are at least partially immiscible with each other, a horizontal partition in said tower so constructed and arranged that a pool of heavy liquid accumulates above it and a pool of light liquid below it, means supported by and rising from said partition for conveying light liquid from below said partition through said pool of heavy liquid and out of contact with it and for evenly distributing said light liquid throughout the cross sectional area of said tower above said pool of heavy liquid, said last mentioned means being provided with flow control means for controlling the depth of said pool of light liquid, and separate means comprising a series of downcomer pipes depending from said partition at a large number of points substantially uniformly distributed throughout the cross sectional area of said tower for conveying heavy liquid from above said partition through and out of contact with said pool of light liquid and for evenly distributing said heavy liquid throughout the cross sectional area of said tower below said pool of light liquid.

2,078,404
METHOD OF EXTRACTING LIVER OIL
Carl Nielsen, Lake Bluff, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application December 29, 1931, Serial No. 583,791. Renewed July 31, 1935
8 Claims. (Cl. 87—6)

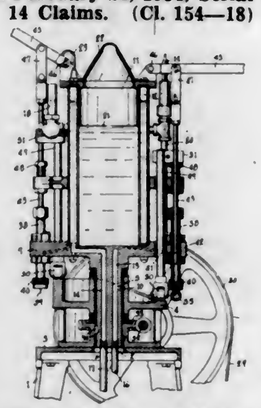
1. A method of preparing oil of the class described, comprising steaming livers of fish or the like at a temperature not substantially greater than about 100° C., discarding the aqueous liquid thus produced, cooling the material to a temperature below freezing, extracting the oil from the residue by means of an organic solvent, and subsequently removing the solvent from the oil thus extracted, the steaming being done in such a manner as to substantially exclude air, and the material being protected from oxidation during the cooling step.

2,078,405
VEHICLE SIGNAL SWITCH
Holger H. Nielsen and William J. Kruder, Chicago, Ill., assignors to Auto Turn-Lite Corporation, Chicago, Ill., a corporation of Illinois
Application January 21, 1935, Serial No. 2,704
7 Claims. (Cl. 200—59)

1. The combination with a tubular steering column having a steering post disposed in spaced concentric relation therein, of a direction signal switch disposed within said column and around said steering post and comprising a steering post member of insulating material sleeved on and rotating with said steering post and having an external longitudinal groove extending to one end thereof, a longitudinal strip of conducting material seated in said groove and having a radial end ring embracing said steering post member, a steering column member of insulating material sleeved within said steering column and having an internal helical groove, helical contact strips seated in said helical groove and spaced at their inner ends to provide a central neutral station, a ring of conducting material mounted at one end of said steering column member for constant contact with said end ring embracing said steering post member, means connecting the parts of said switch to provide a self contained unit, and a brush disposed to travel in said longitudinal groove of said post member and engage the helical groove of said column member for establishing an electrical circuit between said longitudinal strip and one of said helical contact strips depending upon the direction of rotation of said steering post member, the normal position of said brush being at said neutral station in said helical groove.

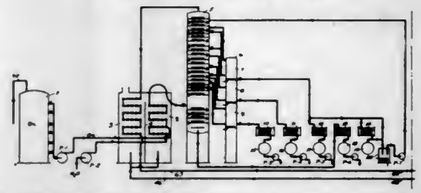


2,078,406
METHOD OF FILLING GOLF BALL CORES, CENTERS, OR THE LIKE
John M. Oldham, Detroit, Mich., assignor to Leonard A. Young, Detroit, Mich.
Application February 24, 1934, Serial No. 712,781
14 Claims. (Cl. 154—18)



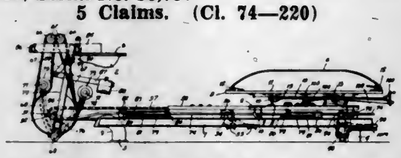
1. The method of making a fluid type core for golf balls and the like, which comprises filling a hollow sphere of elastic material through a hypodermic needle piercing the wall of the sphere, with a liquid and of the proper quantity to fill the sphere, the elastic wall of the sphere expanding during such filling step to accommodate its contents under pressure, and withdrawing the hypodermic needle from the sphere with the incision at the top thereof so that the entrapped air is expelled through such incision by the contraction of the elastic wall of the sphere to its normal size.

2,078,407
METHOD OF TREATING HYDROCARBONS
Bernard Ormont, New York, N. Y., assignor to Bernard Ormont Associates, Inc., New York, N. Y., a corporation of New York
Application September 21, 1933, Serial No. 690,477
2 Claims. (Cl. 196—63)



1. The method of treating a hydrocarbon oil which consists in heating the oil to a temperature substantially no higher than 500° F. and insufficient to completely vaporize the same; independently heating water to produce a region of nascent steam; conveying the unvaporized oil to said region where said oil is completely vaporized at no increase in said temperature; subjecting the resultant mixture of oil vapors and steam to condensing temperatures to recover the heavier fractions of said oil; subjecting the remaining oil vapors to additional heating at temperatures above 900° F. to crack the same; and lowering the temperature of the reheated and cracked vapors, including subjecting said vapors to contact with a film of moving water so as to maintain said vapors in the vapor phase; and recovering the lighter fractions of said oil.

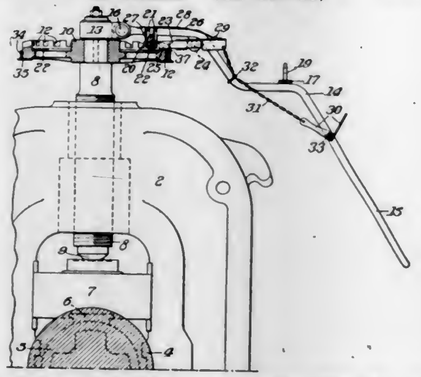
2,078,408
POLISHING MACHINE
Theodore F. Philippi, East St. Louis, Ill.
Original application July 26, 1933, Serial No. 682,192. Patent 2,015,495, dated September 24, 1935. Divided and this application August 19, 1935, Serial No. 36,787
5 Claims. (Cl. 74—220)



2. A reversing mechanism for a polishing machine or the like including a reciprocating work table, said mechanism comprising two spaced parallel drive shafts, gearing connecting said shafts whereby one shaft drives the other in a reverse direction, pulleys fixed to the respective drive shafts, a driven shaft adapted to be operatively connected to said table to actuate the same, two pulleys fixed to said driven shaft, loose belts connecting the drive shaft pulleys and the driven shaft pulleys, respectively, an upright rocker arm pivotally mounted at its lower end to swing crosswise of said belts, pulleys journaled on the upper end of said rocker arm and adapted to bear against the respective belts, a slide rod adapted to be operatively connected to said table for actuating said rocker arm to cause the pulleys thereon to bear alternately against said belts, and means

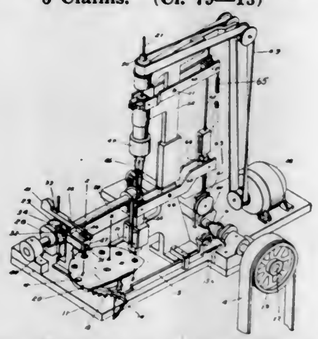
operable in the operative positions of said arm for increasing the pressure of the pulleys thereon against the respective belts.

2,078,409
SPANNER WRENCH
Paul K. Pisarcik, East Vandergrift, Pa., assignor to Apollo Steel Company, Apollo, Pa., a corporation of Pennsylvania
Application May 18, 1936, Serial No. 80,354
15 Claims. (Cl. 20—56)



1. In a device of the character described, the combination with a vertical screw, of a horizontally disposed spanner wheel secured thereto and having notches therein, a spanner wrench swivelled on the screw above the spanner wheel, a roller carried by and depending from the wrench for supporting said wrench out of engagement with the wheel notches, and means mounted on the wrench for selectively engaging the said notches.

2,078,410
AUTOMATIC BUTTON DRILLING MACHINE
Frank A. Richards, Scranton, Pa., assignor, by mesne assignments, to Consolidated Molded Products Corporation
Application October 26, 1935, Serial No. 46,860
6 Claims. (Cl. 79—13)



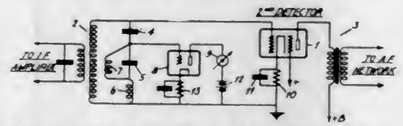
1. A feed for a machine for drilling buttons and the like of the type that have counterbores to mark the point of drilling comprising, a button support to hold and present a button beneath a drill, and a centering device to partially rotate the button to bring the counterbores in line with the boring elements of the drill, the centering device including one or more prongs adapted to enter the counterbores, and mechanism to move the prongs to and from a button located on the support to rotate the prongs around a predetermined center and to stop the rotation at a predetermined limit of travel.

2,078,411
CLINCH-ON NUT
Frederick G. Richardson, Detroit, Mich., assignor to F. L. McLaughlin Company, Detroit, Mich., a corporation of Michigan
Application July 5, 1935, Serial No. 29,854
3 Claims. (Cl. 85—32)



1. As a new article of manufacture, a nut unit of the type adapted to be permanently clinched in an aperture in a sheet metal article, comprising a substantially square standard nut element for receiving a bolt, and an exterior member having fixed walls enclosing a portion of the top and bottom walls and side walls of the nut, said exterior member having a portion non-rotatably cooperating with said aperture in said sheet metal article and being permanently distorted to serve as the sole means for clinching the nut unit in position, said fixed walls having such predetermined dimensions as to permit shifting of the nut within said exterior member, the portion of the exterior member enclosing a portion of the top wall of the nut being directly backed by a top edge of said exterior member enclosing a portion of the side walls of the nut to prevent said top enclosing portion from collapsing when said portion cooperating with the aperture in the sheet is distorted.

2,078,412
TUNING INDICATOR ARRANGEMENT
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 21, 1933, Serial No. 694,546
10 Claims. (Cl. 250—20)



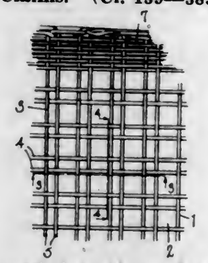
1. In a high frequency signalling system, a resonant circuit tuned to a desired signal frequency, a path in said circuit series resonant to the desired signal frequency, an electron discharge device having its input electrodes connected to the series resonant path, and a visual current indicator in the plate circuit of said device.

2,078,413
TRACTOR IMPLEMENT HITCH
Adolph Ronning, Minneapolis, Minn.
Original application June 10, 1935, Serial No. 25,833. Divided and this application March 27, 1936, Serial No. 71,219
5 Claims. (Cl. 280—33.15)



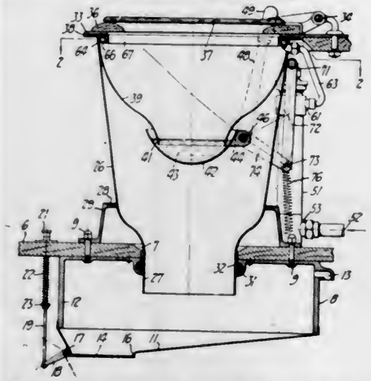
1. A hitch for detachably connecting the draft member of a trailing vehicle to a draw member of a self-propelled vehicle, comprising a pair of normally connected coupling elements secured one to each of said members and vertically separable to effect disconnection, means operative upon initial rearward movement of the vehicles to cause such vertical coupling elements to separate and thus disconnect the vehicles, said means including a device operative upon a successive and secondary rearward movement of the vehicles to vertically close the coupling elements and reconnect the vehicles.

2,078,414
OPEN MESH BAG
Wade E. Sackner and John E. Millett, Grand Rapids, Mich.
Application October 21, 1936, Serial No. 106,744
2 Claims. (Cl. 139—389)



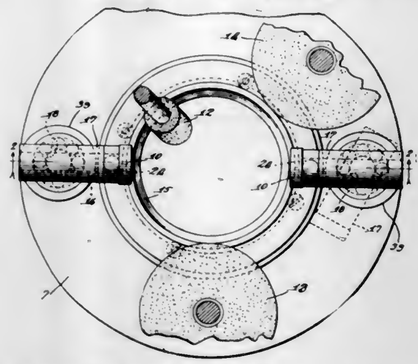
1. An open mesh bag for produce or the like composed of interwoven twisted paper warp and weft strands of substantially .028 inch diameter disposed in spaced apart pairs with the individual strands of each pair relatively close together with the individual strands of each pair of warp strands in opposite sheds and the individual strands of each pair of weft strands on opposite sheds, the strands each being kinked at its place of crossing of each other strand.

2,078,415
MOBILE COMMODE
Esley Foster Salsbury, Orinda, Calif.
Application February 24, 1936, Serial No. 65,325
5 Claims. (Cl. 4—76)



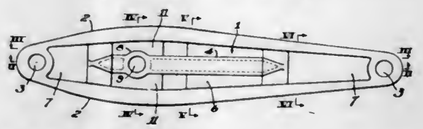
1. A mobile commode comprising a septic tank, a toilet bowl disposed above said septic tank, a valve interposed between said toilet bowl and said septic tank, a pump for supplying water to said toilet bowl, and means for simultaneously moving said valve to discharge position and said pump to discharge water to said toilet bowl.

2,078,416
GRINDING APPARATUS
Louis J. Sauer, Chicago, Ill.
Application February 6, 1936, Serial No. 62,671
8 Claims. (Cl. 51—217)



1. A grinding apparatus for surfacing annular articles comprising a rotatable work support having an annular surface coaxial with the support against which surface an annular face of the article is held, means for clamping the article on the work support comprising a plurality of rollers, and mounting means for said rollers non-rotatable with the work support, the axes of which rollers intersect the axis of the work support and which rollers engage an annular surface on the article and are rotated thereby.

2,078,417
BRAKE LEVER
Frederic Schaefer, Pittsburgh, Pa.
Application April 3, 1936, Serial No. 72,545
6 Claims. (Cl. 74—519)

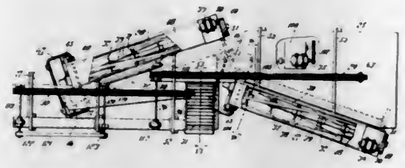


1. A brake lever having a web and flanges at the edges of the web integral therewith, the web being provided with corrugations extending longitudinally of the lever and projecting from opposite sides of the common central plane of the flanges.

2,078,418
CELLULOSE FILM AND FOIL AND METHOD OF MAKING THE SAME
George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 1, 1934, Serial No. 751,034
3 Claims. (Cl. 18—57)

1. Process for the manufacture of sheet-like material containing cellulose, which comprises forming a mixture of an effect material and a primary solution of cellulose acetate, forming a sheet from said mixture, and treating the formed sheet with an alcoholic alkali solution to effect complete saponification of the cellulose acetate to cellulose, whereby a sheet-like material containing cellulose and having the effect material dispersed throughout the same is formed.

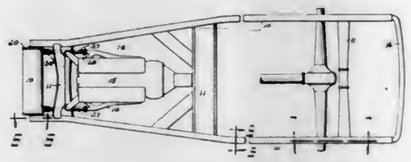
2,078,419
APPARATUS FOR TREATING FIBROUS MATERIAL
John N. Selvig, Westfield, N. J.
Application April 29, 1935, Serial No. 18,761
20 Claims. (Cl. 19—12)



1. In an apparatus of the type described, the combination of a table having a longitudinally extending groove in its top face, an endless forwarding chain structure comprising reticulated members arranged thereabout and having outwardly projecting lugs on their outer faces, means for supporting and driving said chain structure with the outwardly projecting lugs on the reticulated members of the lower ply extending into said groove, and means slidably engaging the lower ply of said chain structure between its end portions serving to support said reticulated members and to hold them down in operative relation to said groove.

6. In an apparatus of the type described, the combination of a table; means for moving stalks of fibrous material forwardly along a path obliquely disposed with respect to one edge of the table; a reel comprising a shaft, heads on said shaft in spaced relation to each other therealong, and spirally arranged breaker bars carried by said heads longitudinally of the reel and having their forward ends bent inwardly toward the shaft in advance of the forward head; and means for revolving said reel.

2,078,420
MOTOR VEHICLE
Laurence S. Sheldrick, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application March 9, 1936, Serial No. 67,876
6 Claims. (Cl. 180—54)

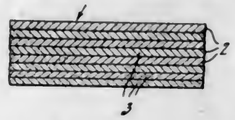


1. A vehicle chassis construction comprising, a frame having a pair of longitudinally extending tubular side members, a V-type motor mounted in the front end of said frame, a muffler extending transversely between said side members just forwardly of said motor, means for conducting the exhaust gases from the both banks of cylinders in said motor to the respective ends of said muffler, said exhaust gases flowing through said muffler to a common center chamber, and means for conducting the exhaust gases from said center chamber in substantially equal amounts to each of said tubular side members, said side members conducting the gases to the rear of the vehicle.

2,078,421
MANUFACTURE OF ALKYL AND ARYL PHOSPHATES
Royal L. Shuman, Newark, N. J., assignor to Celluloid Corporation, a corporation of New Jersey
No Drawing. Application April 13, 1934, Serial No. 720,448
8 Claims. (Cl. 260—99.20)

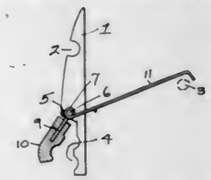
1. A method of manufacturing phosphate esters, which comprises passing a mixture containing an organic hydroxy compound and a compound of phosphorus capable of forming a phosphate ester with the organic hydroxy compound, through a series of heated zones, each zone being maintained at a higher temperature than the zone preceding it in the series, so as to form the phosphate ester.

2,078,422
LAMINATED INSULATION MATERIAL
Omar H. Smith, West Englewood, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 29, 1934, Serial No. 733,029
3 Claims. (Cl. 154—2.6)



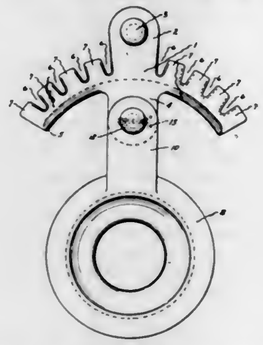
1. A method of making insulating material which comprises drying laminae of fibrous material, impregnating them with a dilute solution of meta styrol, drying, then impregnating with a more concentrated solution of meta styrol, drying, superposing the laminae and pressing them together under heat.

2,078,423
CLOTHESPIN
Hermann R. F. Stender, San Francisco, Calif.
Application July 25, 1936, Serial No. 92,471
1 Claim. (Cl. 24—137)



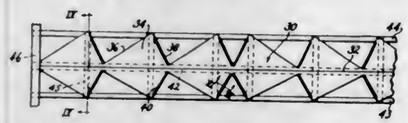
A clothes pin including an elongated member having a line receiving recess at one end thereof and a clothes receiving recess at the other end thereof, and a shoulder on the face of said member adjacent the clothes receiving recess; a wire element having a pair of matching coils formed adjacent opposite ends thereof, said coils being rotatably confined adjacent the face of said shoulder, the portion of said element connecting said coils consisting of connecting legs adapted to swing over an end of said elongated member to hold a clothes lines in the line receiving recess, and the termini of said wire element extending out from the face of said shoulder; and a clothes gripping jaw mounted on said termini in complementary relation to said clothes receiving recess to confine clothes therebetween when actuated by said wire element.

2,078,424
CONDUCTOR SUPPORT
Loid M. Stinchcomb, Jackson, Mich.
Application February 6, 1936, Serial No. 62,554
6 Claims. (Cl. 248—63)



2. A device of the character described comprising a corner fitting for supporting a through conductor, said fitting having a curved bend determining portion, a plurality of spaced conductor retaining portions extending from said bend determining portion, and supporting means for said fitting, said bend determining portion being characterized by the fact that a conductor supported thereby may be secured thereto while having any one of a plurality of different bends.

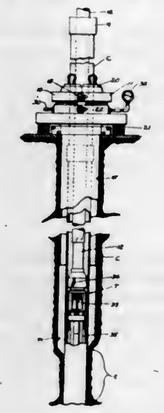
2,078,425
STRUCTURAL UNIT
Walter H. Stulen, Pittsburgh, Pa.
Application September 9, 1936, Serial No. 99,931
12 Claims. (Cl. 189—34)



1. A structural unit comprising a longitudinally extending strip of sheet metal bent along a central longitudinal to form portions making an angle of less than 180° with each other, said portions having laterally extending triangular areas formed integrally therewith and in the same plane, said areas being continuously repeated longitudinally of the strip and having one unsupported side of each triangular area of less length than the other unsupported side, said shorter unsupported sides being positioned away from the ends of the strip, longitudinally extending strengthening means secured to the apexes of the triangular areas and to the center of the strip, and boundary channels receiving the ends of the unit.

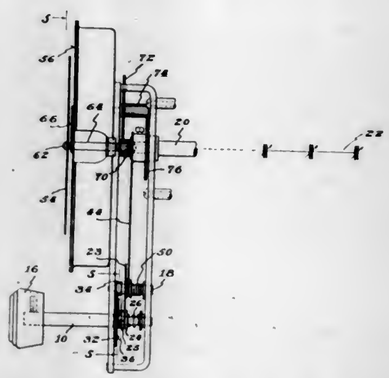
2,078,426
METHOD FOR RECOVERING CASING FROM WELLS
Cecil H. Sweet, Brea, Calif., assignor of one-half to Weldon C. Erwin, Brea, Calif.
Application July 11, 1934, Serial No. 734,592
12 Claims. (Cl. 294—96)

1. The method of locating the point at which an object is fixed in a well which includes maintaining a longitudinal strain on the object, and applying a longitudinal strain to the object at vertically spaced points to locate the lowest point



on the object at which the application of the longitudinal strain varies the strain maintained on the object.

2,078,427
DUAL-RATIO TUNING MECHANISM
John H. Teaf, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1935, Serial No. 19,033
3 Claims. (Cl. 74—10)



1. Tuning mechanism for a radio receiver comprising a tuning shaft, an idler shaft, a third shaft, means for driving the idler shaft from the tuning shaft at a relatively high ratio, means for driving the idler shaft from the tuning shaft at a relatively low ratio and comprising a member loose on the tuning shaft, an element carried by the tuning shaft for rotating said member with the tuning shaft, said element being freely movable with respect to said member through a given angle, means for releasing said first-named means when the tuning shaft is rotated in either direction to bring said element into position to rotate said member, and means for driving the third shaft from the idler shaft.

2,078,428

PROCESS OF OBTAINING PHOSPHATIDES FROM SOAPSTOCK

Benjamin H. Thurman, Yonkers, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada

No Drawing. Original application September 6, 1933, Serial No. 688,361. Divided and this application February 12, 1935, Serial No. 6,260

3 Claims. (Cl. 260—99.20)

1. The process of recovering phosphatides, which comprises treating cotton seed oil soapstock with a soap and oil solvent, separating the insoluble products, and washing them with an aqueous solution having a pH of not more than about 3.

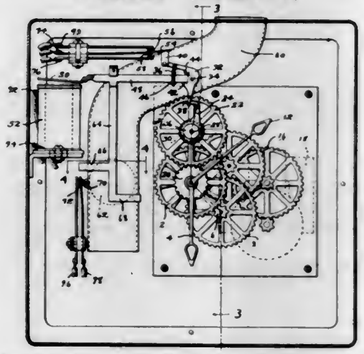
2,078,429

REFRIGERATING APPARATUS

Ralph L. Tweedale, Washington, D. C., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Application April 14, 1932, Serial No. 605,169

9 Claims. (Cl. 194—9)



1. In a coin controlled electric time switch, a constantly running constant speed motor, a circuit controller movable between two positions, a rotary member for moving the circuit controller, a friction clutch driving the member from the constant speed motor, means for blocking rotation of the member, said friction clutch permitting the motor to run while the member is blocked, a coin chute, and automatic means responsive to the deposit of a coin in the chute for removing the blocking means from the path of the member.

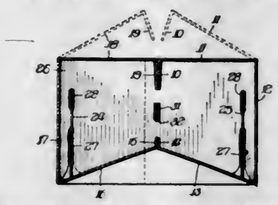
2,078,430

EGG CARTON

John E. Walsh, Chicago, Ill., assignor to Self-Locking Carton Company, Chicago, Ill., a corporation of Illinois

Application October 28, 1933, Serial No. 695,573

1 Claim. (Cl. 229—29)



A cellular carton of the type described, comprising an outer container made from a single blank cut, scored and folded to form a cover section, front and rear walls, integral front and rear bottom sections the combined width of which is greater than the distance between the front and rear walls, end sections connecting said front and rear walls together, a separate inside filler having vertical front and rear filler strips adjacent but spaced from the front and rear walls of said outer container, the bottom section along a longitudinal medial line extending inwardly and upwardly to form in cross section substantially an inverted Y, and a series of independent separate cross partitions having adjacent each end a downwardly opening slot receiving and spacing the longitudinal filler strips from the side walls and with an aperture engaged by tongues carried by the filler strips, the said cross partitions also provided with a centrally disposed downwardly opening slot embracing the stem of the inverted Y of the bottom section and upwardly thereof with a centrally disposed aperture receiving tongues formed on the extremity of said stem whereby to suspend the bottom section by the cross partitions.

2,078,431

TAG

Ernst Weisswange, West Reading, Pa.

Application January 7, 1935, Serial No. 754

2 Claims. (Cl. 40—20)



1. In combination, an article of merchandise and a tag therefor, said tag comprising a body of relatively stiff material and having a circular opening at one end and a slot at its opposite end providing a space for indicia between the same, said opening and slot providing passageways receiving the article of merchandise threaded therethrough to underlie the portion of the body between the opening and slot and extending beyond the ends of the body, and said article being tied or knotted about the portion of the body below the slot for fixing the tag thereto.

2,078,432

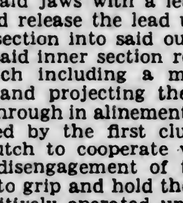
CAMERA

Carl H. Whitlock, Lockport, N. Y., assignor, by mesne assignments, to Universal Camera Corporation, New York, N. Y., a corporation of New York

Original application December 8, 1933, Serial No. 701,488. Divided and this application August 23, 1934, Serial No. 741,113

6 Claims. (Cl. 242—71)

4. A camera comprising a body having an internal chamber for receiving the major portion of a film spool, an external recess for receiving a winding knob fixed to and forming a part of the film spool, and an opening between said chamber and said recess through which a part



of said spool may extend, said opening being of materially smaller diameter than said recess and said chamber.

2,078,433

LEAD FEEDING PENCIL

Arthur Winter, Weehawken, N. J.

Application December 18, 1935, Serial No. 54,978

6 Claims. (Cl. 120—17)



1. A mechanical pencil comprising telescopically associated inner and outer tubular sections, a slotted lead holding tube mounted in said outer section, a clutch on and slidable longitudinally of said tube and having jaws passing through the slots therein to engage a lead in the tube, an operative connection between said inner section and said clutch to cause engagement and disengagement of said jaws with a lead in said tube to advance and release the lead upon movement of said inner section into said outer section and retraction of said inner section respectively, and a second clutch including a member in said outer section and projecting therefrom with a passage therethrough in alinement with said tube, means actuated by the first clutch to actuate the second clutch to cooperate with said outer section upon disengagement of the first clutch from the lead to grip and hold the projected lead and to be positively operated upon engagement of the first clutch with the lead to release the projected lead, whereby the projected lead is held by the second clutch against retraction as the lead is released by the first clutch upon retraction thereof, and the lead is slid through the second clutch when the lead is gripped and advanced by the first clutch.

2,078,434

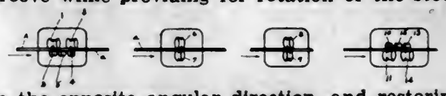
METHOD OF FINISHING ROUNDS

George A. Wise, Pittsburgh, Pa., assignor to Sutton Engineering Company, a corporation of Pennsylvania

Application April 11, 1935, Serial No. 15,776

3 Claims. (Cl. 80—63)

1. The herein described method of cold rolling solid metallic rounds which consists as a succession of separate and individually complete steps in first rolling a spiral groove of appreciable depth in the stock while providing for rotation of the stock in one definite angular direction, rolling in the stock a second spiral groove opposite in sense and of appreciable depth intersecting the first groove while providing for rotation of the stock



in the opposite angular direction, and restoring an uninterrupted surface to the stock with improvement in approximation to mathematical roundness of the stock by rolling out the intersecting spiral grooves while providing for rotation of the stock.

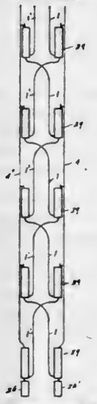
2,078,435

PUMP

James A. Armitage, Houston, Tex.

Application April 20, 1934, Serial No. 721,520

7 Claims. (Cl. 103—239)



1. Apparatus for elevating liquid comprising two series of liquid entrapping means adapted to be located in a well each having a chamber, said chambers having ports the entrapping means of the respective series being spaced apart one above the other, conduits connecting the chambers of each series with chambers of the other series at higher elevations, the port of each chamber being slightly larger than that of the next succeeding chamber above, means including floats for applying an operating fluid, under substantially equal pressures, to the liquid in either series of chambers simultaneously to effect such elevation of the liquid, and means for preventing the back flow of the liquid being pumped.

2,078,436

ABRASIVE WHEEL AND METHOD OF MANUFACTURE

Harry O. Anderson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

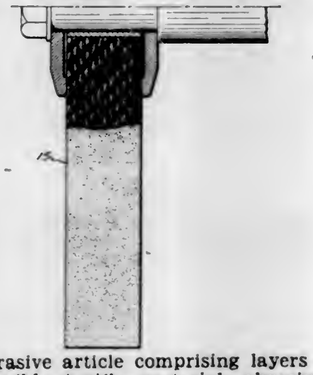
Application October 25, 1935, Serial No. 46,829

4 Claims. (Cl. 51—190)



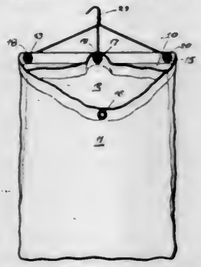
1. An abrasive wheel comprising a spirally wound web of open mesh leno impregnated with bond and abrasive grain, the wheel being cylindrical in shape, some abrasive grain existing in the plane of the leno.

2,078,437
ABRASIVE WHEEL
Harry O. Anderson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application October 25, 1935, Serial No. 46,830
1 Claim. (Cl. 51—193)



An abrasive article comprising layers of open mesh flexible textile material, abrasive grain stuck to the material with an artificial resinous bond, and a soft rubber matrix uniting the said layers and the abrasive grain into an integral whole.

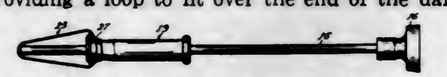
2,078,438
DETACHABLY SUSPENDED BAG
Howard F. Baxter, Grand Rapids, Mich., assignor to Baxter Laundries Corporation, Grand Rapids, Mich., a corporation of Michigan
Application May 14, 1936, Serial No. 79,721
1 Claim. (Cl. 150—1)



A bag and suspending means for detachably suspending the bag therefrom, said bag having a wall disposed intermediate its outer walls to provide dual compartments therein, and means for detachably suspending an outer wall of the bag from the suspending means at spaced points adjacent its upper end and for detachably securing the intermediate wall of the bag to the suspending means adjacent its upper end whereby both mouths of the dual compartment bag are maintained open for the reception of articles within either selected compartment.

2,078,439
TOY AND APPARATUS FOR MANUFACTURING THE SAME
John W. Blackledge, Chicago, Ill.
Application June 25, 1934, Serial No. 732,208
5 Claims. (Cl. 124—2)

1. In a dart projecting toy, a tube having a forwardly-facing shoulder extending therearound, a dart carried in the tube, and means for projecting the dart from the tube, said means including a rubber band apertured to fit around the end of said tube, positioned in back of said shoulder and providing a loop to fit over the end of the dart

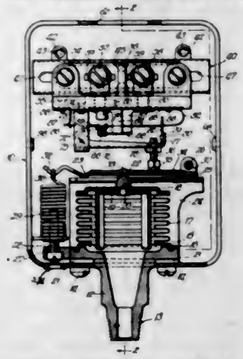


in an oppositely positioned imperforate portion of the band.

2,078,440
SALTS OF 5-PYRAZOLONE-4-AMINO-METHYL-SULPHONIC ACIDS
Max Bockmühl and Leonhard Stein, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 28, 1935, Serial No. 8,780. In Germany March 3, 1934
6 Claims. (Cl. 260—26)

1. The salts of 5-pyrazolone-4-amino-methyl-sulphonic acids with organic bases containing at least one cyclic nitrogen atom, said salts showing valuable therapeutic properties.

2,078,441
LIMIT SWITCH
Oscar F. Carlson, Chicago, Ill., assignor to Oscar F. Carlson Company, Chicago, Ill., a corporation of Illinois
Application November 16, 1935, Serial No. 50,131
15 Claims. (Cl. 200—83)

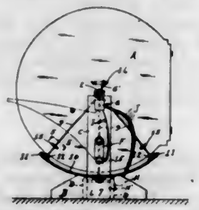


1. A control switch comprising a housing, a pressure responsive element therein, means for introducing fluid under pressure into the interior of said element, a pair of spaced contacts, a contactor normally bridging between said contacts, means comprising a pair of spaced levers extending parallel to each other and to said contactor and pivoted at opposite ends, one of said levers being actuated by said element to actuate the other of said levers in the opposite direction for snapping said contactor out of engagement with said contacts, said contactor having limited longitudinal movement to provide a wiping action across said contacts upon disengagement therefrom, and means for varying the amount of movement imparted by said one lever to said other lever upon unit movement of said one lever.

2,078,442
SOLVENT REFINING OF MINERAL OIL
Louis A. Clarke, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 29, 1935, Serial No. 38,406
2 Claims. (Cl. 196—13)

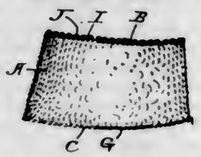
1. The method of separating hydrocarbon oil containing high viscosity and low viscosity index constituents into fractions respectively rich in high viscosity index and low viscosity index constituents, which comprises mixing the oil with a solvent selected from the group consisting of methoxy methyl acetate, ethoxy methyl acetate, beta methoxy ethyl acetate, and beta ethoxy ethyl acetate, forming an extract phase containing low viscosity index constituents dissolved in the solvent liquid, and a raffinate phase comprising relatively high viscosity index constituents, and separating the two phases.

2,078,443
OSCILLATING DEVICE FOR EGG CONTAINERS
Benjamin H. Clem, New Madison, Ohio, assignor of forty-nine per cent to The J. A. Flaig Lumber Co., New Madison, Ohio, a corporation of Ohio
Application March 13, 1935, Serial No. 10,875
2 Claims. (Cl. 99—242)



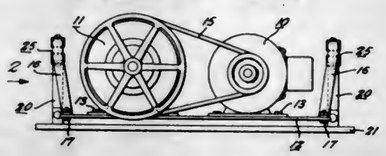
1. In combination with an egg container positioned around a shaft, an arc-shaped channel member positioned concentrically with relation to said shaft, a removable collar surrounding said shaft, radial members secured at their lower ends to said channel member and secured at their upper ends to said collar, a chain secured at its ends to two of the radial members and extending from end to end of the channel member and on the under side thereof, and means for imparting oscillating movements to all of said members.

2,078,444
SHOE PROTECTOR
Fern-Dell Gamble, Los Angeles, Calif.
Application April 25, 1936, Serial No. 76,423
3 Claims. (Cl. 36—72)



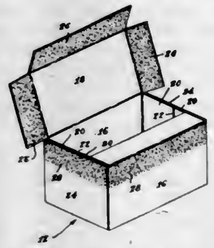
1. A shoe protector, consisting of a band of elastic material having one end open and its opposite end partly closed to form heel and sole openings, said band being adapted to be stretched around the shoe on either foot of the user from toe to heel, leaving the lower surface of the sole and the lower end of the heel exposed through said openings, the closed portion of the band being positioned so as to form a resilient retaining connection between the opposite side portions of the band below the shank of the shoe, and said band having a resilient lower selvedge edge cooperating with said retaining connection to hold the band on the shoe with its lower edge projecting inwardly and engaging below the lower marginal surface of the sole of the shoe.

2,078,445
RESILIENT SUSPENSION FOR MECHANICAL UNITS
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 3, 1934, Serial No. 738,180
3 Claims. (Cl. 248—22)



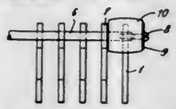
3. In combination, a horizontally disposed oscillatable elongated base, an electric motor mounted upon said base adjacent one end thereof, a compressor unit driven by said motor and mounted upon said base adjacent the other end thereof, said motor and compressor each having a main shaft extending transversely of said elongated base, said base having an upright mounting standard at each opposed end thereof located beyond said motor and compressor respectively, and two resilient vibration-cushioning mounts connecting said two standards to adjacent stationary supports respectively, the line connecting the centers of said two cushioning mounts extending transversely across but above the motor and compressor main shafts, whereby the suspension is rendered more stable.

2,078,446
SELF-SEALING BOX BLANK
Arthur M. Grigg, East Braintree, Mass., assignor of one-half to Ernest W. Parker, Dorchester, Mass., and one-sixth to Albert A. Cruickshank, Milton, Mass.
Application July 21, 1932, Serial No. 623,722
4 Claims. (Cl. 229—33)



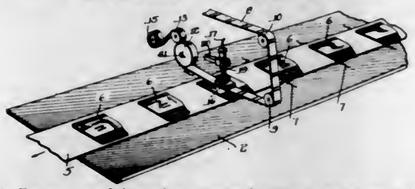
1. A foldable self-sealing box blank of relatively stiff fibrous sheet material scored along straight lines about which the blank can be folded to provide different sections on opposite sides thereof, and thin film precoatings of rubber deposited on surface portions of said sections from a water emulsion of rubber in which the integrity of the rubber in the emulsion is preserved in the said rubber deposited therefrom on said portions, said portions on different sections being adapted to be brought into face to face surface contact with each other in the folding of the blank on said lines to form a box and said precoatings being normally non-adherent to non-coated and unlike surfaces but adapted to cohere tenaciously when pressed into contact with each other and to retain such cohering property for a substantial period of time while exposed to the air in storage.

2,078,447
VARIABLE CONDENSER
Wolfgang Gründler, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 7, 1935, Serial No. 5,332
In Germany February 8, 1934
3 Claims. (Cl. 175—41.5)



1. A variable condenser comprising a plurality of parallel plates, a tie rod secured to said plates except the end one of said plates near their outer edges, a member formed of resilient material mounted on said tie rod and means for compressing said member into engagement with the end one of said plates whereby vibrations of said end plate are damped by said member.

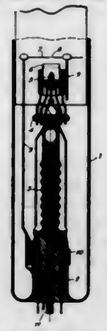
2,078,448
MACHINE FOR MARKING HOSIERY OR OTHER ARTICLES
Gustave Frank. Jost, St. Joseph, Mich.
Application September 18, 1935, Serial No. 41,087
27 Claims. (Cl. 101—43)



1. In a machine for transferring wax or other impressions from sheet material to stockings or other articles or goods, the combination of means forming a table extending horizontally and longitudinally of the machine, supported independently on the floor and forming the main body portion of the machine, of a height and width convenient for use by workers at each side thereof, conveying means for receiving and moving the goods or articles lengthwise of said table along a predetermined path thereon, in predetermined spaced relation, feeding means for feeding the transfers transversely of said predetermined path, above the goods or articles to be marked, in predetermined spaced and timed relation to said spacing of the articles, an intermittently operated presser plate toward which the said spaced articles are fed by said conveyer means, for subjecting each successive transfer to downward pressure against the article to be marked, while the article is supported against the pressure and in marking position by the flat top surface of said table, and cooperating instrumentalities whereby the conveying means and the transfer feeding means are stationary each time the presser plate is operated.

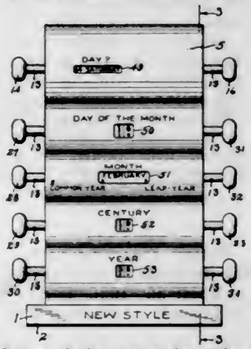
2,078,449
BRAUN CATHODE-RAY TUBE
Max Knoll, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 6, 1934, Serial No. 714,262
In Germany March 11, 1933
3 Claims. (Cl. 250—27.5)

2. A Braun cathode-ray tube comprising a cathode, a cooperating electrode provided with an aperture, and means for aligning the cathode with the electrode aperture, said means comprising a stem having a relatively rigid portion which supports one of said electrodes and a flexible portion which supports the other of said electrodes,



and a member attached to the flexible portion and extending through the stem for adjusting said portion with respect to the rigid portion to said position that the cathode and the electrode aperture will be in alignment.

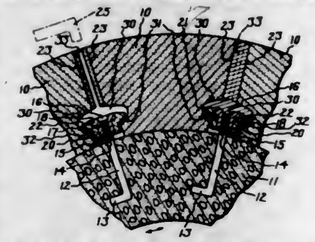
2,078,450
PERPETUAL CALENDAR
Johan Karel Zeppenfeldt Lampe, Oranjestad, Aruba, Dutch West Indies
Application January 16, 1936, Serial No. 59,381
7 Claims. (Cl. 40—111)



1. A machine of the type described comprising a casing having five display windows therein, drums mounted in said casing opposite the respective windows, tables mounted on said drums containing numbers and day and month names to be displayed in the windows, means for indexing the drums, means for effecting rotation thereof, said machine including five windows on the opposite side thereof, one of said drums being common to one window on each side of the casing, and four additional drums journalled in the casing opposite the other four windows, whereby the day name of any date, either new style or old style, may be found from 45 B. C. to 21,000 A. D.

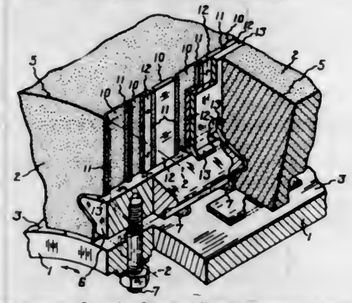
2,078,451
PULPSTONE
Thure Larsson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 6, 1935, Serial No. 53,228
2 Claims. (Cl. 51—207)

2. A pulpstone comprising a center portion, bolts attached to the center portion and extending radially, segmental abrasive blocks located around the center portion with cracks between them extending in the planes of the axes of the



bolts, wedge blocks having holes therethrough for the bolts, and rotatable nuts fitting in the wedge blocks and fitting the threads of the bolts.

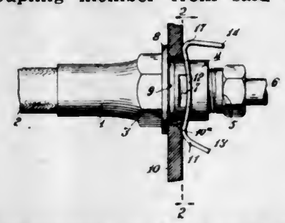
2,078,452
PULPSTONE AND FILLER FOR THE SAME
Thure Larsson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 12, 1935, Serial No. 54,110
1 Claim. (Cl. 51—206)



A segmental grinding wheel comprising a center portion, a series of abrasive segments whose angular displacement is nearly but not quite great enough to extend all the way around the center portion, thus providing for crevices between the segments, means holding the segments to the center portion to leave crevices between adjacent segments, a plurality of ridges integral with and extending from a segment at each crevice, and a filler in each crevice flush with the plane of one segment and contacting the ridges on the other side of the crevice and terminating substantially at the plane of the ridges, whereby the filler will be compressed by the ridges in the event of expansion of the wheel.

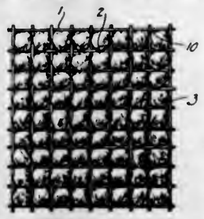
2,078,453
MOUNTING FOR HOSE COUPLINGS
William Henry Miller, Royal Oak, Mich., assignor to The Flex-O-Tube Co., Detroit, Mich., a copartnership
Application January 20, 1936, Serial No. 59,887
1 Claim. (Cl. 248—56)

The combination with two separable members of a tube coupling, of a supporting plate provided with an opening through which one of said coupling members projects, a stop formation on said member engaged with one face of said plate for limiting movement of said member relatively to said plate in one direction, a formation on the said coupling member opposed to and spaced from the other face of said plate, and disposed adjacent one end of said coupling member, a companion coupling member detachably engaged with the last-mentioned end of the first-named coupling member and a key member comprising a substantially U-shaped plate engaged with said supporting plate and equipped with a slot extending from a point in the middle portion contiguous to one of its flanges through a portion of its other flange, the end portion of the said slot disposed within the last-named flange being of dimensions permitting the end portion of the first-named coupling member from said formation



thereof to its extremity to pass through said flange when said companion coupling member is detached from said first-named member, the portion of said slot lying within the middle portion of said plate being of a width to engage said formation of said first-named member for preventing withdrawal thereof through said opening in said plate, said companion coupling member when attached to said first-named member cooperating with said slotted flange of said key member to prevent dis-engagement of the latter from said coupling.

2,078,454
SOUND ABSORBING AND HEAT INSULATING UNIT
John W. Morgan, Detroit, Mich., assignor to Zonolite Corporation of Michigan, Detroit, Mich., a corporation of Michigan
Application October 26, 1935, Serial No. 46,929
8 Claims. (Cl. 138—84)

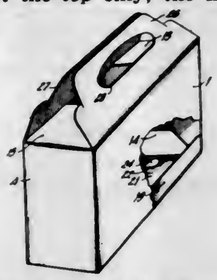


1. A duct comprising in combination a foraminated reinforcing member shaped in the form of a duct, a plaster coating applied to the outside of the said duct of a sound absorbing and heat insulating material, the said plaster projecting through the openings in the said reinforcement to form a plurality of spaced, finger-like projections on the inside of the said duct.

2,078,455
CARTON
William H. Peters, Castleton on Hudson, N. Y., assignor to Fort Orange Paper Company, Castleton on Hudson, N. Y., a corporation of New York
Application October 16, 1935, Serial No. 45,253
3 Claims. (Cl. 229—52)

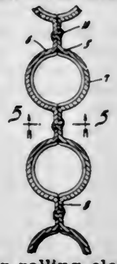
2. A carton of the character described comprising means forming the front, back and sides thereof, infolded flaps integral therewith forming closures for the top and bottom of said car-

ton; the two last-infolded flaps on the bottom being provided with interlocking means, and one of said last-infolded flaps being provided with a stiffening tuck, whereby the bottom of said carton is adapted to resist flexure and opening due to the contents load thereon when said carton is supported at the top only; the flaps associated



with the front and back of the box, respectively, at the top, being provided with cut-out portions adapting said flaps to form satchel-like handles for said carton, and having portions laterally spaced from the cut-out portion on one flap both underlying and overlying portions laterally spaced from the cut-out portion on the other flap to maintain said flaps infolded.

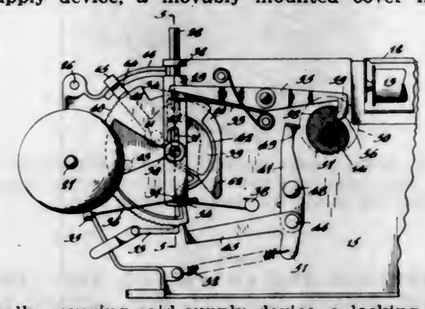
2,078,456
ANTIFRICTION BEARING
Thomas C. Pew, Ann Arbor, Mich., assignor to Hoover Steel Ball Company, Ann Arbor, Mich., a corporation of Michigan
Application June 23, 1936, Serial No. 86,829
8 Claims. (Cl. 308—201)



1. A retainer for rolling elements of an antifriction bearing comprising, two retainer halves of the same structure, each having alternate abutment portions and holding portions and arranged to fit together with the abutment portions lying against each other and with the holding portions aligned to receive and hold the rolling elements, each abutment portion of each retainer half having a part struck out therefrom to provide a lug and to leave an aperture, the lugs on one retainer half being positioned in the apertures of the other retainer half and the end parts of the lugs being fashioned over to unite the retainer halves.

2,078,457
CARBON INDICATOR FOR WRITING MACHINES
William A. Pringle, Niagara Falls, N. Y., and Charles J. Manuel, Dover, N. H., assignors to American Sales Book Company, Niagara Falls, N. Y., a corporation of Delaware
Application May 10, 1935, Serial No. 20,849
25 Claims. (Cl. 282—1)

12. In a record machine, in combination, strip feeding mechanism, a signal, signal operating means controlled by said feeding mechanism for operating said signal to give an indication only after a predetermined number of strip feeding cycles of said feeding mechanism, means for resetting said signal operating means into position in which signal indication is not given by operation of the feeding mechanism, a transfer strip supply device, a movably mounted cover nor-



mally covering said supply device, a locking bar for said resetting device, operating connections between said cover and said locking bar for locking and releasing said resetting device, and a reset gauge for controlling the resetting of said signal operating means to vary said predetermined number of feed cycles before signal operation.

2,078,458
MOTHPROOFING COMPOSITIONS OF MATTER
Theron P. Remy, Los Angeles, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 23, 1934, Serial No. 732,117
6 Claims. (Cl. 167—37)

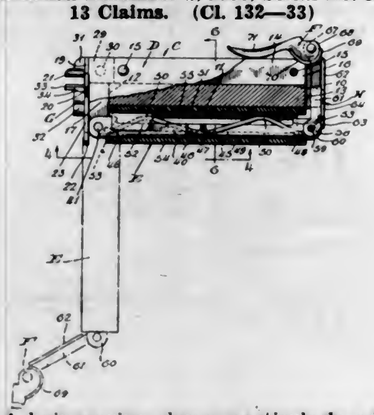
1. A mothproofing reagent comprising aluminum naphthenate and a solvent for the aluminum naphthenate.

2,078,459
COMBINED TELEVISION AND AUDIO BROADCASTING
Fritz Schröter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 5, 1928, Serial No. 323,837
In Germany December 12, 1927
1 Claim. (Cl. 178—6)



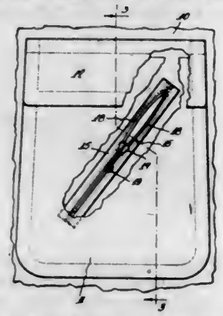
Apparatus for the simultaneous transmission of television and related and synchronized sound, which comprises, in connection with a moving picture record having a series of pictures taken at uniformly spaced time intervals and a continuous record of a related sound accompaniment forming a separate part of the record, means for producing an electrical current, means for modulating said electrical current in accordance with varying light intensities caused by scanning the picture portion of said motion picture film record to transmit television, and means for modulating said current in accordance with the recorded and related sound to produce an accompanying sound signal.

2,078,460
HAIR WAVING CLAMP
Otto Selter, Forest Hills West, N. Y., assignor to The Nestle-Lemur Company, New York, N. Y., a corporation of Ohio
Application December 2, 1935, Serial No. 52,520
13 Claims. (Cl. 132—33)



1. A hair waving clamp, particularly adapted for Croquignole waving, comprising a base, a clamping arm pivotally mounted thereon, bearing means for a curling rod mounted on said base, a detent for a curling rod mounted on said base and a latch connected to said arm for locking said arm against said base, said base being molded of bakelite or a similar plastic, and being slotted on its face opposite said arm to receive a metallic reinforcing rib.

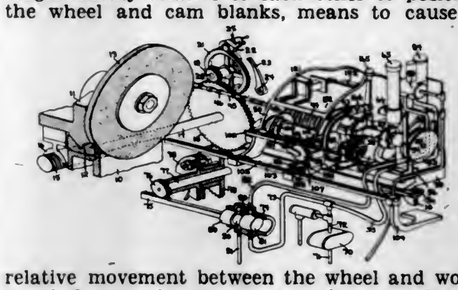
2,078,461
COAT
Joseph Siegel, New York, N. Y.
Application March 18, 1936, Serial No. 69,465
12 Claims. (Cl. 2—93)



1. As a new article of manufacture, a coat having an open topped pocket and a slit in the coat providing access through the coat without opening the latter, a metallic seam comprising sets of interengaging teeth disposed at opposite sides of the slit and a slide member for engaging or disengaging the teeth, said slit being arranged within and concealed by the pocket of the coat.

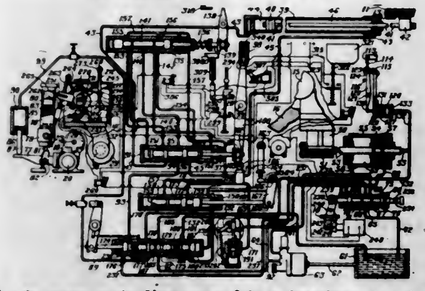
2,078,462
CAM GRINDING MACHINE
Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 27, 1935, Serial No. 13,289
19 Claims. (Cl. 51—101)

1. A cam grinding machine comprising a rotatable grinding wheel and a rotatable work support which are movable longitudinally and transversely relative to each other to successively grind a plurality of cams on an integral camshaft, means to cause a relative transverse movement between said wheel and work support to grind successive cams to a predetermined size, means to traverse said work support and wheel longitudinally relative to each other to position the wheel and cam blanks, means to cause a



relative movement between the wheel and work to grind successive cams to a predetermined contour, mechanism to separate the grinding wheel and camshaft, and a timing mechanism actuated in timed relation with the rotation of the work support automatically to actuate said mechanism to separate the wheel and cam being ground when a predetermined point of the cam is in engagement with the wheel after a predetermined grinding operation has been completed.

2,078,463
CAM GRINDING MACHINE
Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application August 14, 1936, Serial No. 96,077
19 Claims. (Cl. 51—101)



1. A cam grinding machine having a wheel slide, a work table and a rock bar each of which is operated by a separate fluid motor, a main control valve in control of the work table and rock bar motors, a second control valve in control of said wheel slide motor and main control valve, and a control mechanism operated in timed relation with the rotation of said work to actuate said second valve.

2,078,464
HOSE GRIP
Bruce N. Smith, Seattle, Wash.
Application March 4, 1936, Serial No. 67,098
2 Claims. (Cl. 24—259)

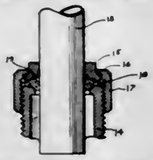
1. In a hose gripping device, a supported free section adapted to form one member of the hose grip and receive a folded-over margin of the hose, and a resilient loop forming the positive member of the hose grip and comprising a spring bight

adapted to circumferentially grip the folded margin of the hose about said free section, and said loop having an inner limb of smooth and unbroken surface adapted to be disposed inside the hose and an outer limb of smooth and unbroken sur-



face disposed outside the hose and said limbs being tensioned to press against each other in flat relation along the interposed hose to frictionally stabilize the position of said loop, and contract the bight about the folded margin.

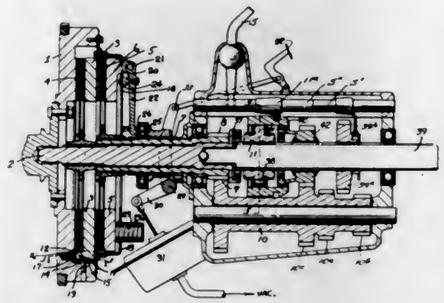
2,078,465
JOINT FOR CIRCULATORS
Joseph A. Smith, Cleveland, Ohio, assignor to The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio
Application April 1, 1933, Serial No. 663,995
1 Claim. (Cl. 285—122)



In combination, a tube; and a coupling for the tube, said coupling including a threaded nipple for receiving the tube, a pliable metallic gasket ring encircling said tube and engaging the end of the nipple, said ring being wedge shape in cross section with the wide base of the wedge facing said tube, a gasket compressing collar encircling said tube and having a face sloping substantially coincident with the angular side face of the gasket ring and having an annular ridge on said face, said annular ridge being located relatively closely adjacent the inner periphery of said sloping face of said collar, and a coupling sleeve threaded for cooperation with the nipple and having a shoulder engaging said collar for impinging the gasket ring between the collar and nipple and for causing the ridge to be forced into the material of the ring near its inner edge to spread such ring radially inwardly to seal the ring with the tube.

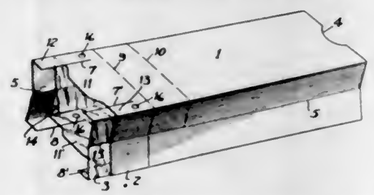
2,078,466
AUTOMATIC SPEED CHANGE CLUTCH AND TRANSMISSION
Charles F. Stauffer, Oak Park, and Simeon Budlong, Chicago, Ill.
Application February 13, 1933, Serial No. 656,426
14 Claims. (Cl. 192—48)

1. A multiple speed clutch mechanism comprising a driving member, a high speed clutch having driven connection with said driving member, a low speed clutch driven by said high speed clutch, means normally imparting closing movement to the low speed clutch, the driven connection between the driving member and the high speed clutch including a camming means which delivers drive to one member of the high speed clutch and normally tends to cam it in the direction to open said clutch, the low speed clutch



standing in driven relation to said cammed member and thereby transmitting torque resistance thereto sufficient to cause the camming action, and said cammed member being also under closing pressure transmitted from the low speed clutch whereby it is caused to close and cause drive to be transmitted through the high speed clutch when torque resistance falls sufficiently to permit said closing pressure to overcome said camming action.

2,078,467
SIFTPROOF BAG
Albert J. Sterling, Brooklyn, N. Y.
Application July 2, 1932, Serial No. 620,567
15 Claims. (Cl. 229—59)



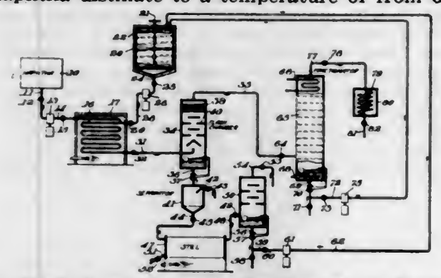
4. A bag having a square bottom; equal flaps on two opposed sides of said bottom; unequal flaps on the other opposed sides, the shorter of said unequal flaps being folded under the longer of said unequal flaps and said equal flaps being folded over the unequal flaps.

12. A multi-ply bag, slit and scored for the formation of a square bottom, and being perforated at points intermediate each slit and the adjacent bag side.

2,078,468
TREATING HYDROCARBON OILS
William M. Stratford, New York, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 16, 1932, Serial No. 642,861
5 Claims. (Cl. 196—35)

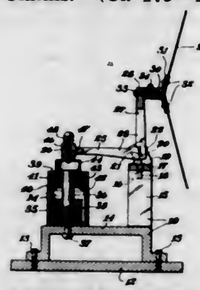
3. In the refining of a cracked naphtha distillate, the step which includes heating the cracked

naphtha distillate to a temperature of from 800



to 1000° F. in the presence of a finely divided alkali metal polymerizing catalyst.

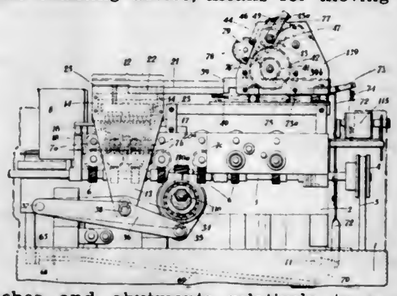
2,078,469
LOUDSPEAKER
Adolph A. Thomas, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 15, 1928, Serial No. 306,172
Renewed November 20, 1935
24 Claims. (Cl. 179—115.5)



20. In an electromagnetic sound reproducer the combination of a magnet including means for the energizing thereof by direct current, an air gap in the magnetic circuit of said magnet, a dynamic coil adapted to be energized with sound representing current operatively located in said air gap, a second coil associated with said magnetic system connected in opposing series with said dynamic coil, and a magnetic shield substantially isolating said second coil from stray fields of said magnetic system extraneous to said gap not effective on said dynamic coil.

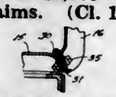
2,078,470
MACHINES FOR MAKING RECORDS ON STATISTICAL CARDS
Arthur Thomas, Wallington, England, assignor to Powers Accounting Machines Limited, London, England
Application March 4, 1935, Serial No. 9,263
In Great Britain March 3, 1934
10 Claims. (Cl. 164—114)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. A machine for making records on statistical cards comprising a plurality of denominational columns of punches, means for feeding cards into operative relation with said punches, a plurality of denominational setting slides, one for each column of punches, an abutment on each setting slide, a units counting device, means for advancing said counting device by one unit each time a card is fed into operative relation with the punches, an operative connection between each denominational element of said counter and the corresponding setting slide, said connection including a rack and a gear wheel, whereby the abutment on each denominational setting slide is operatively positioned with respect to that punch in the respective denominational column of punches which corresponds to the digit registered on the respective denominational element of the counting device, means for moving said



punches and abutments relatively to a card whereby a punch with respect to which an abutment has been operatively positioned is forced through the card while the remaining punches rest on the card, and means for automatically returning each slide to zero position during the next operation of the units counter following the arrival of said slide at the nine position.

2,078,471
STOVE CONSTRUCTION
Albert H. Tinnerman, Cleveland, Ohio
Original application January 9, 1935, Serial No. 1,009. Divided and this application November 4, 1935, Serial No. 48,173
3 Claims. (Cl. 189—36)



1. In a joint structure comprising panels or the like having flanges disposed in superposed relation, the combination of a metallic spacer interposed between said panels, said spacer including spaced tongues against which the flanges of the panels are seated, and fastening means applied between said spaced tongues and connecting said flanges to secure the panels in assembled relation, whereby a relatively yieldable joint is provided to compensate for manufacturing variations and strains set up in the assembly or incident to use of the structure.

2,078,472
LUBRICATING OIL
Charles C. Towne, Poughkeepsie, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 3, 1934, Serial No. 738,294
8 Claims. (Cl. 87—9)

1. A lubricating oil of improved character comprising a petroleum lubricating oil admixed with a minor proportion of a synthetic resinous product consisting essentially of a reaction product of rubber with a compound selected from the group consisting of halides of tin and boron, and halogen acids of tin and boron.

2,078,473
BUSHING MATERIAL
John C. Truemper, Indianapolis, Ind.
Application March 20, 1936, Serial No. 69,893
6 Claims. (Cl. 85—2.4)

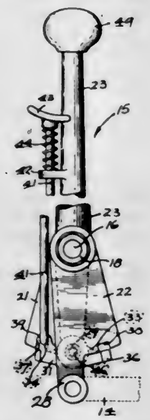
1. A bushing for openings adapted to receive a wedging member such as a screw comprising a

web of relatively narrow elongated strips of flexible material of relatively high tensile strength and substantially void of elasticity, fragilely held together at their edges and rolled upon itself into a multilayer roll having a center opening con-



siderably smaller in diameter than the diameter of the wedging member for insertion into the opening to be bushed, said strips being adapted to radially separate upon the insertion of the wedging member into the rolled cylinder.

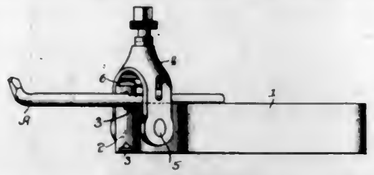
2,078,474
TRANSMISSION SHIFTING MECHANISM
Howard S. Watson, San Francisco, Calif.
Application October 29, 1935, Serial No. 47,230
4 Claims. (Cl. 74—475)



1. In a shifting device for change speed mechanisms, the combination with movable elements connected to the change speed mechanism, of a support, a shift lever journalled on said support at a point spaced from both ends of said lever and to be rockable only in one plane, arms journalled on said support, one arm on each side of said lever, so that said arms are rockable in planes parallel with the rocking of said lever, the free end of each arm being connected to one of said movable elements, means on the portion of the lever between said arms being rockable in the plane of the rocking of the lever but substantially at right angles to the fulcrum of the lever to selectively connect one of said arms to said lever, and a mechanism carried by said lever whereby said connecting means can be rocked.

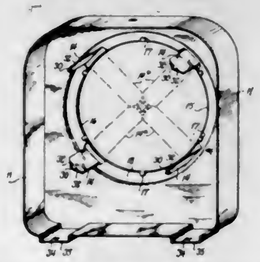
2,078,475
TOOL HOLDER
Sebastian J. Welter, Chicago, Ill., assignor to Armstrong Bros. Tool Co., Chicago, Ill., a corporation of Illinois
Application December 7, 1934, Serial No. 756,392
1 Claim. (Cl. 29—99)

A tool-holder comprising an elongated body portion having longitudinal grooves respectively in opposite sides, each groove being adapted to receive a tool and to engage one side of the tool with spaced contact, a yoke pivoted thereto for swinging movement selectively into cooperative relation with one or the other of said grooves and having longitudinal slots in its legs, a clamping block lying within the yoke and disposed opposite to the body portion to clamp the tool against the body portion in either one of said grooves said block having an elongated groove facing said body portion and adapted to receive said tool and to engage the other side of said tool with spaced contact and having a transverse bore, a single



removable pin extending through said bore and projecting at its opposite ends into said slots respectively, to connect the block to the yoke, and removable to disconnect the block from the yoke, and a screw having a screw-thread engagement with said yoke and adapted to bear against the block to clamp the tool securely against the body portion with full centering and substantially equal bearing engagement in interposed relation between said last mentioned groove and either one of said first mentioned grooves.

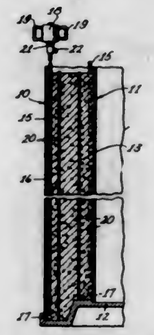
2,078,476
TIMEPIECE CONSTRUCTION
Richard H. Whitehead, New Haven, Conn., assignor to The New Haven Clock Company, New Haven, Conn., a corporation of Connecticut
Application September 28, 1936, Serial No. 102,823
5 Claims. (Cl. 58—53)



5. A timepiece construction comprising: a sheet-metal case-body having a dial-opening cut therein, and a plurality of spaced arms integral with said case-body and formed from the metal originally occupying said dial-opening; a movement-unit located centrally of said dial-opening by said arms; and a back-plate supported on and secured to said arms.

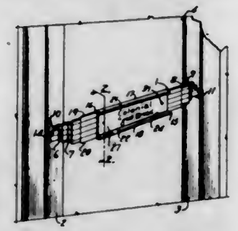
2,078,477
MEANS FOR MAKING CONCRETE STRUCTURES IN FORMS
William A. Whiting, Southgate, Calif., assignor to American Concrete and Steel Pipe Company, a corporation of Delaware
Application May 22, 1936, Serial No. 81,215
4 Claims. (Cl. 25—1)

1. A device for producing a smooth dense surface on concrete deposited against forms comprising: a flexible rod; projections on said rod at one side thereof; a ball on the lower end of the rod;



and means for rotating said rod on its longitudinal axis in the concrete adjacent the form.

2,078,478
COMBINATION PUSH BAR AND SIGN SUPPORT
Charles Allen, Kansas City, Mo., assignor to Campbell Taggart Associated Bakeries, Inc., Kansas City, Mo., a corporation of Delaware
Application October 5, 1936, Serial No. 103,971
4 Claims. (Cl. 40—125)

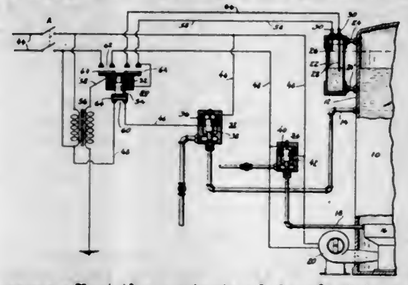


4. In combination with a push bar having offset ends and a sign to be carried thereby, means for securing the sign to the bar including a plate fixed to the rear face of the bar having side edges rolled forwardly in overlapping relation to the front face of the bar to form tracks for guidingly receiving the sign substantially in contact with the front face of said bar and for covering the side edges of said sign, said sign and plate cooperating to enhance rigidity of said bar, and means for fixing said sign, bar and plate relative to each other to maintain the sign in position.

2,078,479
WATER CONTROL FOR BOILERS
John E. Briggs, Detroit, Mich.
Application February 6, 1935, Serial No. 5,268
16 Claims. (Cl. 122—448)

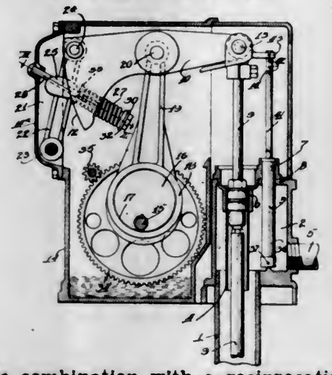
1. In an automatic electric controller for controlling the operation of a boiler having a water inlet and an apparatus for producing heat, electric means for controlling the delivery of water through said inlet into the boiler, electric means for controlling said heating apparatus, electric means for controlling said heat and water control means associated with said boiler and provided with contacts adapted to be electrically affected by different water levels in the boiler, all of said electric control means having the circuits

opened and closed by a single movable element in accordance with the water levels in the boiler as



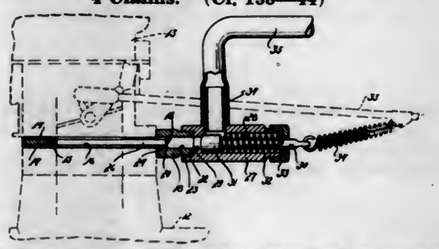
the same affect the contacts of the electric means associated with the boiler.

2,078,480
DEEP WELL PUMP
Arthur W. Burks, Decatur, Ill.
Application December 23, 1935, Serial No. 55,697
9 Claims. (Cl. 74—41)



1. The combination with a reciprocating rod, of a walking beam having a pivotal connection with said rod, said walking beam having a rear arcuate end struck from said pivotal connection as a center, a casing in abutting relation with said arcuate end, yielding means for maintaining said abutting relation between said arcuate end and casing including a radius link pivoted to said casing and to the rear end of said walking beam, and means for operating said walking beam.

2,078,481
AUXILIARY AIR INLET
Philip Chanavier, River Rouge, Mich.
Application February 26, 1936, Serial No. 65,819
4 Claims. (Cl. 138—44)



1. In a device of the class described, a pair of outer plates, each engaging opposite faces of an

inner plate, each of said plates having an opening formed therein, said openings registering with each other and being adapted for communicating with an intake manifold with which used, said inner plate having a slot projecting inwardly from one edge and communicating with the opening formed therein, said outer plates covering said slot to form therewith a passage; and a holder having a groove formed in one of its faces for reception of one of the edges of said plates, said holder having a passage formed therein communicating with the slot formed in said inner plate.

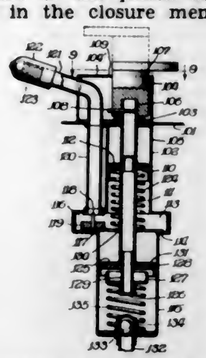
2,078,482
BOTTOM HOLE INTERMITTER
William L. Clark, Oklahoma City, Okla., assignor to Clark Bottom Hole Intermitter Company, a corporation of Oklahoma
Application October 5, 1935, Serial No. 43,796
7 Claims. (Cl. 103—234)



1. In a well flowing apparatus including the well tubing, means forming a well fluid collecting chamber having a well fluid inlet, an outlet and a vent port, packing means connected with the well tubing below the outlet and vent port to form a reservoir and flow chamber having connection with said collecting chamber through the outlet, valve means for controlling the well fluid inlet, means for admitting a fluid pressure medium to the collecting chamber to effect flow of well fluid into the reservoir and toward the top of the well, a check valve preventing back flow of well fluid from the reservoir to the collecting chamber, a spring loaded valve for controlling flow of pressure medium, and a gravity valve controlling the vent port and adapted to unseat incidental to closure of the spring loaded valve for venting the collecting chamber to the reservoir.

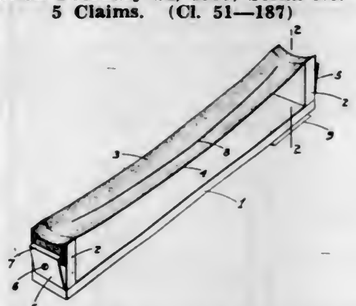
2,078,483
PUMP CONSTRUCTION
Andre de Weal, Franz K. Krag, and Charles A. Anderson, Chicago, Ill.; said Krag and said Anderson assignors to said de Weal
Application January 19, 1934, Serial No. 707,330
2 Claims. (Cl. 221—103)

1. In a pump construction, a closure member having an opening therein, a pump rod extending through the opening, a cylinder secured to the closure member below the opening, a piston on the pump rod in the cylinder, a packing on the upper face of the piston adapted to seal the opening in the closure member with the



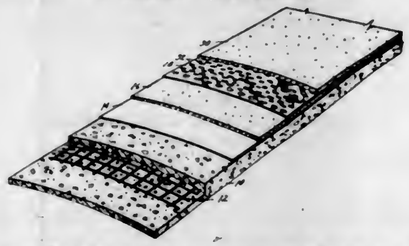
piston in its upper position, and means for locking the piston in its upper position.

2,078,484
EGG CLEANER
Smith W. Dobson, Stockton, Calif.
Application February 24, 1936, Serial No. 65,469
5 Claims. (Cl. 51—187)



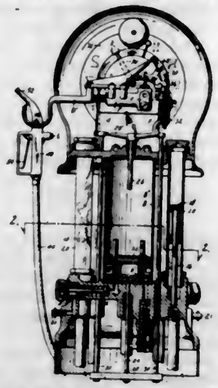
4. An egg cleaner comprising a relatively long strip of flexible material, an abrasive material on one face of the strip, and spaced elements supporting the flexible strip in suspended relation between its ends, said elements being arranged so that the strip as suspended is concave from side to side.

2,078,485
COMPOSITE HIGHWAY BEAM CONSTRUCTION
Ansel W. Dunham, Rock Island, Ill.
Application February 15, 1934. Serial No. 711,373
1 Claim. (Cl. 94—8)



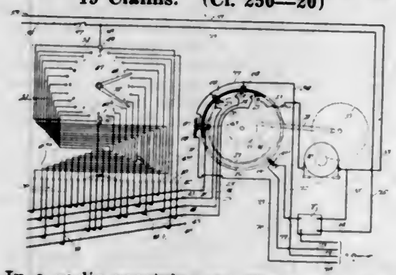
A roadway structure, comprising a lower or base layer of concrete, a tack or bonding course thereabove, an upper relatively thin asphalt course, and perforated metal plate embedded in the structure above the concrete and not directly bonded to the concrete, said plate composed of sections connected together by joints adapted to allow play to take care of expansion and contraction.

2,078,486
OIL DISPENSING APPARATUS
Ivan L. Eastman, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application September 5, 1933, Serial No. 688,119
Renewed July 5, 1935
37 Claims. (Cl. 221—103)



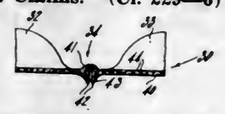
1. In a liquid dispensing apparatus, a storage tank, a dispensing mechanism, a dispensing nozzle and means for dispensing a quantity of liquid from said storage tank through said dispensing mechanism to said dispensing nozzle comprising a support for said dispensing nozzle and means operable by relieving said support of the weight of said nozzle to cause operation of said dispensing mechanism to cause said dispensing operation and to discharge compressed air through the dispensing mechanism and the dispensing nozzle at the completion of the dispensing operation.

2,078,487
AUTOMATIC SELECTOR FOR RADIO RECEIVING SETS AND LIKE DEVICES
John V. Fedor, McKees Rocks, Pa., assignor of one-half to Edward R. Walton, Jr., Washington, D. C.
Application August 27, 1929, Serial No. 388,713
19 Claims. (Cl. 250—20)



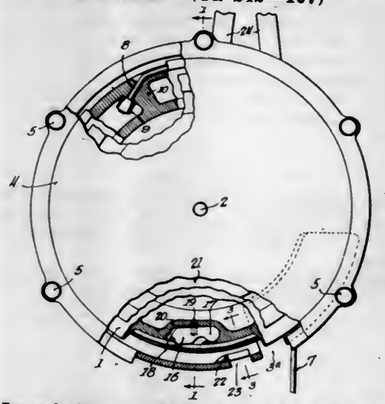
1. In a radio receiving set, the combination of a movable tuning means, a motor for actuating said tuning means, an electric circuit for causing the motor to operate, a station selector element actuated by the motor synchronously with the said tuning means and having contacts thereon and movable therewith included in said circuit, a time-control means in said circuit for rendering said motor effective for actuating said tuning means, and means in said circuit and with which said contacts cooperate to close said circuit and having an electrical gap therein over which one of said contacts may pass to break the circuit closed by the time-control means, for arresting the operation of the tuning means at predetermined points in its movement, whereby preselected stations are tuned in and out.

2,078,488
PROTECTIVE ARTICLE OF MANUFACTURE
Ralph A. Farnham, Herkimer, N. Y.
Application April 3, 1936, Serial No. 72,516
2 Claims. (Cl. 229—6)



1. A protective article of manufacture of substantially uniform thickness made of felted, fibrous material, comprising a plurality of sections of similar nature adapted to be separated from each other, the sections being defined on at least one edge by a weakened area in the article, said area comprising felted fibers forming a relatively thin layer of the same density as the sections extending between sections at one side of the article, and fibrous projections extending from the opposite side of the article along opposed edges of said weakened areas whereby partially to brace said article against bending stresses.

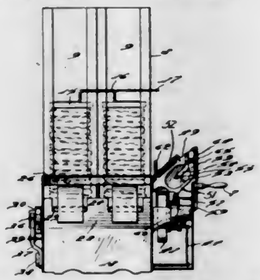
2,078,489
SAFETY STOP FOR BALANCERS
Frithiof P. Forss, Aurora, Ill., assignor to Independent Pneumatic Tool Co., Chicago, Ill., a corporation of Delaware
Application January 2, 1936, Serial No. 57,318
5 Claims. (Cl. 242—107)



1. In a balancer of the character described, a housing, a drum rotatably mounted in said housing, a cable windable on the drum, means for turning the drum in a direction to wind the cable thereon, said housing having an outlet opening for the cable, means connecting the inner end of the cable to the drum, said drum having an outwardly opening recess in its portion on which the cable winds and unwinds, said recess being located in advance of the connection of the inner end of the cable with the drum in the direction of rotation of the drum to unwind the cable, an abutment on the housing, a pawl carried by the drum in said recess, said cable winding over the pawl and the recess for normally holding the pawl in the recess when the cable is wound on the drum, and means for projecting the pawl out of the recess when released by the cable for engaging

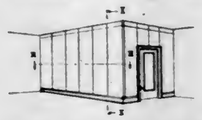
the abutment to stop the rotation of the drum before the cable is completely unwound from the drum to relieve the cable connection with the drum of undue strain.

2,078,490
MATCH VENDING MACHINE
John Fritsche and Joseph C. Hadik, Philadelphia, Pa.
Application May 19, 1933, Serial No. 671,838
3 Claims. (Cl. 312—63)



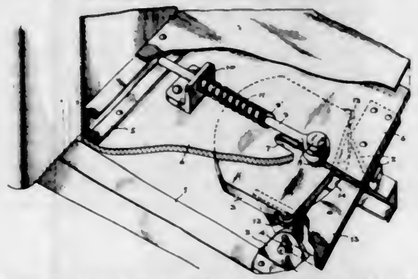
1. In a vending machine, a vending sheet metal housing having a delivery chute, an article carrier in the form of an open ended casing having at its bottom inturned article supporting flanges and having its front wall cut away at its lower end to form a delivery opening, a cabinet within which said housing and article carrier are disposed and having a delivery opening in registry with the delivery chute of the vending housing, said housing having at its upper end a rectangularly shaped portion to detachably receive said article carrier and provided with flanges and an angle bar on which the carrier rests, means to eject articles from the article carrier through its delivery opening, and means to guide an ejected article from the delivery opening of the article carrier to the delivery chute of the vending housing which leads to the delivery opening of the cabinet.

2,078,491
DEMOUNTABLE PARTITION CONSTRUCTION
Thomas R. Graham, Lakewood, Ohio, assignor to Eugene S. Lindemann, Shaker Heights, Ohio, trustee
Application December 13, 1935, Serial No. 54,318
13 Claims. (Cl. 72—46)



1. Partition construction comprising panel sections having on each face a facing-sheet, an air-spacing sheet spaced back thereof, sound-proof spacing strips at intervals between each facing-sheet and air-spacing sheet, combined edge-binding and spacing means for said sheets including a sheet-metal edge-strip having a portion to engage the edge of the facing sheet and a groove to engage the edge of the air-spacing sheet and an intrusive flange to engage between and a free groove back of and open in a reverse direction from the last-named groove, sheet-metal support-members having hollow flanges toward each panel section and engageable in the free groove of each edge-strip thereof, adjacent verticals being set back toward back, sound-insulating strips spanning between the hollows of the flanges of the adjacent verticals, similar sheet-metal support-members set as floor and ceiling strips, the floor strip receiving the projecting lower ends of the vertical support-members between its flanges with a sound-insulating cup interposed, means for locking a desired vertical support-member between the floor-strip and ceiling strip support-members, said means including a hanger-connector to hang on the upper end of such vertical support-member, slide telescoping jack channel members one engaging said hanger-connector and the other abutting the ceiling support-member between its flanges, and a screw-threaded thrust stem for forcing the channel members apart, and upper-filler facings extending between the upper edge binding strips and the ceiling support-member.

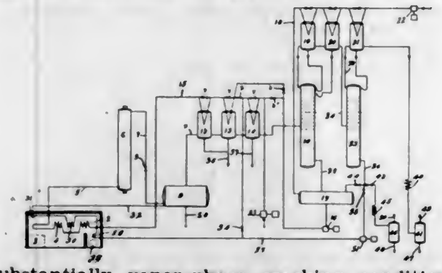
2,078,492
COMPENSATING DRAFT COUPLING FOR TRACTORS AND TRAILERS
William S. Gurton, Joseph Plint, and Herman Nyberg, Kitchener, Ontario, Canada, assignors to Dominion Truck Equipment Co. Limited, Kitchener, Ontario, Canada
Application January 29, 1936, Serial No. 61,298
In Canada February 25, 1935
9 Claims. (Cl. 280—33.1)



4. The combination with a tractor and trailer, of compensating draft means including a king pin therefor, said means presenting a displaceable turning pivot connection between said tractor and trailer and co-operative displacement control means for said pivot carried respectively by said tractor and trailer, means co-operative with said king pin for maintaining said control means normally out of co-operation when said units are travelling in a straight line and adapted to permit co-operation thereof only after one of said units has turned relative to the other a predetermined degree to effect the displacement of said turning connection and provide turning clearance for said units and whereby the compensating mechanism is normally relieved of wear and strain.

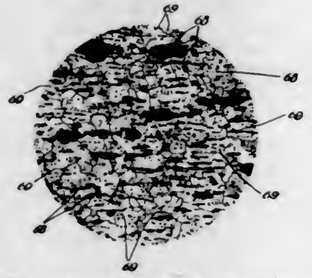
2,078,493
METHOD FOR CONVERTING HYDROCARBONS
John Stewart Harrison, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application December 2, 1930, Serial No. 499,507
8 Claims. (Cl. 196—60)

1. A process of altering the boiling point of hydrocarbons, which comprises heating a petroleum distillate under pressure, then digesting in a zone guarded against substantial heat-loss and being without temperature-rise from external heat and providing liquid-phase cracking conditions, releasing the material into a zone of lower pressure, heating another petroleum distillate at a higher temperature but lower pressure providing



substantially vapor-phase cracking conditions, and independently discharging into admixture in the same lower pressure zone aforesaid.

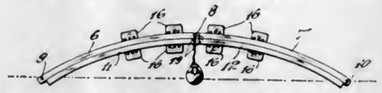
2,078,494
WROUGHT IRON AND METHOD
Charles Hart, Media, Pa., assignor of one-half to Martin J. Conway, Coatesville, Pa., and one-fourth to William Steell Jackson, Bala-Cynwyd, Pa.
Application April 28, 1934, Serial No. 722,981
12 Claims. (Cl. 75—47)



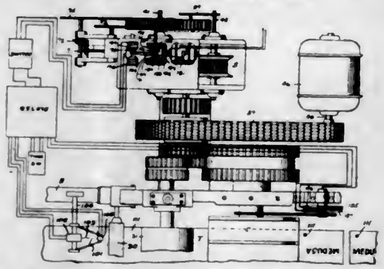
1. In the manufacture of wrought iron, the method which consists in removing manganese and silicon under quiescent acid conditions, in separating the manganese- and silicon-clearing slag, in introducing, into the iron, chromium and an alloying ingredient of the class comprising tungsten, manganese, nickel, copper, vanadium, titanium, cobalt and molybdenum and in boiling the iron due to oxidation of more than 1% of carbon in contact with puddling slag, containing sufficient chromium oxide to produce a muck bar having more than 0.05% of chromium as chromium oxide.

2,078,495
HANDBAG FRAME
William C. Hiering, Millburn Township, Essex County, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application November 15, 1935, Serial No. 49,891
2 Claims. (Cl. 150—42)

1. A hand bag frame, comprising a pair of arcuate frame members hingedly connected to each other and outwardly bowed, and a second pair of arcuate frame members hingedly connected to each other and inwardly bowed, said second pair of frame members being hingedly connected to the first pair of frame members, said second pair of frame members having substantially the same curvature as and fitting closely to the first pair of frame members when the frame is closed, each of said frame members being an outwardly opening channel with a side wall and top and bottom flanges, the side wall of the first frame member of an adjacent pair of frame members having an extension bent back upon itself to provide a bearing, and the side wall of the second frame member having a cut-out portion to receive said bearing, said second frame member having its side wall provided with an extension bent to form a smaller bearing in alignment with the first named bearing and a pivot pin extending through a flange of said second frame member and said bearings.



2,078,496
MACHINE FOR MAKING PAPER BAGS
Roy W. Jaite, Lakewood, Ohio
Application December 16, 1931, Serial No. 581,379
1 Claim. (Cl. 164—68)

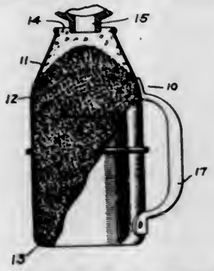


In a tubing machine for making tubular sections of equal length from elongated sheets of papers, driven draw rolls to pull continuous sheets of paper marked at definite places by printing and the tube formed therefrom through said machine, a driven rotary cutter for severing the formed tube into equal tube sections, a single power means for driving said draw rolls and said rotary cutter, an individually adjustable variable speed transmission to vary the speed of said draw rolls with respect to the speed of said rotary cutter, a non-reversible pilot motor for setting said variable speed transmission for a positional change in the cutter, reversible coupling means between said motor and said variable speed transmission and automatic means co-operating with the printed marks on said paper sheet and governing said reversible coupling means.

2,078,497
FOOD HANDLING APPARATUS
Herbert L. Johnston, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application June 25, 1934, Serial No. 732,227
2 Claims. (Cl. 220—1)

1. In food handling apparatus of the character described for receiving ground coffee from a coffee mill and adapted to discharge a substantially homogeneous intermixture of the chaff and ground bean, a combined recciver and dispenser comprising walls at least the upper part of which constitute a frusto-conical section terminating at its upper end in a combined receiving and discharge opening, the said receiver having a capacity which is coordinated with a predetermined quantity of ground coffee to be received therein such that it will be substantially filled by such

quantity, the slope of the inwardly tapering walls of the conical section and the size of the said opening being so chosen that when the receiver is filled with ground coffee and is inverted to discharge its contents, the latter will move outwardly



along and in sweeping contact with substantially all of the interior surface of the receiver to thereby dislodge and entrain chaff adhering thereto, whereby the discharged contents of the receiver comprise a substantially homogeneous intermixture of the chaff and ground coffee bean.

2,078,498
DENTIFRICE

Emil Klarmann, Bloomfield, and Louis W. Gates, Verona, N. J., assignors to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware

No Drawing. Application January 10, 1936, Serial No. 58,536

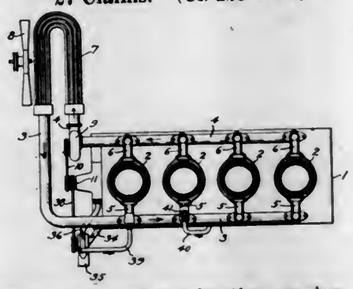
5 Claims. (Cl. 167—93)

5. A substantially non-abrasive dentifrice composition containing a substantially water-insoluble hydrated phosphate selected from the class consisting of substantially water-insoluble hydrated tri-magnesium phosphates and hexahydrated magnesium ammonium phosphate in finely divided form so as to act as a polishing and cleansing agent.

2,078,499
COOLING SYSTEM FOR INTERNAL COMBUSTION ENGINES

Fredrik Ljungström, Brevik, Lidingo, Sweden, assignor to Aktiebolaget Spontan, Stockholm, Sweden, a corporation of Sweden

Application February 4, 1931, Serial No. 513,335
In Sweden September 1, 1928
27 Claims. (Cl. 123—170)

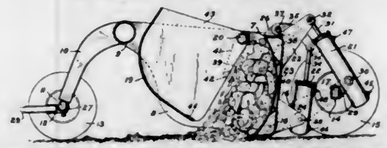


1. In an internal combustion engine, means providing a plurality of separate circuits for flow of oil including a circuit for cooling stationary parts of the engine and a circuit for lubricating the working parts of the engine, means for circulating oil in the cooling circuit, means for circulating oil in the lubricating circuit at a pressure above that in the cooling circuit, and means for supplying oil to the cooling circuit from the lubricating circuit.

2,078,500
ROAD SCRAPER

Earl B. Maloon, Milwaukee, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin

Application October 16, 1935, Serial No. 45,181
5 Claims. (Cl. 37—126)



1. In a road scraper, a transportable frame, a substantially upright blade having a lower scraping edge cooperable with the ground and being supported by said frame for substantially vertical movement toward and away from the ground, and a front apron pivotally suspended from said frame near the upper end of said blade and having a bottom swingable about the suspension pivot toward and away from said blade edge and also having integral side and front walls cooperable with said blade to confine material upon said bottom when the latter is swung toward said edge.

2,078,501
ROAD SCRAPER

Earl B. Maloon, Milwaukee, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin

Application November 27, 1935, Serial No. 51,774
5 Claims. (Cl. 37—169)

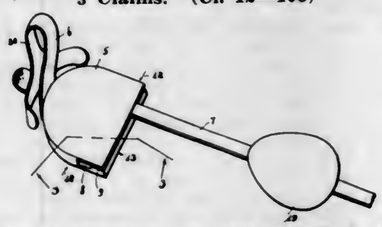


1. In a road scraper, a transportable frame having a front central fulcrum and a rear substantially upright integral scraper blade provided with rearwardly extending integral rigid ears, a cross-beam rigidly attached to the rear extremities of said ears and spaced from the back of said blade, a ground engaging wheel pivotally suspended from each end of said beam and being swingable between the rear of said blade and the adjacent beam end to swing the adjacent portion of said blade about said fulcrum, and means for effecting independent swinging of said wheels about said beam.

2,078,502
ARCH SUPPORT AND MEANS FOR PROPERLY LOCATING SAME

Clara H. Marron, Los Angeles, Calif.

Application March 23, 1936, Serial No. 70,302
3 Claims. (Cl. 12—103)



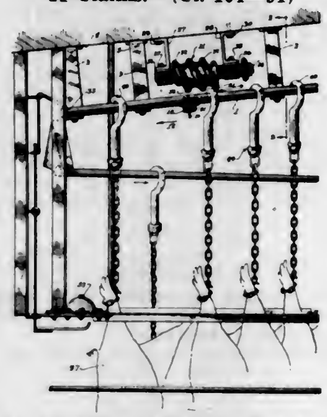
1. In a device of the class described, a base designed to fit into the heel part of a shoe and

so thin that it will not interfere with a fitting and locating of an arch support with a foot in the shoe, the base have guiding means formed crosswise thereof, and a control member on the base adapted to extend over the top of the shoe towards the outside and terminating in a clamping member designed to hold the base in adjusted positions within the shoe.

2,078,503
SHACKLE STOP

William C. Meiser, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application October 12, 1935, Serial No. 44,745
11 Claims. (Cl. 104—91)



6. In a conveying means including an inclined rail for the gravity conveyance of shackles, means for spacing the shackles traveling on the conveying means comprising a rocker lever mounted in operative relation with the rail and normally adapted for passage of the shackles traveling on the conveying means, and a worm wheel rotatably mounted in operative relation with the rocker lever for controlling the advance of the shackles relative to the rocker lever, the rocker lever being operable for withholding succeeding shackles during passage of a shackle thereover.

2,078,504
GLAZE

Henry M. Michel, Oakland, Calif., assignor of one-half to Edward M. Applegarth, Oakland, Calif.

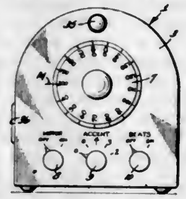
No Drawing. Application May 31, 1932, Serial No. 614,633
1 Claim. (Cl. 134—20)

A glaze for painting wall surfaces or the like comprising a water admixture including casein arranged for depositing on a surface to be glazed, ammonium hydroxide serving to maintain said casein in soluble form prior to application of the glaze and evaporating upon application of the glaze in a manner depositing said casein on said surface, and silicate of soda coagulating said glaze and holding the latter against running when applied to said surface, said ammonium hydroxide being substantially the sole basic substance in the glaze whereby upon evaporation of the ammonium hydroxide said casein will be left substantially insoluble when washed with water yet readily soluble and removable upon washing with a basic solution, the proportions of said ingredients being approximately one gallon of water, fourteen ounces of casein, six ounces of ammonium hydroxide and one hundred and twelve cubic centimeters of silicate of soda.

2,078,505
METRONOME

James H. Morrison, Los Angeles, Calif.

Application December 18, 1935, Serial No. 55,031
5 Claims. (Cl. 58—130)

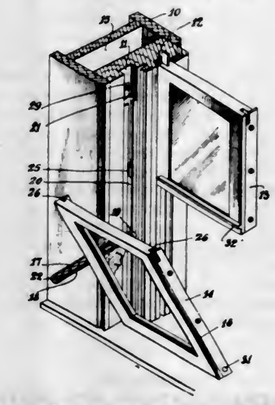


1. In a metronome, the combination of: primary electrically operated means for striking audible signals; secondary electrically operated means for accenting certain of said signals; a primary power driven drum having a plurality of equally spaced contact points thereon and a brush riding on said drum for engagement with said contact points, said drum and said brush supplying intermittent charges of current to said primary means to produce a series of audible signals; a secondary drum rotatable with said primary drum; contact points on said secondary drum and a brush riding on said secondary drum for engagement with said contact points simultaneously with the engagement of certain of said contacts and said brush of said primary drum, said secondary drum supplying intermittent charges of current to said secondary means so as to accent certain of said audible signals.

2,078,506
WINDOW CONSTRUCTION

Gottlieb Nuebel, Astoria, N. Y.

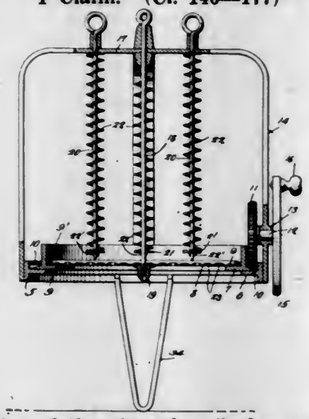
Application November 15, 1935, Serial No. 49,865
2 Claims. (Cl. 20—49)



1. In a window construction of the class described, a sliding member arranged for vertically reciprocatory movement in a groove of the window casing, a bracket having a perforation for the attachment of the weighted sash cords and attached to the inner face of said sliding member, a latch on said sliding member, sashes having recessed bars adapted to be engaged by said latches, a spring on the inner face of said sliding

member to normally hold its latches in engagement with the recesses of said sash bars to couple said sliding member, sash cords and their weights to said sashes for the usual vertical reciprocatory movement, said spring when repressed allowing the disengagement of said latches from the recesses of the sash bars, slotted links connected to said slide member and hinge pins engaging in the slots of said links and connecting sash bars and sliding member about which the sashes can be turned when uncoupled from said sliding member, and a means to determine the angle of such turn to the window frame and hold the sashes in their adjusted positions, a foot part on said sliding member connecting the same to the window sash for participation in the up and down movement of the sash, and pins on said sliding member to limit its inward movement when uncoupled from said sash.

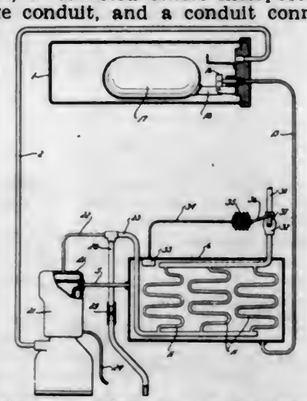
2,078,507
GRATER
Alfred L. Pace, Washington, D. C.
Application October 18, 1935, Serial No. 45,662
1 Claim. (Cl. 146—177)



A grater of the class described, comprising a base, an inwardly extended annular flange forming a part of the base, the flange being disposed below the upper edge of the base, a rotary member resting on the flange, a ring gear extending from the lower edge of the rotary member, a frame rising from the base, a pinion meshing with the gear and adapted to rotate the ring gear and rotary member, a spring pressed rod extending through the frame, a grating member secured to the lower end of the rod, lugs exteriding upwardly from the rotary member and extending into the grating member removably securing the grating member to the rotary member, and yieldable members on the frame adapted to hold articles being grated into engagement with the grating member.

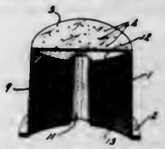
2,078,508
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application August 14, 1934, Serial No. 739,746
2 Claims. (Cl. 62—3)

1. In a refrigerating system the combination of a water cooled refrigerant condenser, a refrigerant compressor having a water cooling jacket, conduit means for passing cooling water to said condenser, a discharge conduit for leading water from said condenser to an adjacent discharge, a restricted orifice interposed in said discharge conduit, and a conduit connected to



said discharge conduit at a point between the condenser and in advance of the restricted orifice for conducting a portion of the discharged cooling water to the cooling jacket of the compressor.

2,078,509
SPINNERET
Arthur J. Prutton, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application February 13, 1934, Serial No. 711,024
7 Claims. (Cl. 18—8)



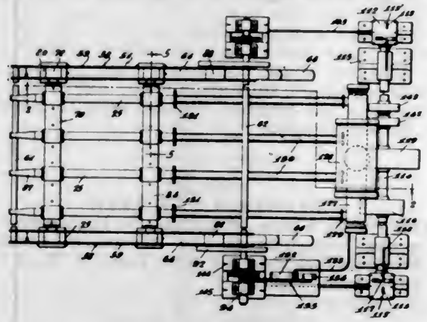
1. A spinneret insert for use in the wet spinning of artificial silk thread comprising an approximately cylindrical plug adapted to be bodily inserted within and, when so inserted, to be encompassed throughout its length by the walls of a spinneret, said plug having its discharge end slightly dished and having extending therethrough a passage at least as great in cross-sectional area at its discharge end as the combined areas of the perforations of the spinneret in which said plug is intended to be inserted.

2,078,510
METHOD AND APPARATUS FOR OVERHEAD IRRIGATION
Willy H. Rabe, Ventura, Calif.
Application October 14, 1933, Serial No. 693,633
Renewed February 16, 1937
11 Claims. (Cl. 299—62)

1. A method of irrigation comprising projecting streams of water in an arcuate, vertical oscillating movement at variable speeds and at the same time forcing air into the water streams to break up the streams into small drops and thereby irrigating a strip of ground due to the varying trajectories of the combined water and air streams from a position adjacent the discharge point of the streams to a position more remote therefrom, the angular movement being at a relatively slow speed at high elevations and a relatively higher speed at low elevations.

2. An irrigation apparatus comprising in combination, a frame structure having a pair of arms

pivoted thereon on the same horizontal axis, a plurality of nozzle pipes each having a nozzle clamped to said arms in the plane of the arms,



means to continuously oscillate said arms, a flexible connection to each of the nozzle pipes and means to supply water under pressure to each of the said flexible connections.

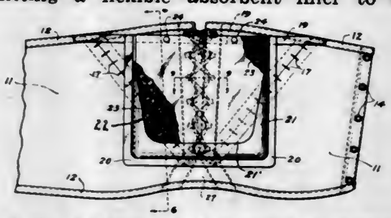
2,078,511
HEADWEAR
Kasper J. Riebold, St. Louis, Mo., assignor to Caradine Hat Company, St. Louis, Mo., a corporation of Missouri
Application May 16, 1935, Serial No. 21,729
1 Claim. (Cl. 2—176)



A ventilated hat comprising a semi-rigid non-collapsible crown, a correspondingly semi-rigid non-collapsible brim joined at its inner margin to, and extending laterally outwardly from, the lower margin of the crown, the crown and brim being jointly interrupted to include a plurality of bays spaced circumferentially of the hat and each bay having normally approximately parallel side walls joined by a sloping flexible top wall and the side walls being presented radially outwardly from the crown, each bay providing an air-channel opening to, and in open communication with, both the interior of the crown and the under face of the brim and said side walls being formed adjacent the base of the crown wall with registering slots, and a band extending through said slots and adjustably bearing upon the exterior of the crown for co-operatively shifting the respective side walls of the bays for selectively reducing the normal head-size of the hat.

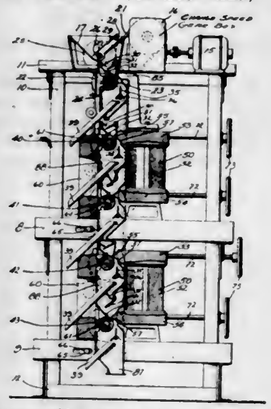
2,078,512
COLOSTOMY BELT
Lillian A. Simpson, Omaha, Nebr.
Application April 22, 1936, Serial No. 75,849
6 Claims. (Cl. 128—283)

5. A colostomy belt comprising a flexible band adapted to encircle a human body at the abdomen, and an elastic, impermeable pouch normally disposed at the inner side and detachably secured at its top to the band, said pouch having an opening in its side wall for receiving and permitting a flexible absorbent filler to bear



against the abdomen, and providing a receptacle below said opening for receiving liquid material.

2,078,513
MAGNETIC SEPARATOR AND CONCENTRATOR
Roswell H. Stearns, Milwaukee, Wis., assignor to Stearns Magnetic Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 11, 1933, Serial No. 701,800
13 Claims. (Cl. 209—219)

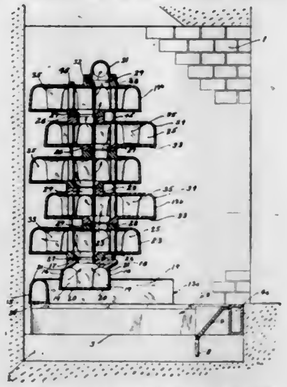


1. In a magnetic separator, the combination with a magnet provided with spaced poles, of a field frame provided with spaced poles complementary to those of the magnet, rolls mounted on the field frame and positioned between its poles and those of the magnet, a conduit system for delivering material successively over said rolls, said system being carried by the field frame, and means for bodily adjusting said field frame respecting said magnet whereby to vary the flux gap between the respective rolls and the poles of said magnet without affecting the feed of material respecting said rolls.

2,078,514
WATER HEATER FOR FIREPLACES
Frank Stenzel, Portland, Oreg.
Application December 23, 1935, Serial No. 55,703
4 Claims. (Cl. 257—248)

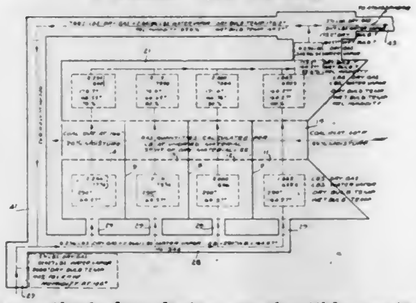
1. A heater of the class specified including a basal section and a plurality of superposed sections, the basal section comprising longitudinal tubes and cross tubes having connecting passages, an outlet leading therefrom and connected to the inlet of a superposed section, the superposed sections each having an inlet and an outlet the inlet of the one connected to the outlet of the other, each superposed section consisting of longitudinal tubes and cross tubes forming passages which communicates with the inlet and outlet,

and a baffle member insertable in the inlets and outlets to direct a water flow from the inlet



through certain longitudinal tubes first, and thence through the remaining longitudinal tubes to the outlet.

2,078,515
METHOD AND MEANS FOR DRYING MATERIAL
Robert L. Sutherland, Winnipeg, Manitoba, Canada, assignor to Northern Coal Products Co., Minneapolis, Minn., a corporation of Delaware
Application June 29, 1933, Serial No. 678,151
1 Claim. (Cl. 34—34)

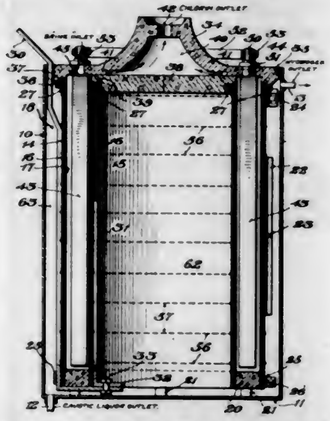


A method for drying combustible material consisting in applying an inert drying medium to the material to be dried, said medium being at a temperature below the point at which there is danger of degradation or of ignition of said material and having a degree of humidity which at the desired dry bulb temperature will provide the desired temperature of evaporation, and controlling the vapor pressure differential between moistures in the material and in the drying medium throughout the drying process by progressively changing the quantity of the applied drying medium as drying progresses, by varying the thickness of a bed of the material to correspondingly vary the degree of resistance to flow of drying medium supplied at constant pressure.

2,078,516
PROCESS OF TREATING ACID LIQUORS
Anton Johan Tulleners, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 17, 1935, Serial No. 27,048. In the Netherlands July 3, 1934
12 Claims. (Cl. 260—99.12)

1. The process of treating mixtures containing free mineral acid acting acid and alkyl acid esters of said acid, the alkyl radicle of which contains at least five carbon atoms, which comprises selectively extracting essentially free acid therefrom by adding thereto an aqueous solvent medium for the free acid having a water content not greater than about 20% of the weight of said mixture and separating the resulting product into an aqueous phase containing said acid and a phase containing substantially the alkyl acid ester content of the original mixture prior to working up the acid liquors.

2,078,517
ELECTROLYTIC CELL
Lafayette D. Vorce, Montclair, N. J., assignor, by mesne assignments, to Westvaco Chlorine Products Corporation, New York, N. Y., a corporation of Delaware
Application October 16, 1934, Serial No. 748,507
7 Claims. (Cl. 204—5)



1. A chlorin cell of high capacity and low resistance comprising as an anode a plurality of carbon rods depending into a narrow electrolyte chamber, two concentric diaphragms defining said electrolyte chamber and said chamber being wider at the top than at the bottom, two concentric perforated sheet metal cathodes, the total area of the openings through the perforations being a minor fraction of the area of the cathodes, the perforations being few in number and arranged in spaced annular series with relatively large areas of imperforate continuous metal between series, electrical connection means extending longitudinally along the cathodes, a fine wire mesh between each cathode and the corresponding diaphragm, an enclosing housing spaced from the outer cathode to form an annular chamber for gas and cell liquor therebetween, the inner cathode bounding a second chamber, connections for withdrawing gas and cell liquor from this chamber and from the chamber bounded by the inner cathode and means for feeding brine into the annular electrode chamber.

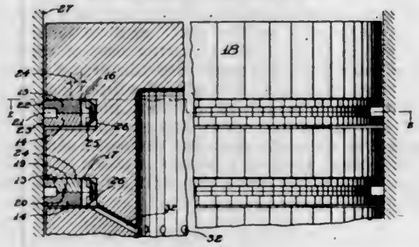
2,078,518
PRICE TAG HOLDER
Otto H. Wilke, Lakewood, Ohio
Application May 16, 1935, Serial No. 21,850
2 Claims. (Cl. 40—17)

1. A price tag holder including a body having a wall adapted to receive a tag, a clip connected with the body and having spring jaws, one of said jaws being formed with an oblique portion overlying the body and the other of said jaws having a bowed portion and a straight portion overlying said oblique portion and said body, said jaws defining a pocket to receive the upper portion of a wall, and means securing the oblique and straight portions to the body and to each other



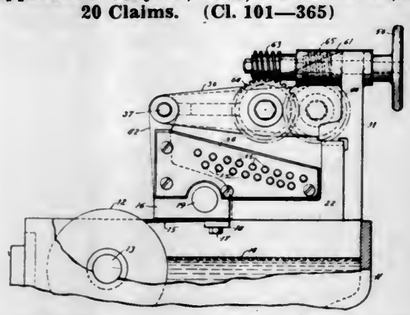
for connecting the jaws with said body, said jaws being normally urged toward each other for clamping a wall therebetween and said body being obliquely disposed with respect to said jaws for displaying indicia thereon to the normal vision of a person viewing articles on display.

2,078,519
PISTON RING FOR OIL CONTROL AND COMPRESSION
Frederick W. Wilkening, Narberth, and William Wuerfel, Philadelphia, Pa., assignors to Wilkening Manufacturing Company, Philadelphia, Pa., a corporation of Delaware
Application June 1, 1932, Serial No. 614,676
4 Claims. (Cl. 309—45)



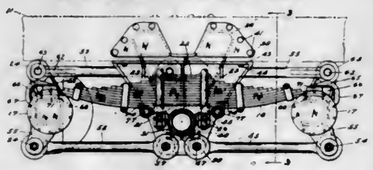
1. A composite two-piece piston ring, adapted for use in internal combustion engines in combination with a cylinder and a piston thereof having a plurality of ring-receiving grooves, the one farthest from the combustion chamber having a passageway associated therewith for maintaining communication with the interior of the piston wall, the one nearest the combustion chamber being imperforate and non-communicating with the interior of the piston, said composite two-piece piston ring being adapted to be disposed within at least each of two of said ring-receiving grooves of said piston, each of said composite piston rings comprising two annular ring members having uniform transverse cross-sectional areas throughout their respective circumferences;—the aggregate overall axial width of each of said composite piston rings, (including their two ring members), being substantially less than the axial width of the corresponding ring-receiving groove, thereby creating a substantial axial clearance, sufficient to permit the maintenance of a layer of oil in said clearance and to permit the passage of oil in an inward radial direction from the cylinder wall to the interior of the ring-receiving groove behind each of said composite piston rings, respectively, an oil collector groove for each of said composite piston rings, for gathering oil from the cylinder wall into said clearance.

2,078,520
ADJUSTMENT MECHANISM FOR INKING APPARATUS
Otto R. Wolf, Oak Park, Ill., assignor to The Tribune Company, Chicago, Ill., a corporation of Illinois
Application May 18, 1935, Serial No. 22,184
20 Claims. (Cl. 101—365)



1. In an inking apparatus for printing presses, the combination of an ink fountain, a fountain roller, a plurality of scraper blades positioned to engage said roller for controlling the amount of ink thereon and arranged in substantially abutting relationship, a plurality of individual adjusting devices arranged to act on the blades at various points across their width, and collective adjustment devices each operable to adjust as a unit one of said blades while maintaining the blade under the adjustment provided by the individual adjusting devices.

2,078,521
SUSPENSION FOR MULTIWHEELERS
Herbert W. Alden, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application February 15, 1934, Serial No. 711,423
10 Claims. (Cl. 280—124)

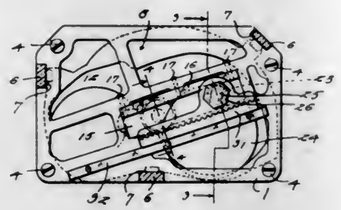


1. In a multi-wheel vehicle having a frame, a pair of tandem axles disposed at one end of said frame, and a suspension at each side of said frame for supporting the latter upon said axles; each suspension comprising a flexible member extending longitudinally of said frame; and means for connecting said flexible member intermediate its ends to said frame; said means comprising a seat for said flexible member having adjustable means for engaging the sides of said flexible member; and means for bringing said adjustable means into rigid clamping engagement with the sides of said flexible member.

2,078,522
RADIO CONDENSER
Abraham Agronofsky, St. Joseph, Mo.
Application August 3, 1929, Serial No. 383,296
Renewed September 25, 1936
19 Claims. (Cl. 175—41.5)

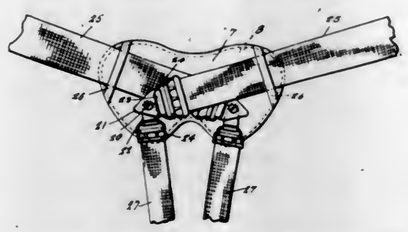
5. A condenser comprising a stator having one portion of relatively large width, a second portion of relatively small width connected to said first

portion and extending in a direction away from said large portion and a third portion of intermediate width gradually increasing in width from said second portion and extending in the direction of said first portion whereby to provide a substantially closed loop, a movable plate, means for mounting said plate for rotary movement in a plane parallel to said stator, and means for bodily shifting the axis of the plate for inductive engagement by the plate with selected portions of said stator said plate being rotatable relative to the selected portion of the stator.



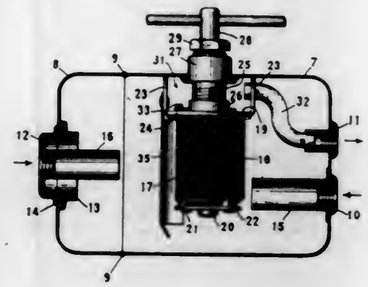
7. A condenser comprising stator plates and rotor plates, said rotor plates being mounted for rotation through an arc of more than 180 degrees about an axis shiftable in a direction perpendicular to said axis, and means for simultaneously rotating said plates and shifting said axis, said rotor plates having an increasing area thereof in capacity relation to said stator plates throughout their arc of rotation in one direction and a decreasing area thereof in capacity relation to said stator plates throughout their arc of rotation in the opposite direction.

2,078,523
TRUSS
Otha D. Arnsparger, Youngstown, Ohio
Application October 7, 1935, Serial No. 43,962
3 Claims. (Cl. 128—96)



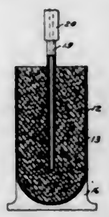
1. A truss including a hernia support consisting of a sheet of flexible material, pad bodies disposed against the side of said sheet, a cover sheet for said pad bodies and the first named sheet secured to the first named sheet, and at least one of said pad bodies consisting of a heel portion and integral spaced parallel finger portions, said pad body tapering from the heel to the free end of said fingers, and said fingers having convexed edges and said heel at the inner ends of the fingers having a recess, said heel being adapted to fit into the public notch with said fingers bearing against opposite sides of the abdominal ring accommodated between said fingers and in said recess in a manner to receive pressure from the fingers tending to force the fascia and ring together and into natural position for treating hernia.

2,078,524
FILTER APPARATUS
Philip E. Ashton, Clarence B. Perkins, and Carlton A. Lind, Meriden, Conn., assignors to The Cuno Engineering Corporation, Meriden, Conn., a corporation of Connecticut
Application November 30, 1934, Serial No. 755,272
4 Claims. (Cl. 210—167)



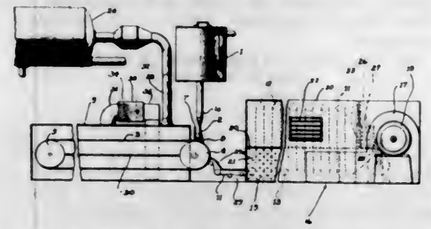
1. In a filter adapted for use on a vehicle, the combination with a tubular casing having walls and formed of at least two portions, a bridge plate having edge portions contacting with the casing and forming a chamber which is closed with respect to a space within the casing, a passage through the casing connected to said chamber, another passage through the casing connected to said space within the casing and outside of the chamber, a filter supported at least in part by said bridge plate and to which it is secured so that liquid entering one of said passages may pass through the filter and leave by the other passage, a bushing supported by said casing and to which said bridge plate is secured, and an actuating shaft for scraping the filter extending through said bushing and casing, said bridge plate having portions shaped to space it from the casing wall through which the actuating shaft passes.

2,078,525
METHOD OF PENETRATING FIBROUS MATERIAL
Rudolph M. Bruesewitz, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 22, 1936, Serial No. 97,475
8 Claims. (Cl. 210—204)



1. The method of making a passage through a mass of fibrous material which comprises dividing the fibers by directing a stream of compressed gas into the material by means of a tapered tube with the reduced end foremost and intermittently advancing the tube through the passage thus made.

2,078,526
METHOD OF MANUFACTURING RUBBER HYDROCHLORIDE FILMS
William C. Calvert, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application August 18, 1933, Serial No. 685,724
12 Claims. (Cl. 18—57)



1. The method of producing a transparent film of a rubber hydrochloride which comprises applying a solution of the same in a low boiling solvent to a continuous belt, removing sufficient solvent by evaporation to form a film which will support its own weight without distortion, removing the film from the belt and then heating to a higher temperature to volatilize the remainder of the solvent.

2,078,527
RUBBER COMPOUND AND METHOD OF PRESERVING IT
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 28, 1932, Serial No. 625,528
22 Claims. (Cl. 18—50)

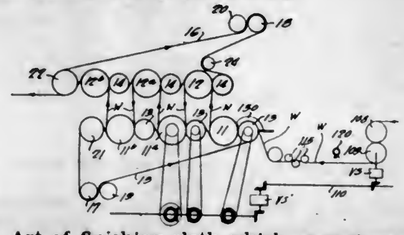
1. A method of preserving rubber which comprises incorporating therein an N N' diaryl arylene diamine in which at least one of the aromatic radicals is of condensed polynuclear structure wherein rings which are directly connected by carbon atoms have two of such atoms common to each two of the rings so connected.

2,078,528
RUBBER COMPOSITION AND METHOD OF PRESERVING IT
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 23, 1933, Serial No. 703,848
6 Claims. (Cl. 18—50)

1. A method of preserving rubber which comprises incorporating therein a hydroxy diphenyl amine.

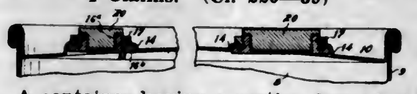
2,078,529
CLOTH FINISHING
Sanford L. Cluett, Troy, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York
Application June 7, 1933, Serial No. 674,636
9 Claims. (Cl. 38—8)

1. Cloth finishing mechanism having therein opposed series of smooth rotatable drums adapted to polish cloth, and a pair of endless web-carrier belts, one passing in a sinuous path about one series only of the drums and the other passing in a sinuous path about the other series only of the drums, the drums and belts being so disposed with respect to each other that a web of cloth can pass around drums of the two series in alternation in contact therewith, under the confinement of the corresponding carrier belts.



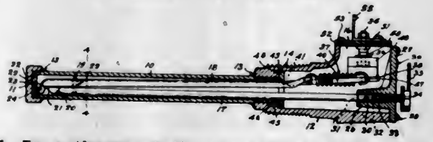
4. Art of finishing cloth which comprises conveying the cloth lengthwise and during such travel subjecting the cloth to repeated polishing action on alternate surfaces thereof, a plurality of times on each surface, while applying heat to dry the cloth, and intermediate the several successive polishing operations subjecting the cloth to abrupt changes of flexure such as will soften sizing, starch or the like in the cloth.

2,078,530
CONTAINER
Harry F. Courtright, Shaker Heights, and Charles S. Stiles, Cleveland Heights, Ohio, assignors to The Cleveland Steel Barrel Company, Cleveland, Ohio, a corporation of Ohio
Application July 28, 1932, Serial No. 625,360
4 Claims. (Cl. 220—39)



1. A container having a portion formed of inner and outer sheet metal walls, said walls being formed with aligned openings, a bung ring consisting of a flange engaging one of said walls and an internally and externally threaded collar extending through said openings, and an internally threaded bung ring member threaded on said collar and engaging the other wall to clamp both walls between it and said flange, said flange and said bung ring member having related concentric portions arranged to bend the walls surrounding the openings therein laterally to effect an interlock between the walls and said flange.

2,078,531
THERMOSTATIC SWITCH
Dirk Eisinga, Glendale, Calif., assignor to National Steel Construction Co., Seattle, Wash., a corporation of Washington
Application November 14, 1934, Serial No. 752,964
6 Claims. (Cl. 200—137)



1. In a thermostatic apparatus, a tube; a rod member disposed longitudinally within said tube, said rod member having a lower coefficient of expansion than said tube; a housing rigid with one end portion of said tube; means rigid relative to said housing supporting one end of said rod member; movable lever means positioned longitudinally within said tube having one end extending into said housing; a relatively short rigid inclined arm member on the end of said

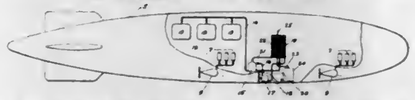
lever means remote from said housing; a knife edge bearing on the outer end of said rod engaging said short arm member adjacent the junction of the same with said lever means; means rigid with the outer end portion of said tube engaging the end of said short lever arm member; and circuit opening and closing means positioned in said housing operatively connected with the end portion of said lever means.

2,078,532

BALLAST WATER RECOVERY FOR AIRSHIPS

Wilhelm O. L. Fischer, Akron, Ohio, assignor to Goodyear-Zeppelin Corporation, Akron, Ohio, a corporation of Delaware

Application January 27, 1934, Serial No. 708,596
6 Claims. (Cl. 244—61)



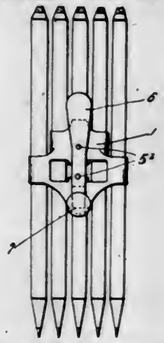
1. In combination with an airship, lifting-gas compartments containing helium, at least one lifting-gas compartment containing hydrogen, the hydrogen compartments being surrounded by helium, means containing liquid fuel, a steam power plant including an external combustion motor for burning some of said hydrogen exclusively without contamination, an internal combustion power plant operated by the liquid fuel, a condenser for condensing the water vapor formed by the burning of the hydrogen, water containers for storing the condensed water, and a second condenser for condensing the exhaust steam from the steam power plant, said steam and internal combustion power plants being so proportioned to each other that the amount of condensate collected will substantially equal in weight the amount of liquid fuel used, minus the amount of lift of the gaseous fuel burned.

2,078,533

PENCIL OR PEN HOLDER

Ulysses G. Hale, Brownsville, Tex.

Application November 14, 1935, Serial No. 49,819
1 Claim. (Cl. 24—11)



The device described comprising essentially a resilient body of plate-like form having on one face a plurality of integral clasps for receiving and holding pens or pencils and also having at its upper end a loop and a pendent tongue on the loop and opposed to the other face of the body and forming therewith means for gripping an object, the said clasps being arranged in upper and lower horizontal planes both opposite and in the same horizontal plane as the said tongue, and a plate-like lever flatwise opposed and fixedly connected to said tongue and extending above and below the same.

2,078,534

CYCLIC ACETALS AND PROCESS FOR PRODUCING SAME

Herbert P. A. Groll and George Hearne, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 25, 1935, Serial No. 23,521
8 Claims. (Cl. 260—54)

1. The step of converting an unsaturated alcohol to a cyclic acetal which comprises treating an unsaturated alcohol possessing an olefinic linkage between two aliphatic carbon atoms with a mineral acid-acting compound at a temperature favorable to cyclic acetal formation.

2,078,535

MANUFACTURE OF RELIEF PRINTING FORMS

Max Hagedorn and Gerhard von Kujawa, Dessau in Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany

Application August 16, 1933, Serial No. 685,454
In Germany August 20, 1932
3 Claims. (Cl. 101—395)

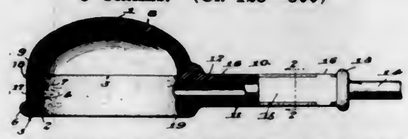
1. A relief printing form comprising the polymerization product of a vinyl compound.

2,078,536

MASSAGE DEVICE

Walter A. Hardman, Brooklyn, N. Y.

Application July 21, 1933, Serial No. 681,601
Renewed March 12, 1937
8 Claims. (Cl. 128—300)



1. A massage device comprising a rigid band having strap terminals, a cup of yieldable material fitted inside of the band with the band adjacent to the open end of the cup, said cup being unrestricted on its interior within the substantial zone of the band and through the remainder of the open end, a rigid liner in the closed end of the cup above the zone of said band, and a hollow stem on the cup communicating with the interior thereof and extending between the straps, and means to secure the straps to the stem.

2,078,537

PRESERVATION OF GREEN-FODDER

Friedrich August Henglein, Cologne-Deutz, and Friedrich Wilhelm Stauf, Leverkusen-Wiesdorf, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application December 23, 1932, Serial No. 648,722. In Germany January 22, 1932
4 Claims. (Cl. 99—8)

1. In the process of preserving green-fodder the step which comprises treating the green-fodder with the solution obtained by decomposing phosphorus pentachloride with water.

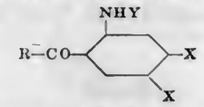
2,078,538

4,5-ALKYLSUBSTITUTED 2-AMINODIARYLKETONES AND PROCESS OF PREPARING THEM

Georg Kränzlein and Theodor Meissner, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 15, 1935, Serial No. 50,060. In Germany November 20, 1934
12 Claims. (Cl. 260—64)

8. The compounds of the general formula:



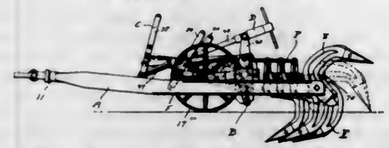
wherein Y represents hydrogen or acetyl, R an aryl group of the benzene and naphthalene series and which compounds contain two identical methyl groups in positions X or a tetramethylen chain bound at both ends to the benzene nucleus in positions X.

2,078,539

ROAD RIPPER

Augusta P. McKay, Rome, Ga., assignor to Rome Plow Company, Cedartown, Ga., a corporation of Georgia

Application February 7, 1936, Serial No. 62,841
11 Claims. (Cl. 262—8)



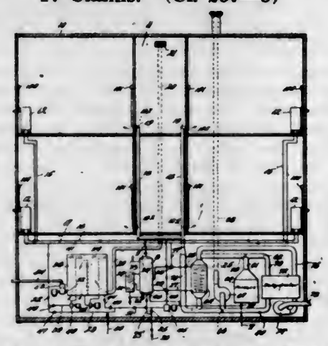
1. A road ripper implement comprising a wheeled frame, means for raising the frame with respect to its supporting wheels, means for retaining the frame raised, means for limiting downward movement of the frame, a series of ripping standards separately pivoted on the frame, latching means for releasably holding the standards in working position relative to the frame, and means for securing one or any selected standards in an inactive position on the frame.

2,078,540

AIR CONDITIONING SYSTEM

Ernest B. Miller, Annapolis Roads, Md.

Application October 31, 1933, Serial No. 696,069
17 Claims. (Cl. 257—8)



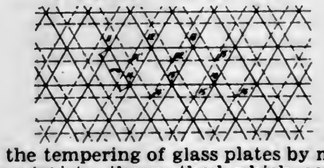
1. An air conditioning system including in combination, a radiator for each room, means associated therewith to positively circulate the room air thereover, means to circulate a medium through the radiators, means to heat said medium when required, means to cool said medium when required, independent means to supply a quantity of air of predetermined humidity to each room, means to withdraw air from the rooms during cooling and means to use said withdrawn air alone to cool said circulating medium to the desired extent.

2,078,541

PROCESS FOR TEMPERING GLASS

Robert Monnier, Paris, France, assignor to Societe Assurex le "Roi des Verres de Sécurité" Magnien, Monnier et Cie., a corporation of France and Leon, Alfred, Edouard Petit

Application January 9, 1935, Serial No. 1,058
In France January 16, 1934
6 Claims. (Cl. 49—89)



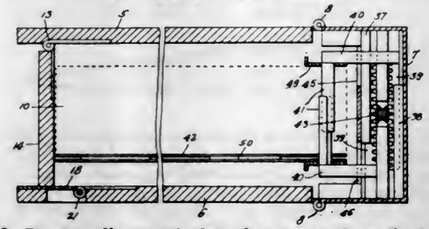
1. In the tempering of glass plates by means of movable air jets, the method which consists in displacing air jets grouped in equilateral triangular formation relatively to the glass plate so that the jets sweep the surface of the glass along predetermined paths and cool the same more intensively along zones disposed according to the sides of adjacent equilateral triangles and corresponding to said paths than in the areas included by said triangles between the said zones.

2,078,542

ALBUM

John Pienzak, Deming, N. Mex.

Application June 19, 1936, Serial No. 86,179
4 Claims. (Cl. 129—1)

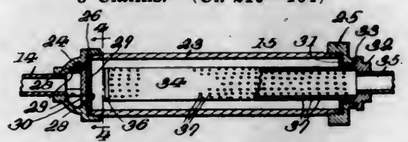


2. In an album of the character described, a back, cover members hinged to the back at opposite sides of the latter, a strip hinged to one of the cover members adjacent the edge thereof opposite to said back, said strip having eyes projecting from a free longitudinal edge thereof, and the other of said cover members having adjacent an edge thereof openings through which said eyes extend when the album is closed, a latch bar slidably mounted on the second mentioned cover member and having ends engageable in the eyes for securing the album in closed position.

4. In an album of the character described, a back, cover members hinged at one edge to the back at opposite sides of the latter, top and bottom end members hinged at one end to the respective opposite ends of said back, said top and bottom members adapted to be disposed between the cover members when the album is closed,

and one of said end members comprising a pair of hinged sections and cooperable with the other of said end members to provide a support for supporting the album when in open position with the back of the album disposed at substantially an acute angle to a flat supporting surface.

2,078,543
SPRAYING APPARATUS
Frank A. Salisbury, Phelps, N. Y.
Application February 25, 1935, Serial No. 8,139
3 Claims. (Cl. 210—164)



1. A filtering device for use in the pressure discharge line of a spraying apparatus, comprising an outer casing, a perforated tube disposed within said outer casing with the side walls thereof spaced from the said casing and having one end thereof connected at the outlet end of said casing, the opposite end of said tube being spaced from the inlet end of said casing, and a plate closing the inlet end of said casing and spaced from the said opposite end of said tube, said plate having a plurality of angularly disposed openings therethrough for directing the entire volume of the entering solution against the walls of said casing and for imparting a whirling motion to the solution as it passes between the casing and the tube whereby to prevent clogging of the perforations in the tube.

2,078,544
AIRPLANE
Joseph R. Salzman and Carl J. Snyder, Detroit, Mich.; said Salzman assignor to J. Hugo Smith, Detroit, Mich.
Application May 15, 1935, Serial No. 21,606
20 Claims. (Cl. 244—123)

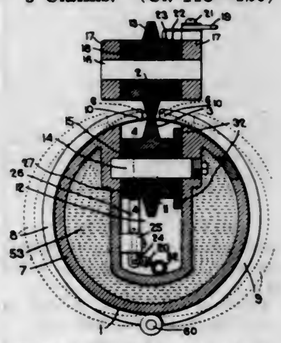


12. A structure including a plurality of spaced apart spars, a plurality of spaced apart structures extending transversely of said spars and including upper and lower rib members of thin metal and rectangular channel form in cross section, forming members each forming a continuation of said rib members of each of said structures, and a plurality of sheet metal channel stringers extending transversely of said nose forming members and secured thereto exteriorly thereof.

2,078,545
PROCESS FOR THE PRODUCTION OF HALOGENATION PRODUCTS OF RUBBER AND LIKE SUBSTANCES
Otto Schweitzer, Frankfort-on-the-Main-Hochst, Germany, assignor to Metallgesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application January 19, 1935, Serial No. 2,603. In Germany January 24, 1934
16 Claims. (Cl. 260—1)

1. Process for the production of halogenated rubber which comprises gradually introducing halogenating agent and rubber solution into a halogenating mixture at such relative rates that the amount of halogenating agent present in the resulting mixture is always at least sufficient for conversion of all of the rubber content of the mixture beyond the unstable medium stage of halogenation.

2,078,546
METHOD OF MAKING CAN BODIES
Harry Sebell, Boston, Mass., assignor, by direct and mesne assignments, to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application April 11, 1934, Serial No. 720,049
3 Claims. (Cl. 113—120)



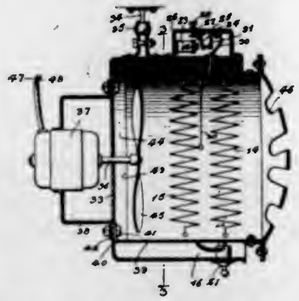
1. The process of making a can body from a tinned blank, which process consists in forming the blank into the shape of the can body with the edges in meeting relation, moving said shaped blank along and in encircling relation with a supporting mandrel, fusing said edges together during movement of the blank along said mandrel and then retinning the can body along the fused seam while said body is moving lengthwise of the mandrel.

2,078,547
CONVEYING MECHANISM, PARTICULARLY APPLICABLE TO CLASSIFIERS
Rupert Octavius Stokes, London Wall, London, England
Application March 21, 1936, Serial No. 70,148
In Great Britain March 28, 1935
6 Claims. (Cl. 198—224)



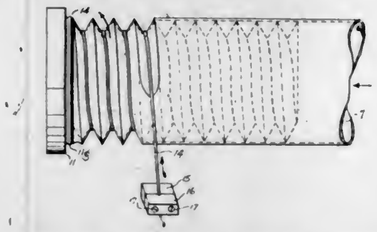
1. A reciprocating rake conveyor comprising in combination a supporting surface for the material being conveyed, two sets of rakes with interlapping blades, double-ended rocking lever members supporting the rakes and connected by one end of each to one of the said sets of rakes and by the other end of each to the other set, the arrangement being that in each of the two end positions of the said members one set of rakes is in proximity to the supporting surface and the other at a distance therefrom, means for oppositely reciprocating the two sets of rakes in the longitudinal direction of the supporting surface, and cam means for rapidly moving the rocking members over from one end position to the other while the rakes are near the end positions of their longitudinal movement.

2,078,548
ELECTRIC HEATING SYSTEM
Greeley E. Strawser, West Leisenring, Pa., assignor of one-half to John Q. Adams, Uniontown, Pa.
Application February 19, 1934, Serial No. 712,020
1 Claim. (Cl. 219—39)



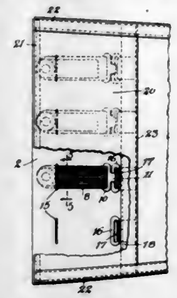
An electric air heater comprising a main casing having an open front end and a rear wall, a fan motor casing secured to the rear wall and projecting rearwardly therefrom, a motor supported by the motor casing, the shaft thereof extending through an aperture in the rear wall of the main casing, a secondary casing mounted concentrically within the main casing and spaced a substantial distance therefrom defining an air passageway and extending forwardly beyond the main casing and terminating in an annular outwardly directed flange, the secondary casing stopping short of the rear wall of the main casing and having leg members for mounting on said wall to hold the same in spaced relation therewith, heating means mounted within the secondary casing, a propeller fixed to the motor shaft and positioned rearwardly of the heating means, and a guard plate secured to the annular flange of the secondary casing.

2,078,549
PROCESS FOR MAKING HELICAL ACCORDION PACKING RINGS
Harley T. Wheeler, Dallas, Tex.
Original application April 19, 1932, Serial No. 606,115. Divided and this application October 13, 1933, Serial No. 693,452
13 Claims. (Cl. 154—2)



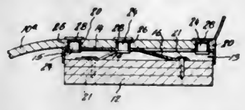
1. A method of forming packing comprising; placing a cylindrical tube of flexible packing material upon a mandrel corrugated transversely, winding a flexible line about said mandrel to force the walls of said tube into the corrugations of said mandrel and produce thereon approximately parallel laminations, removing said tube from said mandrel, and compressing said tube longitudinally to bring the adjacent sides of said laminations into close contact with each other.

2,078,550
GAITER
Leo Wiesenfeld, Brooklyn, N. Y.
Application April 24, 1936, Serial No. 76,160
8 Claims. (Cl. 36—2)



1. A gaiter or spat comprising overlapping flaps, the outer flap being provided upon its outer surface parallel to its edge with a row of simulated buttons each carrying a socket member at its inner face, said socket member opening upon the under surface of the outer flap, the inner flap being provided with a row of ball members positioned upon its outer surface adjacent to but wholly within the edge thereof to be engaged with the socket members of the outer flap, each of said ball members being secured to the outer end of one of a group of independent elastic straps mounted upon the under surface of the inner flap and each of said straps being independently and detachably connected at its inner end to the inner flap.

2,078,551
HEEL AND CUSHION CONNECTER
Villor P. Williams, Baltimore, Md., assignor to Estelle W. Gomboror, Baltimore, Md.
Application April 2, 1936, Serial No. 72,352
4 Claims. (Cl. 36—38)

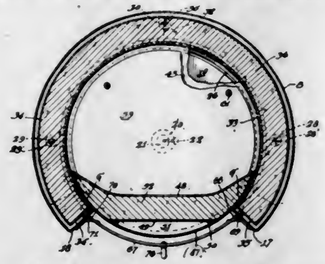


1. A cushion support member comprising a flat heel-shaped sheet metal plate having integral spring fingers depending therefrom, means on said plate for receiving fasteners, means on said spring fingers for receiving fasteners, one of said means non-rotatably receiving a plurality of fastening elements, each of said fastening elements adapted to be engaged by an interfitting separable fastening member, and a flange depending from said plate and extending around the entire edge thereof.

2,078,552
REFRIGERATOR
George H. Young, Oak Park, Ill.
Application January 11, 1935, Serial No. 1,317
15 Claims. (Cl. 312—189)

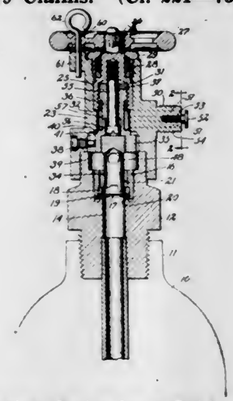
1. In a refrigerator, an upright wall providing a refrigerator compartment open at the top, bottom and front, a rotatable part including means for closing the open top, bottom and front, and means for moving said upright wall to and from engagement with said rotatable part whereby said rotatable part may be rotated to move the

means thereon closing the open front of said refrigerator compartment from closing position to



thereby afford access into said compartment through said open front.

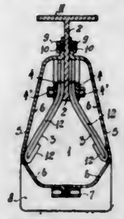
2,078,553
DISCHARGE HEAD FOR FLUID CONTAINERS
Scott E. Allen, Glen Ridge, and John Elmer Rennert, Springfield, N. J., assignors to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Application September 22, 1934, Serial No. 745,024
Renewed July 21, 1936
19 Claims. (Cl. 221—73.5)



1. A releasing device for a fluid container having an opening and a sealing disk normally closing the opening, said device comprising a hollow body having a discharge port, a tubular cutter mounted to slide axially in the body to puncture said disk and convey the fluid from the container to said port, and means for preventing the cutter from turning while puncturing the disk, said cutter having a cutting edge in the form of a single continuous helix.

2,078,554
ELASTIC WHEEL FOR VEHICLES IN GENERAL
Carlos Manuel Arce, Buenos Aires, Argentina
Application September 19, 1934, Serial No. 744,677
In Argentina November 6, 1933
5 Claims. (Cl. 152—28)

1. An elastic wheel for vehicles comprising in combination with a wheel supporting member, a central disc adapted to be mounted on said wheel supporting member, a surrounding housing slidably mounted on said disc, partly enclosing the same and adapted to serve as tire member, said housing having a converging peripheral portion, and a plurality of pairs of diverging elastic plates within said housing peripherally secured at one end to said central disc, the diverging free ends being in frictional contact with the walls of the converging portion of said



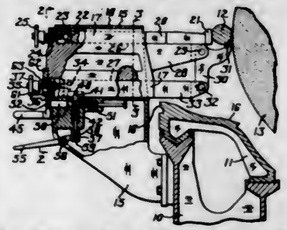
housing, whereby the contact between said housing and said disc will be maintained under initial compression and whereby said housing will be reciprocated and centrally displaced on said disc in absorbing shocks and vibrations.

2,078,555
PRODUCTION OF AMINES BY EMULSION METHOD
Cesare Barbieri, New York, N. Y.
No Drawing. Application April 30, 1934, Serial No. 723,209
15 Claims. (Cl. 260—127)

1. In the process of producing amines that improvement which comprises forming an emulsion of a halide of a lower aliphatic hydrocarbon in liquid state and ammonia, and then heating said emulsion to cause the formation of an amine hydrohalide.

15. In the process of producing an amine that improvement which comprises forming an emulsion containing aqua ammonia and ethyl bromide and subjecting said emulsion to relatively low heat at a temperature of about 100° C. in a closed vessel to cause the formation of ethyl amine hydrohalide.

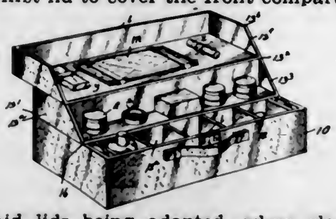
2,078,556
STEADYREST FOR GRINDING MACHINES
Albert G. Belden, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 5, 1935, Serial No. 53,017
10 Claims. (Cl. 51—238)



1. A steadyrest for grinding machines comprising a frame, a member movably mounted on said frame, a work steadying shoe adjustably mounted on said member, means to adjust the shoe relative to the member, yieldable means arranged to move said member to an inoperative position, and a locating device to locate and hold said member in a fixed operative position on said frame.

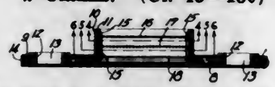
2,078,557
LADY'S TRAVELING CASE
Germaine M. Bjorkman, New York, N. Y.
Application November 27, 1936, Serial No. 112,927
4 Claims. (Cl. 190—51)

1. A suitcase or the like comprising a body formed with a rear compartment for articles of wear and front compartments for bottles or other containers, a lid having top and side walls hinged to the body to cover the rear compartment and a lid having top and side walls hinged to said first lid to cover the front compartments,



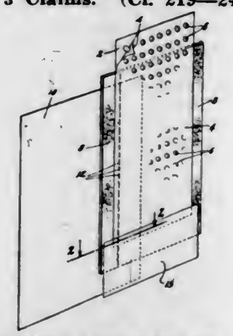
both said lids being adapted, when closed, to bear with their side walls upon and to be in alinement with one another, said first named lid having a partition formed with a forwardly extending ledge parallel to the top of said lid and serving as shelf for toilet articles.

2,078,558
CARBURETOR SCREEN
Raleigh A. Borell, Berkeley, Calif.
Application July 1, 1935, Serial No. 29,320
2 Claims. (Cl. 48—180)



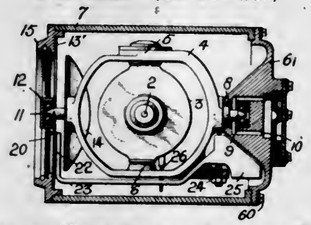
1. A carburetor screen comprising a gasket-like body provided with a circular opening therein and a sleeve extended axially from said body and having one end in register with said opening, said sleeve being of a diameter to fit the interior of the intake manifold of a carburetor, a plurality of spacing rings fixedly secured to the inner surface of said sleeve in axially separated relation, and screens located between said spacing rings, each screen consisting of a group of straight resilient wires maintained in spaced parallel relation and in a common plane, but extended at an angle with respect to the angles of extension of the respective groups of wires of the other screens.

2,078,559
PERMANENT WAVING APPARATUS
Milton Burton, New York, N. Y., assignor, by mesne assignments, to Eugene, Ltd., New York, N. Y., a corporation of New York
Application October 10, 1933, Serial No. 692,962
3 Claims. (Cl. 219—24)



1. An electrolytic heater for use in permanent waving of human hair including in combination a pair of electrodes, one of which is formed from aluminum, and an electrolyte absorbent positioned between said electrodes, said absorbent being moistened with a solution containing hair waving positive ions and halide ions capable of attacking the aluminum.

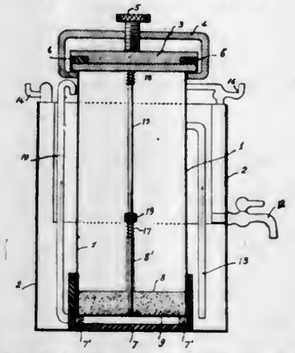
2,078,560
ARTIFICIAL HORIZON
Bert G. Carlson, Queens Village, N. Y., and Leslie F. Carter, Leonia, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 26, 1932, Serial No. 639,600
5 Claims. (Cl. 33—204)



1. In an artificial horizon for aircraft, a rotor bearing frame, a gimbal ring supporting said frame for oscillation about a horizontal axis extending transversely of the aircraft, an outer casing in which said gimbal is pivoted about a fore and aft horizontal axis at the front and back of said casing, a horizon bar pivotally mounted on said gimbal and having the forward end extending at right angles thereto and lying to one side of and behind said forward pivot, and circular cam and slot means connecting said frame and bar to rock the bar up and down on pitching of the craft, while permitting somersaulting without disturbing the gyroscope.

4. The combination with a free gyroscope and its enclosing casing, of a lock therefor comprising a flat spring normally adapted to lie against the casing and having a raised lip, and a detachable rod insertable from without the casing for engaging said lip and raising the spring to lock the gyroscope.

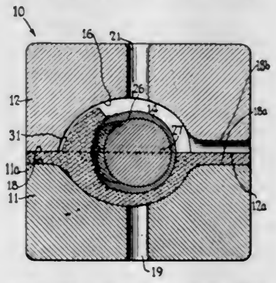
2,078,561
APPARATUS FOR MAKING INFUSIONS
Eubole Cavalletti, Milan, Italy
Application May 6, 1936, Serial No. 78,076
In Italy May 13, 1935
3 Claims. (Cl. 53—3)



1. An apparatus for making infusions, comprising two coaxial vessels which are thermally insulated from each other and are arranged one

within the other, the external one of said vessels being intended to contain the extracting liquid, two filters arranged in the internal one of said vessels and adapted to hold between them the substance of which an infusion is to be made, a tube dipping into the bottom part of the external one of said vessels and communicating with the upper part of the internal one of said vessels, means for causing to be exerted on the extracting liquid, when said extracting liquid is heated to the required temperature, sufficient pressure to cause said extracting liquid to pass from the external one of said vessels, through said tube and into the internal one of said vessels, a reservoir in the space between said vessels, and a tube extending from between the bottom one of said filters and the bottom of the external one of said vessels and adapted to discharge the infusion into said reservoir.

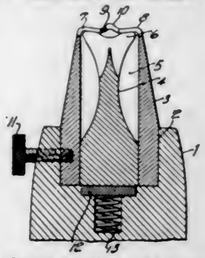
2,078,562
CASTING
Abraham Cohen and Abraham Evans, New York, N. Y.
Application December 15, 1936, Serial No. 115,964
11 Claims. (Cl. 22—114)



1. A process of the character described consisting in placing a model of the ultimate article to be cast between mold casing sections having registering depressions forming a space surrounding said model, blocking out all of said space with a plastic material, except that portion of the space which is adjacent a portion of the model for which a mold section is to be made, and then pouring a casting material into said portion of said space to form a mold section for said portion of the model, then while leaving the model and mold section already cast in place, removing an adjacent portion of the blocking out material to expose a different portion of the model and pouring the casting material into the space formed by removing the blocking out material to form a separate mold section for said last portion of the model contiguous to the first mold section.

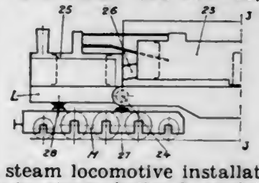
2,078,563
SHAVING APPARATUS
Bernard F. Connolly, New York, N. Y.
Application January 14, 1935, Serial No. 1,637
12 Claims. (Cl. 30—43)

11. A shaving device comprising a fixed outer hollow guard member with supporting walls at the sides thereof and being transversely slotted with teeth extending thereacross and supported at their opposite ends by said walls, an inner movable cutter member fitting centrally within said hollow outer member and being transversely slotted, said inner and outer members being in contact at transversely spaced shearing areas but being spaced from each other at the intervening area a sufficient distance to permit the free entrance of hairs and to provide



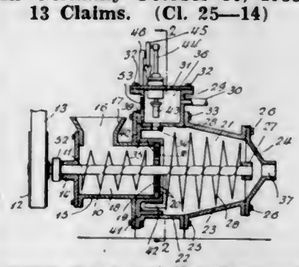
a longitudinally extending non-cutting comb area between the spaced cutting areas, and means for operating said movable member.

2,078,564
MULTIPLE UNIT STEAM LOCOMOTIVE WITH BOILERS ARRANGED IN THERMAL CASCADE AND WITH CYCLES EQUILIBRATED BY THERMAL VALVES
Pietro Crosti, Milan, Italy
Application June 2, 1933, Serial No. 673,950
In Italy July 21, 1932
2 Claims. (Cl. 105—40)



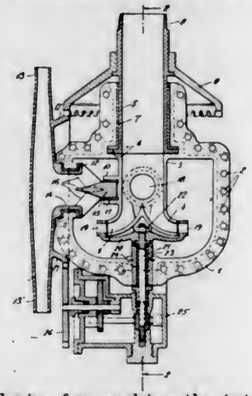
1. In a steam locomotive installation provided with a main steam boiler heated by the gases of combustion from a firebox, said main steam boiler having two steam collecting drums, two auxiliary steam boilers of smaller individual capacities than the main steam boiler, flexible conduits of smaller diameters than said boilers interposed between said main steam boiler and the auxiliary steam boilers in order to carry the hot gases of combustion from said main boiler to said auxiliary boilers so as to heat the latter, a main frame supporting said main steam boiler, and a pair of spaced bogies individually located beneath and supporting the ends of said main frame and also individually supporting said auxiliary boilers, there being a plurality of axles supporting said bogies and having wheels thereon.

2,078,565
VACUUM PRESS AND THE LIKE
Emanuel Dürst and Oskar Dürst, Liestal, and Max Thieme, Magdeburg, Germany
Application November 2, 1934, Serial No. 751,188
In Germany October 30, 1933
13 Claims. (Cl. 25—14)



1. A vacuum press and the like comprising a casing, a rotary screw within said casing, means forming a degassing chamber, another rotary screw within said chamber, a perforated separating wall situated between said degassing chamber and said casing, means forming a vacuum chamber, said vacuum chamber being connected by a passage with said degassing chamber, and means connected with the second mentioned screw for removing a plastic material from said passage.

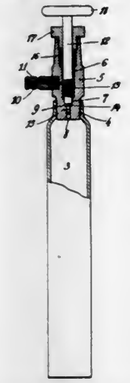
2,078,566
APPARATUS FOR WASHING THE INTERIOR OF TANKS
William D. Fletcher, Staten Island, N. Y., assignor, by mesne assignments, to Butterworth System Incorporated, a corporation of Delaware
Application September 12, 1933, Serial No. 689,157
8 Claims. (Cl. 299—67)



4. In a device for washing the interior of ship tanks and the like, a spray head comprising a fixed body, a hollow movable body and fluid jet forming means rotatively mounted on said movable body communicating with and adapted to receive fluid from the interior thereof, means for rotatively securing the movable body to the fixed body coaxially therewith for rotation about their center line, a central passage for fluid through said fixed body, a fluid tube within said movable body communicating with said passage and with the interior of said movable body including means for diverting a portion of the fluid in the fluid tube to said jet forming means without substantial diminution of velocity, means for directing the remaining portion of the fluid in the fluid tube to a means rotatively mounted within said movable body for converting the pressure energy of that portion of the fluid in rotative motion of said rotatively mounted means, means exteriorly secured to said movable body operatively connected to said energy conversion means and translating the rotative motion thereof to effect rotation of the jet forming means with respect to the movable body, and means cooperating with the motion translating means to rotate the movable body relative to the fixed body.

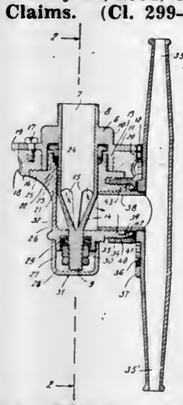
2,078,567
OXYGEN EMERGENCY APPARATUS
Richard V. Foregger, Roslyn, N. Y.
Application July 17, 1936, Serial No. 91,038
1 Claim. (Cl. 221—73.5)

An apparatus of the character described comprising a cylinder for containing gas under pressure, a manually operated gas control valve secured to the cylinder in axial longitudinal relation, said valve comprising a valve body provided with a valve chamber including an interiorly threaded portion communicating at its lower end with a restricted bore forming a valve seat and a cylindrical valve inlet communicating with the said cylinder, a valve outlet communicating with the valve chamber in the threaded portion thereof a distance above the said valve seat, a valve stem within the said valve chamber in threaded engagement with the threaded portion thereof,



said valve stem having a valve seat portion for engaging the valve seat aforesaid to close the valve and a cylindrical valve pin closely fitted within the said cylindrical inlet passage, the spaces between the said pin and passage and the spaces between the threads of the valve stem and the threaded portion of the valve chamber forming exclusive gas passages leading from the cylinder to the said gas outlet and a handwheel for rotating the valve stem to position the threaded portion thereof between the valve inlet and the valve outlet.

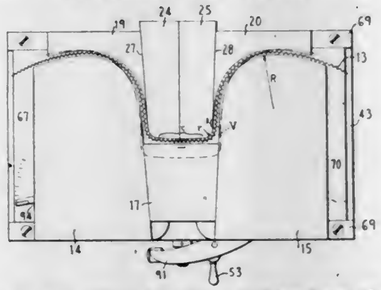
2,078,568
APPARATUS FOR WASHING TANKS
Leonard B. George, Staten Island, N. Y., assignor, by mesne assignments, to Butterworth System Incorporated, a corporation of Delaware
Application February 24, 1934, Serial No. 712,694
6 Claims. (Cl. 299—68)



2. In a spray head for use in washing the interior of tanks, a fixed body and a movable body adapted to rotate about the common center line, communicating passages for liquid within each body, a fixed gear on the fixed body and a second gear thereon arranged for fixed or movable rela-

tion to said fixed body, said second gear having two sets of gear teeth thereon of which one set is mutilated, liquid reaction jets on the movable body for driving a gear meshed with said second gear through one set of teeth, jet forming nozzles, mounted upon said movable body, supplied with liquid therefrom and arranged to rotate with respect to said movable body about a center line angularly disposed to that of said movable body, a gear on said nozzles meshing with the mutilated set of teeth on said second gear and with the fixed gear, whereby rotation of the nozzles about the center line angularly disposed to that of the movable body, and rotation of the movable body and the nozzles about the center line of the fixed body may be effected simultaneously.

2,078,569
ADJUSTABLE DIE AND BLADE FOR THE SAME
Merle E. Halstead, Owego, N. Y.
Application July 10, 1935, Serial No. 30,646
20 Claims. (Cl. 164—31)



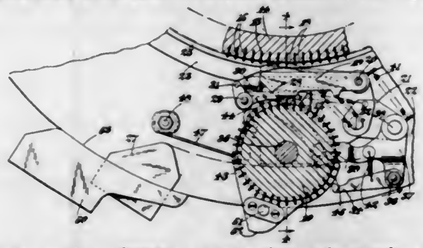
19. In an adjustable die, a holder for a flexible blade including clamping means for holding the blade to a desired conformation, mechanism for shifting the clamping means to adjust the conformation of the blade, a handle for operating the shifting mechanism, and another handle for operating the clamping means, the clamping handle being located in position to interfere with the operation of the adjusting handle when the blade is clamped.

2,078,570
WOOD PRESERVATIVE OIL
August Holmes, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 6, 1933, Serial No. 674,521
7 Claims. (Cl. 21—45)

1. Process for preserving wood comprising impregnating wood with a solution of creosote in a petroleum oil acid sludge distillate oil.

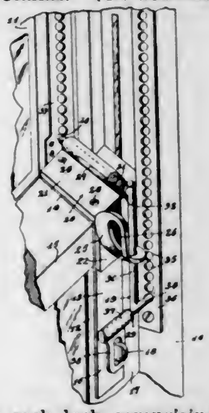
2,078,571
KNITTING MACHINE PATTERN CONTROL MECHANISM
Henry Harold Holmes, Leicester, England, assignor, by mesne assignments, to H. Brinton Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 31, 1935, Serial No. 47,681
In Great Britain November 2, 1934
20 Claims. (Cl. 66—50)

1. A circular knitting machine comprising in combination a needle cylinder, needles therein, pattern control mechanism comprising a rotating element additional to the needle cylinder, driving means for said rotating element and a selective control for said driving means comprising together a member which is provided with annularly disposed teeth and which is operatively connected with said rotatable element, two oppo-



sitely acting driving pawls for selectively and alternatively engaging said teeth, means relatively rotatable with respect to the pawls about the axis of the cylinder for actuating said pawls, and means for rendering either one of said pawls inoperative at will.

2,078,572
DUPLEX TAMPERPROOF SASH LOCK
John Jacob, New York, N. Y.
Application May 27, 1936, Serial No. 82,105
2 Claims. (Cl. 292—68)

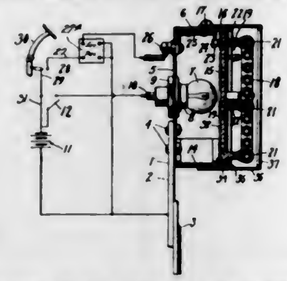


1. A duplex sash lock comprising a mounting plate adapted to be mounted upon the upper stile of the lower sash of a window, said mounting plate including a sleeve, a locking pin revolubly and reciprocably mounted in the sleeve and adapted to cooperate with the apertures of a strike plate on the upper sash, a rod integrally connected with the pin, said rod extending in a plane parallel with the vertical stile of the lower sash, and terminating in a right angularly disposed locking pin adapted to cooperate with an apertured strike plate mounted on the window frame, and camming means engageable with said rod for retracting said first named locking pin upon swinging movement of the rod and second locking pin.

2,078,573
COMBINED TAILLIGHT AND STOP LIGHT
Arthur A. Johnson, Bridgeport, Conn.
Application January 3, 1931, Serial No. 506,351
13 Claims. (Cl. 177—329)

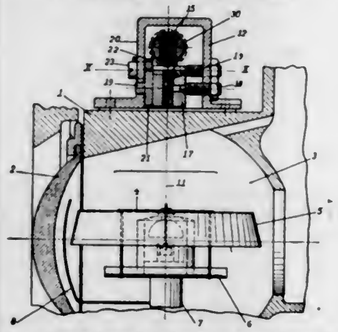
13. A signal unit having an open-faced casing; a lens closing the open-face of the casing;

a luminous-gas tube shaped to substantially cover the lens and supported on the exterior side there-



of, said tube being normally colorless but producing a colored light when energized; and a source of illumination located in the casing.

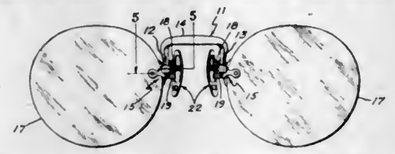
2,078,574
COMPENSATING DEVICE FOR MAGNETIC COMPASSES
Paul Kollsman, New York, N. Y.
Application April 20, 1933, Serial No. 667,071
2 Claims. (Cl. 33—225)



1. In combination in a compensating magnetic compass, a compass card having a pair of symmetrically positioned diametrically opposed compass needle magnets; means for swivelling said compass card and for defining its axis of rotation; a first compensating bar magnet; rotary means adjustably mounting said compensating bar magnet to tilt from a position with its axis aligned with the axis of rotation of said compass card to a position at right angles thereto; a second compensating bar magnet locally of greater pole strength than said first compensating bar magnet; and rotary means adjustably mounting said second compensating bar magnet farther away from said compass card than is said first bar magnet and to tilt from a position with its axis aligned with the axis of rotation of said compass card to a position at right angles thereto and at right angles to said first compensating bar magnet in its extreme tilted position.

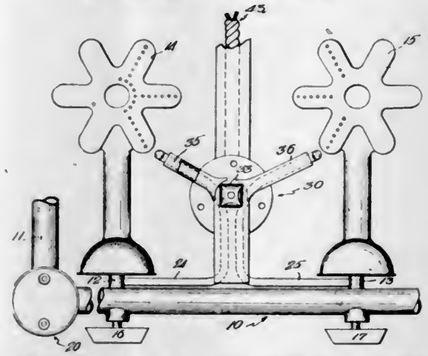
2,078,575
EYEGLASS MOUNTING
Osmond Y. Ladd, Danbury, Conn.
Application March 19, 1935, Serial No. 11,802
7 Claims. (Cl. 88—50)

3. In an eyeglass mounting, a bridge including a pair of downwardly extending spaced arms, lens holders on the outer sides of said arms, supports formed separate from the arms, means for attaching the supports to the arms at the inner sides of said arms whereby said supports may be located at any desired position on the arms, and



a pair of oscillating arms pivoted on said supports and each carrying a nose piece.

2,078,576
GAS LIGHTER
Louis Laghetto, Somerville, Mass., assignor to Albert B. Tenney, Lexington, Mass.
Application February 20, 1934, Serial No. 712,175
6 Claims. (Cl. 175—115)

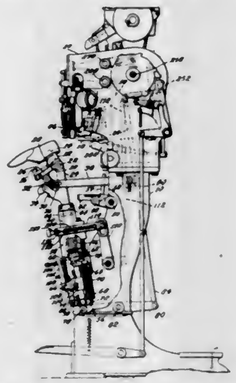


1. Apparatus of the class described comprising a supply line, a gas burner connected to said supply line, an electrical valve in said supply line, a pilot tube connected to said supply line between the valve and burner, the open end of said pilot tube being juxtaposed to said burner, said pilot tube having a longitudinally extending series of spaced apertures adjacent to its open end providing a gas trail when said valve is open, and ignition means comprising an electrical ignition element spaced from said burner and a tubular member extending from said ignition element to one of said apertures, said tubular member being effective to conduct gas from said gas trail to the vicinity of said ignition element, said ignition element being operative simultaneously with the opening of said valve to ignite and maintain ignited gas escaping from said pilot tube.

2,078,577
SHOE SUPPORTING MECHANISM
Robert H. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application March 30, 1936, Serial No. 71,671. Divided and this application July 6, 1936, Serial No. 89,196
3 Claims. (Cl. 12—126)

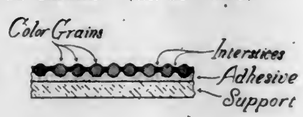
1. In a shoe making machine, a jack movable between an operative position in the machine and an inoperative position remote from the operating instrumentalities of the machine, said jack comprising a jack post and a last-carrying head pivoted to said post on an axis extending laterally of a last on said head, whereby a last on the jack may tip downward toward the operator when in the said inoperative position for convenience in

placing a shoe thereon, mechanism connecting the last-carrying head, at a point remote from its said pivotal axis, to the jack post, and arranged to rotate the head about its pivot to move a last thereon between a position with its bottom substantially perpendicular to the jack axis and the said position in which it is substantially tilted on the jack, and a link connecting the said mechanism to the machine frame and arranged to operate the said mechanism when the main body



of the jack moves into or out of the machine, the connection at one end of the link being frictional, whereby when the jack post is moved toward the machine to place a shoe on the jack in operative relation to the machine, the bottom of the shoe is brought into the said perpendicular position during the early part of said jack movement, the link slipping through its frictional connection during the remainder of said jack movement.

2,078,578
COLOR PHOTOGRAPHY
Berne Lugrin, Boston, Mass., assignor by direct and mesne assignments, to Vitachrome Film Corporation, a corporation of Massachusetts
Application February 5, 1934, Serial No. 709,725
14 Claims. (Cl. 95—81.5)

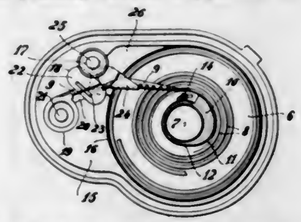


Cross-Sectional View Showing the Adhesive Welling up Between the Color Grains, Preventing Overlapping

1. A color screen comprising a support, a colorless adhesive attaching thereto a single layer of solidly-colored particles of two colors, said particles projecting through a layer of a differently colored medium.

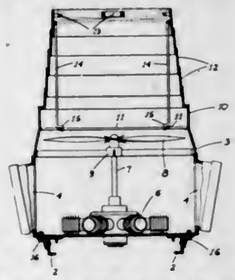
2,078,579
FILM SPOOL AND DEVELOPING TANK
Christian Luz, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application April 2, 1936, Serial No. 72,228
In Germany April 23, 1935
4 Claims. (Cl. 95—90.5)

1. A film developing tank having recesses for receiving a film spool and a film cartridge, a film canal connecting said recesses and film cutting and film guiding means supported in said film



canal in operative relation to the film passing from the said cartridge to the said spool.

2,078,580
SMOKE EXHAUSTER
Loyal C. Moore, Sacramento, Calif.
Application April 10, 1936, Serial No. 73,701
5 Claims. (Cl. 169—1)



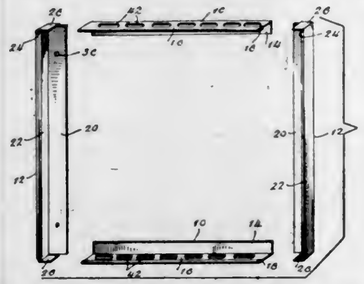
3. A fire fighting apparatus comprising a smoke exhauster which includes a casing having a side smoke intake opening and a top discharge opening, a collapsible smoke exhaust stack mounted in connection with the casing and extensible upwardly from said top opening, the stack comprising ring-like sections fitting within each other, a collar on the top of the casing in which said sections are substantially enclosed when collapsed, a driven horizontal fan mounted in the casing adjacent and below the collar, and means to retain the stack sections in the collar when the stack is collapsed.

5. A fire fighting apparatus comprising a smoke exhauster which includes a casing having a side smoke intake opening and a top discharge opening, a fan in the casing set on a vertical axis above the side opening, and a self-contained power plant requiring fresh air for its operation, directly connected to the fan to drive the same and mounted in the casing on a level substantially below said side opening.

2,078,581
SHEET METAL FRAME
Geza Muller, Hillside, N. J.
Application December 5, 1935, Serial No. 52,953
1 Claim. (Cl. 312—141)

A frame of the character described comprising similar end members and similar side members, each of said members being stamped and formed out of sheet metal bent to form two flanges at substantially a right-angle to each other, one of the flanges being plain and the edge of the other flange being bent back upon itself to provide a reinforced edge, the reinforced edge of each of the side members falling short of the ends of the flange and said ends being bent over at substantially a right-angle to said

flange, the plain flanges of said end members being secured to the plain flanges of said side members, the ends of the reinforced edges of

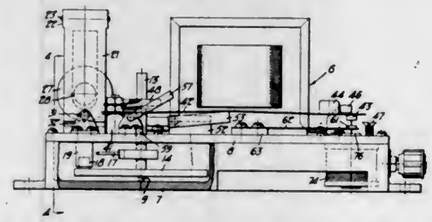


said end members being received and interlocked between said bent ends and the ends of the reinforced edges of said side members.

2,078,582
CYCLIC PROCESS OF PRODUCING AMINES OF UNSATURATED HYDROCARBONS
Morris S. Nafash, Union City, N. J., assignor to Cesare Barbieri, New York, N. Y.
No Drawing. Application November 1, 1933, Serial No. 696,152
6 Claims. (Cl. 260—127)

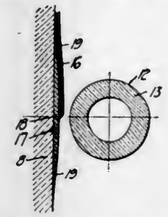
3. The cyclic process of producing alkylene diamines which comprises reacting an alkylene dibromide with ammonia to form a solid alkylene diamine hydrobromide, maintaining a temperature of about 160° C., removing said solid diamine hydrobromide, treating said solid diamine hydrobromide with caustic soda in solution to free the diamine and to form bromide of sodium, distilling the aforesaid to liberate the diamines, bringing the solution containing said bromide of sodium into reaction contact with chlorine gas to liberate bromine and to form chloride of sodium, introducing an unsaturated aliphatic straight chain hydrocarbon vapor into said solution containing said liberated bromine to produce a dibromide of an alkylene hydrocarbon containing the same number of carbon atoms as is in the diamine produced in the first step hereof, and recovering and recycling said alkylene dibromide to the first step for re-use in the formation of further amounts of solid alkylene diamine hydrobromide.

2,078,583
FLASHER
Edwin H. Pendleton, Venice, Calif., assignor to Econolite Corporation, Los Angeles, Calif., a corporation of California
Application April 10, 1933, Serial No. 665,311
2 Claims. (200—19)



1. A flasher comprising an electric flasher circuit, a pair of contacts controlling said circuit, a vibratile contact arm carrying one of said contacts, a second vibratile contact arm carrying the other of said contacts, a periodically effective timing means for imparting a succession of regularly recurring driving impulses to said contact arms, and an abutment for varying the initial point of flexure of one of said contact arms to vary the frequency of vibration of said contacts.

2,078,584
SIGN
Edwin H. Pendleton, Venice, Calif., assignor to Econolite Corporation, Los Angeles, Calif., a corporation of California
Application July 2, 1935, Serial No. 29,493
3 Claims. (Cl. 40—132)



1. A sign comprising a casing, a gaseous discharge tube source of light in said casing, a light transmitting indicia plate on said casing overlying said source of light, and a pigment shield on said plate in registry with said linear source of light and gradually varying in density from a maximum adjacent the center thereof to a minimum away from the center thereof.

2,078,585
SHEARS FOR CUTTING SHEET METAL
Frederic H. Rauh, South Orange, N. J., assignor to J. Wiss & Sons Co., Newark, N. J., a corporation of New Jersey
Application May 16, 1936, Serial No. 80,029
6 Claims. (Cl. 30—13)



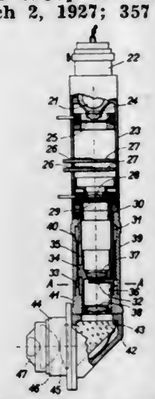
1. A tool for cutting sheet metal, embodying a pair of shanks provided with hand grips and connected by a transverse pivot and adapted to operate substantially at right angles to the plane of a sheet of metal, and carrying laterally expanded cutting blades disposed approximately at right angles to the plane of operation of the shanks and adapted to lie respectively above and below the sheet of metal in operative relation thereto, the cutting edges of the blades being deflected at an acute angle from a radius of the pivot.

2,078,586

DEVICE FOR ILLUMINATING MICROSCOPIC OBJECTS

Robert Richter, Jena, Germany, assignor to the firm Carl Zeiss, Jena, Germany

Application December 24, 1934, Serial No. 759,002
In Germany December 23, 1933
3 Claims. (Cl. 88—40)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



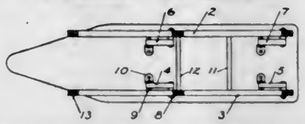
1. A device for illuminating microscopic objects, comprising a housing, a source of light, a lamp condenser, an additional optical system, the said source of light and the said optical parts of the device being disposed in the said housing, a microscope condenser, this microscope condenser being connected to the housing, the said additional optical system consisting of three lenticular members, the one of these members being rigidly mounted in the said housing and the two other of these members being rigidly interconnected and displaceably mounted in the housing, the first said member lying between the said two other members, and means for displacing the displaceable part of the said additional optical system in the said housing in the direction of the axis of the pencil of illumination rays, the said additional optical system being so disposed between the said lamp condenser and the said microscope condenser that the said source of light is reversely imaged by means of the lamp condenser between this lamp condenser and the additional system, and that this reverse image of the source of light is reversely imaged by means of the additional optical system in a variable size.

2,078,587

FOLDABLE SUPPORT FOR IRONING TABLES

Charles W. Sadenwater, Saginaw, Mich., assignor to Saginaw Manufacturing Co., Saginaw, Mich., a corporation of Michigan

Application August 3, 1936, Serial No. 93,991
2 Claims. (Cl. 38—114)



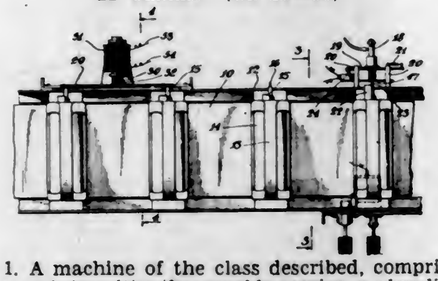
2. In an ironing table comprising a board having legs hinged thereto and skids pivotally connected to the ends of the legs and arranged for movement forward and backward parallel to the board; in combination, cross bars connecting the skids in spaced relation at a place adjacent the said pivotal connections and in the path of angular movement of the legs, said cross bars being positioned for engagement by said legs when the legs are in beyond center position, inclined relatively to a vertical plane through the said pivotal connections to the skids, said cross bars being adapted to keep the legs from further angular movement when the apparatus is subjected to the stresses incident to its use.

2,078,588

PRESS DEFLATING MECHANISM

John Frederick Smith, Quincy, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware

Application January 31, 1935, Serial No. 4,271
11 Claims. (Cl. 12—36)



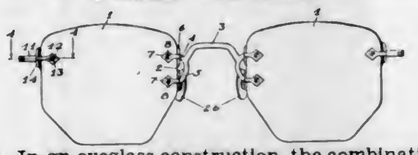
1. A machine of the class described, comprising an intermittently movable carrier, a plurality of inflatable presses mounted on said carrier for movement therewith, an air control valve on each of said presses, means for inflating said presses, deflating means movable into and out of deflating relation with an opposed valve, a solenoid for effecting one of said movements of the deflating means, and means for energizing said solenoid in timed relation with the movements of said presses.

2,078,589

EYEGLASS CONSTRUCTION

Fred H. Soden, Rochester, N. Y., assignor to Continental Optical Company, Inc., Rochester, N. Y., a corporation of Indiana

Application April 3, 1935, Serial No. 14,525
5 Claims. (Cl. 88—43)



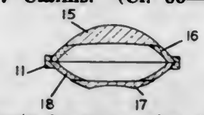
1. In an eyeglass construction, the combination with a pair of lenses having parallel straight edges at their ends, temples attached to the outer ends of the lenses at points adjacent to the upper edges thereof, a bridge of thin spring material constructed and arranged to flex only in a plane transverse to the lenses and including a horizontal portion and downwardly and outwardly extending portions located substantially in the plane of the lenses and terminating close to and in the plane of the lenses, of arms integrally and rigidly connected to the ends of said downwardly extending portions of the bridge and extending directly therefrom horizontally to the lenses, lens edge-engaging portions carried by said arms and engaging the edges of the lenses, and ears carried by said arms extending at right angles to the edge-engaging portions and engaging opposite surfaces of the lenses, said ears being attached to the lenses at points in line with the ends of said downwardly extending portions of the bridge, the said lens edge-engaging portions extending above and below said ears and said ears and lens edge-engaging portions being disposed adjacent to the upper edges of the lenses with the upper ends of the edge-engaging portions in line with the horizontal portion of the bridge, whereby movement of the lenses relatively to the bridge in the plane of the lenses is prevented and twisting of the ears relatively to the lenses is also prevented.

2,078,590

TELESCOPIC SPECTACLES

Bernard Spero, Chicago, Ill.

Application April 10, 1935, Serial No. 15,604
7 Claims. (Cl. 88—41)



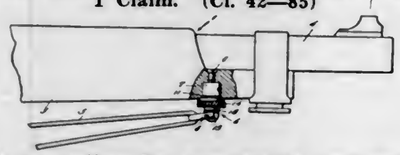
1. In a spectacle an eyewire, two transparent carrier members secured in said eye wire and two lenses, one secured to each of said carrier members, said carrier members holding said lenses in spaced relation.

2,078,591

RIFLE

Chester E. Sprague, Portland, Oreg.

Application May 21, 1936, Serial No. 81,099
1 Claim. (Cl. 42—85)



A connection for gun straps comprising a socket mounted in the stock of the gun, said socket having an opening in its inner end for the reception of a securing element, an external flange on the outer end of the socket engageable with the gun stock, a removable bearing threadedly mounted in the outer end portion of the socket, said bearing including an external flange on its outer end engaged with the outer end of the socket, an eye member rotatably mounted in the bearing, said eye member including a reduced shank journaled in the bearing, a flange on the eye member immediately adjacent the shank engaged with the outer end of the bearing, a reduced neck on the inner end of the shank, a collar mounted on said neck and engaged with the inner end of the bearing, a head on the free end of the neck for securing the collar on said neck and a loop mounted for swinging movement in the eye of said member.

2,078,592

OXIDATION PRODUCTS OF CYSTINE AND RELATED COMPOUNDS AND PROCESS FOR MAKING THE SAME

Gerrit Toennies, Narberth, and Theodore F. Lavine, Ardmore, Pa.

No Drawing. Application December 12, 1934, Serial No. 757,174
10 Claims. (Cl. 260—112)

1. Disulfoxides of disulfides of the general formula R—S—S—R, where R represents the radicals joined to the —S—S— group in cystine and its polypeptide derivatives, said disulfoxides having the general structure R—SO—SO—R.

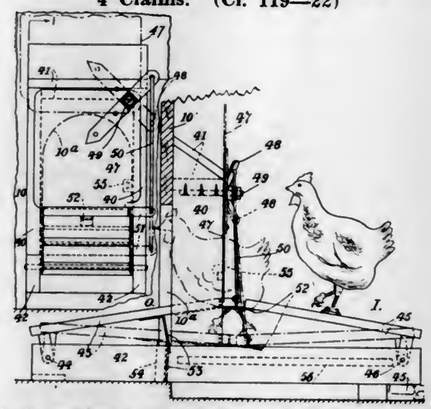
3. In a process for producing intermediate oxidation products of disulfides of the general formula R—S—S—R, where R represents the radicles joined to the —S—S— group in cystine and its polypeptide derivatives, the step which comprises the adjustment of the quantitative relations of the oxidizing agent, in the form of an organic peroxide, to the disulfide, in such a manner that oxidation will be limited substantially to the stage of the disulfoxide.

2,078,593

POULTRY HOUSE

Alexander Broadfoot Allan, Newton Stewart, and James Meldrum Howie, Dunlop, Scotland

Application February 9, 1935, Serial No. 5,820
In Great Britain February 10, 1934
4 Claims. (Cl. 119—22)



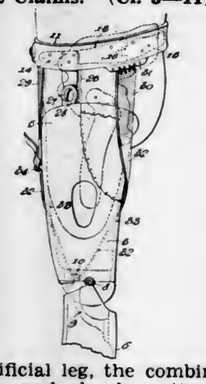
1. In or for a poultry house, a structure with an entrance and exit opening, a shutter for said opening movably mounted on said structure, outer and inner platforms pivotally mounted at their distal ends on said structure and nearly abutting at their proximal ends so as to afford a path through the opening, a part on one platform on which part the other platform is adapted normally to rest, and a connection between said other platform and the shutter such that the weight of a fowl applied to either platform opens the shutter, the arrangement being such that the normally resting platform can be turned at will into an inoperative position.

2,078,594

ARTIFICIAL LIMB

Louis H. Barghausen, Pittsburgh, Pa.

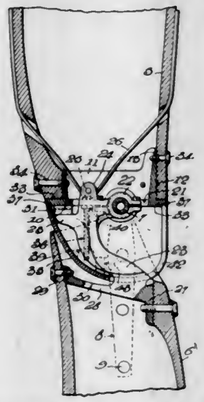
Application August 26, 1935, Serial No. 38,000
12 Claims. (Cl. 3—11)



1. In an artificial leg, the combination of articulated thigh and shank sections, a support

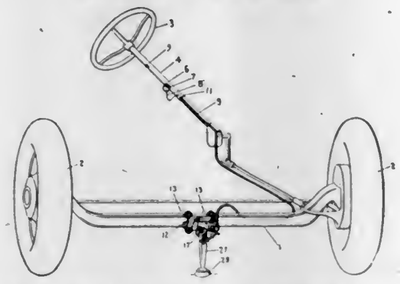
and control belt for encircling the hips of a wearer and including a rigid section comprising hingedly connected portions movable relatively to conform to muscular movement, and a rigid pivotal connection between the rigid section and the thigh section.

2,078,595
ARTIFICIAL LEG
Louis Herman Barghausen, Pittsburgh, Pa.
Application August 25, 1936, Serial No. 97,825
17 Claims. (Cl. 3—2)



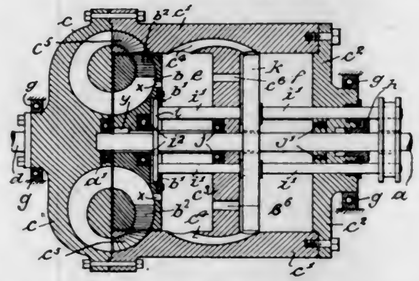
1. In an artificial limb, a shank section, a thigh section having in its lower extremity a substantially vertical cylindrical bore, and a knee forming a pivotal connection between said sections; said knee including a pivot bolt, a knee plate disposed substantially in a plane including the axis of the bolt and having a centrally disposed control device accommodating opening, control devices operable in said opening, a shallow cylindrical collar upstanding from the plate and adjustably receivable in the thigh section bore, and flange equipment disposed substantially in the plane of the plate externally of said collar and forming end abutment for said thigh section extremity.

2,078,596
MECHANISM TO AID STEERING
John Lester Barr, Chevy Chase, Md., and James C. Houghton, Washington, D. C.; said Houghton assignor to said Barr
Application November 13, 1933, Serial No. 697,850
Renewed July 3, 1936
22 Claims. (Cl. 280—150)



1. A device of the character described comprising a compression element adapted to exert lift on a vehicle from which it is suspended by driving the vehicle on the element, a cam cooperating with the element through movement of the element and guiding its motion during said driving of the vehicle on the element so that the lift near the point of initial contact of the element with the roadway shall be relatively small.

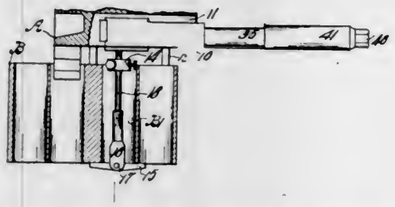
2,078,597
HYDRAULIC POWER TRANSMISSION MECHANISM
John Murray Beaumont, Huddersfield, England
Application November 23, 1933, Serial No. 699,459
In Great Britain November 25, 1932
4 Claims. (Cl. 60—54)



1. A hydraulic power transmission mechanism of the class described comprising driving and driven bladed members, one of said bladed members being retractable from the other, an unbladed portion of the second bladed member providing a motive fluid chamber arranged to receive the retractable bladed member when the same is retracted, said chamber providing fluid communication to the blades of said retractable member, said unbladed portion of said second member also serving to gradually screen from each other the blades of said members as the first member is retracted into the chamber of the second member whereby to gradually cut off the supply of motive fluid from the blades of the driving member to those of the driven member as said retraction takes place, there being a reservoir provided by the unbladed portion of said second member, a partition separating said reservoir and chamber and having ports opening therethrough, passages provided in the unbladed portion of said second member and leading from said reservoir to said chamber through the side walls thereof at a point between said partition and the blades of said second member, said passages receiving and transferring to said reservoir fluid from the blades of said first member when the same has been retracted, and said partition ports retransferring fluid to said first member blades through said chamber whereby to maintain a circuit when the blades of said first member are in cooperative relationship with said passages.

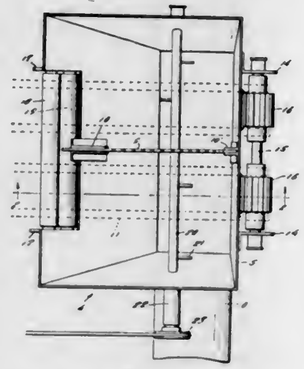
2,078,598
CLAMPING MEANS
John Y. Blazek, Maple Heights, and Richard J. Kuschel, Cleveland, Ohio, assignors to Lempco Products, Inc., Bedford, Ohio
Application November 5, 1934, Serial No. 751,562
2 Claims. (Cl. 77—2)

1. A work clamping means having a movable clamping member to engage a work piece, a movable clamp operating rod having one end thereof connected with said clamping member and having a head on the other end thereof, and an operating mechanism for moving said rod and said clamping member including a plunger axially movable in a clamping member and being in said head, a longitudinally movable wedge extending transversely through said plunger and through said head and adapted to move the same relatively and having a threaded shank, a nut threaded onto said



shank and held against longitudinal movement to move said wedge in either direction upon a corresponding rotative movement of the nut, and an extension sleeve telescoped over a part of said nut and having means to rotate the same and to lengthen and shorten said nut and to retain the sleeve on said nut.

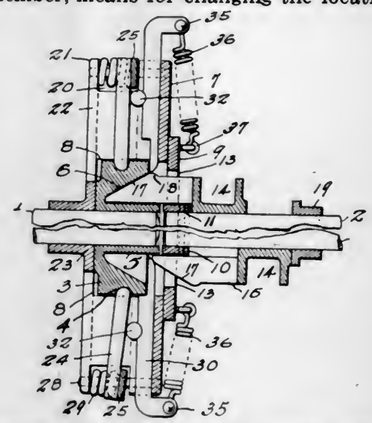
2,078,599
CEMENT SACK OPENING DEVICE
Irvin D. McCauley, Arp, Tex., assignor of one-half to George L. Blaxton, Shreveport, La.
Refiled for abandoned application Serial No. 718,481, March 31, 1934. This application June 16, 1936, Serial No. 85,607
5 Claims. (Cl. 214—1)



1. An apparatus for opening and dumping cement from bags, comprising a hopper, a centralized horizontally disposed bag opening saw rigidly mounted in the upper portion of the hopper, bag conveying means connected with said hopper, and disposed parallel to and alongside of said saw, and a stop plate for the conveyed bags, said stop plate extending from the rear wall of the hopper.

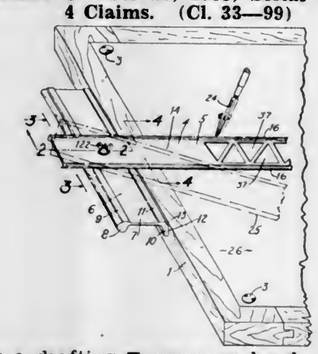
2,078,600
CLUTCH
Douglas Collins, Salisbury, N. C.
Application December 11, 1933, Serial No. 701,894
14 Claims. (Cl. 192—52)

1. The combination in a clutch with a driving member and an actuating member thereon and a driven member, of an oscillatable torque-lever operatively mounted between said members and in constant operative engagement with said actuating member, means for changing the location of



the fulcrum for said lever, and means for offering a resilient resistance to the actuation of said lever.

2,078,601
DRAFTING T-SQUARE
Richard H. Cutting, Cleveland, Ohio
Application October 25, 1935, Serial No. 46,772
4 Claims. (Cl. 33—99)

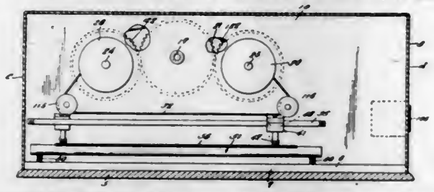


4. In a drafting T square, a head comprising a body in the form of an elongated web having generally parallel elevated bead portions extending longitudinally along opposite edges of the web and a depending flange along one longitudinal edge adapted to abut a drawing board edge, the bead portions having spaced pairs of aligned recesses therein, and a ruling edge portion secured to the head having corresponding bead portions for engagement with the recesses in the head to predeterminedly position the ruling edge portion on the head.

2,078,602
RESISTANCE COLOR CODE CHART
Mike Fedor, Jr., Dayton, Ohio
Application October 5, 1935, Serial No. 43,799
2 Claims. (Cl. 201—48)

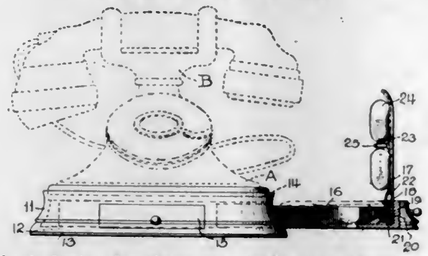
1. In combination, a casing having a sight opening therein, a movable chart in the casing having color combinations thereon representing different values of resistance, means for actuating the chart, a variable resistance device, said chart being in turn adapted to actuate the variable resistance device, the same consisting of an elongated resiliently supported resistance element and a contactor for riding engagement

thereon, a pair of rolls on which the said charts are wound, spool rotated by the said roll, a rib-



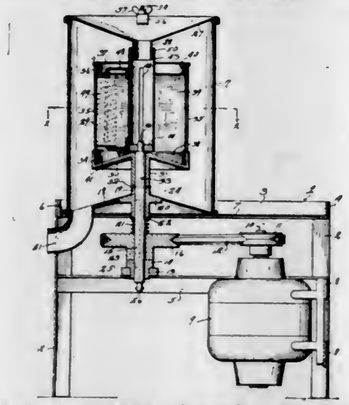
bon fed by the said spool, said ribbon being provided with a plurality of protuberances for engaging and driving the said contactor.

2,078,603
TIMING DEVICE FOR TELEPHONES
Milton Felstein and Joseph A. Ellegood, Washington, D. C., assignors of one-third to James S. Gibson, Washington, D. C.
Application November 28, 1936, Serial No. 113,243
3 Claims. (Cl. 161—19)



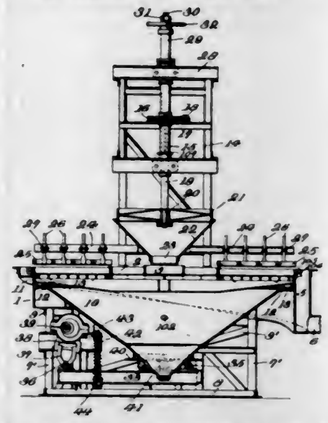
1. A device for the support of a telephone comprising a base mounting said support; a timing element, said timing element being hingedly carried by said base and held thereby in a normally concealed inoperative position, and means for releasing and swinging said element on said hinge to an exposed operative condition.

2,078,604
CENTRIFUGAL STRAINER
John E. Gage and Jacob K. Roedel, Pasadena, Calif.
Application December 10, 1935, Serial No. 53,826
9 Claims. (Cl. 210—63)



1. A strainer of the character described, comprising a receptacle having a bottom raised at its central portion, an outlet in the lower part of the cylinder, a shaft extending through the central part of said bottom into the cylinder and mounted for rotation, means for rotating the shaft, a cylindrical strainer unit mounted upon the shaft within the receptacle, said strainer unit having an imperforate bottom, means within the cylinder strainer unit for receiving material to be strained, said means being rotatable with the cylinder and casting the material by centrifugal action against the interior wall of the cylinder, means upon said cylinder bottom for picking up and casting against the wall by centrifugal action any material falling to the bottom of the cylinder, and a brush element carried by said material receiving means and engaging the wall of the straining cylinder, said material receiving means being adapted for rotation independently of the cylinder.

2,078,605
JIG
Ira B. Humphreys, Denver, Colo.
Application August 27, 1934, Serial No. 741,663
10 Claims. (Cl. 209—457)

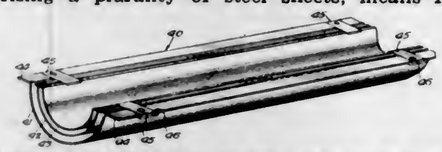


1. An improved concentrator of the pulsating jig type, comprising a stationary jig table having a circular foraminous bottom, a feed pan centrally located on said jig bottom, a feed for delivering a mixture of ore and water to said feed pan, a series of arms mounted for rotation in a horizontal plane above said jig bottom and carrying a plurality of scrapers having blades disposed at an angle to their direction of movement for moving material on the jig bottom towards the peripheral edge of said bottom, a chamber beneath said bottom and having its upper end yieldably connected to said jig table, the upper end of said chamber being of a diameter substantially that of the foraminous jig bottom, and means to periodically move said chamber upwardly and downwardly in respect to said jig bottom, for the purpose described.

2,078,606
THERMAL INSULATION FOR VALVED PIPE INSTALLATION
Joseph M. Le Grand, Heathsville, Va.
Application April 2, 1934, Serial No. 718,670
30 Claims. (Cl. 154—45)

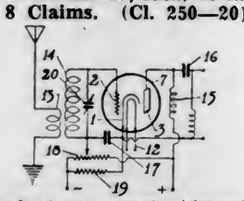
1. In structure of the class described, a plurality of self-contained units adapted to be mounted upon the structure insulated in enclosing relation with respect to the latter, said units

being mounted in annularly arranged groups with the several groups mounted closely adjacent each other in succession throughout the length of the structure insulated, each said unit comprising a plurality of steel sheets, means for



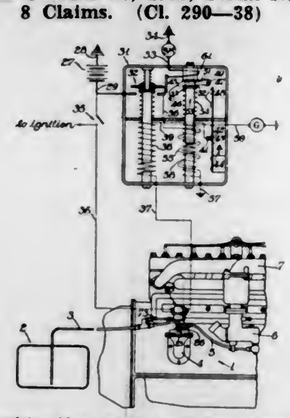
holding said sheets in spaced relation with respect to each other, and means for securing each group of units together and upon the structure insulated independently of other adjacent groups of units.

2,078,607
STATIC REDUCING SYSTEM
Fred. B. MacLaren, Hamden, Conn., assignor to Elizabeth Jane MacLaren, New York, N. Y.
Application December 19, 1932, Serial No. 647,852
8 Claims. (Cl. 250—20)



4. The method of reducing interference in a radio receiving system having a tuned first stage with an electric discharge device having a variable input conductance which consists in utilizing a negative input conductance for small signals and a positive or damping conductance for large signals.

2,078,608
AUTOMATIC STARTER CONTROL
Paul H. Maurer, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira Heights, N. Y., a corporation of New York
Application October 27, 1933, Serial No. 695,422
8 Claims. (Cl. 290—38)

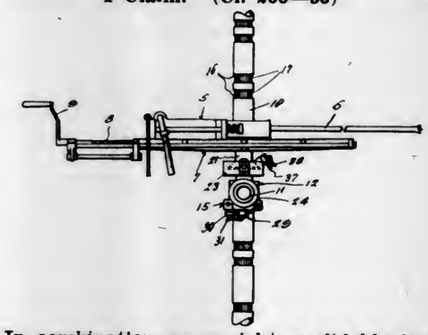


1. In combination with an internal combustion engine having a fuel system including an engine-driven fuel pump a starting system for the engine including a magnetic starting switch, a control circuit for said starting switch including a manual switch and a resistor having such a value as to limit the current in the control circuit to a holding value for the starting switch, a set of contacts normally bridging said resistance, means responsive to pressure generated by said fuel pump for opening said contacts, and means responsive to self-operation of the engine for deenergizing said control circuit.

2,078,609
REACTION PRODUCT OF GALLIC ACID AND A SOLUBLE TUNGSTEN COMPOUND AND A PROCESS OF MAKING IT
Aladar Pacz, Weehawken, N. J.
No Drawing. Application November 23, 1933, Serial No. 699,430. In Germany November 24, 1932
5 Claims. (Cl. 260—11)

4. As a new product, a highly plastic reaction product of gallic acid and a soluble tungstate compound in a proportion of gallic acid in excess of one part gallic acid to two parts tungstate compound, said product being highly plastic and having the property of acting as a binder for a relatively large quantity of finely divided substances, and rendering the mixture sufficiently plastic so that it can be readily shaped at low pressures.

2,078,610
DRILL MOUNT
Alex Park, Burke, Idaho
Application September 11, 1936, Serial No. 100,377
1 Claim. (Cl. 255—53)

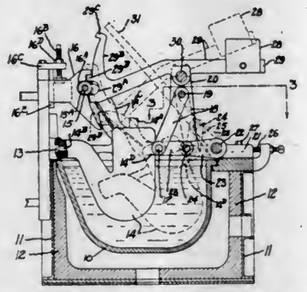


In combination, an upright, a slidable jacket on the upright, a horizontal arm projecting from the jacket, a drill, a carriage for the drill, a collar on the arm, detent means between the jacket and the upright and between the collar and the arm, a swivelled connection between the carriage and the collar, said detent means consisting in the provision of circumferential reductions on the upright and arm, teeth on the bottoms of the said reducements, and toothed followers on the jacket and collar feedable into the said reducements to engage the teeth therein.

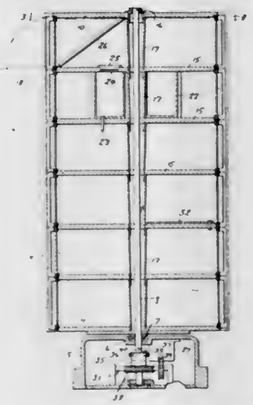
2,078,611
DIE CASTING MACHINE
Vladimir J. Sebek, Cicero, Ill.
Application July 29, 1935, Serial No. 33,721
5 Claims. (Cl. 22—69)

1. In die-casting apparatus, the combination of a molten metal container, a ladle having a discharge nozzle and adapted to be filled with molten metal from said container through said nozzle, a support mounted on said container and extending above said container, a pair of links pivotally mounted on said support for pivotally supporting the rear end of said ladle, means

pivotally mounted on said support above said container having a recess at one end thereof and a counter-weight at the other end thereof, an extension on the front end of said ladle, operable means on said container connected to said ladle and adapted upon movement in one direction to resist the pressure of said counter-weight and to cause a rearwardly and downwardly movement of said ladle into filling position within said container, the extension on the front end of the ladle being supported within the recessed end of said counter-weighted means during the filling of said ladle, and a vertically adjustable stationary support mounted on one end of said container adapted to receive and support said ladle front extension during the discharging operation of the ladle, said counter-weighted means tending to retain said ladle in raised position.

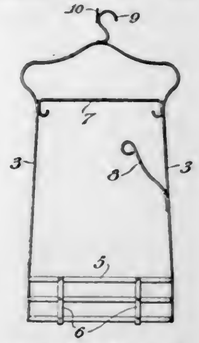


2,078,612
REVOLVING DISPLAY CASE
Charles F. Shisler, Wooster, Ohio
Application March 26, 1935, Serial No. 13,089
Renewed March 3, 1937
1 Claim. (Cl. 312—99.5)



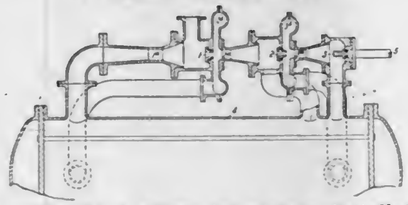
A case of the character described comprising a vertically disposed cabinet, a drive mechanism housing, a vertical shaft supported by the housing and supporting the said cabinet, means in the housing for rotating the said shaft, said cabinet being of polygonal shape in horizontal sections, said cabinet being provided with a plurality of horizontal shelves vertically spaced and tubular spacers on the shaft for spacing the shelves apart, said spacers being of tapered construction, with the lower reduced ends thereof fitting into the enlarged ends of underlying spacers, and each shelf resting upon the enlarged upper end of a spacer.

2,078,613
PORTABLE DEVICE FOR HOLDING WEARING APPAREL WHEN NOT IN USE
James Sieber, London, England
Application February 5, 1935, Serial No. 5,029
In Great Britain February 9, 1934
1 Claim. (Cl. 211—113)



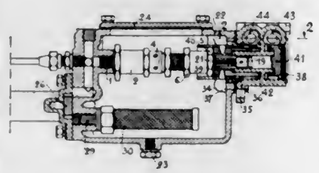
A portable combined garment hanger and basket comprising a coat or dress hanger yoke, a hook medially of said yoke for hanging the same from a support, a basket including a bottom and sides, the ends of said yoke extending downwardly in the form of arms amply rigid when supported at their bottoms to support the yoke with a coat or dress hung thereon, said arms being attached at their lower ends to medial portions of opposite sides of said basket so that when the yoke is suspended from a support the basket is suspended with the yoke and so that the basket serves as a support for the yoke to hold the same when the basket rests upon a floor, the ends of the yoke being disposed outwardly of said arms so that the latter do not interfere with a coat or dress hung on the yoke.

2,078,614
MULTISTAGE EJECTOR
James Sim, Cathcart, Glasgow, Scotland, assignor to G. & J. Weir, Limited, Glasgow, Scotland, a corporation of Great Britain
Application November 25, 1935, Serial No. 51,545
In Great Britain February 5, 1935
1 Claim. (Cl. 230—104)



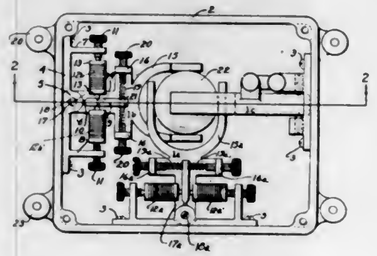
A multi-stage steam-jet ejector installation comprising an aligned series of ejector stages including an upstream ejector stage and a plurality of ejector stages located downstream of said upstream ejector stage, each ejector stage comprising a nozzle and a diffuser presenting a diffuser chamber and a throat opening into said diffuser chamber, the entrance end of the nozzle of each downstream ejector stage being located in such immediate proximity to the exit of the throat of the diffuser of the immediately preceding stage that the velocity of the jet through such nozzle is substantially equal to the velocity in the throat of the diffuser immediately upstream of such nozzle, a passage connecting each ejector stage with the discharge of the stage immediately downstream thereof, and a connection for supplying high pressure steam to the furthest upstream nozzle of the series.

2,078,615
DEVICE FOR ADJUSTING PRESSURE RELIEF DEVICES
Lucien Simon, Paris, France, assignor to Societe d'Exploitation des Brevets Lucien Simon (Amortisseurs Sanchok) (Societe Anonyme), Paris, France
Application December 28, 1934, Serial No. 759,599
In France June 7, 1934
2 Claims. (Cl. 64—1)



1. A removable device for controlling from a distance the position of two nuts movable with a screwing movement parallelly to each other and wholly enclosed within a casing containing a fluid under pressure and provided with an aperture adapted to be closed by a closure element, which comprises, in combination, a support adapted to fit in a fluidtight manner on said aperture so as to stop it, two tubular members of respective inner cross sections corresponding in shape and size to the respective outer cross sections of said nuts adapted to fit around said nuts when said support is fixed in closing position on said aperture, and means for independently controlling from a distance from the outside the angular positions of said tubular members with respect to said support.

2,078,616
REMOTE MEASURING DEVICE
Marshall A. Smith, Jr., South Bend, Ind., and Ford L. Prescott, Dayton, Ohio
Application October 14, 1933, Serial No. 693,688
4 Claims. (Cl. 177—351)

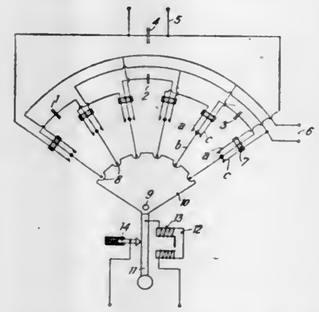


1. In an instrument adapted to be secured to a body whose motion is under observation, a frame, three measuring units mounted therewithin, said measuring units comprising bases pivotally supporting three forks normal to their face planes, each of said bases further including a centrally disposed flexible tongue respectively in adjustable engagement with differential pressure elements, measuring means secured thereto, each of said forks being yieldingly connected to an aforesaid tongue, and a spherical weight disposed within said forks, the diameter of said weight being just sufficient to freely slidably engage both prongs of each of the aforesaid forks.

2,078,617
FRICTION ELEMENT AND BOND THEREFOR
Ray E. Spokes, Ann Arbor, Mich., assignor to American Brakeblok Corporation, New York, N. Y., a corporation of New York
No Drawing. Application February 8, 1934, Serial No. 710,313
19 Claims. (Cl. 106—23)

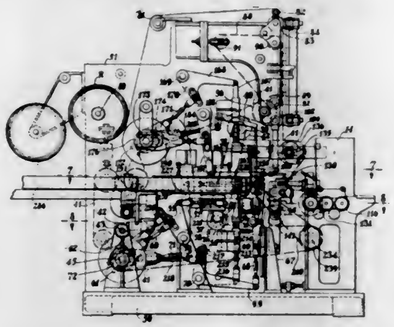
1. A heat, moisture, oil, and grease resistant non-squealing bond for friction elements and the like containing a uniform dispersion of rubber, a vulcanizing agent, and a condensation product of cashew nut shell liquid, an aldehyde and a substance for blanketing or retarding the rate of the condensing action and selected from the group consisting of cresylic acid, phenol and resorcinol, the product having a long chain of unsaturated linkages that combine with unsaturated linkages of the rubber in the cure of the bond to prevent oxidation of the rubber.

2,078,618
DIRECT-CURRENT TRANSFORMER
Berthold Springer, Berlin-Schoneberg, Germany
Application September 29, 1934, Serial No. 746,253
In Germany October 2, 1933
22 Claims. (Cl. 171—97)



22. An energy transfer system comprising a low voltage direct current circuit; a high voltage direct current circuit; a plurality of low voltage condensers; a high voltage condenser in said high voltage circuit; a switching device having contact means for connecting said low voltage condensers in parallel to said low voltage circuit at a predetermined position of said switching device; further contact means of said switching device for thereafter connecting said low voltage condensers in series and across said high voltage condensers at a successive position of said switching device while simultaneously disconnecting said low voltage condensers from said low voltage source; and means for periodically operating said switching device to secure a substantially steady energy transfer between said low voltage and high voltage circuits, said last means comprising an electro-mechanical vibrator operating said switching device.

2,078,619
WRAPPING MACHINE
John Van Buren, Brooklyn, N. Y.
Application November 9, 1935, Serial No. 48,969
20 Claims. (Cl. 93—2)



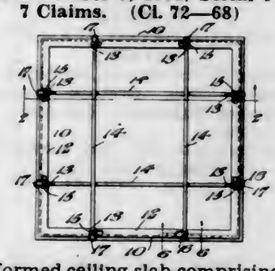
1. In a wrapping machine, a pocket having spaced walls adapted to receive therebetween an article and wrapper, means for feeding an article and wrapper into said pocket, means for moving said pocket and said article and wrapper therein, a distance corresponding to the width of the article, to a support, and means for raising the advance wall of the pocket, said pocket moving means operating to return the pocket to its initial position after the said wall is raised and said wall being lowered to its initial position after the return of the pocket.

2,078,620
WALL CONSTRUCTION
Frederick M. Venzie, Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware
Application August 14, 1933, Serial No. 684,965
5 Claims. (Cl. 72—46)



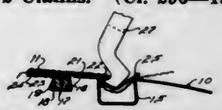
1. In a partition wall, vertically spaced fixed supports; guideways attached to each of said supports; studding; and means for resiliently mounting said studding within said guideways, said guideways preventing movement of said studding other than vertically.

2,078,621
SLAB
Frederick M. Venzie, Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware
Application December 5, 1931, Serial No. 579,327
7 Claims. (Cl. 72—68)



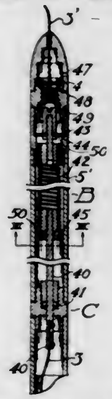
7. A preformed ceiling slab comprising a sound-penetrable cementitious body, a metal marginal supporting edge on said body, and a layer of felt secured to the upper face of said body.

2,078,622
METHOD AND MEANS FOR SECURING VEHICLE ROOF COVERS
Fred J. Westrope and Ralph N. Miller, Detroit, Mich., assignors to The Murray Corporation of America, a corporation of Delaware
Application January 26, 1935, Serial No. 3,552
2 Claims. (Cl. 296—137)



1. In combination with a vehicle body having a metal panel defining an opening, said panel being preformed near the edge of the opening to provide an outwardly presented channel, and a metal strip embodying a tacking strip secured to said panel to have a portion thereof project over said channel.

2,078,623
PRESSURE RECORDING DEVICE
Henry D. Wilde, Jr., Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 21, 1931, Serial No. 582,331
3 Claims. (Cl. 234—20)



1. A gauge device, comprising a casing having a closed chamber and a chamber opening to the

atmosphere, a wall separating the chambers, record receiving means disposed in the closed chamber, marking means extending slidably from the open chamber through the wall in fluid tight relation with respect to the wall into engagement with the record receiving means and spring means in the open chamber suspending the marking means whereby variation in fluid pressure within the open chamber alters the position of the marking means with respect to the record receiving means.

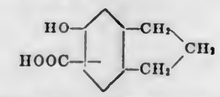
2,078,624
LADY'S HANDBAG
Lise Wolff, née Lise Saling, Berlin-Grunewald, Germany
Application November 1, 1935, Serial No. 47,742
In Germany June 17, 1935
2 Claims. (Cl. 150—1.7)



1. A handbag having cooperating fastener means on each side wall intermediate the top and bottom of the bag on the exterior thereof, means to detachably connect the fastener means, the portion of the bag below the fasteners being foldable within the bag to reduce its size, whereby said fastener means may be interconnected to retain the folded portion within the bag.

2,078,625
5-HYDROXY-HYDRINDENE-ORTHO-CARBOXYLIC ACID
Werner Zerweck, Ernst Korten, and Max Schubert, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 4, 1935, Serial No. 43,510. In Germany October 4, 1934
1 Claim. (Cl. 260—110)

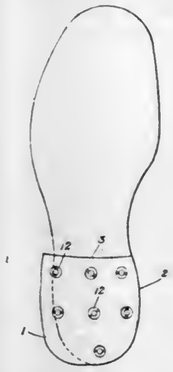
The 5-hydroxy-hydrindene - ortho - carboxylic acid of the formula:



which crystallizes in colorless needles of 198° C. melting point and yields with ferric chloride a dark navy blue coloration.

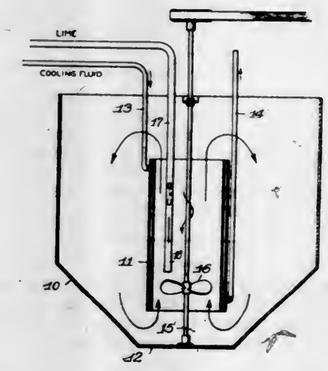
2,078,626
SHOE HEEL
Perry S. Bauer, Chicago, Ill.
Application December 3, 1934, Serial No. 755,710
14 Claims. (Cl. 36—2.5)

1. A shoe heel having a yielding projection extending the full length of the outer side and part of the rear thereof to aid in supporting the wearer and in preserving his balance when the



weight of the wearer is shifted onto that part of the heel.

2,078,627
MANUFACTURE OF DICALCIUM PHOSPHATE
Louis Block and Max Metziger, Joliet, Ill., assignors to Blockson Chemical Co., Joliet, Ill., a corporation of Illinois
Application June 7, 1934, Serial No. 729,358
12 Claims. (Cl. 23—109)

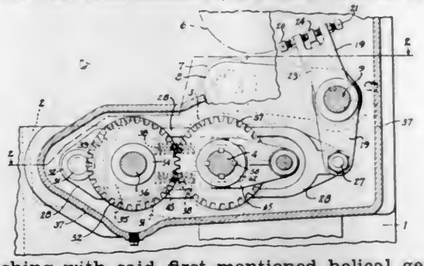


1. The process of forming dicalcium phosphate which comprises gradually adding calcium oxide to a solution of essentially monosodium phosphate under conditions which effect crystallization of some of the resulting disodium phosphate, and stopping the addition of calcium oxide while a substantial amount of monosodium phosphate remains.

2,078,628
PRINTING PRESS
Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application February 1, 1935, Serial No. 4,477
24 Claims. (Cl. 101—363)

1. An inking mechanism including in combination an ink fountain and fountain roller, an ink

receiving cylinder, a ductor roller moving between said fountain roller and cylinder, a compound cam having a plurality of cam members, gear connections for driving the cam from the inking mechanism, a helical gear fixed to rotate with one of the cam members, a second helical gear



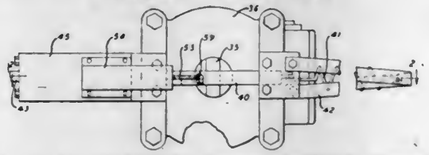
meshing with said first-mentioned helical gear, means for moving said second helical gear relatively to said first-mentioned helical gear to relatively position the cam members to vary the dwell of the ductor roller, and actuating connections from said cam to said ductor roller.

2,078,629

CONTROL DEVICE

Alfred C. De Lorme, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application November 10, 1934, Serial No. 752,434
6 Claims. (Cl. 188—171)



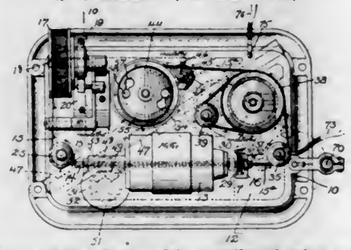
1. In an electrically driven machine, normally operative brake means, and normally operative electrically actuated means to maintain the brake means inoperative, in combination with normally inoperative means rendered effective by failure of current to the machine to prevent operation of the brake means.

2,078,630

MACHINE FOR MAKING COILS OF WIRE

Charles Eisler, South Orange, N. J.

Application March 1, 1935, Serial No. 8,802
2 Claims. (Cl. 117—34)



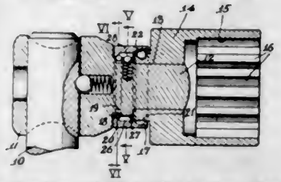
1. A machine for making coils of wire comprising means for supporting a core, means for coiling wire around the core, and drums, readily replaceable, said drums being of different diameters whereby the speed of the core may be varied, the drums being operated as a take-up means for the product whereby the size of the drum controls the pitch of the coil.

2,078,631

LOCKING DEVICE

Gideon R. Gagne, Kenosha, Wis., assignor to Snap-On Tools, Inc., Kenosha, Wis., a corporation of Delaware

Application July 1, 1933, Serial No. 678,666
5 Claims. (Cl. 287—119)



1. In a device of the character described, the combination with a handle member having a polygonal extremity, a turning member having a correspondingly shaped shank for detachable telescopic association with said handle extremity for turning therewith, a rotary collar of substantially lesser depth than said polygonal extension on one of said members for cooperation with the other of said members after said polygonal complemental means are in substantially complete telescopic association, and indexing means associated with said collar to direct the positions of connection and disconnection between said handle and turning members responsive to a fractional turn of said collar from a plurality of indexed positions, said indexing means including a circumferentially notched peripheral shoulder and resiliently mounted means confronting said notched shoulder to define said indexing positions.

2,078,632

BROACH

Carl J. Halborg, Detroit, Mich., assignor to Colonial Broach Company, a corporation of Michigan

Application April 19, 1935, Serial No. 17,199
7 Claims. (Cl. 29—95.1)



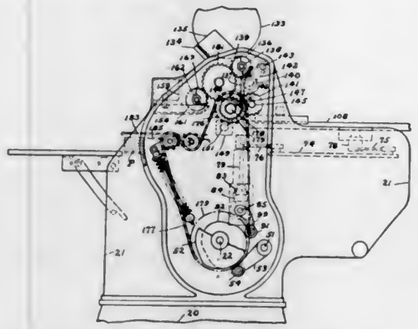
1. A broaching tool for enlarging an opening, formed throughout a first portion of its length with teeth, the depths of which increase progressively throughout a certain range and which are formed to enlarge said opening to a predetermined size throughout a portion of the perimeter thereof, and formed throughout a second portion of its length with teeth, the depths of which increase progressively throughout substantially said same range and which are formed to enlarge said opening to said predetermined size throughout the remainder of the perimeter thereof.

2,078,633

BANDING MACHINE

William F. Huck, Richmond Hill, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application September 22, 1934, Serial No. 745,021
27 Claims. (Cl. 93—93)



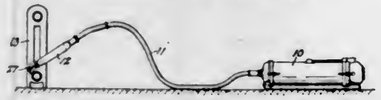
1. In a banding machine, means for receiving packs of cut products in side by side relation, means for rearranging said packs in relatively leading and following relation, and means for applying and securing a band to each of said packs.

2,078,634

NOZZLE

Fredrik Johan Robert Karlström, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application March 22, 1935, Serial No. 12,386
In Germany March 26, 1934
9 Claims. (Cl. 15—158)



1. A suction nozzle for a vacuum cleaner including a hollow body member having a cylindrical portion and a flattened portion, said flattened portion being formed with a suction inlet opening whereby cleaning may be accomplished in narrow spaces, a shaft rotatably mounted within said member, a turbine within the cylindrical portion of said member for rotating said shaft, and a brush connected to said shaft adjacent to said inlet opening and having flexible bristles extending laterally beyond said flattened portion.

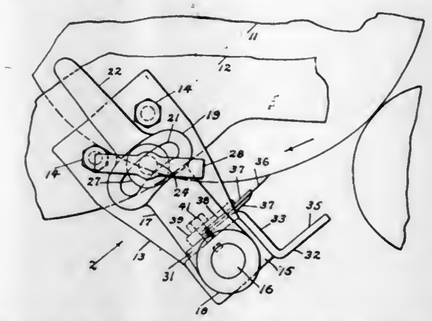
2,078,635

INK ROLLER CLEANING DEVICE

Richard A. Krahmer, Yonkers, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application October 26, 1934, Serial No. 750,223
3 Claims. (Cl. 101—425)

3. In a mechanism for cleaning ink rollers in a printing machine, end supports, each having one end secured to the machine and a bearing at another end thereof, a shaft rotatably mounted in said bearings, brackets secured to said shaft, a Z bar and a roll engaging blade secured to said brackets and arranged so that the Z bar will provide a trough beneath the blade when in an operative position, a lever secured to said shaft and adapted to rock same and move the blade to an operative or an inoperative position, and a clamping member adapted to lock said lever in any desired position.

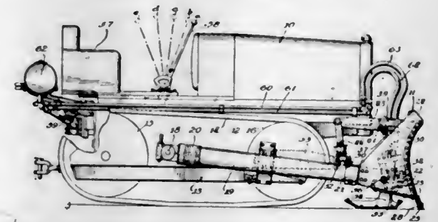


2,078,636

BULLDOZER

Joseph Kuchar, Chicago, Ill., assignor to Athey Truss Wheel Company, Chicago, Ill., a corporation of Illinois

Application September 13, 1934, Serial No. 743,791
11 Claims. (Cl. 37—144)



1. In combination, a tractor having track laying wheel structures pivotally mounted on the tractor adjacent their rear ends, said structures having a forwardly extending rigid framework resiliently supporting the tractor, a bulldozer pivotally mounted on the rigid frameworks of the wheeled structures adjacent their pivots, and a transverse beam pivotally supported by the frameworks of both wheel structures at a forward position thereon, for supporting the bulldozer blade substantially horizontal.

2,078,637

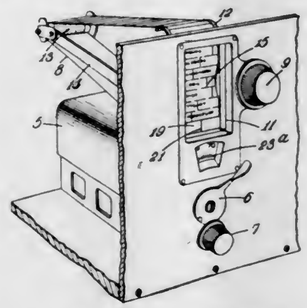
RADIO TUNING DEVICE

James Henry Naden, Hampstead, London, England, assignor of one-half to Cecil George Hadfield Galloway, London, England

Application November 1, 1934, Serial No. 750,996
In Great Britain November 3, 1933
2 Claims. (Cl. 250—40)

1. A wireless receiving apparatus adapted for long wave and short wave operation comprising, in combination, a tuning device, an indicating member comprising an endless band bearing transverse inscriptions which indicate a plurality of broadcasting stations and individually having an index mark associated with each, means for moving said indicating member independently of said tuning device in order to move each inscription into a predetermined position to aid in selecting a broadcasting station, a cooperating index member coupled to said tuning device so as to move therewith, a switch device adapted for connec-

tion to wave change means in order to control the same whereby said apparatus is operative for long wave or short wave operation, said switch device being mounted in proximity to said indicating member to contact therewith and shaped portions on said indicating member adjacent certain of the inscriptions marked thereon, said shaped portions cooperating with said switch device when said shaped portions are disposed op-



posite thereto to actuate said switch device, said index marks being disposed in predetermined space relations with respect to said cooperating index member so that when said index member coincides with the index mark which is associated with a desired inscription disposed in said predetermined position, the tuning device is in a condition for reception of signals from the selected broadcasting station indicated upon said desired inscription.

2,078,638

PURIFICATION OF SULPHONATION PRODUCTS

Bruno v. Reibnitz, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application December 22, 1934, Serial No. 758,870. In Germany December 23, 1933

12 Claims. (Cl. 260—99.12)

1. The process for removing inorganic salts from sulphonation products of non-aromatic alcohols which comprises treating an aqueous solution of a sulphonation product containing inorganic salts and unsulphonated organic constituents with a water-soluble low-molecular liquid aliphatic substance and with a water-insoluble low-boiling liquid organic substance at a temperature between 5° C. below and 25° C. above zero separating from one another the layers thereby formed and recovering the pure sulphonation product from the non-aqueous layer.

2,078,639

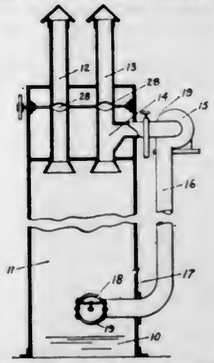
SMOKEHOUSE

Fred E. Rohrmann, Milwaukee, Wis.

Application October 12, 1934, Serial No. 748,061

2 Claims. (Cl. 99—259)

1. In a device of the class described, a firebox, a smoking compartment above said firebox having ventilating projections at the top thereof, a return pipe connected with said ventilating means, a transverse terminal pipe connected with said return pipe at the lower end thereof having a plurality of vents in the upper and lower sides thereof adapted to diffuse smoke upwardly through the smoking compartment, the lower vents being adjacent to the firebox and adapted to feed smoke to the fire for reburning thereof, and closure means operable exteriorly of the com-



partment for opening and closing the lower and upper vents respectively.

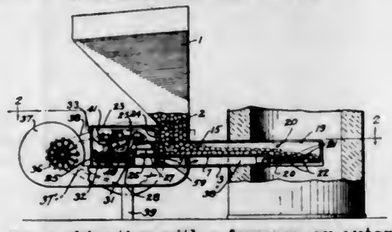
2,078,640

AUTOMATIC COAL STOKING DEVICE

Leonard H. Segar, Renton, Wash.

Application August 9, 1934, Serial No. 739,154

4 Claims. (Cl. 110—109)



1. In combination with a furnace, an automatic coal stoking device comprising a horizontal casing having one end extending through the furnace wall, a trough mounted for sliding movement in the casing, a stepped grate secured to the inner end of the trough and arranged to receive fuel therefrom, a hopper for delivering coal into the outer end of the trough, means to reciprocate the trough, stationary means adjacent the outer end of the trough for cooperating with the trough to push the coal onto the grate, and means to direct a current of air into the casing under the trough and through the grate.

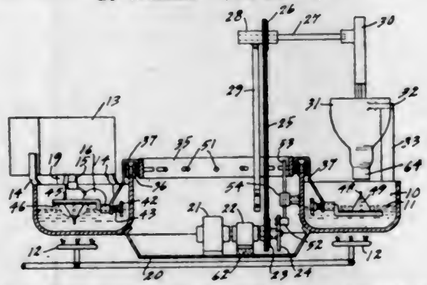
2,078,641

DOUGHNUT COOKING MACHINE

William F. Spencer, Birmingham, Ala., assignor of one-half to James W. Dunlap, Birmingham, Ala.

Application February 27, 1936, Serial No. 65,957

19 Claims. (Cl. 53—7)



1. A doughnut cooking machine, comprising a cooking vessel adapted to contain heated liquor, means to drop charges of batter into said liquor, an intermittently movable carrier comprising invertibly mounted elements adapted successively to receive the batter charges, and mechanism to invert said elements to turn the article in the liquor as it cooks.

2,078,642

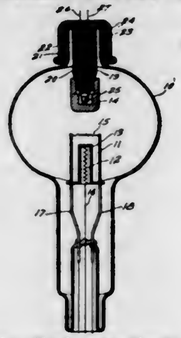
ELECTRIC DISCHARGE DEVICE HEATER

Walter Stockmeyer, Finkenkrug, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 10, 1934, Serial No. 734,486

In Germany July 17, 1933

3 Claims. (Cl. 250—27.5)



1. An electric discharge device comprising a container, a cathode and an anode in said container, a metallic vapor in said container, supporting means for said anode comprising a neck extending from the inner walls of said container, and heating means within said neck and also about the adjacent container walls.

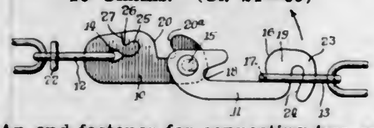
2,078,643

END FASTENER

Earl A. Stuller, Chicago, Ill., assignor to Western Chain Products Co., Chicago, Ill., a corporation of Illinois

Application August 24, 1935, Serial No. 37,626

16 Claims. (Cl. 24—69)



1. An end fastener for connecting two ends of chain comprising a pair of flat, relatively thin members pivotally connected and overlying each other in face-to-face relation when closed, the respective members being notched from opposite edges when closed to receive the end links of the two ends of chain whereby the end links are retained in each member by the other member, the pivotal connection being loose to permit a slight endwise shifting of the members relative to each other whereby the pull of the end links will be substantially equalized between the two members.

2,078,644

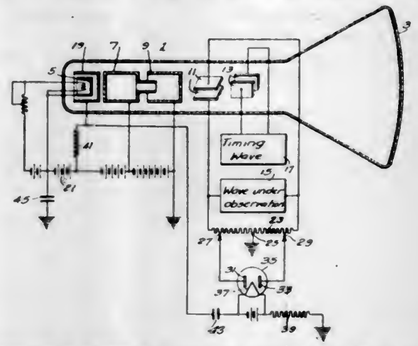
ELECTRIC DISCHARGE APPARATUS

Lloyd E. Swedlund, Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 24, 1935, Serial No. 37,760

16 Claims. (Cl. 171—95)

16. The method of producing an image of uniform intensity which corresponds to a given signal with apparatus incorporating a screen, means for projecting a stream of electrons on said screen and means for shifting the end of said stream of electrons that impinges on said



screen in a manner corresponding to said signal; which comprises the step of varying a property of the electrons in said stream which affects the luminosity of the spot produced on the screen in accordance with the velocity of shift of the end of said stream over said screen.

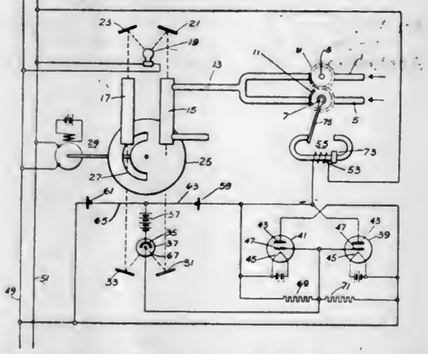
2,078,645

ELECTRIC DISCHARGE APPARATUS

Ralph H. Swingle, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 15, 1935, Serial No. 45,027

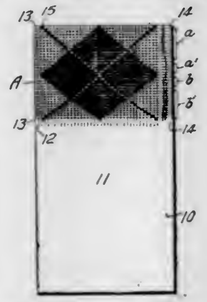
16 Claims. (Cl. 250—41.5)



1. Apparatus for comparing a first source of radiant energy with a second source of radiant energy comprising periodic potential supply means, a radiant-energy responsive device, means for subjecting said responsive device to the radiations from said first source during certain periods of the periodic potential, means for subjecting said responsive device to the radiations from said second source during certain other periods of said periodic potential, current-responsive means, a first valve means controlled by said radiant-energy-responsive means, means for connecting said first valve means in such manner that current is supplied therethrough to said current-responsive means during said first-mentioned periods, a second valve means controlled by said radiant-energy-responsive means and means for connecting said second valve means

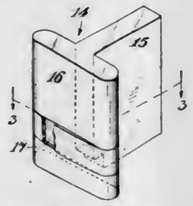
in such manner that current is supplied therethrough to said current-responsive means during said last-mentioned periods.

2,078,646
KNITTING MACHINE DESIGN GUIDE
Leonard R. Treinis, New York, N. Y.
Application October 11, 1929, Serial No. 398,936
9 Claims. (Cl. 35—15)



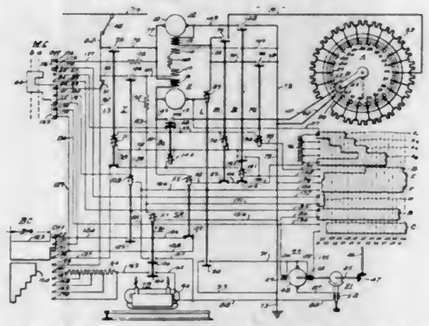
1. Design or pattern guides for the use described comprising a series of cards adapted to be stacked and arranged in echelon thereby exposing a surface strip portion, a fragment of a design repeat on each of said surface strip portions of said cards, the assembly of which cards is adapted to be arranged to expose the strips on said cards and represent a surface design repeat and the cards being adapted to be re-arranged and with the strips exposed whereby a new design may be created.

2,078,647
REMOVABLE DENTURE
John Wahlberg, East Orange, N. J., assignor to Nathan Chayes, New Rochelle, N. Y.
Application April 9, 1936, Serial No. 73,391
1 Claim. (Cl. 32—5)



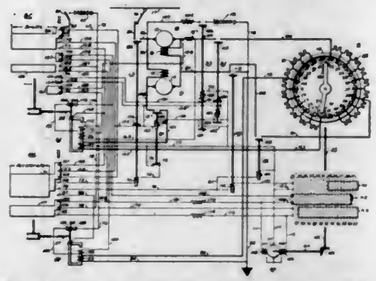
A pier connection for removable dentures comprising a socket having a substantially T-shaped head receiving cavity therein, a substantially T-shaped head member to fit in said socket, said head member having rounded longitudinal edges, said head member having a slot extending laterally thereacross and around the edges thereof, a leaf-spring of thickness substantially equal to the depth of said slot, said leaf-spring having the ends thereof bent to fit in the portions of the groove extending around the edges of the T-shaped member with a snap fit to lock said spring in the slot, said snap fit engagement between the ends of the spring and the T-shaped member being the sole connection between such parts; said leaf-spring being bowed outwardly intermediate the edges of the flat face of said T-shaped member, said bowed part of said spring being the sole part thereof extending beyond the surface of said T-shaped member.

2,078,648
MOTOR CONTROL SYSTEM
Norman H. Willby, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 4, 1936, Serial No. 57,557
10 Claims. (Cl. 172—179)



1. In a motor control system, in combination, a motor for propelling a vehicle, means for establishing dynamic braking connections for the motor, a magnetic track brake for decelerating the vehicle, and means responsive to the speed of the vehicle during dynamic braking for deenergizing the track brake.

2,078,649
MOTOR CONTROL SYSTEM
Norman H. Willby, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 12, 1936, Serial No. 68,454
13 Claims. (Cl. 172—179)

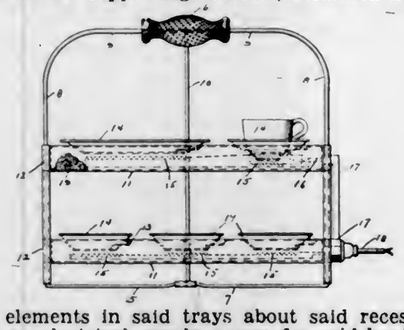


1. In a motor control system, in combination, a motor for propelling a vehicle, a source of power for the motor, switching means for connecting the motor to the power source, switching means for establishing dynamic braking connections for the motor, a separate source of power for causing a current to circulate through the motor during coasting of the vehicle, and means responsive to the circulating current for regulating said current.

2,078,650
PORTABLE FOOD CARRIER AND HEATER
Mary L. Clark, Baltimore, Md.
Application May 21, 1936, Serial No. 80,967
1 Claim. (Cl. 219—19)

A portable food carrier and heater, comprising a rectangular frame having vertical uprights, the terminals of which are bent laterally at right angles and inwardly to provide a handle

supporting member, superposed trays secured to the uprights of the frame, said trays provided with article supporting recesses, insulated heat-



ing elements in said trays about said recesses, and an electrical supply source for said heating elements.

2,078,651
BELT BUCKLE
James A. Crocker, Jr., Water Valley, Miss.
Application June 20, 1936, Serial No. 86,231
4 Claims. (Cl. 24—180)



1. A belt buckle comprising a frontal plate, rearward extending flanges formed lengthwise on said plate perpendicular to said plate, a back-turned flange parallel to said plate, an inward extending protrusion on said parallel extending flange, a rear plate hinged to said frontal plate, and a bail on said rear plate.

2,078,652
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application June 6, 1936, Serial No. 83,958
8 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type which consists in subjecting the emulsion to the action of a demulsifying agent comprising a fatty acid amide in which a hydroxyl of the fatty acid acyl radical has been replaced by a polybasic carboxy acid residue.

2,078,653
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, and Bernhard Keiser, Webster Groves, Mo., assignors to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application June 6, 1936, Serial No. 83,959
7 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a non-sulfo, non-resinoid amide in which the acyl group is derived from a detergent-forming monocarboxy acid.

2,078,654
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, Mo., assignor to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application June 8, 1936, Serial No. 84,179
8 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a chemical compound of the formula type $(D)_nA$, in which n is the numeral one or two and A is a residue derived from a ketone of the formula type

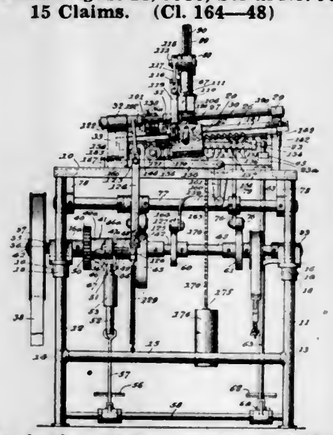


in which R is a hydrocarbon or alkoxy chain derived from a fatty acid having at least 11 and not more than 22 carbon atoms, and D is the group $Z.SO_4$, $Z.SO_3$, or $Z.TSO_3$, in which Z is an ionizable hydrogen atom equivalent and T is an aromatic residue derived from an aromatic body susceptible to Twitchell condensation.

2,078,655
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, St. Louis, Mo., assignor to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application June 13, 1936, Serial No. 85,123
6 Claims. (Cl. 196—4)

1. A process for breaking petroleum emulsions of the water-in-oil type which consists in subjecting the emulsion to the action of a demulsifying agent comprising a chemical compound of the type $(D.OOC).T.(COOH)_n$ in which D is an alkyl hydrocarbon radical, T is a polybasic carboxy acid residue derived from an acid whose acidity is at least equal to that of citric acid, (COOH) is the conventional carboxy radical, OOC is the conventional carboxy residue, and n indicates the numeral one or two.

2,078,656
BOOK INDEXING MACHINE
Hjalmar Erickson, Cambridge, Mass.
Application August 14, 1936, Serial No. 96,035
15 Claims. (Cl. 164—48)



1. In a book indexing machine of the class described, a frame, a work support for holding the book whose pages are to be notched, a cutting

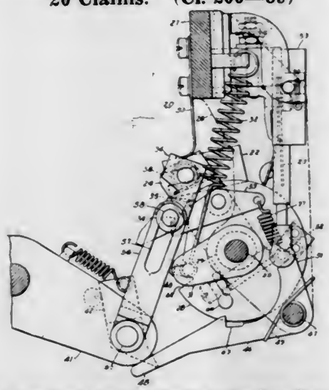
tool for cutting notches in the edge of the pages of said book, means for operating the cutting tool, means providing relative movement between the work support and the cutting tool to bring them into and out of operating position, and means providing a gradually extending movement of the cutting tool into and up the side of the book and at the same time a step by step advance of the cutting tool across the length of the book.

2,078,657

AUTOMATIC RECLOSING CIRCUIT INTERRUPTER

Gayne D. Gamel, Pittsburgh, and Harry J. Lingal, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 11, 1933, Serial No. 670,460
20 Claims. (Cl. 200—89)



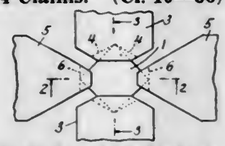
1. An automatic reclosing device for a circuit interrupter having a main contact element, means for opening said element and electro-responsive means for closing the main contact element, comprising, a control switch element for controlling the energization of the closing means and a self-actuated mechanical notching device having a normal starting position and disposed to be mechanically actuated to different starting positions and released for operation in accordance with the successive closing and opening movements of the main contact element of the interrupter for operating the control switch, said notching device being disposed to automatically become inoperative to effect further operations of the control switch and closure of the main contact element after a predetermined number of operations.

2,078,658

METHOD OF MAKING NUT BLANKS

Joseph William Gibney, Port Chester, N. Y., assignor to Russell, Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y., a corporation of New York

Application August 26, 1936, Serial No. 97,886
4 Claims. (Cl. 10—86)



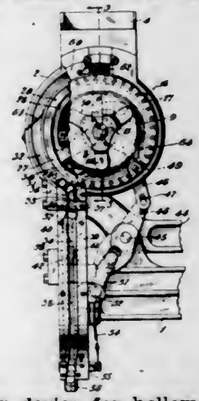
1. The method of making hexagonal nut blanks which comprises subjecting a substantially square piece to pressure exerted diagonally on its opposite corners to produce a hexagonal blank.

2,078,659

RIVET FEED

Julius Gualtiere, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y., a corporation of New York

Application April 16, 1935, Serial No. 16,575
10 Claims. (Cl. 1—3.1)



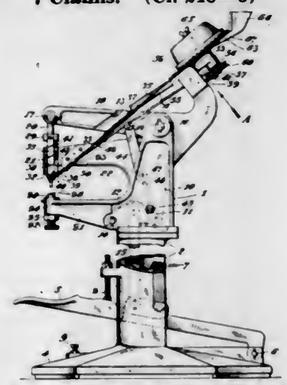
1. A feeding device for hollow headed rivets comprising a feed cup provided with a work face, an annular row of protuberances on said work face, said protuberances being spaced at their bases an amount less than the width of the heads of rivets to be fed, and a barrier wheel having a rim mounted adjacent said protuberances and having a work face on said rim spaced from said protuberances to permit a hollow headed pronged rivet to be fed over said protuberances, the effective width of the work face on said rim of said barrier wheel being of different widths in different portions of said rim.

2,078,660

RIVET SETTING MACHINE

Julius Gualtiere, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y., a corporation of New York

Application April 20, 1936, Serial No. 75,364
7 Claims. (Cl. 218—3)



3. In a rivet setting machine, the combination of a frame, a rivet setting plunger mounted to reciprocate in an arm of said frame, a collar carried by and slidable on said plunger, cup springs on said collar, each end of said cup springs comprising one half of a rivet cup, said cup springs comprising guides for said collar, a rivet feed chute terminating adjacent said rivet cup, and means operative on said collar to hold said rivet cup in operative relation to said chute whereby rivets from said chute are delivered to said rivet cup.

5. In a device of the class described, an article of manufacture comprising a feed hopper, a pair of sheet metal plates secured together at one edge and a rod mounted between said plates and separated therefrom to comprise a spiral channel member, and a terminal channel member, said feed hopper and said members being united to form a single machine element.

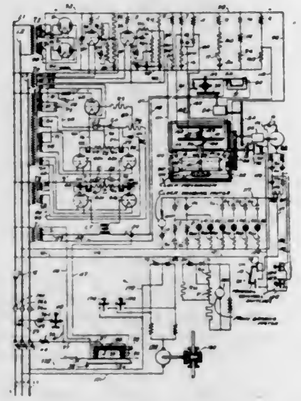
7. In a rivet setting machine, a setting plunger, said setting plunger having a head which is T-shaped in cross section, a plunger operating shaft, said shaft being provided with a T-shaped slot to receive the head of said setting plunger, and operating means carrying said shaft.

2,078,661

INDICATING AND REGULATING SYSTEM

Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 12, 1933, Serial No. 702,090
1 Claim. (Cl. 177—351)



The combination of a regulating member to control the thickness of a moving web, a motor for actuating said member, means responsive to the thickness of the web for controlling the energization of said motor, running time limiting means for limiting the period of time the motor may run during each actuation, and stop time limiting means for assuring that the motor will remain stationary for a predetermined time after an operation until the resulting regulation will have time to be effective at said thickness responsive means.

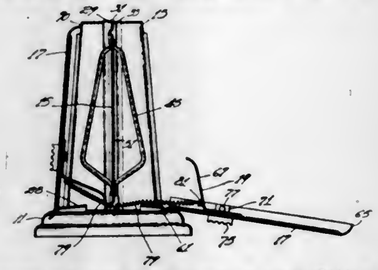
2,078,662

TOASTER

Donald L. Hadley and Lester Lown, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 6, 1933, Serial No. 688,303
8 Claims. (Cl. 219—19)

1. An electric toaster comprising a base, a frame plate thereon, of inverted U-shape, having a plurality of grooves formed in the under side of the horizontal portion thereof, and a vertically extending heating unit therebetween having a tongue and slot engagement with the base,



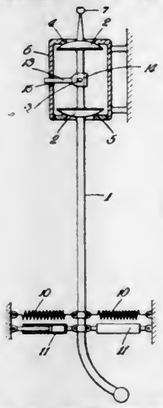
the upper edge of said heating unit fitting into an intermediate groove.

2,078,663

CONTROL LEVER FOR AIRCRAFT, OR SIMILAR ROCKING LEVER DEVICES IN CONTROL MECHANISMS

Raoul Hafner, Vienna, Austria

Application November 30, 1934, Serial No. 755,266
In Great Britain January 1, 1934
4 Claims. (Cl. 74—491)



1. In combination with a control lever having a long arm and a short arm, a pivotal fulcrum mounting therefor comprising cooperating inner and outer bearing members of which one is fixed and the other is rockable and mounted on said arms, the bearing contact between said members being confined to surfaces lying at large mean angles to the axis of said short arm, whereby a lateral impact load on said short arm, being applied adjacent to said rockable bearing member, will urge said member laterally into wedged relationship with said fixed bearing member to prevent angular movement of said lever under such load.

2,078,664

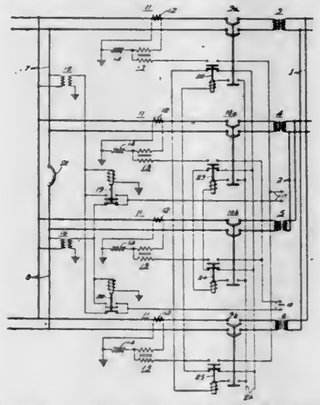
POTENTIAL SUPPLY SYSTEM

Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 20, 1936, Serial No. 64,877
6 Claims. (Cl. 172—237)

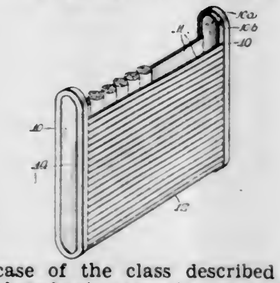
1. In an alternating-current system of transmission and distribution, a high-voltage circuit, a plurality of transformers connected to said high voltage circuit, a plurality of low-voltage circuits connected to said transformers, a poten-

tial bus, a plurality of shunt mutual impedance elements energized from said low voltage circuits, a plurality of compensating series mutual impedance elements energized in accordance with current quantities of said transformers, and transfer means for controlling the energization of said potential bus from said mutual impedance elements, said transfer means being effective to establish a connection of said potential bus to a predetermined combination of one of said shunt elements and one of said compen-



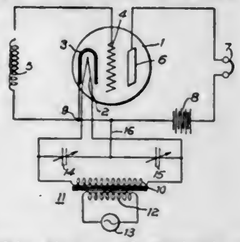
sating series elements under electrical conditions of said circuits such that said elements of said predetermined combination are energized, and to establish a connection of said potential bus to a different combination of one of said shunt elements and one of said compensating series elements under electrical conditions of said circuits such that the elements of said different combination are in a preferred condition of energization to the elements of said predetermined combination.

2,078,665
CIGARETTE CASE
James H. Horsley, Chicago, Ill., assignor to Shanklin Manufacturing Co., Springfield, Ill., a corporation of Illinois
Application April 29, 1935, Serial No. 18,818
7 Claims. (Cl. 206—41)



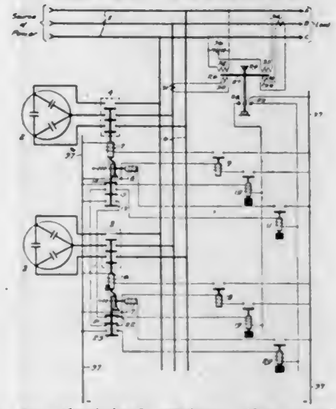
1. A case of the class described comprising end members having arcuate upper and lower end portions, a body member shaped to form an arcuate bottom and parallel oppositely disposed side walls, said body member having its side margins connected to said end members to form a narrow receptacle which is open at its top below the arcuate upper ends of the end members, said end members being provided withinwardly presented channels extending along the outer sides of the bottom and side walls of the body member and arcing upwardly from the top opening thereof, and a flexible closure having opposite margins slidably retained in such channels whereby said closure may be slid along the outer surfaces of said bottom and side walls to and from a position wherein portions of it form a closure arching over said top opening.

2,078,666
THERMIONIC DEVICE
Harold W. Ka Dell, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application November 4, 1926, Serial No. 146,154
9 Claims. (Cl. 250—27)



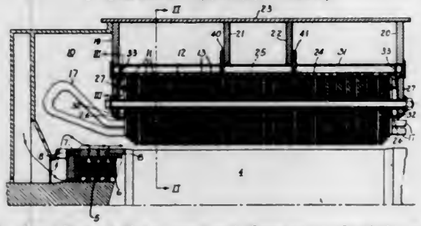
1. In combination, a thermionic device comprising an evacuated envelope having therein an equipotential cathode heating means associated therewith but spaced therefrom and a cooperating anode, a transformer connected to a source of alternating current and having its secondary connected to said heating means, impedance means connected to said secondary and a connection between said cathode and a portion of said impedance means, the average potential of which is constant with reference to the secondary terminals of said transformer.

2,078,667
AUTOMATIC CONTROL SYSTEM FOR PHASE-ADVANCING MEANS
Yorio Kado, Hyogo-ku, Kobe, Japan, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 5, 1935, Serial No. 48,320
In Japan November 9, 1934
3 Claims. (Cl. 172—246)



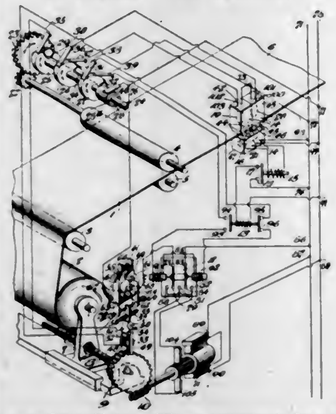
1. In an electrical system, the combination with a feeder circuit, of a plurality of phase modifying means, means for each of said first-mentioned means to control the connection and disconnection of the same to and from said feeder circuit, means for producing a torque representing the relative magnitude of the effective power on the feeder circuit and the wattless power flowing to said phase modifying means, and means controlled by said torque producing means to actuate said second-mentioned means in a predetermined sequence.

2,078,668
LOW-LOSS DYNAMO-ELECTRIC MACHINE
Lee A. Kilgore, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1935, Serial No. 52,077
9 Claims. (Cl. 171—252)



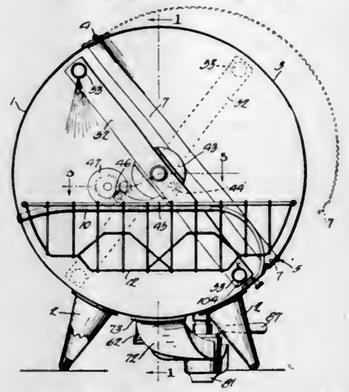
3. An alternating-current dynamo-electric machine comprising a stator-member comprising an annular laminated magnetizable core-member, a thick-sectioned magnetizable frame-member surrounding said core-member, an annular thick-sectioned magnetizable end-plate at each end of the core-member, said end-plates being of steel having a higher electrical resistivity than ordinary mild steel, a stator-winding having end-connections extending out axially beyond said end-plates of the stator-member and a rotor-member having end-connection retaining-rings.

2,078,669
APPARATUS FOR CONTROLLING WEBS
Andrew King, Narberth, Pa.
Application May 19, 1931, Serial No. 538,456
17 Claims. (Cl. 242—76)



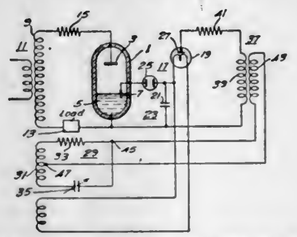
9. In combination with a support for a roll of material from which a web is being drawn, means for moving said support laterally, a single photo-electric cell actuated by the interception and failure to intercept light rays by movement of said web away from its normal path, and means, responsive to the actuation of said cell, for actuating said support moving means.

2,078,670
DISHWASHING MACHINE
James B. Kirby, West Richfield, Ohio
Application July 24, 1931, Serial No. 552,810
11 Claims. (Cl. 141—9)



1. A portable dishwashing machine for use in connection with a kitchen sink having a drainboard, water supply faucets and a drain pipe connected to the sink, said machine comprising a casing, standards for supporting said casing on the sink drainboard, a dish basket located in said casing and extending substantially from side to side thereof, horizontal spray-pipes above and below said basket, respectively and having jet-apertures turned toward said basket, power-means for causing said pipes to move slowly to-and-fro relative to the contents of said basket, said casing having an outlet in its lowermost part and itself adapted to catch and deliver to said outlet the effluent from said jet-apertures, a centrifugal pump having an inlet and also an outlet which is connected to said spray-pipes, means of substantially negligible liquid capacity connecting said casing outlet to the pump inlet, means including said last named means for conveying water from the sink faucets to the pump inlet, and means for controlling the gravity discharge of liquid from said casing outlet to the sink.

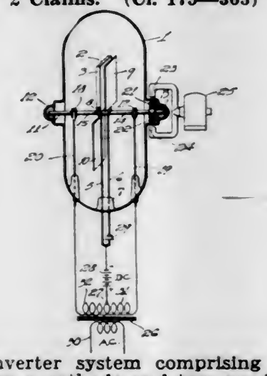
2,078,671
CRYSTAL STARTER RECTIFIER AND PHASE CONTROL TUBE
Dewey D. Knowles, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 23, 1933, Serial No. 690,701
9 Claims. (Cl. 175—363)



1. In combination a set of electrodes between which a discharge is to be initiated, means for initiating the discharge including a plurality of electrodes disposed in contact with each other and network means, including a discharge device

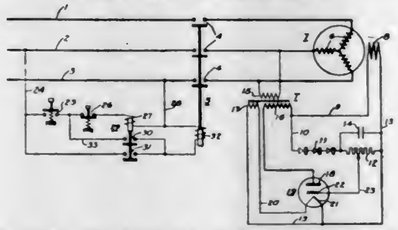
of the spark discharge type connected in series with said last-named set of electrodes, energy storing means connected in parallel with the network means including said spark discharge device and said last-named set of electrodes and means for supplying energy to said energy storing means, for controlling the transmission of a current between said last-named set of electrodes.

2,078,672
INVERTER TUBE
Dewey D. Knowles, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 31, 1934, Serial No. 709,136
2 Claims. (Cl. 175—363)



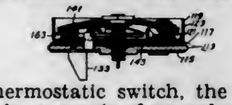
2. An inverter system comprising a vacuum tube having a cathode and two anodes therein, said cathode being thermally activated, means moving said anodes alternately adjacent to and away from said cathode, means causing an electron discharge between the cathode and the anode adjacent thereto, a winding connected in series with said anodes and receiving pulsating current from said anodes, and an output circuit electrically connected to said winding.

2,078,673
ALTERNATING CURRENT MOTOR CONTROL SYSTEM
Joseph F. Kovalsky, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 29, 1933, Serial No. 663,364
24 Claims. (Cl. 172—289)



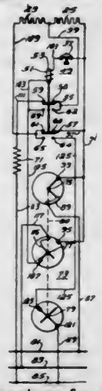
13. In a synchronous motor system having a primary and secondary winding and thermionic rectifying means, the method of controlling the field excitation which comprises rectifying the slip voltage induced in a winding of said motor, applying said rectified voltage to the control element of said thermionic rectifier, and applying excitation current to the motor field when said control element is at one potential and interrupting said excitation current when said control element is at a different potential.

2,078,674
BAFFLED THERMOSTAT
Paul R. Lee and Oliver S. Jennings, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 2, 1935, Serial No. 58
5 Claims. (Cl. 200—138)



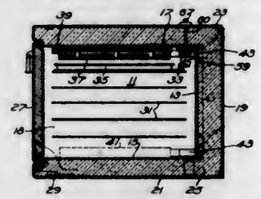
1. In a thermostatic switch, the combination with a fixed base, a pair of spaced contact members supported on the base, a bimetal member supported on the base, and a contact bridging member supported on the bimetal member, of a barrier plate of electric-insulating material between the pair of spaced contact members and the metal base extending both longitudinally and laterally of the spaced contact members for a relatively large distance and having a plurality of laterally spaced upstanding flanges, and a second barrier plate of electric-insulating material between the contact bridging member and the bimetal element and carried by the latter and extending an appreciable distance longitudinally beyond the surface area of the contact bridging member.

2,078,675
HEATER CONTROL SYSTEM
Edwin H. Lockwood, II, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 27, 1934, Serial No. 750,291
6 Claims. (Cl. 219—20)



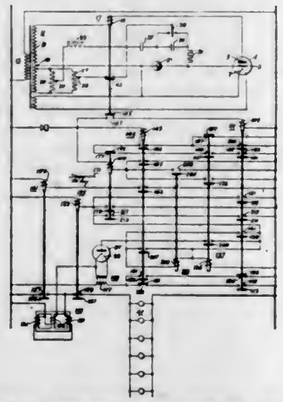
1. In a control system for a plural section heating unit, in combination, an auxiliary resistor, a plural contact plural position relay and a thermostat located in heat receiving relation to the heating unit and controlling the relay to connect the sections of the heating unit in parallel, and in series with the auxiliary resistor, when starting cold and to connect the sections in series and to cut the auxiliary resistor out of circuit when a certain temperature of the heating unit is reached and to prevent reconnection in parallel until the heating unit has cooled to substantially room temperature.

2,078,676
CONTROL SYSTEM
Edwin H. Lockwood, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 14, 1935, Serial No. 6,469
9 Claims. (Cl. 219—20)



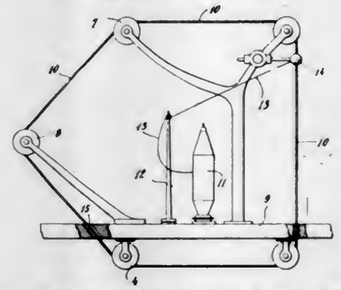
9. In a control system, a thermally actuable switch and a heater adapted to be located at different distances from each other, said switch controlling the energization of said heater at each location, and heat-emitting means directly operatively associated with said switch and arranged to compensate for the loss of heat received by the switch from the heater only at a predetermined greater distance therefrom as compared with a predetermined lesser distance therefrom.

2,078,677
LIGHTING CONTROL
Thomas H. Long, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 19, 1932, Serial No. 638,580
16 Claims. (Cl. 177—346)



1. A control system for a display device of the type incorporating one or more illuminating units comprising means to respond to the totality of natural and artificial illumination, inclusive of that due to said units, in the region of said illuminating units and to be actuated when said illumination, with said units deenergized, is at an intensity smaller than a predetermined value, means, to be controlled by said illumination-responsive means, when it is actuated for energizing said illuminating units a predetermined interval of time after said totality of illumination is below said value and means to be controlled by said energizing means and by said illumination, with said units energized, for deenergizing said illuminating units a predetermined interval of time after said units have been energized provided said totality of illumination remains at an intensity above another predetermined value which is above said predetermined value.

2,078,678
ELASTIC TRANSMISSION RING FOR SPINDLES AND PROCESS FOR MANUFACTURING THE SAME
Joaquin Montane Marti, Sabadell, Spain
Application February 28, 1936, Serial No. 66,185
In Spain March 2, 1935
1 Claim. (Cl. 96—26)



A process for manufacturing elastic drive belts for driving high speed spindles in spinning machines, which consists in forming an inner endless core from a single thin rubber thread by giving the same several turns and joining the two ends thereof by knotting the same, covering said core with at least one textile cover by interlacing a plurality of textile fiber threads in a layer upon said core, untying the knot uniting the ends of the core after applying the first cover on the latter in order to eliminate any resulting protuberances and obtain a uniform belt, impregnating and treating the belt thus obtained with a fluid rubber preparation preparatory to vulcanization and finally vulcanizing the treated belt in order to obtain the final product.

2,078,679
FENDER
Robert Golphin, Montreal, Quebec, Canada
Application January 29, 1936, Serial No. 61,299
3 Claims. (Cl. 293—55)

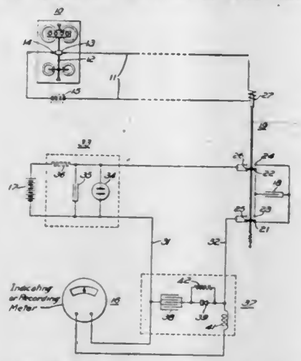


1. A fender of the character described comprising a V-shaped metal structure, a bumper bar resiliently supported in front of the lower edge portion of each inclined side of the structure and flap extensions hinged to the lower edge of the bumper bars.

2,078,680
REMOTE MEASURING SYSTEM
Carl Oman, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1935, Serial No. 21,009
9 Claims. (Cl. 177—351)

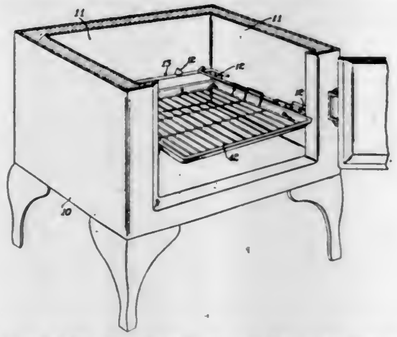
6. In an impulse measuring system, an impulse transmitter operable to transmit current

impulses at a rate proportional to a quantity or condition affecting the transmitter, a reversing switch responsive to said impulses, a source of constant voltage power, a calibration condenser, a storage condenser, a rectifier device, said condensers and rectifier device being connected across the power source through the reversing switch whereby the operation of the reversing switch alternately charges the calibration condenser in opposite directions and discharges it



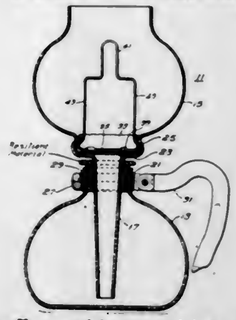
through the rectifier device into the storage condenser, a meter connected across the rectifier and storage condenser, a choke coil in the meter circuit to prevent the charging current impulses of the calibration condenser from flowing through the meter and for causing a flow of said impulses into the storage condenser, and a resistor connected in shunt relation with the rectifier whereby the energy stored in the storage condenser may gradually flow through the meter.

2,078,681
SHELF STRUCTUR
Otho M. Otte, Tarentum, Pa., [illegible]nor to Allegheny Steel Company, a corporation of Pennsylvania
Application March 28, 1935, Serial No. 13,426
7 Claims. (Cl. 211—143)



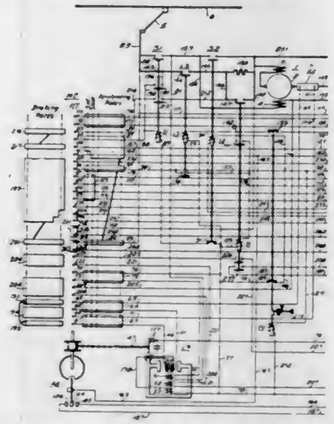
1. In a shelf structure of the kind described, a sub-frame removably supportable in a compartment, a slidable frame movable forward and back on the sub-frame, said sub-frame consisting of a transverse rod and two side rods respectively paralleling the rear and side walls of the compartment, said side rods being each provided with a stainless steel sheathing and having a U intermediate its ends whereat there is a vertical and a horizontal plate of stainless steel suitably secured in place.

2,078,682
FILTER CLOTH HOLDER
Bernard F. Parr and Lewis J. Greenawalt, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 8, 1935, Serial No. 5,558
6 Claims. (Cl. 210—162)



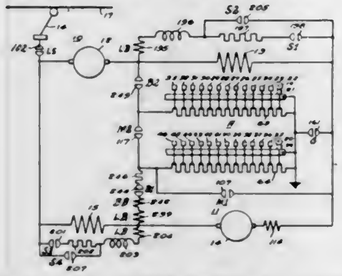
1. In a coffee making machine comprising an upper casing having a funnel depending therefrom, said funnel having an annular seat and an annular shoulder thereabove, a filter assembly including a strainer cloth and a frame therefor, said frame including a ring located against the strainer cloth and a spring member, of substantially inverted U-shape the ends being secured to the ring and said spring member having leg portions with bulged-out portions near their ends to engage under the annular shoulder and force the ring and cloth into close engagement with the annular seat.

2,078,683
MOTOR CONTROL SYSTEM
Lynn G. Riley, Pittsburgh, Norman H. Willby, Irwin, and Frank B. Powers, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 26, 1935, Serial No. 42,186
18 Claims. (Cl. 172—179)



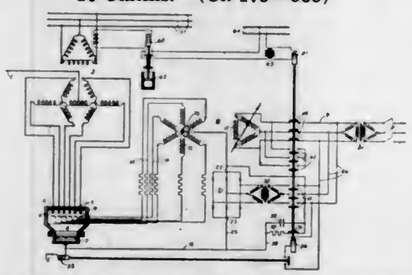
11. In a motor control system, in combination, a motor, a source of power for the motor, switching means for connecting the motor to the power source to operate the motor by supplying current thereto, variable resistance means for controlling the motor current, a controller for controlling the operation of said resistance means and said switching means, and relay means responsive to the motor current for preventing the opening of said switching means while the motor current exceeds a predetermined amount.

2,078,684
MOTOR CONTROL SYSTEM
Lynn G. Riley, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 12, 1936, Serial No. 68,386
18 Claims. (Cl. 172—179)



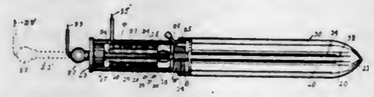
1. In a motor control system, in combination, a motor for propelling a vehicle, a source of power for the motor, switching means for connecting the motor to the power source, and switching means for establishing dynamic braking connections for the motor, said dynamic braking connections being established during initial coasting of the vehicle to permit a current to circulate through the motor.

2,078,685
VAPOR ELECTRIC CONVERTER
Herbert A. Rose, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 21, 1935, Serial No. 50,896
10 Claims. (Cl. 175—363)



6. A protective system for a vapor-electric device having a plurality of valves, comprising a control electrode for each of said valves, an impulsing transformer having an impulsing and an exciting winding, a mid-tap in said impulsing winding and a plurality of phase terminals, connections from said terminals to said control electrodes, a connection from said mid-tap to the cathode of said valves, a circuit breaker for controlling said connection, a supply circuit connected to said exciting winding, a circuit breaker for opening and closing said circuit, a short circuiting connection for said exciting winding, a circuit breaker for controlling said short circuiting winding, a biasing transformer, a supply circuit for said biasing transformer, a circuit breaker in said circuit, a rectifying device for converting the output potential of said transformer to unidirectional current, said rectifying device being connected to the mid-point of said impulsing winding and to the cathode of said vapor-electric device, a relay responsive to abnormal current condition in the valves of said vapor-electric device for opening the supply circuit to said impulsing transformer, closing the supply circuit to the biasing transformer, closing the short circuiting connection for said exciting winding and opening the circuit between the cathode of the vapor-electric device and the mid-tap of the impulsing winding.

2,078,686
INTERNAL ORIFICE THERMAL DILATOR AND MEDICATOR
Claude O. Rowe, Santa Monica, Calif., assignor of one-half to Louis Janisky, Los Angeles, Calif.
Application July 29, 1935, Serial No. 33,669
1 Claim. (Cl. 128—255)



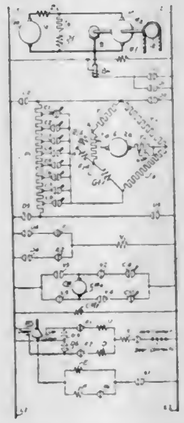
An orificial treating device including, a relatively long ribbed body having a closed tapering front end and an open annular rear end, a hollow cylindrical handle having a closed front end extended and fastened in the said annular rear end of the ribbed body and an open rear end, a bearing screw plug closing the rear handle end, an electric heating element extended through an opening in the said closed handle end and disposed within the said ribbed body, rheostat resistance coils disposed in the said hollow handle, a rheostat control rod mounted for reciprocation in the said bearing screw plug, a brush fastened on the inner end of the said rod adapted to contact with the terminals of the said resistance coils and to pass out of contact therewith as the said rod reciprocates in the said bearing, an electric wire fastened to the said brush and extended through a central opening in the said rod protruding from the outer end thereof, an electric wire connected with one terminal of the said heating element and extended through the wall of the said handle to the exterior thereof, an electric wire connected to the other terminal of the said electric heating element and to the said resistance coils, a hose tube extended through the closed inner handle end from the exterior of the handle, and a thin rubber sack loosely disposed over the said ribbed body, having a constricted beaded open end disposed to tightly encircle the inner end of the said handle, adapted for disposal in flutes between the said ribs to hold medicaments.

2,078,687
ELEVATOR CONTROL SYSTEM
Danilo Santini, Chicago, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application January 4, 1936, Serial No. 57,534
14 Claims. (Cl. 172—239)

1. In a Ward-Leonard control system, a first dynamo-electric machine mechanically connected to a load, a second dynamo-electric machine electrically connected to said first machine, said second dynamo-electric machine having a field winding, a source of control current, resistance

means, conducting means connecting said field winding, said resistance means and said source to form a divided circuit having said field winding in a first parallel branch, said resistance means in a second parallel branch, and having the junctions of said first and second parallel branches connected with said source, regulator-generator means connected to be repsonsive to a variable operating characteristic of said first dynamo-electric machine, said regulator-generator means being connected to said parallel branches in such relationship as to circulate current through said field winding but to produce substantially no voltage difference between said junctions, and means for modifying the connections of said regulator-generator means to said parallel branches to provide different compounding effects in said second dynamo-electric machine.

8. In a Ward-Leonard control system, in combination, a first dynamo-electric device operatively connected to a load, a second dynamo-electric device electrically connected to said first device, a main field winding for said second device, circuit means for variably connecting said main field winding to a source of control current, resistance means, conducting means connecting said main field winding and said resistance means in parallel branch circuits to said circuit means,



a regulator-generator interconnected in said parallel branch circuits for varying the current flowing through said main field winding independently of said variably connected circuit means, a field winding in said regulator-generator, an auxiliary generator disposed to be driven by said first dynamo-electric device, and circuit means interconnecting said field winding and said auxiliary generator whereby the voltage applied to said field winding is a function of the speed of said first dynamo-electric device.

11. In a Ward-Leonard control system, in combination, a first dynamo-electric device operatively connected to a load, a second dynamo-electric device electrically connected to said first device, a field winding for said second device, circuit means for variably connecting said field winding to a source of control current, a regulator-generator connected to vary the current flowing through said field winding independently of said variably connected circuit means, and means for varying the action of said regulator-generator in controlling the flow of current through said field winding in accordance with transient changes in the flow of current between said dynamo-electric devices.

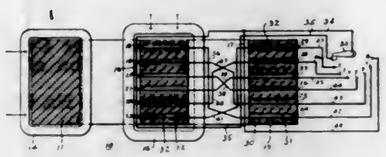
2,078,688

VARIABLE VOLTAGE TRANSFORMER

Louis E. Sauer, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 29, 1935, Serial No. 52,147

8 Claims. (Cl. 171—119)



1. In a transformer, a core member comprising a plurality of legs, primary and secondary windings associated with said core member, auxiliary windings on a plurality of the core legs, each of said auxiliary windings comprising a plurality of coils so disposed on its respective leg that each of the coils encircles an amount of its leg that is different from the amount encircled by each of the other coils on the leg, means for connecting the coils of the auxiliary windings in circuit, said means short circuiting certain of said plurality of coils to encircle inverse amounts of the respective legs and to inversely vary the flux traversing the respective legs.

2,078,689

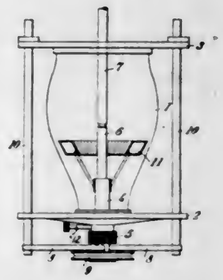
SOURCE OF LIGHT FOR PHOTOGRAPHY

Wilhelm Schneider, Dessau in Anhalt, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application December 3, 1935, Serial No. 52,628

In Germany December 5, 1934

2 Claims. (Cl. 176—113)



1. An arc lamp for photographic and projection purposes which comprises a transparent vessel open at its two ends, two plates for closing said two ends of said vessel, means for pressing said plates against said vessel, a carbon introduced through one of said plates, a hollow axle introduced through the other plate, a carbon mounted in said hollow axle said carbon being in alignment with said first named carbon, a bearing mounted on said second named plate for rotatably locating said hollow axle, rubbing spring contacts mounted to said rods and sliding on said hollow axle for supplying electric current to said carbon mounted in said hollow axle, a wheel mounted on the end of said hollow axle opposite to that which carries the carbon, for driving said axle, and a fan mounted on said hollow axle inside said transparent vessel.

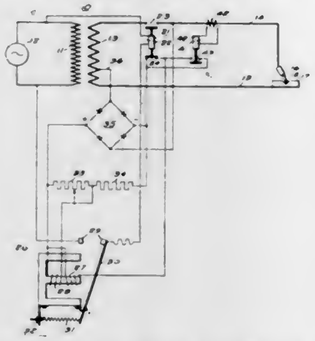
2,078,690

WELDING SYSTEM

Alfred E. Schueler, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 15, 1934, Serial No. 739,894

9 Claims. (Cl. 219—8)



3. An arc welding system comprising, in combination, a welding circuit connected to welding electrodes adapted to strike an arc, a source of welding current for the welding circuit having a relatively high open circuit voltage, means for applying a portion of the open circuit voltage to the welding circuit when it is open, switch means for automatically applying the high open circuit voltage to the welding circuit on completion thereof, and electro-magnetic time delay relay means for holding said switch means closed to continue to apply the high open circuit voltage to the welding circuit until the expiration of a predetermined time interval after the welding circuit is opened.

2,078,691

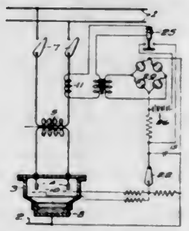
PROTECTIVE SYSTEM

Ernst Schulze, Finkenkrug, near Spandau, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 30, 1933, Serial No. 687,537

In Germany August 30, 1932

4 Claims. (Cl. 175—363)



2. A protective system for a vapor-electric converter, comprising a source of potential varying with the current in said converter, a control element in said converter, an auxiliary discharge means for impressing the potential of said source on said control member when said source of potential delivers a predetermined voltage, an auxiliary source of potential and relay means operated from said source of potential for connecting said auxiliary source to maintain a control voltage on said control element.

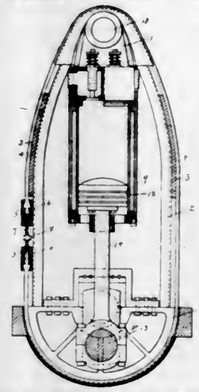
2,078,692

ENGINE CONSTRUCTION

Melville C. Searle, Baltimore, Md.

Application February 8, 1935, Serial No. 5,614

1 Claim. (Cl. 121—194)



An engine comprising a plurality of columns each having a grooved upper surface, a plate connecting the said columns to hold them in their proper relative positions, a base to which said columns are secured and having grooves in its lower surface, cylinders mounted between said columns and adapted to oscillate therebetween, a crankshaft mounted in said base, a piston in each of said cylinders and connected to the crankshaft, cables extending around the outer surface of each of said columns and base and resting in said grooves, and a turnbuckle connecting the ends of each cable to tighten the cables on the columns and base.

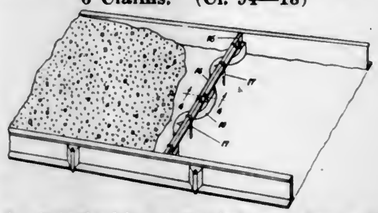
2,078,693

EXPANSION, CONTRACTION, AND CONSTRUCTION JOINT FOR CONCRETE PAVEMENTS AND THE LIKE

Riley M. Simrall, Wyoming, Ohio

Application May 18, 1934, Serial No. 726,222

6 Claims. (Cl. 94—18)



1. An interlocking joint between two adjacent slabs each of which consists of a vertical upper edge and a vertical lower edge, the lower edge of one slab consisting of alternate projections and recesses adapted to interlock with similar projections and recesses formed in the lower edge of the second slab, said recesses and projections being formed with upper horizontal faces to provide horizontal shelf portions dividing the upper from the lower vertical edge of each slab.

2,078,694

AUTOMATIC FEEDING MECHANISM

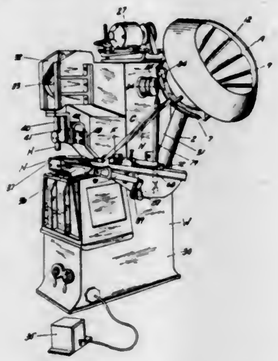
William E. Smith, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio

Application October 3, 1935, Serial No. 43,393

11 Claims. (Cl. 219—4)

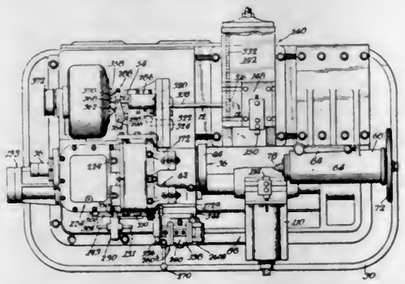
1. In a welding machine having relatively movable electrodes to which work is fed, means for

relatively moving the electrodes to contact an interposed work piece, the combination of work feeding means synchronized with said means and being separate from the electrodes to feed a work piece between said electrodes upon each separation thereof, a work lifter, and a trip connection between the feeding means and work lifter to operate the latter after each separation of the electrodes.



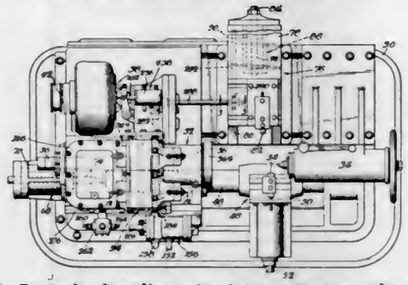
7. In a welding machine, a transformer, a magnetizable work supporting electrode disposed in position to be magnetized by the field of said transformer, the combination of a non-magnetizable work feeding means terminating within the effective field of said electrode for delivering magnetizable work pieces thereto, whereby "freezing" of the work to the feeder is prevented.

2,078,695
AUTOMATIC LATHE AND FLUID CIRCUIT
Ernest J. Svenson, Rockford, Ill.
Application March 27, 1930, Serial No. 439,306
Renewed February 3, 1937
219 Claims. (Cl. 82—2)



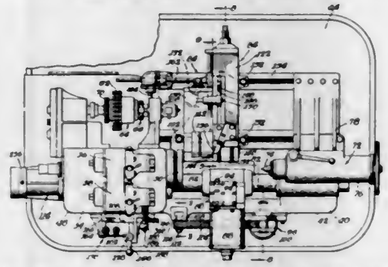
1. In a hydraulic actuator system for moving machine parts and the like, a prime mover, an actuator including a cylinder and piston, fluid propelling mechanism connectible with said prime mover having intake and outlet ports, said propelling mechanism being adapted to impart linear speed to the actuator piston, which is constantly proportional to the speed of movement of said prime mover, a closed duct leading from the intake of the propelling mechanism to one side of the actuator piston, and a second closed duct leading from the outlet of the pump to the opposite side of the actuator piston, whereby fluid may be sealed against leakage within said ducts and moved as a unit for effecting the movement of said actuator.

2,078,696
HYDRAULIC MATERIAL WORKING APPARATUS
Ernest J. Svenson, Rockford, Ill.
Application September 13, 1930, Serial No. 481,742
Renewed February 3, 1937
108 Claims. (Cl. 82—2)



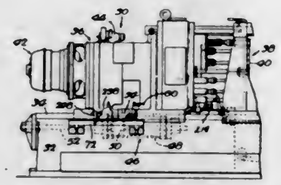
1. In a hydraulic actuator system, a plurality of fluid operated actuators connectable with machine parts and the like, means for supplying fluid under pressure to one of said actuators for imparting movement thereto, means connecting said last mentioned actuator with a second actuator, whereby said first actuator serves to control the operation of said second actuator and thereby effect simultaneous action of said actuators irrespective of the resistance experienced by said actuators, and control mechanism for timingly governing the direction and extent of movement of said actuators with respect to each other.

2,078,697
AUTOMATIC LATHE
Ernest J. Svenson, Rockford, Ill.
Application December 21, 1931, Serial No. 582,192
38 Claims. (Cl. 82—2)



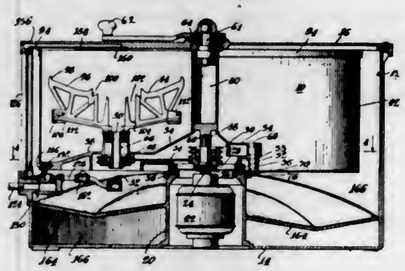
1. In material working apparatus of the class described, a unitary bed including a base formed integral therewith and adapted to rest upon the floor and having a spindle supporting section formed integral therewith and extending upwardly therefrom, a rotary spinde in said section, a shiftable carriage mounted upon said unitary bed, a chip receiving receptacle formed integral with said bed, said receptacle extending upwardly toward and partially housing said carriage so as to provide means for guiding chips away from said carriage and to present a support for said carriage, means for imparting rotation to said spindle, and a compartment for receiving said rotation imparting means so as to position the same separate from said chip receiving receptacle, whereby to maintain said compartment free from chips and the like, the unitary construction of the bed, chip receiving receptacle and spindle supporting section lending increased rigidity to the entire machine structure.

2,078,698
MATERIAL WORKING APPARATUS AND HYDRAULIC SYSTEM OF CONTROL THEREFOR
Ernest J. Svenson, Rockford, Ill.
Application November 1, 1933, Serial No. 696,284
Renewed August 10, 1936
61 Claims. (Cl. 29—38)



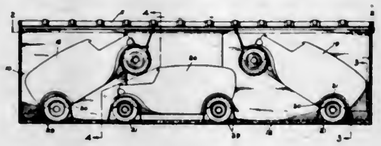
1. In a hydraulic actuator system, a hydraulic actuator for propelling shiftable supporting parts and the like at a relatively fast rate for bringing said supporting part into working position and at a plurality of relatively slow rates of travel during the working movement of said part, a plurality of feed pumps, fluid conducting means connecting said feed pumps with said actuator, and shiftable means for selectively connecting said feed pumps with said actuator, one of the pumps serving and being set to propel the actuator at a slower feeding rate, the combined another of said pumps serving and being set to propel the actuator at an increased rate of feed, power means for propelling said hydraulic actuator at said relatively fast rate of travel, and control means for said power means.

2,078,699
APPARATUS FOR CLEANSING RECEPTACLES
Reeves Taylor, New York, and Charles Amory Hull, Poughkeepsie, N. Y., said Taylor assignor to said Hull
Application December 3, 1931, Serial No. 578,660
3 Claims. (Cl. 141—9)



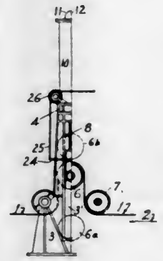
1. Apparatus for cleansing and drying dishes, comprising a cylindrical casing, an axial hollow upright manually rotatable therein, a series of spaced hollow arms extending radially from said upright, article containers rotatably mounted at the ends of said arms within said casing, a vertical drive shaft projecting into said upright, means for rotating said shaft, endless belt driving connections extending through said upright and arms from said shaft to said containers, and means for adjusting said belts whereby one of said driving connections is rendered inoperative by the reduction of the tension therein.

2,078,700
VEHICLE ANCHORING DEVICE
Kenneth J. Tobin, Chicago, Ill., assignor, by mesne assignments, to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application October 17, 1931, Serial No. 569,420
2 Claims. (Cl. 105—368)



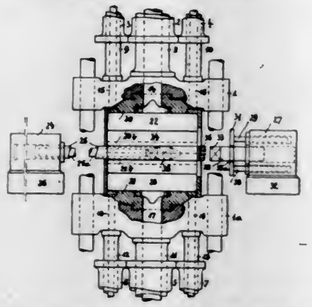
1. An anchoring device for suspending automobiles for shipment in freight cars, comprising a wheel engaging member, a swingable rod secured thereto adjacent an end thereof, a second rod secured adjacent the opposite end of said wheel engaging member and adapted to be secured to the superstructure of the car, said rods having locking engagement with each other in the operative position of said device.

2,078,701
AUTOMATIC DEVICE FOR MAINTAINING AND CONTROLLING TENSION
John B. Tytus and Edwin B. Hudson, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application May 13, 1933, Serial No. 670,930
6 Claims. (Cl. 80—35)



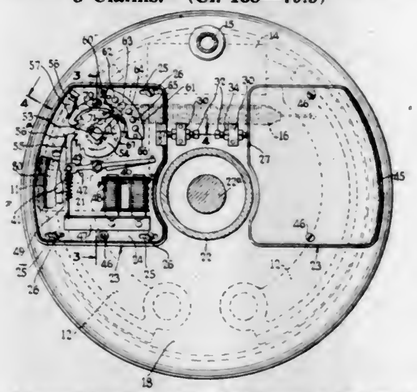
6. In metal rolling apparatus, the combination of a driven mill and another device effecting the movement of a metal strip being rolled, driving means for said two devices, and intermediate said devices, a tension take-up mechanism for rendering the tension between said devices independent of variations in elongation occurring in the rolling of the metal, said tension take-up device comprising a pair of fixed knee rolls and a movable take-up roll, over all of which said strip passes and whereby said strip is taken up in a parallel sided loop, means for exerting upon said take-up roll in a direction to elongate said loop a constant predetermined force irrespective of the movements of said roll, control means for the driving means of said first two mentioned devices and an operative connection between said movable roll and the controlling means for one of said driving means, said operative connection being so arranged that said movable roll may move within a central limited zone without affecting said control means.

2,078,702
DEVICE FOR CORING, DIVIDING, AND CONDENSING INGOTS OF CRUCIFORM CROSS-SECTION
Ignatz Urbaniak, Hindenburg, Germany
Original application November 11, 1935, Serial No. 49,232. Divided and this application May 25, 1936, Serial No. 81,691. In Germany November 20, 1934
5 Claims. (Cl. 29—34)



1. A device for coring, dividing and condensing metal and steel ingots having a centre portion and wings forming together with said portion a structure of cruciform cross-section, comprising a press having coaxial, plunger-operated heads, a two-part die structure of a cross-section substantially equal to that of the ingot controlled by said heads, a plunger operated punch of a cross-section equal to the cross-sectional area bounded by the wing portions of the die structure arranged in position to be driven in axial direction through the die structure and through the centre of the ingot enclosed therein, and a plunger-operated counter punch coaxial with and of equal cross-section to the former punch operated to apply counter pressure to the ingot, the die structure having openings for admitting the punches.

2,078,703
VEHICLE BRAKE
William J. Wisniewski, Bayonne, N. J.
Application September 21, 1936, Serial No. 101,795
8 Claims. (Cl. 188—79.5)



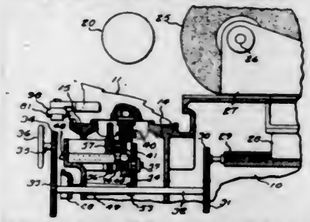
1. In combination, a brake drum, a brake shoe pivoted therein, manually controlled means for actuating said brake shoe, a lining on said shoe, a plurality of conductors on said shoe insulated therefrom and projecting into said lining varying distances, and means for progressively pressing said shoe against the inner cylindrical surface of said shoes as the lining wears, to permit progressive contact of the conductors with said inner surface.

2,078,704
HIGHWAY GUARDRAIL CONSTRUCTION
William R. Baxter, Cleveland, Ohio, assignor to The Empire Plow Company, Cleveland, Ohio, a corporation of Ohio
Application January 16, 1933, Serial No. 651,971
21 Claims. (Cl. 256—13.1)



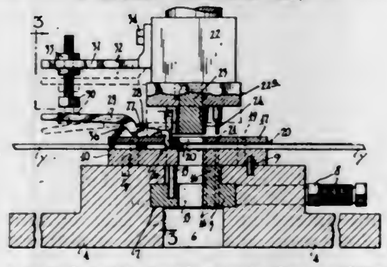
1. A guard rail construction, comprising a series of resilient closed ring members, supporting means therefor, and a rail extending from closed ring member to closed ring member movable independently thereof.

2,078,705
ROLL GRINDING MACHINE
Albert G. Belden, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 24, 1935, Serial No. 56,004
10 Claims. (Cl. 51—100)



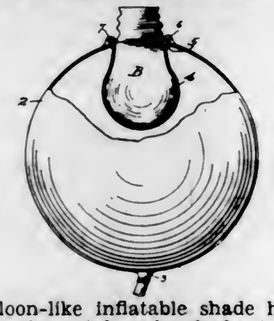
1. A grinding machine comprising a base, a rotatable grinding wheel, a transversely movable slide supporting said wheel, a longitudinally movable table having a pair of parallel flat ways thereon, a pair of spaced parallel ways on said base which are wider than the table ways to permit a longitudinal and transverse movement of said table thereon, a rotatable work support on said table, means to feed said slide either towards or from the table, means to reciprocate said table longitudinally, and means to move said table transversely during the longitudinal movement thereof to generate a predetermined crown on a work piece.

2,078,706
PUNCH PRESS MECHANISM
Vitus A. Boker, Minneapolis, Minn.
Application May 18, 1935, Serial No. 22,239
1 Claim. (Cl. 164—59)



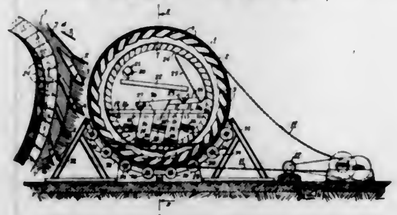
In a punch press mechanism, the combination with a co-operating die and punch, said die having a stripper plate overlying the same and spaced therefrom to afford a stock guideway, said stripper plate adjacent the punch passage thereof, having a short stop slot extended in the direction of the feed of the stock, of a stop gauge in the form of an integral lever extended in the direction of the feed of the stock, and mounted on said stripper plate for combined pivotal and endwise sliding movement in the direction of the travel of the stock and provided with a depending, stock-engaging stop finger working through said stop slot and limited in a sliding movement thereby, and a spring obliquely interposed between said stop lever and stripper plate and tending to impart the compound pivotal and sliding movement of said gauge, in further combination with a tappet movable with said punch and engageable with said gauge to release the same from the stock, when said punch is depressed, said stop gauge being slidably and pivotally anchored to said stripper plate by a yoke secured to the latter and freely embracing the former.

2,078,707
INFLATABLE, LUMINAIR SHADE
Frederick W. Braunschweig, South Gate, Calif.
Application July 27, 1936, Serial No. 92,762
8 Claims. (Cl. 240—10)



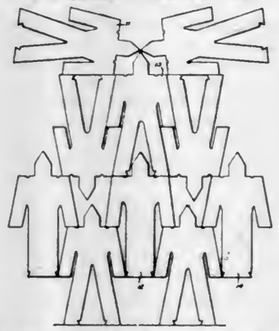
1. A balloon-like inflatable shade having an interior supplemental sack of elastic material and being distensible to receive an electric light bulb.

2,078,708
ORE REDUCING MACHINE
Alvah D. Hadsel, Oakland, Calif.
Application October 14, 1933, Serial No. 693,659
5 Claims. (Cl. 83—46)



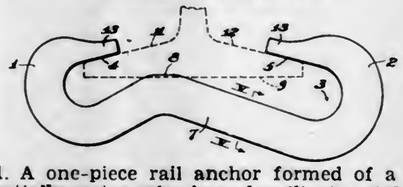
1. In combination, a breaker medium, a drum having buckets for elevating material and for gradually dropping the same over a length of period on the breaker medium in a continuous circuit, a trough extending into the drum lengthwise and having a screen covering the same and being positioned to catch material remaining in the buckets toward the end of the discharge period and being inclined to carry the material outside of the drum, a classifying means adapted to receive the material from the trough and a second trough disposed to receive material discharging from the classifying means and to return the same to the inside of the drum.

2,078,709
INSTRUCTIVE TOY
Clinton J. Hecht, Los Angeles, Calif.
Application February 10, 1936, Serial No. 63,202
6 Claims. (Cl. 35—69)



1. A toy comprising a plurality of identically shaped block of substantial thickness representing a human form, adapted for being assembled edgewise upon each other in a vertical plane, to form various groups in stable equilibrium; said blocks having head and neck portions extending perpendicularly from the shoulder portions, and notches extending transversely across the shoulder portions at a distance from the neck approximately equal to half the width of the neck; the blocks having central pointed head extremities, and other sharp transversely extending corners adapted to selectively engage said notches to resist tension in the cornered members; and the blocks being adapted for mutual peripheral engagement to cooperatively maintain group equilibrium while in positions suggesting instability, through opposing gravitational moments by non-vertical force moments.

2,078,710
RAIL ANCHOR
Edward J. Henggi, Oakmont, Pa., assignor to Henggi Rail Anchor Company, Oakmont, Pa., a corporation of Pennsylvania
Application January 4, 1935, Serial No. 405
3 Claims. (Cl. 238—327)



1. A one-piece rail anchor formed of a substantially rectangular bar of resilient metal bent to form a large jaw at one end, a smaller jaw at the other end, and an intermediate bowed portion adapted to clamp on the base of a rail and to lie flat against the side of a tie, said jaws and bowed portion being so formed and related that the large jaw may be slipped laterally over a rail base flange and the bowed portion seated against the under side of the rail base and then the small jaw driven over the opposite flange of said base, the two ends of the bar having their terminal

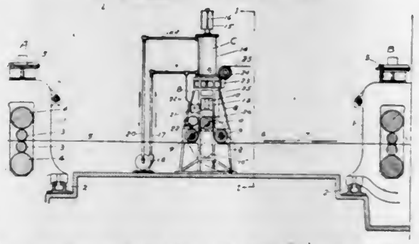
portions elongated and progressively flattened thinned and widened whereby to form comparatively thin laterally extended seating portions adapted to overlie the rail base flange and a portion of the tie thereunder to substantially eliminate flange notching, the entire flange-overlying portions of the ends of the anchor being materially wider and thinner than the body of the anchor under the rail base.

2,078,711

ROLLING UNDER TENSION

Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application April 26, 1933, Serial No. 668,100
6 Claims. (Cl. 80—35)



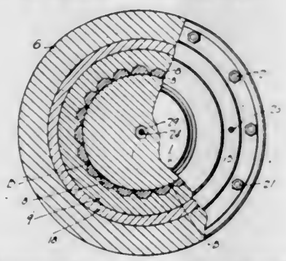
1. In combination with a tandem train of driven cold mills, a pulling device located beyond the final mill and capable of exerting a tension upon a strip being rolled which is not less than the sum of differences in tension between the entering and leaving portions of the strip in all preceding mills, and means between each of the mills in said train and between the final mill and said pulling device for taking up said strip under a predetermined force, said devices being controlled to maintain a positive cumulative difference in tension in the direction of rolling.

2,078,712

SEGMENT BEARING

Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application January 18, 1935, Serial No. 2,403
15 Claims. (Cl. 80—38)



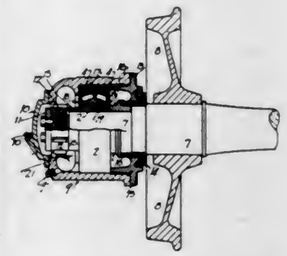
1. A bearing comprising a non-rotatable supporting shaft having a smooth bearing surface, a rotatable sleeve having a plurality of semi-cylindrical grooves axially disposed therein, a plurality of bearing segments of a substantially semi-cylindrical shape to fit within said grooves and project slightly therefrom, their outer face having a curvature substantially similar to that of the non-rotatable shaft, and means for circulating a lubricating medium to all the frictionally engaging surfaces.

2,078,713

SEGMENT RAILWAY BEARING

Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application January 18, 1935, Serial No. 2,404
9 Claims. (Cl. 308—73)



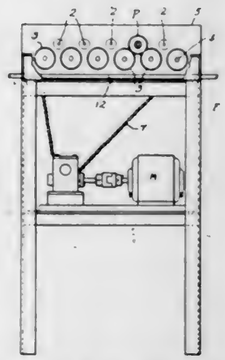
1. In a bearing for railway rolling stock a rotatable element and a non-rotatable element, a smooth bearing surface upon said non-rotatable element, a plurality of axially disposed grooves of semi-cylindrical cross section upon said rotatable element, and a plurality of bearing segments of semi-cylindrical shape mounted with their cylindrical surfaces in said grooves, and their other faces in bearing contact with said bearing surfaces upon said non-rotatable member.

2,078,714

PREPARATION OF TUBULAR SHEET METAL-WARE ARTICLES

William Irven, Lakewood, Ohio, assignor to The Standard Oil Company (Ohio), Lakewood, Ohio, a corporation of Ohio

Application April 16, 1936, Serial No. 74,809
8 Claims. (Cl. 153—54)



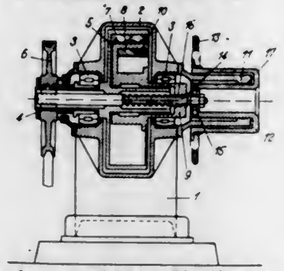
1. In apparatus of the character described, a plurality of mandrels for sheet metal piston elements, rollers adjacent and staggered between said mandrels having peripheries with a groove and a spaced bead, a vertical support plate, shafts carrying said rollers journaled through said plate, means for rotating said rollers, including roller sprockets on said shafts at the rear side of said plate and a chain running over said sprockets, a guard-guide over said chain, a motor for driving said chain, a tray forwardly of said plate in which the lower portions of said rollers dip, a steam heating coil at the bottom of said tray, and a hood for carrying off fumes.

2,078,715

OSCILLATING MECHANISM FOR THE OSCILLATING WIRES OR SIEVES OF PAPER MAKING AND OTHER MACHINERY

Klemens Lurz and Karl Schönemann, Heidenheim-on-the-Brenz, Germany

Application November 9, 1934, Serial No. 752,300
In Germany November 13, 1933
3 Claims. (Cl. 74—61)



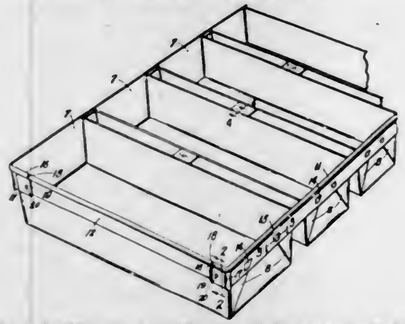
1. Means for angularly adjusting, in oscillating mechanism for the oscillating wires or sieves of paper making or other machinery, one gyrating mass relative to the other, comprising in combination a hollow shaft, a gyrating mass fixed to and another gyrating mass loose on said shaft, a spindle formed with high pitch threading extending in said shaft, a nut on and meshing with said spindle, one of said meshing parts being coupled with said loose mass for rotation in common, and means for axially displacing the other meshing part.

2,078,716

BAKING PAN UNIT

Archibald T. Macdonald, Southgate, Ky., assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio

Application January 25, 1935, Serial No. 3,375
6 Claims. (Cl. 53—6)



1. A baking pan unit comprising a set of aligned baking pans, rigid strap means connecting the pans and embracing the sides and ends of the set, said strap means being secured flat against the outer walls of the set at the top of the walls, and an out-turned roll edge integral and coextensive with the strap means and embracing the outer top edges of the set.

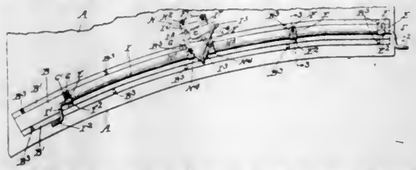
2,078,717

HOOD LATCH

Norton A. Mears, Chicago, Ill., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application January 5, 1935, Serial No. 479
1 Claim. (Cl. 292—217)

In a latch adapted for use with a hinged vehicle hood having a lower edge diverging substantially from the horizontal, a resilient one-piece rock shaft, a plurality of bearing members for said rock shaft carried by said hood, said bearing members being spaced apart along the lower edge of the hood out of axial alignment with each other and positioned to constrain the rock shaft to a generally curvilinear condition, a base plate secured to the inner face of said hood adjacent an



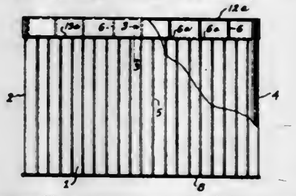
intermediate portion of said rock shaft, a handle rotatably mounted on the exterior of the hood about an axis generally perpendicular to the face of the hood, a lever within said hood associated with said handle and mounted for rotation upon said base plate, a crank member associated with said rock shaft adjacent said base plate, and an actuating connection between said lever and said crank member.

2,078,718

ANNEALING COVER

Edward N. Millan, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application January 22, 1936, Serial No. 60,241
6 Claims. (Cl. 263—49)



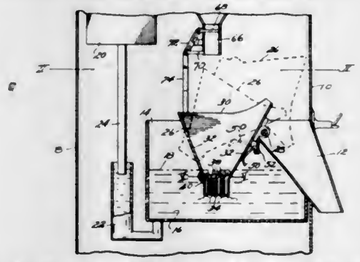
1. An annealing cover comprising corrugated side wall members of plate metal, an arc shaped top of plate metal, the longitudinal edges of said top being bent outwardly to a horizontal plane to form lips, said lips being welded to the tops of said side wall members.

2,078,719

CORN POPPING MACHINE

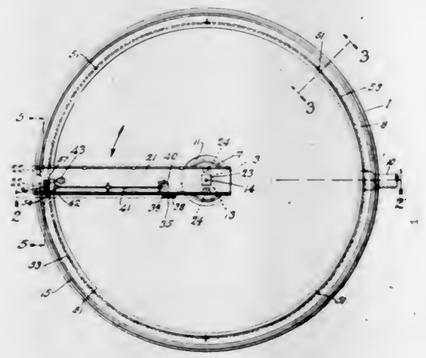
Floyd I. Roach, Kansas City, Mo.

Application July 13, 1936, Serial No. 90,317
11 Claims. (Cl. 53—4)



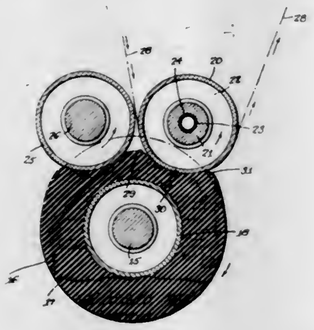
1. In a corn popping machine, the combination of a reservoir for popping oil; a hopper movable to and from a position within the reservoir; and a plurality of heating elements forming a bottom for the said hopper for supporting the unpopped kernels of corn.

2,078,720
POSITIVE DRIVE MECHANISM
William W. Sayers, Chicago, Ill., assignor to Link-Belt Company, a corporation of Illinois
Application March 16, 1935, Serial No. 11,482
8 Claims. (Cl. 210—55)



5. In a settling tank, an annular trough positioned within and below the upper margin of said tank, a bridge, a track adjacent the peripheral wall of the tank adapted to support one end of the bridge, positive means associated with the supported end of the bridge for moving it along the track, means associated with the bridge and adapted to move therewith along the bottom of the tank for collecting material settled therein, said positive means comprising a cable, means for holding it against longitudinal movement, said cable positioned within said trough, means on the bridge adapted to grip the cable and exert a tension thereupon, to cause movement of the bridge, said means comprising a power source, a pulley, about which the cable travels, a driving connecting between the power source and the pulley and means to prevent slippage of the chain along the periphery of the pulley.

2,078,721
DEVICE FOR SHRINKING CLOTH
Leon J. Scanlon, Taunton, Mass.
Application August 27, 1935, Serial No. 38,078
9 Claims. (Cl. 26—18.6)



1. A cloth shrinking device comprising a plurality of rolls rotatably mounted therein, one said roll embodying a resilient portion, and two said rolls adjacent each other, in contact with and pressing into an upper part of said resilient portion and distorting all of said upper part immediately between said two rolls.

2,078,722
SPACING MEMBER FOR TYPE LINE SETTING AND PRINTING MACHINES
Fritz Julius Weber, Winterthur, Switzerland, assignor to Schweizerische Lokomotiv-& Maschinenfabrik, Winterthur, Switzerland
Application June 30, 1936, Serial No. 88,216
In Switzerland July 12, 1935
4 Claims. (Cl. 199—64)



1. Spring spacer for line setting and printing machines comprising in combination a body having a delivery gearing provided with two rows of combination teeth spaced apart, and a plurality of superposed springs bent in the longitudinal direction of the spacer body and attached together at the spacer body, whereby the ends of the springs stand off from the spacer body and extend with their part directed toward the delivery gearing adjacent the space between the two rows of teeth.

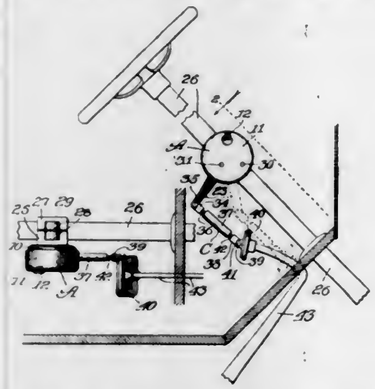
2,078,723
ROTARY CYLINDRICAL VALVE
Angus Humphrey Cuddon-Fletcher, Somerton Hall, near Great Yarmouth, England
Application March 31, 1936, Serial No. 71,944
In Great Britain October 19, 1934
5 Claims. (Cl. 123—59)



1. Improved rotary valve for internal combustion engines comprising in combination a plurality of sleeves fitting one within another each sleeve having port apertures in corresponding positions, means for rotating the sleeves as a composite valve, each of said sleeves having expansion absorbing slots extending therealong, the slots in each sleeve being short, but extending collectively for substantially the whole length of the sleeve, and the slots in one sleeve being out of register with those in another sleeve.

2,078,724
LOCKING DEVICE
Charles W. Dupuis, Chicago, Ill.
Application January 24, 1935, Serial No. 3,332
5 Claims. (Cl. 70—202)

1. In combination with the brake pedal of a vehicle, an arm pivotally secured thereto, and automatic means for locking said arm against



movement in one direction only when said pedal is depressed.

2,078,725
VEST OR WAISTCOAT
Charles Emms, London, England
Application February 14, 1935, Serial No. 6,552
In Great Britain October 8, 1934
1 Claim. (Cl. 2—102)



A dress or like vest constructed in the form of an open-ended body-encircling band having fastening means at its ends and comprising a narrow front section comprising overlapping portions stitched together and having its outer ends of lesser width than the center, narrow side straps directly connected by stitching to the ends of the front section, the upper edges of the straps being disposed in alinement with the upper edge of the front section, and the connections between the front section and the side straps being transversely flexible, and transverse stiffening means attached to the front section on opposite sides of and in close proximity to the center line of said front section.

2,078,726
SOAP AND THE PREPARATION OF AN OIL FOR USE THEREIN
Carl H. Haurand, North Plainfield, N. J., assignor to The Best Foods, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 21, 1933, Serial No. 694,615
13 Claims. (Cl. 87—16)

11. A method for producing a cold process soap comprising mixing with sufficient caustic solution to substantially completely saponify the same, a vegetable oil of the class consisting of non-drying and semi-drying oils having a saponification number above about 230 hydrogenated sufficiently to retard color change in the finished soap but insufficiently to cause substantial hardening of the oil, the hydrogenation serving to decrease the iodine number by about 5–20%.

2,078,727
COMPOSITIONS OF MATTER AND USE THEREOF
James J. Jackson, Woodbury, N. J., assignor to Paulsboro Manufacturing Company, Paulsboro, N. J., a corporation of New Jersey
No Drawing. Application August 20, 1935, Serial No. 37,100
2 Claims. (Cl. 134—23.7)

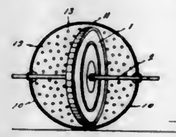
1. A plastic adhesive composition that will not stick to cold laminating rolls, comprising asphalt substantially 15 to 40%, pitch substantially 17 to 30%, gilsonite substantially 4 to 10%, and slate substantially 45 to 55% by weight.

2,078,728
REBOUND CHECK FOR GOLF CLUB SHAFTS
Allan E. Lard, Washington, D. C.
Application November 30, 1936, Serial No. 113,510
13 Claims. (Cl. 273—80)



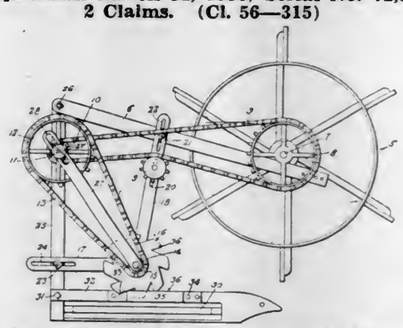
1. In a golf club, a tubular steel golf shaft, a split member inserted in said shaft, and a rubber bumper coacting with said member to resist the piston-like movement of said member thereby acting to check the rebounds of said golf shaft in play, said split member being provided with a recess expansible in width under flexion of said member and flexed backwardly to receive said rubber bumper.

2,078,729
STRUCTURAL GYROSCOPIC PHENOMENA
Joseph E. Lemoine, Vancouver, British Columbia, Canada
Application March 5, 1936, Serial No. 67,359
3 Claims. (Cl. 46—50)



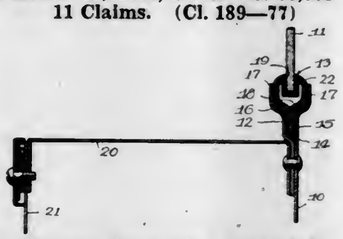
1. A gyroscope having a wheel in which the perpendicular center plane thereof is slightly deflected laterally at one or more points to cause said wheel to wobble and set up vibrations within the supporting framework of said wheel when the latter is rotated whereby said vibrations will cause said gyroscope to set up motion and traverse at right angles to the plane of rotation of said wheel when said gyroscope is free to move during rotation of said wheel.

2,078,730
REVOLVING CUTTING DEVICE
Earnest E. Long, Upper Sandusky, Ohio
Application March 31, 1936, Serial No. 71,948
2 Claims. (Cl. 56—315)



1. In combination with a combine having a platform and a reel, a knife at the outer end of the platform, a guard in spaced parallelism with the knife, and rotary cutter means adjustably supported adjacent the outer end of the platform and working between the knife and the guard in shearing relation to said knife for cutting off grain bridging the knife and the guard, and drive means connecting the reel and the rotary cutter.

2,078,731
ACOUSTICAL TREATMENT OF WALLS
Ralph Forbush Norris, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application filed December 6, 1935, Serial No. 53,277. Divided and this application filed March 11, 1936, Serial No. 68,308
11 Claims. (Cl. 189—77)



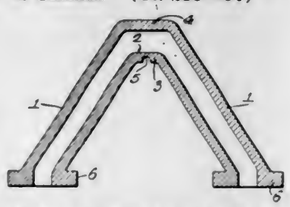
4. A vibration dampening support for window panes comprising a window frame having a channel along the edges thereof, a flexible strip mounted within said channel and fastened to the base only of said channel, said flexible strip having an outwardly opening slot, the edges of said window pane being held in said slot, the portions of said strip between said slot and the sides of said channel being hollow.

2,078,732
PROTECTOR FOR SUEDE SHOES
Marie C. Palmer, Chicago, Ill.
Application March 14, 1936, Serial No. 68,943
1 Claim. (Cl. 36—1)



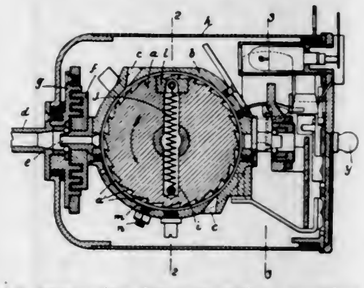
In combination with a suede shoe provided with a nap, a resilient fabric body shaped to fit the contour of the major portion of said shoe, the body being provided with an upper opening and a lower heel opening, said fabric being interlocked with said nap whereby it adheres to said shoe against removal when the galosh is drawn on or removed from said shoe.

2,078,733
HOSE CONNECTER
Michael H. Ryan, Los Angeles, Calif.
Application May 20, 1936, Serial No. 80,847
4 Claims. (Cl. 285—90)



1. A connecter for railway train hose, comprising tubular members so disposed as to form an arch, the tubular members having a place of juncture with each other, at the crown of the arch, the place of juncture embodying inner and outer walls, the inner wall being thinner at the crown of the arch than the outer wall at the crown of the arch, to weaken the connecter and to facilitate a rupture of the connecter, at the place of juncture, under a pull in opposite directions, when the train pulls apart.

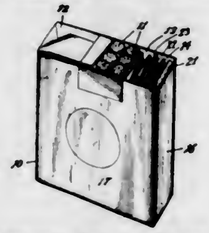
2,078,734
GYROSCOPIC APPARATUS
Peter Schilovsky, London, England
Application May 31, 1934, Serial No. 728,296
In Great Britain May 31, 1933
5 Claims. (Cl. 33—204)



1. An apparatus for measuring angular velocities, comprising a gyroscope having the following features in combination, namely, an air driven gyro wheel, a gimbal frame therefor in the form of a casing closely surrounding said wheel, and a centrifugal braking device, the co-operating elements of which are an element mounted on the gyro wheel, and the inside of said casing.

5. A turn indicator comprising a gyroscope having an air driven gyro wheel formed on its circumference with buckets, a freely journalled contour casing surrounding said wheel and formed with air nozzles constantly directed against said buckets so that the direction of the jets of air with respect to the buckets remains the same under all conditions and a labyrinth bearing for said casing and through which the air from the casing is exhausted, the area of reduced pressure being confined within said casing.

2,078,735
PACKAGE
Louis E. Schleber, New York, N. Y., assignor to Fort Orange Paper Company, Castleton-on-Hudson, N. Y., a corporation of New York
Application November 27, 1935, Serial No. 51,792
4 Claims. (Cl. 206—48)

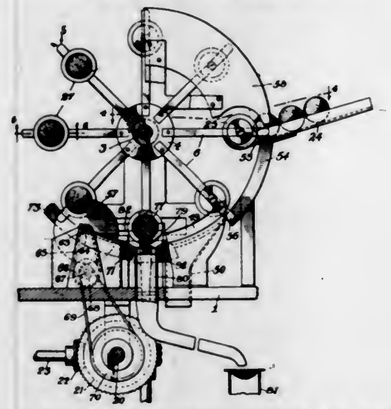


1. An accessory for packages of elongated articles comprising a strip of resilient material of a height substantially the length of the article and of the character of card-board folded on lines lengthwise of the height to provide a plurality of accordion panels inherently tending to unfold when folded and adapted to be placed in a package for holding the contents of the package positioned.

2,078,736
MOTOR FUEL
Hendrik B. J. Schurink, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 26, 1935, Serial No. 51,632. In the Netherlands December 13, 1934
6 Claims. (Cl. 44—9)

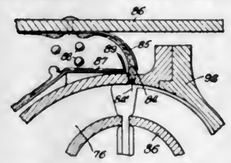
1. An antiknock motor fuel comprising an aqueous tertiary butyl alcohol containing from about 12% to 35% by weight of water.

2,078,737
AUTOMATIC FRUIT JUICE EXTRACTOR
Crispin B. Segovia, New York, N. Y.
Application November 9, 1935, Serial No. 49,077
3 Claims. (Cl. 100—39)



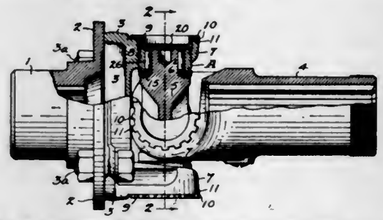
1. In an orange squeezer, means for gripping and holding the cut oranges, means for squeezing the juice from said oranges, said means including a pair of spaced members, a stationary squeezing head, and means for forcing cut oranges against said squeezing head, each of said spaced members having a recess provided with protuberances for gripping an orange and means for ejecting the orange, said ejecting means including a sliding ejecting plate, a pair of members extending from said ejecting plate, a pair of cables for actuating said members extending from said ejecting plate, a shaft for actuating said cables, a beveled wheel connected with said shaft and a stationary cam acting on the bevel wheel for moving the same to cause said shaft to function to pull said cable as said feed wheel moves.

2,078,738
HYDRAULIC COUPLING OR TORQUE CHANGER, FILLING, AND EMPTYING MEANS
Ernst Seibold, Heidenheim-on-the-Brenz, Germany, assignor to J. M. Voith, Heidenheim-on-the-Brenz, Germany, a copartnership composed of Walther Voith, Hermann Voith, and Hanns Voith
Original application September 9, 1933, Serial No. 688,727. Divided and this application May 23, 1934, Serial No. 727,164. In Germany September 10, 1932
4 Claims. (Cl. 60—54)



1. A hydraulic apparatus comprising a stationary casing, rotary means including an impeller, a driven wheel and a rotary casing secured to one of them and enclosing the other arranged in said stationary casing, means for delivering the working fluid to the rotary parts arranged in said stationary casing, said delivering means being adapted to impart a rotary motion to the working fluid, circumferential means for discharging the fluid from the rotary parts and means comprising a guide member adapted to prevent the discharged fluid from again coming in contact with the rotary parts.

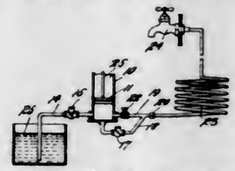
2,078,739
UNIVERSAL JOINT
William W. Slaght, Rocky River, Ohio, assignor to Cleveland Steel Products Corporation, Cuyahoga County, Ohio, a corporation of Ohio
Application November 15, 1932, Serial No. 642,713
3 Claims. (Cl. 64—17)



1. In a universal joint, a trunnion bearing unit comprising a cylindrical sleeve having an end of reduced diameter, a closure plate having a peripheral flange fitting closely against said reduced end, an annular closure plate carried at the other end of said sleeve and having a trunnion receiving aperture, a plurality of indi-

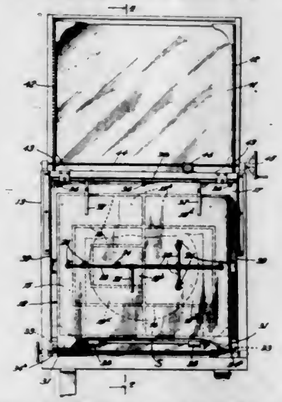
vidual rollers positioned between said plates each having projecting ends, and inwardly extending annular roller retaining shoulders on said plates for cooperation with the projecting ends of said rollers to hold said rollers in assembled relation in said sleeve prior to assembly of the sleeve to the joint.

2,078,740
CLEANING DEVICE FOR COIL SYSTEMS
Emil Stahl, Jersey City, N. J.
Application August 6, 1935, Serial No. 34,881
2 Claims. (Cl. 225—13)



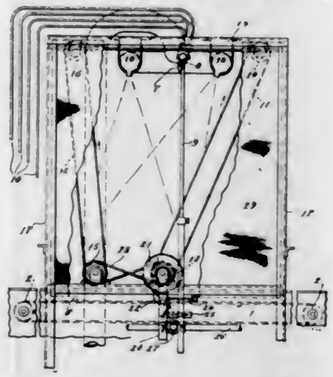
1. An apparatus of the character described comprising a pump, a water supply pipe connected to the pump, a check valve interposed in said pipe between the source of water supply and the pump, a pipe leading from the pump for attachment to the end of a coil to be cleaned, a third pipe connected to the pump and also to the second pipe, a check valve located in the third pipe, and a manually operated valve in the second pipe, said manually operated valve being located in said pipe between its point of connection to the pump and its point of connection with the third pipe.

2,078,741
HOLDER
Carl O. Stenmark, Brooklyn, N. Y.
Application January 8, 1936, Serial No. 58,145
5 Claims. (Cl. 95—66)



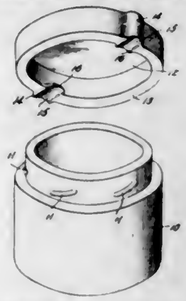
1. A holder for films and the like, comprising a frame, a hollow body portion having a flat forward surface and said surface having a plurality of perforations communicating with the hollow interior of the body portion, means for applying a vacuum effect within said body portion and communicating the same through said perforations to a film or the like upon said surface, said body portion being hinged in said frame to close and position said surface in a definite plane with respect to said frame, said holder having a movable focusing glass and said glass being in said plane and position of the said surface when focusing and the body portion being then swung out of that position.

2,078,742
OFFSET PREVENTING MECHANISM
Arthur K. Taylor, Baltimore, Md., assignor to The United States Printing and Lithograph Company, Baltimore, Md., a corporation of Ohio
Application December 7, 1935, Serial No. 53,329
6 Claims. (Cl. 91—45)



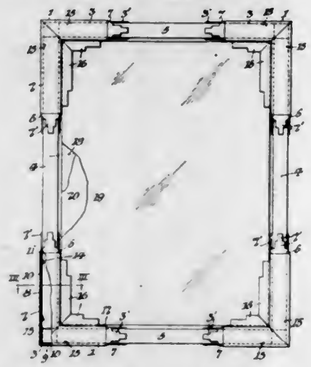
1. In combination, mechanism for receiving freshly printed sheets in succession from a press with printed faces up, a sprayer above said sheets to spray anti-offset liquid upon the passing sheets, a pair of absorbent endless belts each being mounted on a pair of spaced rollers, one belt being on each side of said sprayer and said rollers extending substantially at right angles to the direction of movement of said sheets, one roller of each belt being in proximity to the moving sheets and the other roller of each belt extending above the spread of the spray from said sprayer and means to drive said belts whereby the spray is confined and directed upon the sheets and the absorbent belts constantly present an adhering surface for spray striking the same.

2,078,743
CLOSURE CAP FOR CONTAINERS
Aaron Traum, Bronx, N. Y.
Application February 6, 1935, Serial No. 5,165
6 Claims. (Cl. 131—51)



1. A device adapted to serve in the dual capacity of a closure cap for a container and when removed therefrom and inverted, as an ash tray, said device including an end wall and a marginal rim having an enlarged portion at the free edge of the rim extending radially outward from the outer periphery thereof and formed with a continuous recession in the free edge of the rim and said enlarged portion thereof, said enlarged portion being adapted to be used as a shank for removing the device from the container, and means on the inner periphery of the rim for engaging with cooperative means on the container to removably secure the device thereon when serving as a closure cap therefor.

2,078,744
ADJUSTABLE PICTURE FRAME
Charles M. Tursky, Turtle Creek, Pa.
Application September 12, 1936, Serial No. 100,456
7 Claims. (Cl. 40—155)



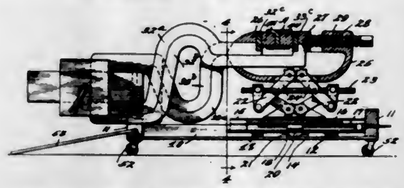
5. In an adjustable picture frame, the combination with four corner pieces, each including two rigid tubular sockets in right angular relation and respectively completely annular and rectangular in cross section; of four bars forming side members of said frame, respectively completely annular and rectangular in cross section, and having their ends slidably fitted in telescopic relation within respective sockets in said corner pieces; the free ends of said sockets being extended, severed at the corners and offset inwardly to form independently resilient fingers, in quadrangular relation, respectively embracing side surfaces of said bars for frictionally holding the latter in adjusted position, with the bars in parallel relation with said sockets.

2,078,745
SLIDER FOR SLIDE FASTENERS AND METHOD FOR MAKING THE SAME
Frederick Ulrich, New York, N. Y., assignor, by mesne assignments, to Conmar Products Corporation, Bayonne, N. J., a corporation of New Jersey
Application August 21, 1934, Serial No. 740,733
17 Claims. (Cl. 29—148)



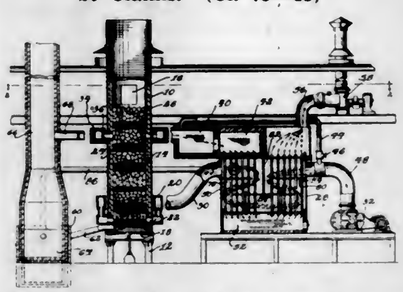
9. In the manufacture of a slider for a slide fastener, the method which includes stamping a shaped blank from relatively heavy gauge sheet metal, swaging the edges of the blank to thin the same and to bend the same inwardly to form guideways for the slider, and compressing the guideways on all sides including the inwardly facing edges, striking a portion of one side of the slider outwardly free of the slider to form an embryo bail, indenting the embryo bail from opposite sides to finish the same, and bending the blank at the neck portion to bring the sides in superposition.

2,078,746
METAL HEATING
Roland A. Vasey, Tucson, Ariz., assignor to Henry H. Snelling, Washington, D. C.
Application April 17, 1928, Serial No. 270,661
17 Claims. (Cl. 219—11)



1. The method of heating an axle in place in an automobile which comprises passing an electric current thru a portion of the axle while interposing in the circuit and in contact with the axle a fusible composition which will melt at a temperature below the temperature at which the axle will be injured.

2,078,747
PROCESS OF AND APPARATUS FOR OPERATING CUPOLAS
Frederick K. Vial, La Grange, Ill., assignor to Griffin Engineering Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1934, Serial No. 706,549
20 Claims. (Cl. 75—43)

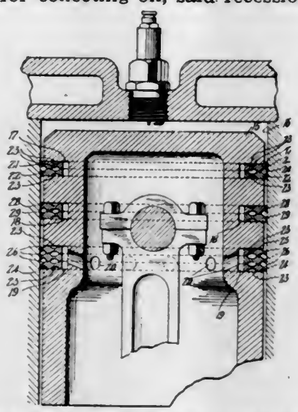


1. The process of operating a remelting metal working apparatus, comprising the steps of charging a remelting cupola furnace with quantities of metal and combustible material, delivering air to support combustion of said material through a preheater, discharging molten metal from said cupola directly to a refining furnace, introducing waste non-combustible gases from another furnace into said preheater to transfer heat therefrom to said air without being mixed therewith to preheat the same prior to its entrance into said cupola, and introducing preheated air from said preheater into said refining furnace to support combustion therein.

2,078,748
PACKING RING
Albert W. Wenzel, West Orange, N. J.
Application March 27, 1936, Serial No. 71,087
12 Claims. (Cl. 309—45)

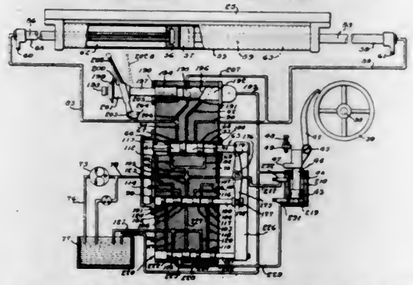
1. A piston ring comprising juxtaposed sections having contiguous side walls and circumferential cylinder-engaging walls, said sections having an annular channel therein opposed portions of which are in the respective sections, the channel being inset from the respective circumferential walls enabling oil entering between the sections to be received, and distributed in said

channel, one of said sections having a circular recession for collecting oil, said recession and one



portion of the annular channel both being in one of said contiguous walls.

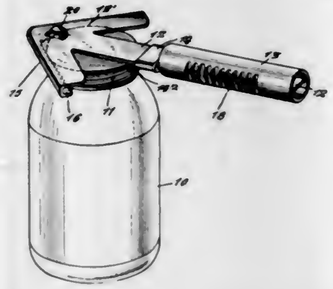
2,078,749
HYDRAULICALLY OPERATED GRINDING MACHINE
Wallace H. Wood, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 1, 1936, Serial No. 72,115
7 Claims. (Cl. 51—95)



1. A grinding machine comprising a transversely movable rotatable grinding wheel, means including a piston and cylinder to feed said wheel transversely, a longitudinally movable work supporting table, means including a piston and cylinder to reciprocate said table, a fluid pressure system including a pump, a reversing valve to change the direction of fluid pressure to said cylinder, a pilot valve to control the movement of said reverse valve, a bell crank lever operatively connected to said pilot valve, a pair of balanced springs to hold said lever and valve in a neutral or central position, a pair of movable plungers carried by said base which are operatively connected to actuate said lever and valve, adjustable staggered dogs on said table, and a roller on each of said plungers, each of which is arranged in the path of one of said dogs.

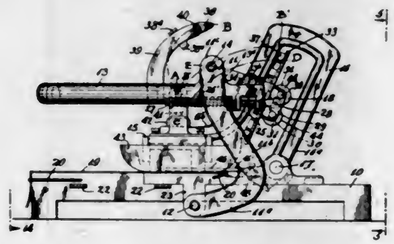
2,078,750
WRENCH
Vincent Bernesser, Shandaken, N. Y.
Application February 6, 1936, Serial No. 62,564
1 Claim. (Cl. 81—3.1)

A wrench of the character described consisting of three pieces, one of which comprises a flat bar portion having threads formed in its side edges only, and having a V-shaped head formed on one end, said head being of substantially channel formation in cross-section defining upper and lower parallel walls continuing through the bight of the V-shaped head, and an outer end wall, the upper wall being integral with the flat bar portion and the lower wall having its free edge presented for engagement with a jar cap with the



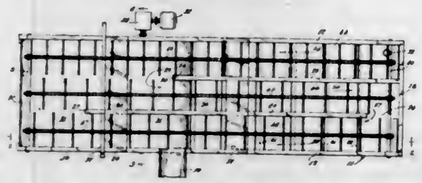
uninterrupted intermediate portion of the lower wall acting to strengthen the end portions of the lower wall when the wrench is in service, a tubular handle portion having discontinuous threads formed therein adapted to engage with the threads on the bar in one position and to be disengaged therewith when in another position, and a jaw member carried on the bar in slidable relation between the inner end of the handle and the V-shaped head.

2,078,751
HAND OPERATED PRINTING PRESS
Carl Edward Carlsen, New York, N. Y.
Application December 7, 1936, Serial No. 114,585
8 Claims. (Cl. 101—298)



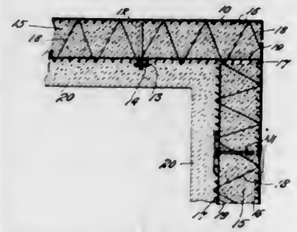
1. In a hand operated printing press, a stationary printing bed, a pair of spaced L-shaped arms in side alignment with each other pivotally mounted at their lower ends on said bed, a handle pivotally supported between the upper ends of said L-shaped arms, a type holding form pivotally depending from said handle at a point offset from the pivot support of said handle, an inverted U-shaped arm pivotally mounted at one end on said bed and having its other end horizontally extended and connected with said type holding form, an inking attachment mounted on the latter end of said U-shaped arm and cooperative with said handle and type holding form, and said U-shaped arm being inclined slightly from the vertical direction and away from said L-shaped arms.

2,078,752
SAND AND MUD SEPARATOR AND MIXER FOR WELL DRILLING
Chris T. Christensen, Alhambra, Calif., assignor by decree of court to Mary Theresia Christensen
Application April 13, 1933, Serial No. 665,923
3 Claims. (Cl. 209—464)



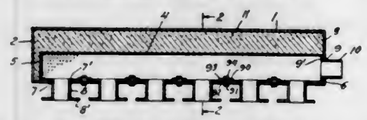
1. In a device as described, an elongated tank having a flat floor and an inclined discharge end, means forming an inlet for mud containing sand at the end remote from the discharge end, a plurality of baffle plates positioned in the tank to extend above the level of liquid therein, the lower ends of the baffles being spaced above the bottom of the tank, whereby sand conveying mud flowing longitudinally of the tank is forced downwardly under each baffle to facilitate separating sand from the mud, a conveyor operating along the floor of the tank and upwardly on the discharge end to remove sand deposited in the tank, and means to discharge desanded mud adjacent the inclined discharge end of the tank.

2,078,753
REFRACTORY HEAT INSULATION
Frank Christenson, Jamaica, N. Y., and Horace N. Clark, Bound Brook, N. J.
Application August 22, 1936, Serial No. 97,414
5 Claims. (Cl. 72—16)



1. A heat insulating wall comprising a blanket of insulating material having a facing of castable monolithic refractory cement, said blanket comprising a layer of fibrous heat insulating material supported between metal screens.

2,078,754
SILENCER
John A. Day, Birmingham, Mich., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application March 24, 1934, Serial No. 717,197
15 Claims. (Cl. 181—40)



6. A manifold for internal combustion engines comprising a substantially imperforate casing, a perforated shell within said casing and spaced from at least two longitudinal walls thereof and defining spaces therebetween, means for mounting said shell within said casing in relatively movable relation to said casing whereby said shell may expand freely with respect to said casing, gaseous-pressure wave absorbing material in said spaces, and a plurality of conduits communicating with the interior of said shell, some of said conduits being adapted to be connected to the ports of the engine.

2,078,755
COATING FUEL TO PREVENT DUSTING AND PRODUCT THEREOF
Per K. Frolich, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 12, 1931, Serial No. 580,738
12 Claims. (Cl. 44—6)

1. Method of treating solid carbonaceous fuels comprising coating them with a material containing a hydrocarbon sulfonic compound adapted to retard the formation of dust and substantially free of tar.

2,078,756
TRACKING CONNECTION FOR VEHICLES
Romaine R. Harris, Portland, Oreg.
Application January 22, 1936, Serial No. 60,182
14 Claims. (Cl. 280—99)

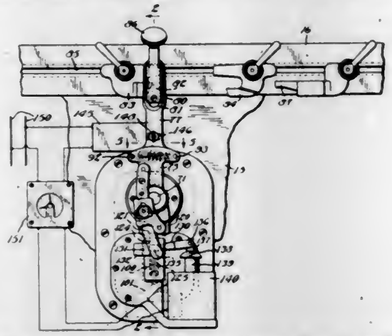


1. In a series of vehicles connected in trailing alinement, each vehicle provided with a body and dirigible wheel elements, said wheel elements being susceptible of separate and independent movement with respect to each other, means for maintaining said wheel elements in predetermined relation with each of the other wheel elements, a coupler element extending between said vehicles and comprising a pair of crossed rigid and unitary members of fixed length each pivotally connected at its ends to the bodies of said vehicles, said coupler element constituting the drawbar between vehicles and operating connections joining said crossed members respectively to the wheel elements on the vehicle trailing said members.

2,078,757
GRINDING MACHINE TABLE RECIPROCATING MECHANISM
Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application November 20, 1936, Serial No. 111,775
10 Claims. (Cl. 74—27)

1. In a grinding machine, a longitudinally reciprocable table, means to reciprocate said table, means including a lever to stop said table movement, adjustable dogs on said table to actuate said lever, and an electrically controlled mecha-

nism to start movement of the table in the re-



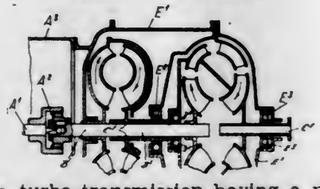
verse direction after a predetermined period of dwell.

2,078,758
HAIR WAVING HEATER
Ernest O. Frederics, Bronxville, N. Y.
Application July 13, 1934, Serial No. 734,903
12 Claims. (Cl. 219—24)



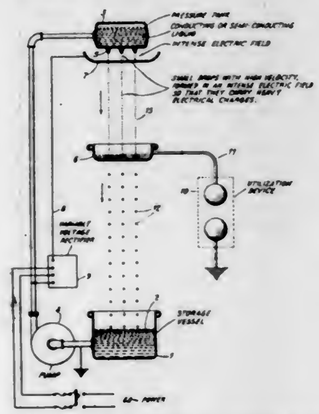
2. In a heater for permanent wave machines, a plurality of independently mounted heating elements each element having an inner face of arcuate cross section, a casing surrounding said heating elements open only at the ends thereof for insertion and removal of a coil of hair, and resilient means for urging said elements toward each other.

2,078,759
HYDRODYNAMIC TURBO-TRANSMISSION
Oskar H. Hacker, Wiener-Neustadt, Austria, and Ernst Seibold, Heidenheim-on-the-Brenz, Germany, assignors to J. M. Voith, Heidenheim-on-the-Brenz, Germany, a copartnership composed of Walther Voith, Hermann Voith, and Hanns Voith
Application July 9, 1934, Serial No. 734,439
In Germany July 10, 1933
3 Claims. (Cl. 60—54)



1. In a turbo-transmission having a plurality of working liquid circuits, a primary shaft, a pump impeller for each of said working liquid circuits arranged longitudinally on said primary shaft, a secondary shaft in alignment with the primary shaft and having a hollow part around the primary shaft, turbine runners for each of said working liquid circuits arranged longitudinally on said secondary shaft, a housing for said working liquid circuits and primary and secondary shafts, said housing supporting bearings for said secondary shaft, a guide wheel supported by said housing for certain of said turbine runners, and a single bearing interposed between the primary shaft and secondary shaft and disposed intermediate the two circuits for supporting the primary shaft near one end thereof, the combination therewith of a prime mover casing supporting said housing, a prime mover shaft therein, and a coupling on said prime mover shaft for the other end of the primary shaft having means permitting the angular difference between the alignment of the the prime mover shaft and primary shaft.

2,078,760
HIGH VOLTAGE GENERATOR
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 9, 1935, Serial No. 15,408
9 Claims. (Cl. 171—329)

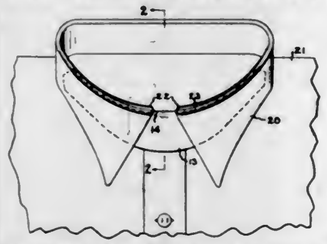


1. A high voltage generator comprising an electrical supply source, a storage vessel containing a liquid having conducting properties, an elevated pressure tank, a pump for drawing said liquid from said storage vessel up to said elevated tank, said tank having a plurality of apertures for enabling said liquid to escape in small drops, a second storage vessel for collecting said small drops, means comprising a metallic plate located near the path of travel of said small drops from said elevated tank to said second storage vessel for producing an intense electric field for causing said drops to acquire electrostatic charges, said charges being given up to said second storage vessel, means for enabling the liquid collected in said second vessel to escape therefrom in the form of larger drops having less electrostatic capacity per unit of volume than said smaller drops, and a utilization device connected to said second storage vessel.

2,078,761
COLLAR SUPPORT
Albert P. Herrlinger, Cincinnati, Ohio, assignor to The Herrlinger Paper Co., Cincinnati, Ohio, a corporation of Ohio
Application December 19, 1932, Serial No. 647,856
1 Claim. (Cl. 223—83)

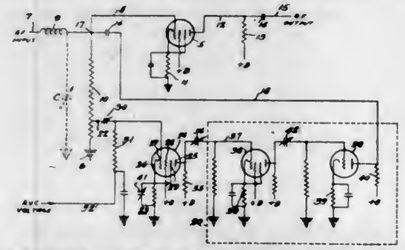
In combination with a shirt having a collar attached, a collar support comprising a flat flexible body portion arranged within the inner face of said collar, a head adapted to be received under the collar flaps, said body portion being connected

to said head and having central spaced apart incisions for forming a neck between said head and body portion, said neck folded along a line be-



tween the bases of said incisions within said body with the upper edge of said body portion projecting above said neck and head and the upper edge of said collar.

2,078,762
AUTOMATIC TONE CONTROL SYSTEM
Poul F. G. Holst, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 2, 1936, Serial No. 57,121
14 Claims. (Cl. 179—1.2)



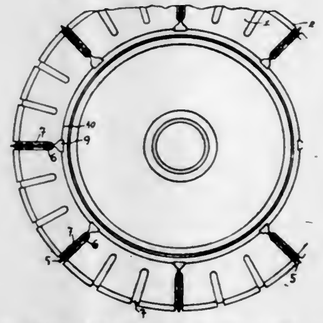
1. A tone control system for an audio frequency amplifier, comprising in combination, a series inductor, a shunt potentiometer device, a variable gain amplifier coupled to a low signal potential point on said potentiometer device, a capacitor connected with said inductor, and means for impressing amplified signals from said first named amplifier on said capacitor thereby to vary the effective capacity in circuit with said inductor, whereby a low pass variable filter is provided.

2,078,763
PEN-ARM MOUNTING
Walter N. Hubbard, Meriden, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application May 19, 1936, Serial No. 80,505
13 Claims. (Cl. 234—1)



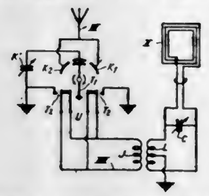
1. In a pen-arm assembly for a recording instrument having an element deflecting with a measured magnitude: the combination of a retaining member mounted on said deflecting element and including a pair of resiliently supported, apertured, and downwardly disposed lugs, and a pen-arm having transversely disposed pivots adapted to engage in the respective apertures of the downwardly disposed lugs, there being provided on the retaining member a further pair of lugs resiliently supported thereby and upwardly disposed for release of the pen-arm upon mutual approach of the said upwardly disposed pair of lugs.

2,078,764
NON-SKID DEVICE FOR VEHICLE WHEELS
Georg Kielmansegg, Maria-Enzersdorf, near Vienna, Austria
Application March 24, 1934, Serial No. 717,160
In Austria April 3, 1933
6 Claims. (Cl. 152—14)



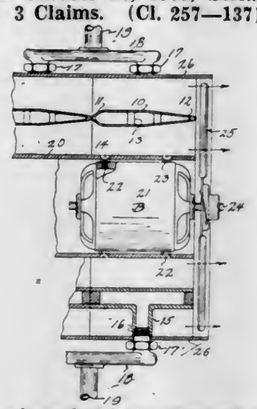
1. Non-skid device for wheel tires consisting in the combination of a wheel tire provided with grooves extending transversely to the peripheral direction of the tire, short, flexible non-skid members provided with two ends adapted to be inserted in said grooves, a counter-hook on each end, and hook-like means formed out of the material of the wheel tire at the side surfaces of the tire for securing thereto the two counter-hooks at the ends of the non-skid members.

2,078,765
DIRECTION FINDING RECEIVER CIRCUIT
Walter Kühlewind, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 27, 1936, Serial No. 60,897
In Germany January 12, 1935
5 Claims. (Cl. 250—11)



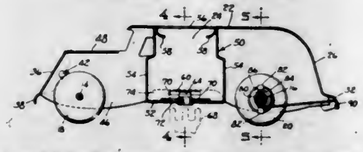
1. A receiver circuit for direction finding having a directional antenna and a linear auxiliary antenna in combination with means for suppressing reaction upon the directional antenna, said means comprising apparatus for varying the amount of energy transmitted from the auxiliary antenna to the directional antenna, an intermediate aperiodic circuit highly detuned with respect to the receiving wave connected to the directional antenna, a constant reactive coupling element interposed between said aperiodic circuit and said directional antenna and a variable reactive coupling element interposed between said aperiodic circuit and said auxiliary antenna.

2,078,766
UNIT HEATER
Walter L. Mack, Chicago, Ill., assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill., a corporation of Delaware
Application October 26, 1935, Serial No. 46,906
3 Claims. (Cl. 257—137)



1. A ring shaped radiator element comprising a cast ring shaped conduit elongated in a direction parallel to its axis and tapered so that it is considerably thicker at one edge than the other, and integrally cast spaced vanes thereon positioned radially.

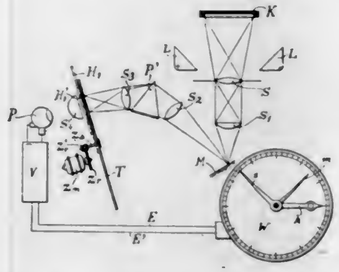
2,078,767
VEHICLE TOY
Louis Marx, New York, N. Y.
Application March 13, 1936, Serial No. 68,626
12 Claims. (Cl. 46—2)



1. A vehicle toy comprising an upwardly dished open-bottomed sheet metal vehicle body including side walls, wheel-bearing axles extending transversely of said body at the forward and rear ends thereof, the wheels being located within and housed by the side walls of the vehicle body and the ends of the axles outside the wheels passing through and being supported by the side walls of the vehicle body, and motor means for propelling said vehicle, said motor means comprising a hollow cylindrical drum loosely received on the rear axle between the rear wheels, ratchet means on the inner side of one of the wheels and on the adjacent end of the drum, and a spring wire helically wound about said drum and having one end connected to said drum and the other end extending rearwardly from the drum and connected to the rear end of the vehicle body.

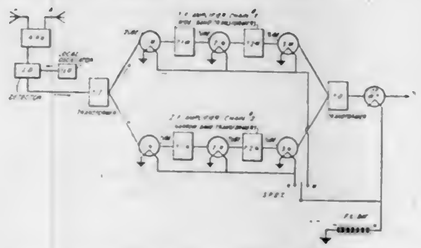
2,078,768
METHOD OF AND APPARATUS FOR MEASURING THE ENERGY OF RAYS
Karl Heinrich Meier, Zurich, Switzerland, assignor to Emil Huber, Zurich, Switzerland
Application March 17, 1934, Serial No. 716,100
In Switzerland March 31, 1933
14 Claims. (Cl. 88—14)

1. The method of measuring, by a radiation sensitive device, the effect of radiant energy upon a body of predetermined relative sensitivities to different wave lengths of the spectrum, which comprises the following steps: projecting radiation from a source upon said body, directing the radiation away from said body upon a dispersion device and dispersing it into a spectrum, projecting the individual parts of the spectrum, for predetermined periods of operation, in turn and in quick succession upon a radiation sensitive device so as to produce in the latter currents proportional to the values of the individual amounts



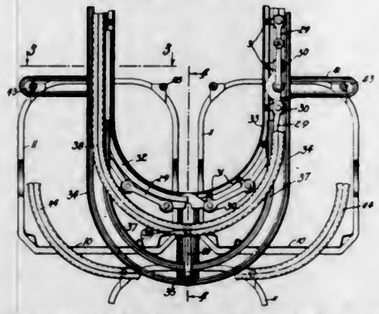
of radiant energy applied to it, the predetermined periods of operation of the individual wave lengths of the spectrum on the radiation sensitive device being proportional to the said predetermined relative sensitivities of the said body to different wave lengths, so that the sum of the partial intensities of the radiation upon the said sensitive device, which corresponds directly to the effect produced by them upon said body, may be measured, and summing up the partial currents.

2,078,769
SELECTIVE RECEIVING SYSTEM
John B. Moore, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 8, 1933, Serial No. 701,435
5 Claims. (Cl. 250—20)



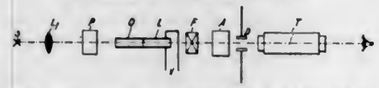
1. In a receiving system, an antenna, means to heterodyne energies collected by the antenna to a band of intermediate frequencies, a single output circuit, a pair of vacuum tube filters each having inductive and capacitive reactances therein and each adapted to pass a common intermediate frequency but having different frequency pass bands, means simultaneously connecting the reactances of said tube filters in circuit between said heterodyning means and said output circuit, and means for selectively energizing the cathodes of the tubes of said filters whereby intermediate frequency energies are transferred through only one of said tube filters to said output circuit at a time.

2,078,770
PARKING TOWER
James E. Morton, Dallas, Tex., assignor of one-fourth to Mechanical Parking Patents, Inc., Chicago, Ill., a corporation of Illinois
Application August 12, 1933, Serial No. 684,780
Renewed September 22, 1936
9 Claims. (Cl. 214—16.1)



1. The combination with a vertically disposed elevator including a plurality of platforms, a shaft forming a suspension for each platform, said shafts being rigidly connected to and movable with said platforms, endless chains for propelling said platform suspension shafts, stationary guiding means for said chains, and power-driven means for imparting movement to said chains, of means for stabilizing said platforms during their travel in a circuitous path comprising an arm rigidly connected to each of said platform suspension shafts, and stationary circuitous means separate from said chain guiding means for guiding said arms.

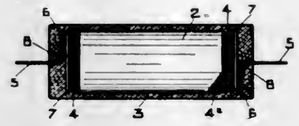
2,078,771
VOLTAGE MEASURING APPARATUS
Leonard Morris Myers, Middlesborough, England, assignor to Radio Corporation of America, a corporation of Delaware
Application April 25, 1935, Serial No. 18,268
In Great Britain May 28, 1934
9 Claims. (Cl. 171—95)



8. The method of measuring potentials comprising the steps of producing a beam of polarized light, directing said beam through a plurality of double refracting bodies of opposite rotation, producing a black band on the white field of the emergent light, supplying the potential to be measured to the opposite faces of one of the double refracting bodies, and deflecting said black band in proportion to the applied potential.

2,078,772
ELECTROLYTIC CONDENSER AND METHOD OF MAKING THE SAME
Arthur Trapp Pitt, Putney, London, England, assignor to Dubilier Condenser Corporation, New York, N. Y., a corporation of Delaware
Application June 28, 1933, Serial No. 677,999
In Great Britain March 1, 1933
28 Claims. (Cl. 175—315)

1. An electrolytic condenser comprising a rolled condenser body and an electrolytic material impregnating the body, said impregnating material itself maintaining the plies of the rolled body in proper relationship and completely enveloping the body and having sufficient rigidity to comprise a protective outer closure therefor.

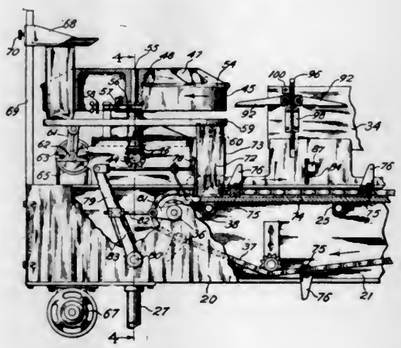


23. A liquid and viscous electrolyte for an electrolytic condenser, which on cooling sets solid and rock hard, said electrolyte comprising the product of the mixture of boric acid, glycerine and another substance selected from the class of organic compounds consisting of urea and aniline.

2,078,773
METHOD OF RECLAIMING SPENT "DOCTOR" SOLUTION
Evert T. Pummill, Augusta, Kans., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 5, 1935, Serial No. 43,719
3 Claims. (Cl. 23—51)

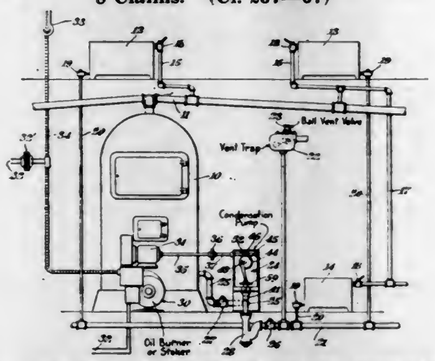
1. The process of regenerating spent doctor solution containing lead sulphide in suspension which comprises the steps of adding to the doctor solution a substance selected from the group consisting of the hydroxides of calcium and magnesium, contacting the solution with air at elevated temperature, and removing the resulting compounds of the alkaline hydroxide from the doctor solution.

2,078,774
APPARATUS FOR SETTLING AND SEALING MATERIAL IN PACKAGES
Charles L. Ragot, Easton, Pa., assignor to Samuel R. Burns, Newark, N. J.
Application December 30, 1933, Serial No. 704,733
19 Claims. (Cl. 93—6)



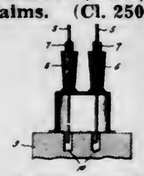
1. In a bag packaging machine which settles the material in the bags, and tucks and folds and seals the bags, a vibrating table, means for moving bags thereover, and means for squaring and shaping said bags during the settling of the material in said bags and during the movement of the bags over said table and preparatory to closing and sealing same.

2,078,775
CONTROL OF HEATING SYSTEMS
Karl W. Rohlin, Merchantville, N. J., assignor to Warren Webster & Company, Camden, N. J., a corporation of New Jersey
Application April 22, 1936, Serial No. 75,681
8 Claims. (Cl. 237—67)



1. The method of controlling the generation and supplying of steam from a boiler to a heating system, and returning the condensate from the system to the boiler, which comprises firing the boiler during spaced intervals of time, thermostatically controlling the proportion of elapsed time occupied by such intervals, and forcing substantially all of the condensate returned from the radiating system into the boiler during said intervals of firing.

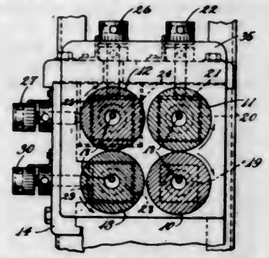
2,078,776
GLASS-TO-METAL SEAL
William A. Ruggles, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 1, 1934, Serial No. 742,411
4 Claims. (Cl. 250—27.5)



1. In the art of fabricating an all-metal tube containing an electrode and having a leading-in conductor for the electrode passing through the envelope of the tube, the method which consists in threading the conductor through a piece of glass, then heating the glass to cause it to contract about the conductor, then placing the combined conductor and glass in a vertical position within a hollow metal member which constitutes part of said envelope, finally heating said member to cause the glass to melt and to settle by gravitation only, to form a seal between the conductor, glass and metal members whereby the conductor is insulatingly sealed in said envelope.

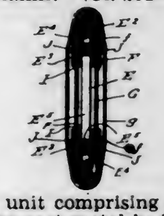
2,078,777
METHOD AND APPARATUS FOR PROCESSING RUBBER
James W. Schade, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 11, 1935, Serial No. 44,630
9 Claims. (Cl. 18—2)

1. The method of processing rubber which comprises subjecting a mass of the rubber to intensive mechanical kneading in a confined space, simultaneously extruding two continuous sheets of



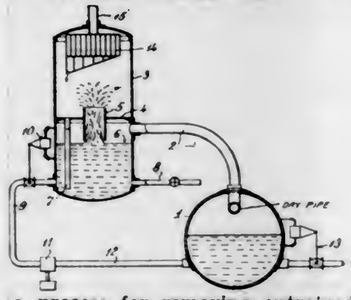
rubber from said confined space and continuously returning the extruded sheets to the mass within the confined space.

2,078,778
ELECTRICAL RESISTOR UNIT
James A. Shepard, deceased, late of Montour, N. Y., by Frances H. Shepard, executrix, Montour, N. Y., assignor to Shepard Niles Crane & Hoist Corporation, Montour Falls, N. Y., a corporation of New York
Application September 27, 1934, Serial No. 745,719
7 Claims. (Cl. 201—63)



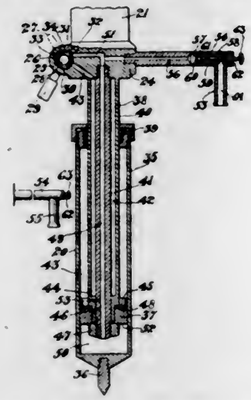
2. A resistor unit comprising a flat rigid supporting grid-like cast metal body, an inner flattened resistor wire helix surrounding said body, an outer flattened resistor wire helix surrounding said body and having larger turns than the first mentioned helix, each helix having adjacent turns laterally displaced from one another, insulating material interposed between the two helices and spacing apart the turns thereof and comprising a layer of relatively dense insulating material impervious to moisture, and a layer of less dense material pervious to moisture and indented by the turns of the outer helix.

2,078,779
METHOD OF CLEANING STEAM
William T. Sherman, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application June 23, 1934, Serial No. 732,078
5 Claims. (Cl. 122—459)



1. In a process for removing entrained impurities from steam, the steps which comprise liberating steam within a steam generator, removing the steam from the region in which it was liberated at a temperature substantially that of saturation, maintaining a body of water of relatively low content of dissolved solids, intimately contacting the steam with water from the said body, thereafter separating the water from the steam and returning the water to the body, feeding water to said body, withdrawing water therefrom, and proportioning the amount and temperature of the feed water to cause a sufficient condensation of steam within the area of contacting to maintain the dissolved solid content of the said body of water below a predetermined maximum, which is lower than that of the feed water.

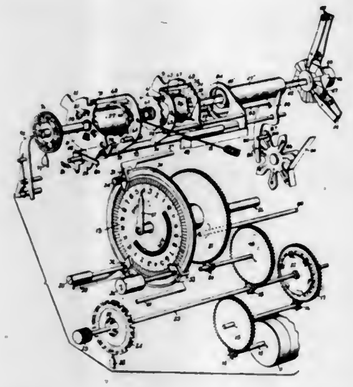
2,078,780
FEEDING DEVICE
Fred M. Slater, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application April 3, 1936, Serial No. 72,462
3 Claims. (Cl. 121—9)



1. A feeding device for rock drills, comprising a feeding cylinder, a piston in the feeding cylinder having opposed differential pressure surfaces, a rod on the piston connected to the rock drill, differential pressure chambers in the cylinder, a passage in the rod to supply pressure fluid to the smaller pressure chamber, a valve to control the passage, and a restricted passage in the rod affording constant communication between the pressure chambers.

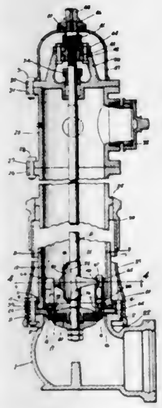
2,078,781
TIME SWITCH
George W. Sprenger, Lynn, and Francis W. Truesdell, Saugus, Mass., assignors to General Electric Company, a corporation of New York
Application February 5, 1936, Serial No. 62,446
12 Claims. (Cl. 200—38)

2. In a cam operated switch, a pair of relatively movable contact blades, a second pair of relatively movable contact blades, rotary cam means in operative relation with said blades, said cam means having alternately bulging and receding portions for changing the setting of said contact blades from closed to open and vice versa, and means for rotating said cam either a step or a half step at a time, each half step representing one-half the angular distance between adjacent bulging and receding portions of said cam means, said pairs of blades being angularly spaced a whole number of steps less a fraction, whereby rotation of said cam means a whole step changes



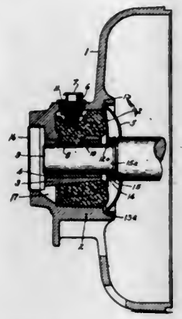
the setting of both pairs of contact blades, but rotation of said cam a half step changes the setting of only one pair of contact blades.

2,078,782
HYDRANT
Leonidas P. Storey, St. Paul, Minn., assignor to South Park Hydrant & Pump Co., South St. Paul, Minn., a corporation of Minnesota
Application May 11, 1933, Serial No. 670,477
12 Claims. (Cl. 137—13)



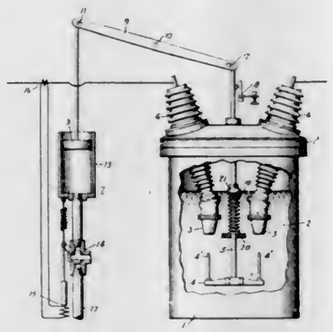
1. A hydrant including a base, a ring detachably secured to the base, a valve mechanism supported by the ring, including a valve seat annulus having threaded engagement with the interior of the ring, said ring having a downwardly inwardly convergent conical upper packing surface in sealing engagement with a corresponding packing surface of the annulus, said ring having a drain passage leading from its conical surface outwardly beyond the hydrant wall, and said annulus having a passage communicating with the drain passage at the conical surfaces to establish a drain connection between the inside and the outside of the hydrant.

2,078,783
BEARING HOUSING
Alfred F. Welch, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application August 5, 1933, Serial No. 683,765
9 Claims. (Cl. 308—132)



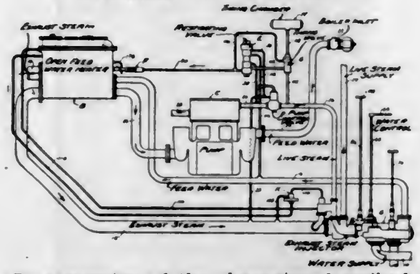
4. In combination with a shaft, a bearing housing comprising a bearing and a wall extending outwardly from said bearing, a transverse resilient plate axially spaced from said bearing and frictionally supported by said wall on opposite sides of said bearing and having an opening to receive said shaft, and means formed on said shaft and arranged to cooperate with said resilient plate for cushioning axial movement of said shaft.

2,078,784
ELECTRIC CIRCUIT BREAKER
Raoul Willheim, Berlin-Oberschoneweide, Germany, assignor to General Electric Company, a corporation of New York
Application November 19, 1936, Serial No. 111,733
In Germany April 30, 1936
5 Claims. (Cl. 200—82)



1. An electric circuit breaker comprising relatively movable contact structure, actuating means for effecting circuit opening movement of said contact structure, means holding said contact structure in open circuit position when the opening operation is fully completed, and means biasing said contact structure towards closed circuit position, said means being effective to reclose said contact structure in the event of failure of said actuating means resulting in incomplete or inadequate opening movement.

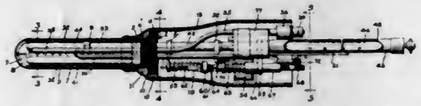
2,078,785
FEED WATER HEATING SYSTEM FOR BOILERS
Arthur Williams, Munster, Ind., and Erich Henkel, Calumet City, Ill., assignors to The Superheater Company, New York, N. Y.
Application June 2, 1934, Serial No. 728,754
24 Claims. (Cl. 261—34)



4. In apparatus of the character described, in combination, an open feed water heater, means for supplying water to said heater, means for supplying exhaust steam from an engine to said heater, a pump for forcing hot water from the heater to a boiler and means automatically responsive to racing of said pump and lowering the temperature of the water supplied to the pump to re-establish normal operation thereof.

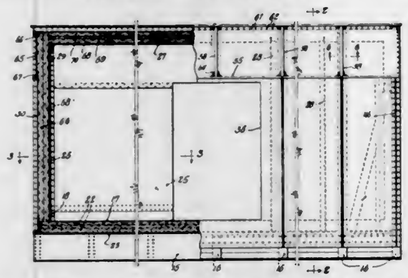
18. A feed water heating system for boilers comprising an open feed water heater, a water forcing device for supplying water to the heater, a pump for forcing water from the heater to a boiler, manually controllable means for controlling the rate at which said system delivers heated feed water to the boiler comprising means for controlling the rate at which water is supplied to the heater by said device, and means operable in response to a regulating impulse variable with variations in the value of the momentary rate of flow from said device to substantially synchronize the rate of operation of said pump in accordance with the rate of operation of said device.

2,078,786
APPLICATOR AND CONTROL MEANS THEREFOR
Glen Mason Wood, Minneapolis, Minn.
Application December 17, 1934, Serial No. 757,907
6 Claims. (Cl. 128—401)



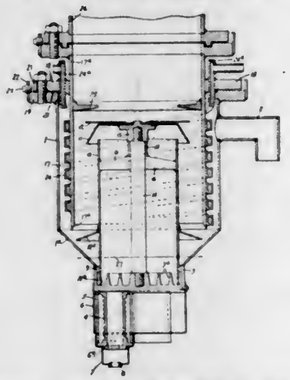
1. An applicator comprising, an expandible elastic container adapted to contact and smooth out the tissue of a body orifice when inserted therein and expanded, means within the container and to which said container is attached and through which liquid can be forced to expand said elastic container, electrically operable means surrounded by the container for heating said liquid including a circuit having a switch, thermostatic means responsive to the temperature of fluid in the expandible container, to automatically open said switch when the liquid reaches a predetermined temperature, a thermometer in part within the container and responsive to the temperature of the liquid therein and having a scale visible to the operator while the applicator is in use, means by which displacement of air is permitted from the expandible container during filling thereof, means for adjusting the thermostatic means to vary the opening temperature of the switch.

2,078,787
CAR CONSTRUCTION
James Dalziel Baker, Chicago, Ill., assignor to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware
Application April 1, 1933, Serial No. 663,884
3 Claims. (Cl. 105—409)



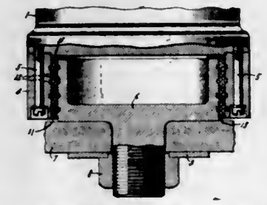
1. In a car body, the combination of an inner metallic shell, an outer metallic shell separately supported and spaced from said inner shell at its sides and roof portions and removable from the exterior of the car body, and layers of insulating material disposed in the space between said shells and extending from side to side over said roof portion and uninterruptedly throughout the length thereof.

2,078,788
DIFFUSION VACUUM PUMP
Frank Edmund Bancroft, Withington, Manchester, England, assignor to Metropolitan-Vickers Electrical Company, Limited, a company of Great Britain
Application November 5, 1935, Serial No. 48,405
In Great Britain November 9, 1934
3 Claims. (Cl. 230—101)



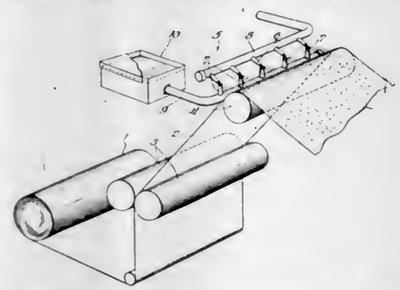
1. A single jet diffusion pump comprising a substantially cylindrical outer casing having an outlet for pumped gases adjacent the top thereof, said casing being inwardly tapered at the bottom to join with a circular heating member of substantially less diameter than said casing, a vapor uptake tube comprising a metal cylinder of substantially the same diameter as said member and projecting upwardly therefrom, a working fluid injection orifice adjacent the top of said tube, a cylindrical condenser unit projecting downwardly into the annular space between said outer casing and said uptake tube, an inlet at the top of said pump assembly for admitting pumped gases downwardly within said condenser unit, an external flange projecting laterally from said condenser unit for supporting the same, and demountable means hermetically sealing said flange to the upper portion of said casing.

2,078,789
SPINNING SPINDLE
Sven R. Bergman, Nahant, Mass., assignor to General Electric Company, a corporation of New York
Application December 8, 1933, Serial No. 701,478
4 Claims. (Cl. 248—26)



1. A mounting for an electric motor having a vertical spindle shaft extending therefrom comprising a ring concentric with the axis of the shaft secured to the base of the motor and cooperating therewith to form a cup-shaped enclosure, a supporting member concentric with the axis of the shaft and extending within said ring, said ring and said supporting member having opposed walls extending along the axis of the shaft, resilient material arranged within said cup-shaped enclosure and secured between said opposed walls, and means for fastening said supporting member to a spinning frame or the like.

2,078,790
OFFSET PROCESS
Edmond H. Bucy, Waukegan, Ill., assignor, by mesne assignments, to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application December 24, 1931, Serial No. 582,919
10 Claims. (Cl. 101—420)



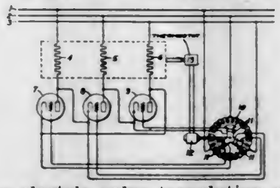
3. The method of preventing offsetting of printed sheets which consists of forming a plurality of minute disconnected particles upon the surface of the sheets by spraying them with a solution of a cellulosic material dissolved in a volatile solvent, the solvent substantially entirely evaporating in the time of travel of the spray to the sheets, and the cellulosic material reaching the sheets in a tacky and adhesive condition.

2,078,791

ELECTRIC VALVE TRANSLATING CIRCUIT

Helmut Cypra, Berlin-Hermsdorf, Germany, assignor to General Electric Company, a corporation of New York

Application January 16, 1935, Serial No. 2,122
In Germany January 19, 1934
5 Claims. (Cl. 171—119)



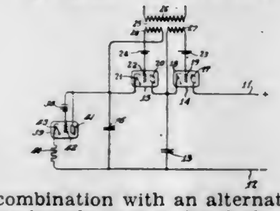
1. In an electric valve translating system, the combination of a source of alternating current of n phases, n load devices each connected at one end to a different phase, a plurality of electric valves containing an ionizable medium, and means for controlling the conductivity of said valves, said valves inter-connecting said load devices to provide n control electric discharge paths between said devices so that the conductivity of any one of said valves will cause current to flow through two of said devices.

2,078,792

ELECTRIC TIMING AND COUNTING DEVICE

Alan S. Fitz Gerald, Wynnewood, Pa., assignor to General Electric Company, a corporation of New York

Original application March 9, 1932, Serial No. 597,855. Divided and this application July 11, 1933, Serial No. 679,893
4 Claims. (Cl. 175—363)



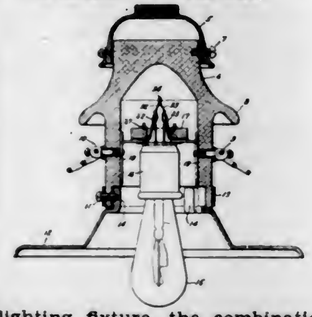
1. In combination with an alternating current circuit, an impulse responsive device comprising a source of current, a charge transferring condenser, and a grid controlled discharge tube connected in series, a second grid controlled discharge tube included in a circuit shunting said charge transferring condenser, a charge collecting condenser in circuit with said charge transferring condenser and charged in accordance with the charge of said charge transferring condenser, means for discharging said charge collecting condenser when it attains a given potential, an inverter of the grid controlled discharge tube type arranged to generate alternating currents at a frequency controlled by the rate at which said charge collecting condenser is charged and discharged, a transformer connected to said alternating current circuit having secondary windings arranged to modify in response to the reversals of polarity of said alternating current circuit the grid potentials of said discharge tubes alternately for the purpose of causing said tubes alternately to become conducting thereby alternately charging and discharging said charge transferring condenser and progressively charging said charge collecting condenser to successively higher potentials up to the discharge potential.

2,078,793

LIGHTING FIXTURE

Harold J. Flaherty, Saugus, Mass., assignor to General Electric Company, a corporation of New York

Application January 9, 1936, Serial No. 58,297
1 Claim. (Cl. 240—25)



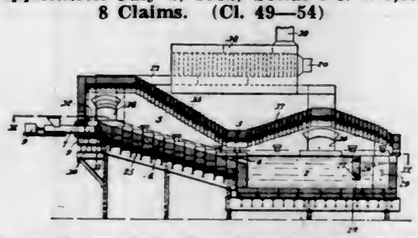
In a lighting fixture, the combination of a porcelain casing having walls spaced from each other a distance which may vary from a predetermined dimension, a pair of resilient contacts and means for supporting these contacts in a predetermined spaced relation with respect to each other comprising a pair of metal brackets having vertical arms parallel to the inner walls of said casing and horizontal arms projecting towards the center of said casing, means for fastening said vertical arms to said casing comprising terminal members projecting through said walls, slots in the ends of said horizontal arms, a rigid insulating member provided with spaced holes at predetermined distances from each other, holes in the ends of said contacts arranged to register with the holes in said insulating member, a plate member above said insulating member provided with threaded holes registering with the holes in said insulating member, a second plate under each of said horizontal arms provided with holes registering with said slots and screws arranged to project through the said holes in said lower plates, said contacts, said insulating member and the slots in said horizontal arms into the threaded holes of said plate member, whereby the contacts are spaced and held in a predetermined relation with respect to said insulating member and to each other and are simultaneously clamped to said horizontal arms substantially centrally within said insulator casing.

2,078,794

METHOD AND APPARATUS FOR MELTING

Samuel A. Forter, Bellevue, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application July 2, 1932, Serial No. 620,651
8 Claims. (Cl. 49—54)



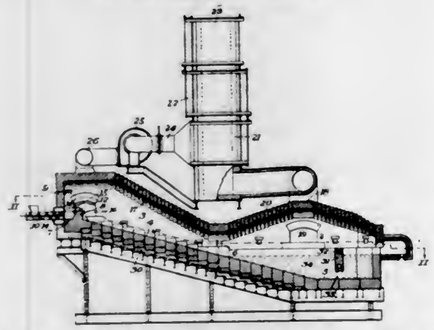
1. In the method of making molten material, the steps comprising supplying constituent material to a furnace in substantially the zone of highest temperature therein, and causing it to flow from said zone over a downwardly inclined supporting surface while subjecting it to a melting temperature below that in said zone and while maintaining it in thin and spread-out condition into a working zone, the material being contained within the furnace while melting is brought about.

2,078,795

METHOD AND APPARATUS FOR MELTING

Samuel A. Forter, Bellevue, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application September 6, 1932, Serial No. 631,818
Renewed October 13, 1936
13 Claims. (Cl. 49—54)



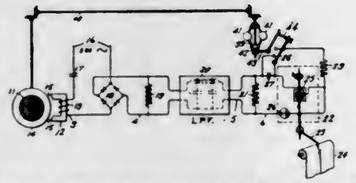
3. In a glass melting apparatus, a furnace comprising a working zone effective for containing a body of molten glass in molten condition, and a melting zone for supplying glass thereto, said melting zone comprising an inclined hearth extending down to the glass level of the working zone and said working zone having an inclined glass flow surface for receiving the molten material from the hearth and extending from the hearth in substantially the plane thereof to intersect the bottom of the working zone, there being a restricted throat intermediate said zone.

2,078,796

VIBRATION METER

Charles D. Greentree and Milton S. Mead, Jr., Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application November 1, 1934, Serial No. 751,000
18 Claims. (Cl. 177—351)



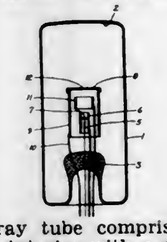
1. A combined eccentricity and shift indicator for rotating shafts comprising in combination, a laminated magnetic ring mounted around a shaft with which the indicator is to be used, a stationary laminated magnetic core having pole portions toward the periphery of said ring leaving air gaps therebetween varying with the transverse motion of the shaft, an electrical winding on said core, a condenser, a source of alternating current supplying said winding and said condenser in series, a rectifier having input terminals interposed in said circuit and having output terminals, a resistor connected between the output terminals of said rectifier, a second resistor, a low-pass filter connecting said resistors in parallel, an instrument responsive to alternating and direct currents connected across said second resistor, and a condenser connectible in series with said instrument.

2,078,797

ELECTRON TUBE

Friedrich W. Hehlgans, Berlin-Hermsdorf, Germany, assignor to General Electric Company, a corporation of New York

Application April 10, 1933, Serial No. 665,416
In Germany April 30, 1932
1 Claim. (Cl. 250—27.5)



A cathode-ray tube comprising an envelope coated on the interior with a fluorescent material and containing an indirectly heated cathode, an anode and an electron-focusing member, said anode constituting a metallic cylinder closed at the end nearer said coating except for an electron discharge opening and surrounding the cathode and the focusing member throughout their entire lengths.

2,078,798

FLY CASTING FISHING LURE

Le Roy C. Hoefer, Minneapolis, Minn.

Application August 31, 1936, Serial No. 98,658
4 Claims. (Cl. 43—48)



1. A fishing lure comprising a hook and a pair of wings attached at their forward ends to the shank of said hook and at substantially opposite sides of said shank, and diverging from their attached portions to their free extremities, said wings being constructed from a plurality of small feathers having resilient feather shafts, the feathers of each wing being laid one over the other with the feather shafts extending similarly, the rear ends of said wings being spaced some distance apart and being also spaced from said hook, whereby when said lure is drawn through the water said wings will vibrate.

2,078,799

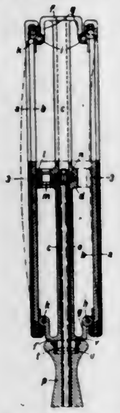
RAZOR STROP

Karl Hummel, Jr., Karlsruhe, Baden, Germany

Application March 4, 1936, Serial No. 67,040
In Germany November 3, 1934
2 Claims. (Cl. 51—198)

1. In a razor-strop the combination of a rotatable handle, a tube provided with plates at

both ends, said plates lying at right angles to said tube, two flexible strips hinged at each end to one of said plates, two straps of leather or the like lying on the outer side of said flexible strips, means for simultaneously giving said two flexible strips and said two straps either a plane or a concave or a convex shape according to



requirement, said means comprising a spindle rotatably mounted in said tube and connected to said handle, a pinion fixed on said spindle and two racks connected each to one of said flexible strips and engaging each from one side into said pinion, and means for securing said spindle against rotation.

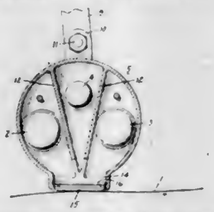
2,078,800

PAPER BREAK DETECTOR

Pieter Juchter, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application December 3, 1936, Serial No. 114,006

3 Claims. (Cl. 192—127)



1. In combination, means for moving a paper strip, a photoelectric device arranged to receive light controlled by said strip, means responsive to said device for controlling said moving means and an enclosing casing for said device having a window arranged to be rubbed by said strip.

2,078,801

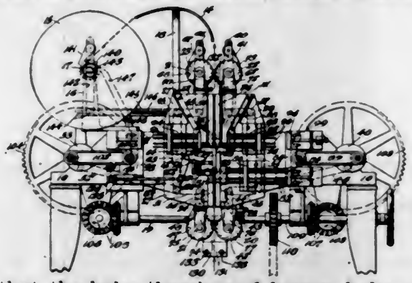
INSERT MECHANISM

Robert B. Lewis, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 17, 1934, Serial No. 711,815

13 Claims. (Cl. 18—1)

1. In a machine of the character stated, a hopper for an insert substance having a substance delivery hole therein, a plunger arranged to traverse said hopper to expel substance by way of said hole, a second hopper for an insert substance juxtaposed with respect to said first hopper and having a substance delivery hole therein, a plunger arranged to traverse said second hopper to expel substance through the hole therein, means to position a perforated strip of material



so that the holes therein and hopper holes register, and means for actuating said plungers to plug said holes with substance from said hoppers.

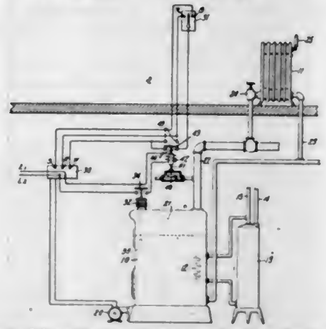
2,078,802

HEATING CONTROL

Walter O. Lum, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 14, 1934, Serial No. 735,128

7 Claims. (Cl. 237—9)



4. In combination, a heating boiler for operating under vacuum, means responsive to the temperature of the boiler fluid and valve means controlled by said temperature responsive means for venting air into the boiler when the boiler fluid temperature falls below a predetermined value.

2,078,803

ELECTRIC CIRCUIT BREAKER

Otto Mayr, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York

Application June 16, 1936, Serial No. 85,568

In Germany July 15, 1935

5 Claims. (Cl. 200—148)

5. An electric circuit breaker of the gas-blast type comprising a casing, relatively movable contacts co-acting within said casing and means for admitting gas under pressure to one end of said casing for exhausting at the other end of said casing, said fixed contact structure including a baffle disposed transversely of said casing provided with a central passage, a plurality of contact segments disposed circumferentially about and extending radially with respect to said passage so as to form with said passage a nozzle-like exhaust opening through said baffle, a terminal disposed at the exhaust end of said casing, a contact carrier connected to said terminal and extending to said baffle, and resilient positioning means for biasing each pair of segments into contact en-



gagement with said movable rod contact in the closed circuit position and into clamping engagement with said conducting means.

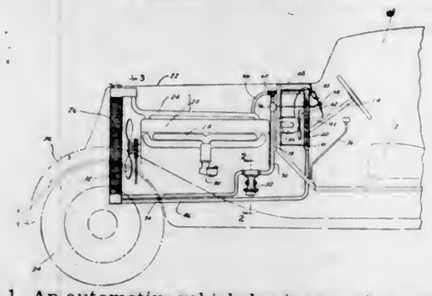
2,078,804

COOLING MECHANISM

Montgomery W. McConkey, Chicago, Ill.

Application December 14, 1933, Serial No. 702,340

17 Claims. (Cl. 257—7)



1. An automotive vehicle having a water-cooled engine provided with a water-circulating system including a radiator for cooling the water therein, another radiator in said vehicle supplied with water from the engine cooling system, and engine-operated means for establishing a reduced pressure in said other radiator to evaporate part of the water therein and thereby to reduce the temperature of the remaining water, and to deliver the vapor formed by the evaporated water to the first radiator to be condensed therein.

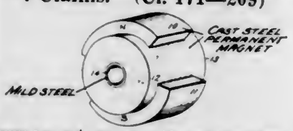
2,078,805

PERMANENT MAGNET DYNAMO-ELECTRIC MACHINE

Frank W. Merrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application February 7, 1935, Serial No. 5,420

7 Claims. (Cl. 171—209)



1. A permanent magnetic rotor for dynamo-electric machines having a salient pole permanent magnet symmetrically cast-welded about a tube of machinable metal substantially concentric with the axis of rotation of such rotor.

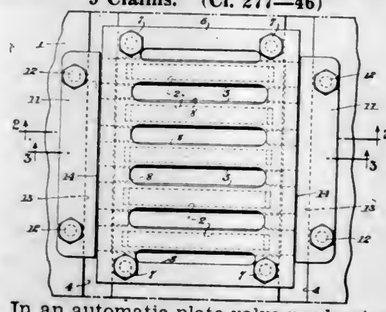
2,078,806

AUTOMATIC PLATE VALVE

Leonard Ochtman, Jr., Bradford, Pa., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa., a corporation of Pennsylvania

Application September 28, 1934, Serial No. 745,837

9 Claims. (Cl. 277—46)



1. In an automatic plate valve mechanism, the combination of a seat member having a flat finished upper face, and provided with passages therethrough, a separate valve seat portion superimposed upon the upper face of said seat member and provided with a valve engaging seating surface above the level of the upper face of the seat member providing spaces below the valve seat face to accommodate the vertical movement of the ends of the plate valve, and having passages registering with the passages in said seat member, a plurality of flexible plate valve members for controlling said passages, said valves having opposite end portions projecting beyond the opposite edges of said seating surface, a keeper rigidly secured with respect to said seat member, and provided with outlet passages, independent keeper bars located at opposite sides of said keeper, rigidly but detachably secured independently of the keeper with respect to the seat member, and each having its inner face provided with vertically disposed recesses, to receive the projecting ends of said valve members, respectively, and hold said valve members against lateral and longitudinal displacement.

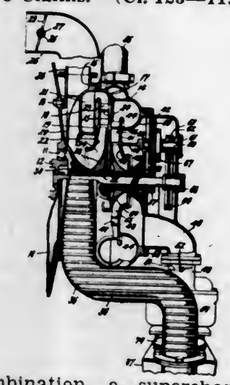
2,078,807

SUPERCHARGER FOR INTERNAL COMBUSTION ENGINES

Samuel R. Puffer, Saugus, Mass., assignor to General Electric Company, a corporation of New York

Application August 31, 1933, Serial No. 687,588

5 Claims. (Cl. 123—119)



2. In combination, a supercharger member having an inlet and an outlet, a valve in the

inlet, a carburetor having its inlet connected to said supercharger member outlet, a throttle valve for the carburetor, a valve means for supplying air directly to the carburetor, and control means for operating the inlet valve and the throttle valve arranged so that the inlet valve is opened after the throttle valve is at least partially open.

2,078,808
METALLIZING COMPOSITION
Joseph Vincent Reardon, St. Louis, and Paul L. Goodale, Pine Lawn, Mo., assignors to The Reardon Company, St. Louis, Mo., a corporation of Missouri
No Drawing. Application January 14, 1933, Serial No. 651,842
4 Claims. (Cl. 134—76)

1. A dry powdered base for a metallic coating composition smoothly miscible by stirring at ordinary temperature with an organic solvent such as naphtha, turpentine, alcohol or other ordinary paint solvent at the time of application, containing a fine metallic powder and a modified phenol formaldehyde condensate soluble in said solvent in the proportion of approximately one of powder by weight to two of condensate by weight capable of remaining in easily miscible condition on storage and capable on solution of producing a paint having suitable properties for application to steel and other structures.

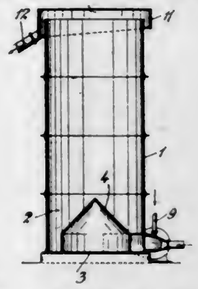
2,078,809
FIGURE TOY
Miriam Blum Richman, Cincinnati, Ohio
Application July 6, 1936, Serial No. 89,172
6 Claims. (Cl. 46—151)



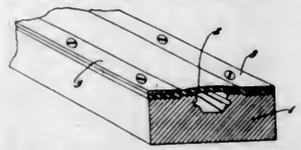
1. A multiple figure toy comprising a hollow member representing at least a portion of the body of an animal and provided with a plurality of openings, and a plurality of elements arranged within and selectively withdrawable from said hollow member through the respective openings of the latter to enhance said body of the animal, said elements differing in form or character so as to present, in connection with said hollow member, a plurality of figures or characters.

2,078,810
APPARATUS FOR CONTINUOUS TREATMENT OF WOOD PULP AND THE LIKE WITH CHEMICALS
Johan Cristoffer Fredrik Carl Richter, Oslo, and Karl Wilhelm Rosén, Svelvik, Norway, assignors to Aktiebolaget Kamyr, Oslo, Norway
Application February 20, 1935, Serial No. 7,454
In Norway January 12, 1934
5 Claims. (Cl. 8—2)

1. An apparatus for treating material with chemicals, comprising a tank, the bottom of which is formed by an upwardly open annular channel connected at two points with the suction and pressure side respectively of a circulation pump, the suction side whereof is also connected with a conduit for continuous supply of material to be treated as well as with a supply pipe for chemicals, such as chlorine gas or the like.



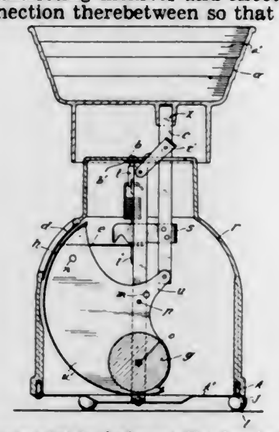
2,078,811
GUIDE RAIL FOR ROLLERS, WHEELS, AND THE LIKE
Ernest Edward Rouse, London, England, assignor to Silent Gliding Doors Limited, London, England, a company of Great Britain
Application August 6, 1936, Serial No. 94,667
In Great Britain March 6, 1935
10 Claims. (Cl. 238—6)



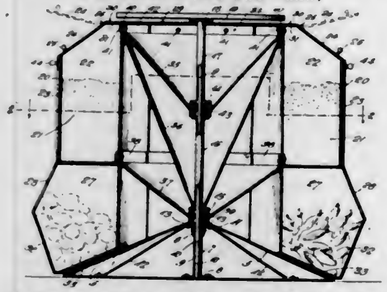
1. In a guideway construction, a member having a substantially flat surface, said member also having an elongated groove therein opening into said surface and defining a guideway for a roller or the like, and a resilient deformable element bridging said groove and secured in place so as to lie in surface engagement with said member adjacent the edges of said groove, said element normally lying substantially flush with said surface but being sufficiently flexible to be flexed into contact with the bottom of said groove in response to passage of said roller thereover along said groove.

2,078,812
WEIGHING SCALE
Ernst Rüdiger, Berlin, Germany
Application January 24, 1936, Serial No. 60,724
In Germany February 13, 1935
8 Claims. (Cl. 265—61)

4. A weighing apparatus including in combination, a casing structure, a parallel link motion contained in said casing and having a substantially vertical fixed lever, a movable lever and at least two pivotal links connecting said levers, one of said links being in the form of an arcuate plate, a load-receiving member supported by said movable lever, a weight attached to said arcuate plate to form a pendulum weight balance within limits determined by said weight, a spring balance anchored to said casing adjacent said link motion, at least one slotted connecting member projecting from said spring balance, at least one catch arm rigidly secured to said movable lever and arranged to project through said slotted connecting member and effect a lost motion connection therebetween so that said spring balance operates to balance the load placed upon said load-receiving member when said load exceeds a predetermined limit.



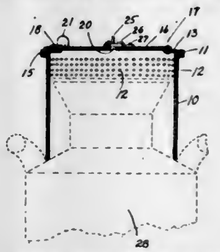
2,078,813
DISPLAY CABINET
Ippolito Pietro Sarullo and Jerome Dawson, Greenville, Miss., assignors, by direct and mesne assignments, of one-third to Frank M. Acree, Greenville, Miss., and two-thirds to said Sarullo
Application December 9, 1935, Serial No. 53,653
4 Claims. (Cl. 312—125)



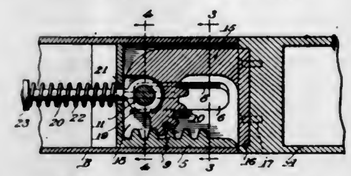
1. A device of the class described comprising a hollow substantially conical base, a standard rigidly secured to and extending through the base, a display cabinet mounted for rotation on the base and provided with upper and lower circumferential rows of food receiving compartments, the bottom walls of the lower compartments being perforated and inclined downwardly in spaced parallel relation to the adjacent inclined wall of the conical base, bearing members carried by the standard, a spacing sleeve surrounding the standard and interposed between adjacent bearings, and inverted conical shaped bracing members disposed one within the other and having their small ends secured to the bearings and their large ends provided with upstanding flanges engaging the adjacent walls of the cabinet.

2,078,814
MILK CAN COOLING CAP
William Schabacker and Harold H. Hippe, Janesville, and Henry J. Stofen, Madison, Wis.
Application December 26, 1935, Serial No. 56,281
4 Claims. (Cl. 220—33)

1. A device of the character described comprising a cylindrical housing having its side walls perforated at a point near the top, a top plate equipped with an opening, a cover pivotally mounted to said top plate and equipped with a longitudinal opening extending from its center to its outer edge, and an auxiliary latch provided with an annular slot, said latch pivotally mounted to said cover at a point outward from the center of said cover to provide a closing means for the longitudinal slot in said cover.

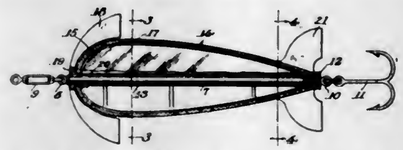


2,078,815
HINGE
Lee Segar, Troy, Pa.
Application April 23, 1935, Serial No. 17,886
1 Claim. (Cl. 16—180)



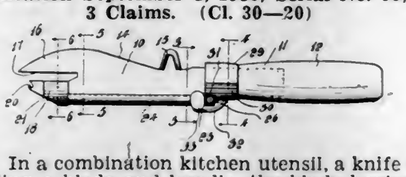
A hinge of the character described, comprising a stationary member having a recess, a movable member fitting said recess and concealed by said stationary member, a toothed rack formed on one wall of the recess, a segmental gear formed at one side of the movable member and meshing with the toothed rack, a guide pin fixed in the segmental gear and tracking the stationary member above and below the said movable member, the said stationary member having beveled elongated slots above and below the movable member, and beveled ends on the pin corresponding to the beveled slots and engaged in the latter.

2,078,816
FISHING LURE
Herman M. Shenitz, New York, N. Y.
Application December 11, 1935, Serial No. 53,966
6 Claims. (Cl. 43—47)



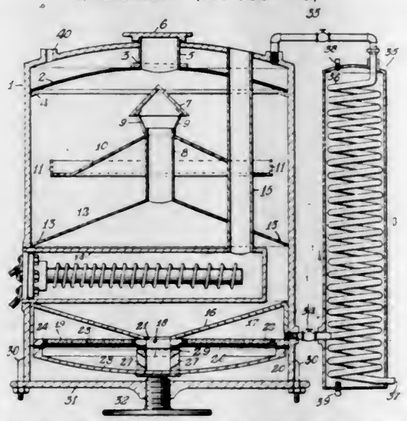
1. An artificial fishing lure comprising a rotatable spindle, a hollow transparent casing rotatably mounted on said spindle, said spindle passing thru said casing, a rotator outside said casing adapted to rotate said rotatable spindle, and a reflector within said casing and mounted on the rotatable spindle and adapted to be rotated by said rotator.

2,078,817
COMBINATION KITCHEN UTENSIL
Elmer E. Thrasher, Cumberland, Md.
Application September 3, 1936, Serial No. 99,322
3 Claims. (Cl. 30—20)



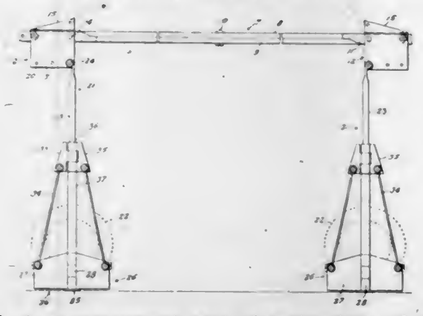
1. In a combination kitchen utensil, a knife including a blade and handle, the blade having a straight paring knife edge, a longitudinally extending guard bar adjustably mounted relative to the paring knife edge for regulating the thickness of a peeling or slice and to provide a guard for the cutting edge when the same is out of use, the mounting for the guard bar including bearing blocks, an eccentric pin projecting from each end of the bar journalled in the blocks, and rack and pinion mechanism for rotating the pins for swinging the guard bar toward and away from the cutting edge.

2,078,818
DEVICE FOR RECLAIMING USED CRANKCASE OILS
Clarence William Troxell, Milwaukee, Wis.
Application September 4, 1934, Serial No. 742,660
2 Claims. (Cl. 196—16)



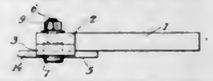
1. A device of the character described comprising a container provided with an inlet and outlet port, an oil reservoir disposed at the bottom of said container, said reservoir equipped with a vertical tubular overflow opening into said container, an annular clay receptacle suspended from said tubular overflow and equipped with a plurality of ports in its upstanding peripheral plate, a heating element enclosure suspended in said oil reservoir, temporary fragile sealing means for retaining the oil in said reservoir until broken by air pressure in the reservoir, a filtering chamber adjacent the bottom of said reservoir, filtering means separating said filtering chamber into two compartments allowing the oil to flow from the lower to the upper compartment when the sealing means is broken, a condenser coil leading from a vapor outlet in the container disposed for engagement with a cooling arrangement with means for allowing only the gases to pass to the condenser coil, and an inlet at the top of the container to allow pressure to be applied to the inside of the container thereby breaking the seal and permitting the oil to be forced downward from the oil reservoir through filtering means to the drain.

2,078,819
VEHICLE LIFTING APPARATUS
Pieter D. van Brummelen, Weehawken, N. J.
Application July 25, 1936, Serial No. 92,641
3 Claims. (Cl. 294—67)



1. As a component part of a structure of the class described, a suspension member comprising a rod, a pair of wheel gripping jaws hingedly connected to the lower end of the rod, latch means for holding the jaws in gripping relationship, a spacing sleeve surrounding the rod above the jaws, a pair of wing-like members hingedly connected to the rod above said spacing sleeve, and stay rods connected with the wing-like members and said jaws, as shown and described.

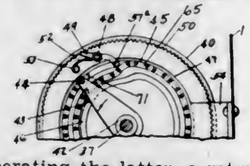
2,078,820
TOOL HOLDER
Albert Viehweger, Berlin, Germany, assignor to Komet Stahlhalter-und Werkzeugfabrik Robert Breuning, Berlin, Germany
Application June 30, 1936, Serial No. 88,205
In Germany April 24, 1936
1 Claim. (Cl. 29—99)



In an adjustable tool-holder for one type of tool, the combination with a holder member having a shank of substantially rectangular cross-section and a flat-faced head, a groove of substantially rectangular cross-section running parallel to the length direction of said shank provided on a side face of said head, of a flat faced detachable jaw having a rib corresponding to said groove and a lengthways running recess of a cross-section adapted to house said tool located on the side opposite that of said rib, a common securing bolt for said tool and said jaw with a head having a transverse aperture adapted to receive the tool, the holder-head having an elongated slot for the bolt and a counterbore for the bolt-head, the jaw having a bore fitting the bolt head, a nut for the free end of the bolt adapted to firmly hold tool, bolt and jaw together on said holder.

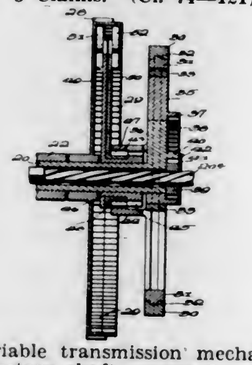
2,078,821
VARIABLE CONTROL MECHANISM
Charles Walker, Knoxville, Tenn.
Application August 24, 1935, Serial No. 37,738
7 Claims. (Cl. 74—125.5)

7. A variable control mechanism comprising a rotary shaft, means for driving said shaft, a disc keyed to said shaft and rotatable therewith, a transmission disc immediately adjacent said rotatable disc and freely rotatable on said shaft, a fixed circular plate co-axial with said discs, clutch means on said rotatable disc, interposed between said fixed plate and said transmission



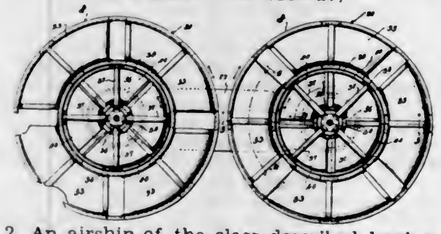
disc for operating the latter, a retractable band capable of completely encircling the periphery of said fixed plate, to control the engagement of said clutch means with said transmission disc, and means for selectively retracting said band to vary the extent of engagement of sail clutch means.

2,078,822
VARIABLE TRANSMISSION MECHANISM
Charles Walker, Knoxville, Tenn.
Application January 14, 1936, Serial No. 59,101
5 Claims. (Cl. 74—121)



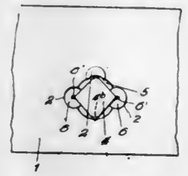
1. A variable transmission mechanism comprising a rotary shaft, means for driving said shaft, a flanged transmission disc freely rotatable on said shaft, a series of teeth on the inner periphery of said flanged disc, a pinion freely mounted on said shaft, a radially extending arm carried by said pinion, a pawl member carried by said arm for engagement with said flange teeth, a slidable frame adjacent said disc, a rack carried by said frame in engagement with said pinion, eccentric means on said shaft for reciprocably sliding said frame and rack, and means for varying the extent of reciprocation of said frame and rack and in turn the rotation of said flanged disc.

2,078,823
TANDEM HELICOPTER
Charles E. Weaver, Watertown, N. Y.
Application July 25, 1935, Serial No. 33,130
10 Claims. (Cl. 244—17)



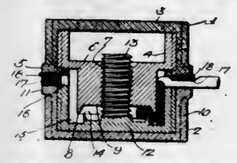
2. An airship of the class described having a gondola, vertical bearings adjacent opposite ends thereof, outer shafts journaled in said bearings, inner shafts journaled within said outer shafts, means operable to drive the inner and outer shafts in opposite directions, concentric inner and outer frames in the same plane carried by said inner and outer shafts, said outer frames extending one substantially to the other at the center of the airship and being rotatable in opposite directions, and foils carried by said frames.

2,078,824
FIXING MEANS FOR ELEMENTS OF PRISMATIC CONTOUR
Armin Wirth, Ebingen, Wurttemberg, Germany, assignor to August Sauter, Präcisions-Waagen- & Gewichte-Fabrik, Ebingen, Wurttemberg, Germany, a German firm
Application April 14, 1934, Serial No. 720,666
In Germany April 15, 1933
3 Claims. (Cl. 308—2)



1. In a fixing means for a prismatic object, a prismatic object, an element having a primary opening for receiving the prismatic object free from the walls of said opening and spaced auxiliary cylindrical openings communicating at their inner sides with said primary opening and forming enlargements thereof, and fixing pins having wedge-shaped surfaces, each fixing pin having a lengthwise portion of its body extending through an auxiliary opening and the remaining lengthwise portion of its body extending through the primary opening, said pins being in wedging engagement with the walls of the auxiliary openings and with said object, the object being only in contact with such pins whereby the object is fixed stationary to said element exclusively by the wedging action of the pins.

2,078,825
CONNECTER DEVICE
Josiah B. Wisner, Camden, N. J.
Application August 10, 1935, Serial No. 35,641
9 Claims. (Cl. 173—263)

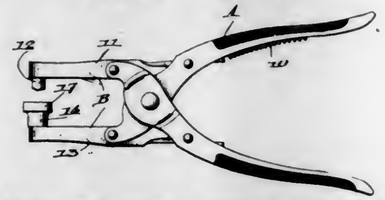


4. A device for electrically conducting two insulated electrical conductors, comprising a part having wall portions adapted to receive the ends of said conductors, a metallic member carried by said part having sharp edge portions in spaced cooperative relation with said wall portions, whereby a recess area is provided between each said edge portion and its associated wall portion, a second part attachable to said first part, and means on said second part for pressing said conductors against said edge portions and for forcing the conductors into said recess areas in wedging engagement with said wall portions.

2,078,826
WOOD PRESERVATIVE
Karl Wolman, Berlin-Grunewald, and Hans Pflug, Berlin-Wilmersdorf, Germany, assignors, by mesne assignments, to American Lumber & Treating Company, Chicago, Ill.
No Drawing. Application October 26, 1931, Serial No. 571,284. In Germany November 13, 1930
2 Claims. (Cl. 134—78.6)

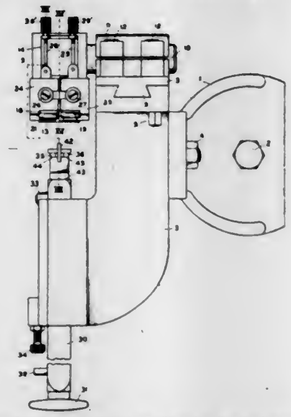
1. A preservative composition for wood consisting principally of a water-soluble sodium salt of hydrofluoric acid and a water-soluble salt of chromic acid in proportions providing from 5 to 10 atoms of fluorine for each atom of chromium in said salt of chromic acid available for reaction with said sodium salt of hydrofluoric acid.

2,078,827
MEANS FOR TAGGING ANIMALS AND PARTICULARLY POULTRY
Ward Ashton, Ottawa, Ontario, Canada, assignor to Henry G. Ketchum, Luzerne, N. Y.
Application October 4, 1935, Serial No. 43,630
In Canada April 17, 1935
2 Claims. (Cl. 128—331)



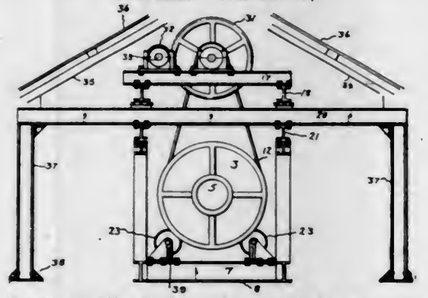
1. Means for tagging animals, comprising a tag having an orifice therein, said orifice being bordered by a plurality of projecting prongs punched from the tag and a plurality of projections punched in the tag spaced from said prongs, said prongs and projections co-operating to hold the tag firmly on a mounting when said prongs are clinched.

2,078,828
SPRING MACHINERY
Charles H. Baer and Herschel M. Connor, San Francisco, Calif., assignors to Connor Spring Manufacturing Co., San Francisco, Calif., a copartnership composed of Charles H. Baer and Herschel M. Connor
Application January 28, 1936, Serial No. 61,207
17 Claims. (Cl. 140—103)



1. A spring looping machine including a blade adapted to impale a spring and support it in position for looping; and loop bending means in cooperative relation to said blade.

2,078,829
MEANS FOR SUPPORTING AND DRIVING TUBULAR GRINDING MILLS
Frederick Reeves Barratt, Krugersdorp, Transvaal, Union of South Africa
Application March 22, 1934, Serial No. 716,868
In Union of South Africa November 11, 1933
1 Claim. (Cl. 83—9)



A wet grinding tube mill suitable for comminuting ores, comprising a rotatable barrel, a chassis constructed as a flat frame composed of several structural steel members having their under surfaces level with one another so as to form a plane under surface for the chassis and thereby providing a foundation for the mill structure, metal posts erected on the chassis, a framework supported by said posts, auxiliary means for supporting said framework, a shaft on the framework, means for driving the shaft, pulleys on the shaft, flexible members hung from the pulleys and suspending the barrel, and roller cradle members mounted on the chassis for contacting with the barrel, some of said posts at one side of the barrel being removably secured to the chassis and the framework, and the roller cradle elements on the same side being removably secured to the chassis, so that upon displacement of said removable elements the barrel may be removed and replaced laterally while the auxiliary frame supporting means functions in place of the removed posts.

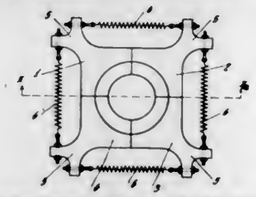
2,078,830
MANUFACTURE OF ABRASIVE ARTICLES
Raymond C. Benner, Niagara Falls, Osborne L. Mahlman, Kenmore, and Walter D. Rossow, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application December 6, 1934, Serial No. 756,329. In Canada June 20, 1932
11 Claims. (Cl. 51—280)

7. An abrasive article comprising abrasive grain and a heat hardened resin-containing bond modified by pulverized fused quartz.

2,078,831
PRODUCTION OF ABRASIVE MATERIAL
Raymond C. Benner and Romie L. Melton, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application December 30, 1935, Serial No. 56,704
6 Claims. (Cl. 51—278)

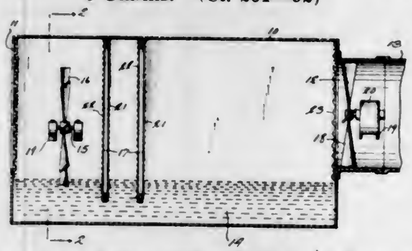
1. The method of making abrasive coated products which comprises coating a backing material with a liquid resin and applying abrasive grains and a catalyst for curing the resin to the resin coated side of the backing to cause the resin to solidify and attach the abrasive grains firmly to the backing.

2,078,832
PROCESS AND A DEVICE FOR MANUFACTURING BRIQUETTES BY COMPRESSION
Willem Bolk, Arnhem, Netherlands, assignor to Naamlooze Vennootschap-Maatschappij tot Exploitatie van "ten Bosch Octroolen N. V.", Arnhem, Netherlands, a corporation of the Netherlands
Application May 10, 1935, Serial No. 20,843
In Germany July 10, 1934
2 Claims. (Cl. 25—45)



1. A molding device of the character described comprising a plurality of members, means for yieldably securing the members together, whereby the members may become slightly spaced from one another when the pressure within the mold exceeds a certain predetermined value.

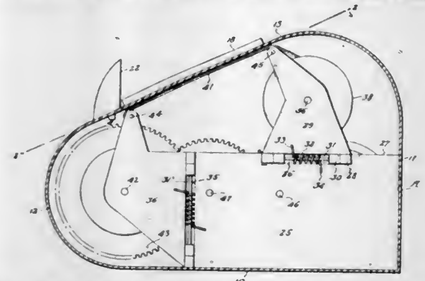
2,078,833
AIR CONDITIONER
Willis Bonner, Duncan, Okla.
Application February 8, 1936, Serial No. 62,999
6 Claims. (Cl. 261—92)



1. An air conditioner of the character described, comprising a casing, means for retaining water in the lower portion of the casing, the casing having an inlet opening at one end and a discharge opening at the other, a fan the blades of which dip into the water of the casing, the fan acting to throw water from the blade tips into the upper portion of the casing, a power operated fan located at the discharge opening of the casing, and a baffle of permeable material interposed between the fans and partitioning the casing from and above the surface of the water therein.

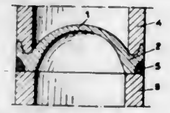
2,078,834
RADIO SCRIP CONTROL DEVICE
Edward Joseph Brennan, Springfield, Ill.
Application November 7, 1934, Serial No. 751,962
Renewed December 24, 1936
4 Claims. (Cl. 40—31)

1. A radio scrip control device comprising a casing including top, bottom and side walls, one of the latter of which is open, said top wall formed with a sight opening, a removable cover over the open side wall, a partition wall secured to the bottom wall adjacent the open side, a pair of yielding wings secured to the partition wall, a web feeding spool and a driving web spool journalled at one end in a fixed side wall and at



the other end journalled in the yielding wings one in each wing, a web connected with the feed and drive spools and extending therebetween so that the indicia on the web may be viewed from the top of the casing, a motor inside the casing, and a driving connection between the motor and the driving web roll.

2,078,835
RESILIENT WALL
Louis Charles Brisson, Neuilly-sur-Seine, France, assignor to Société Anonyme: Société des Freins Hydrauliques S. De Lavaud, Paris, France
Application February 11, 1936, Serial No. 63,457
In France May 3, 1935
3 Claims. (Cl. 137—157)



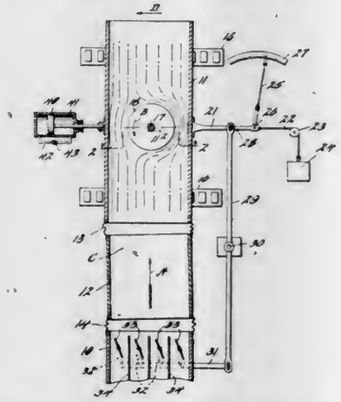
1. A flexible diaphragm subjected to important variations of temperature, comprising a rubber wall the thickness of which, at the periphery, is only a small fraction of the thickness of the remainder, and a peripheral packing firmly adhering to the peripheral portion of small thickness of the rubber wall, said packing being composed of a material very slightly expanding under the effect of the temperature.

2,078,836
SILICATES OF ALKALI METALS AND METHOD OF PRODUCING THEM
John D. Carter, Lansdowne, Pa., assignor to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application May 19, 1934, Serial No. 726,573
9 Claims. (Cl. 23—110)

2. The method of rendering more fluid an aqueous soluble alkali-metal silicate composition containing silica and alkali metal oxide in a molecular ratio of more than 3.55 to 1, which comprises adding to such solution a non-alkaline water soluble organic peptizing material selected from the group consisting of sucrose, milk sugar, maple sugar, levulose, glucose, xylose, maltose, and galactose.

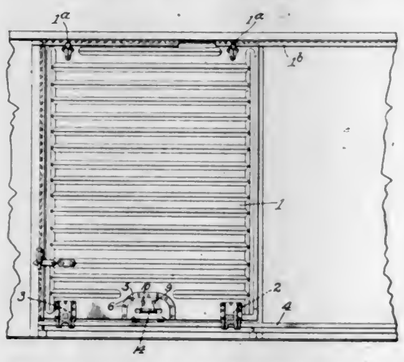
8. An alkali-metal silicate composition having a molecular ratio of silica to alkali-metal oxide of from approximately 3.55 to 1, to approximately 4.5 to 1, and containing in addition a member selected from the group consisting of sucrose, milk sugar, maple sugar, levulose, glucose, xylose, maltose and galactose, in amount sufficient to render the composition more fluid.

2,078,837
MECHANISM FOR UTILIZING THE ENERGY OF A CURRENT OF FLUID
Wilber A. Carter, Detroit, Mich.
Application June 27, 1935, Serial No. 28,733
9 Claims. (Cl. 170—159)



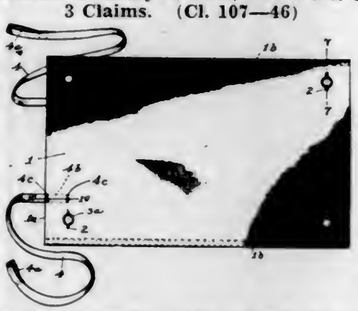
1. Mechanism of the type described comprising, in combination, a member having a shape suitable to produce the Magnus effect, a second member movably supported adjacent said first member and so positioned relatively to said first member as to be moved relatively to said first member by variations in fluid pressure brought about by operation of said first member, and means to operate said first member and to cause the same to produce the Magnus effect.

2,078,838
DOOR CONTROLLING DEVICE
George C. Christy, Chicago, Ill.
Application February 28, 1935, Serial No. 8,627
2 Claims. (Cl. 292—53)



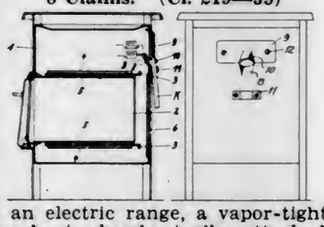
1. A door controlling device comprising a movable handle for moving the door to open and close it, a lifting mechanism with which said handle is associated connected with said door for lifting and supporting the door when pressure is applied to the door at a point separate from the handle when the handle is released, said handle having a controlling engagement with said lifting device, the movement of the handle, for the purpose of opening or closing the door, rendering said lifting mechanism inoperative, said handle being separate from said lifting mechanism.

2,078,839
DOUGH ROLLING APPLIANCE
Charles W. Conant and Lillian M. Thompson, Portland, Maine
Application January 9, 1936, Serial No. 58,332
3 Claims. (Cl. 107—46)



3. An appliance for rolling dough for cooking purposes, comprising a coarsely woven fabric sheet, vacuum-forming cups for attaching said sheet to a smooth supporting surface by a suctional grip thereof whereby it is held against displacement from said surface during the dough-rolling operation, a binding tape, having a loop on its free end, secured to said sheet, a secondary loop formed at the attaching end of said tape made by interrupting the stitching at the point of attaching said tape to said sheet, and means to secure said cups to said fabric sheet whereby they are disposed on the under side thereof.

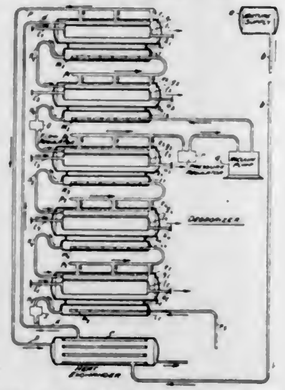
2,078,840
VAPORTIGHT EXTERIORLY HEATED ELECTRIC BAKING OVEN
Friedrich Wilhelm Oscar Dorl and Alfred Schnitzler, Karlsruhe in Baden, Germany, assignors to the Corporation of Junker & Ruh A.-G., Karlsruhe in Baden, Germany
Application November 14, 1933, Serial No. 697,998
In Germany November 17, 1932
8 Claims. (Cl. 219—35)



1. In an electric range, a vapor-tight baking chamber, heat absorbent ribs attached to the said chamber over an extended area of heat conductive contact and carrying removable heating elements, said ribs having open slits extending longitudinally the entire length thereof, the heating elements being entirely surrounded by said ribs and the walls of said chamber except for the said slits of said ribs.

2,078,841
APPARATUS FOR CONTINUOUS DISTILLATION AND DEODORIZATION
Philipp Lorenz Fauth, Wiesbaden-Dotzheim, Germany, assignor to Gesellschaft zur Verwertung Fauth'scher Patente m. b. H., Wiesbaden, Germany, a company of Germany
Application June 14, 1933, Serial No. 675,842
In Germany June 30, 1932
2 Claims. (Cl. 202—173)

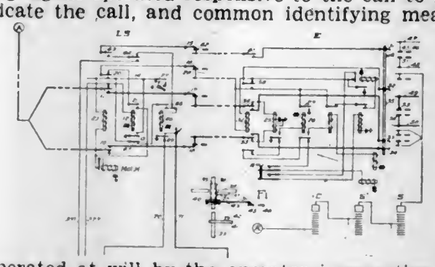
1. Apparatus for the continuous distillation of mixtures of oils or fats and solvents and for deodorizing the resultant oil or fat in a continuous operation, comprising a series of deodorizing chambers, a series of distilling chambers, gaseous fluid conveying means connecting the deodorizing chambers in series from the top of a deodorizing chamber to the bottom of the next preceding deodorizing chamber, gaseous fluid conveying means connecting the distilling chambers in series from the top of a distilling chamber to the bottom of the next preceding distilling chamber, gaseous fluid conveying means connecting the series of deodorizing chambers with the series of distilling chambers from the top of the first of the series of deodorizing chambers to the bottom of the last of the series of distilling chambers, a pressure regulator and a vacuum pump connected in said last-mentioned gaseous fluid conveying means for maintaining the deodorizing chambers under vacuum, liquid conveying means connecting the deodorizing chambers together in series from the bottom of a deodorizing chamber to the top of the next succeeding deodorizing chamber, liquid con-



veying means connecting the distilling chambers together from the bottom of a distilling chamber to the top of the next succeeding distilling chamber, liquid conveying means connecting the series of deodorizing chambers with the series of distilling chambers from the bottom of the last of the series of distilling chambers to the top of the first of the series of deodorizing chambers, a liquid flow regulator connected in said last-mentioned liquid conveying means for regulating the flow therein and sealing the vacuum in said deodorizing chambers, means for supplying the mixture to the upper part of the first distilling chamber, means for removing deodorized distillate from the lower portion of the last of the deodorizing chambers, means for supplying steam to the lower portion of the last deodorizing chamber in direct contact with the liquid therein, and means for removing steam, vapors and odors from the upper portion of the first distilling chamber.

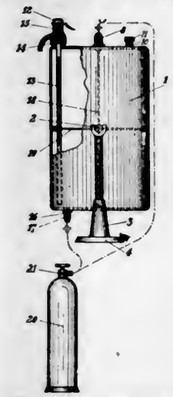
2,078,842
AUTOMATIC TELEPHONE SYSTEM
Herbert M. Friendly, Chicago, Ill.; Milton S. Friendly and Central Republic Trust Company, executors of said Herbert M. Friendly, deceased, assignors, by mesne assignments, to Milton S. Friendly, Chicago, Ill., Oscar N. Friendly, Salt Lake City, Utah, and City National Bank and Trust Company, Chicago, Ill., as trustees
Application December 29, 1930, Serial No. 505,292
49 Claims. (Cl. 179—27)

1. In a telephone system, a plurality of lines, an operator's called line, switch mechanism for extending connection from a random calling one of said plurality of lines to the called line, a calling signal operated responsive to the call to indicate the call, and common identifying means



operated at will by the operator irrespective of control over said calling line for sending a specific identification of said calling line over the call extension to the operator's called line.

2,078,843
APPARATUS FOR SUPERSATURATING WITH CARBON DIOXIDE, LIQUIDS SUCH AS WINES
Pierre Frolois, Brussels, Belgium
Application November 4, 1935, Serial No. 48,257
In Belgium October 21, 1935
7 Claims. (Cl. 261—75)

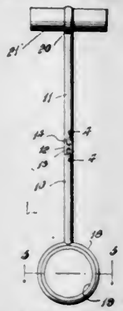


1. An apparatus for super-saturating with carbon dioxide under pressure, liquids such as wine and maintaining those liquids under gaseous pressure, comprising a fluid-tight pressure resisting tank or reservoir, an inlet for carbon dioxide under pressure at the upper part, another inlet for carbon dioxide under pressure at the lower part, means for regulating the pressure at will, at each of these inlets, a closable pipe fitting at the upper end plate for introducing liquid in the tank and a diffuser plate which divides the tank in two equal superposed parts and which is capable of dividing the compressed liquid throughout the area of the plate into a fine cloud or mist for intimately mixing with the dioxide introduced there.

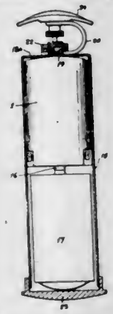
2,078,844
CIGARETTE AND NECKTIE HOLDER
Harold H. Gardian, Akron, Ohio
Application August 4, 1936, Serial No. 94,242
3 Claims. (Cl. 131—51)

1. An article of the class described having arms, means on one of the arms to mount the same on a finger, a cigarette holder carried by the other

arm, and means connecting the arms for operative disposition in alignment or in folded position in substantial parallelism to form a clamp.



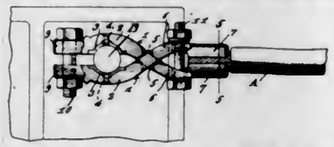
2,078,845
SAFETY RAZOR AND VIBRATORY MOTOR THEREFOR
Rudolf Goldschmidt, London, England
Application February 14, 1935, Serial No. 6,583
In Great Britain May 17, 1934
12 Claims. (Cl. 30—45)



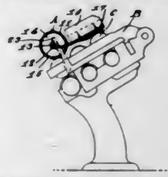
1. An electromagnetic vibratory motor for setting the blade of a safety razor in vibration, said motor comprising a magnetic circuit consisting of an armature portion and a body portion, said armature portion being mounted for vibration relatively to said body portion, a coil for setting said armature in vibration in response to current passed therethrough, said coil being mounted upon said armature portion for vibration therewith relatively to said body portion, means for attaching a safety razor blade to said body portion, and means for transmitting vibrations of said armature to said body portion to produce vibration of said blade in directions substantially parallel to the cutting edge thereof, the mass of said armature portion including said coil being at least one-half of the mass of said body portion.

2,078,846
BATTERY TERMINAL CLAMP
Stephen S. Goulding and William Dean McKale, Lansing, Mich.; said McKale assignor to Marcus Vitos, Lansing, Mich.
Application October 22, 1935, Serial No. 46,194
2 Claims. (Cl. 173—259)

2. A battery terminal clamp comprising a pair of companion members, each including a reversely curved body having a slot provided with rounded ends arranged therein and the slotted portion of one body being detachably received in the slotted portion of the other to pivotally associate the members together in scissors formation, cooperating jaw portions included in said bodies, non-corrosive metallic inserts for said jaw portions, apertured ears formed on the outer ends of the jaw portions, webbed cable clamping members formed on the outer ends of the bodies and being of semi-cylindrical formation, and means received by the apertured ears and the outer ends of the bodies for securing the jaw portions in gripping relation and the semi-cylindrical members in cooperative association.

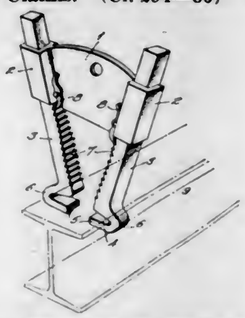


2,078,847
TOP ROLLER CLEARER
Trumon G. Gray, Seneca, S. C.
Application July 13, 1936, Serial No. 90,400
1 Claim. (Cl. 19—140)



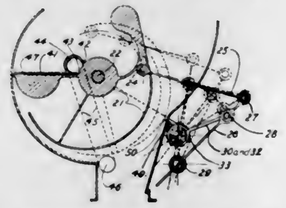
A clearer of the character described comprising a clearer board, a clearer roll forwardly of said board and rotatable for engaging a front top roll of a spinning machine, a plurality of pads made fast at intervals to the bottom face of said board and each tapered in a forward direction with the thicker portions engageable with a top rear roll of said spinning machine, and plate-like brackets secured to the under face of said board transversely thereof and having reduced bearings extended outwardly beyond the front edge of said board for journal connection of the clearer roll therewith, the thinner portions of said pads being disposed next to and away from a top intermediate roll of the spinning machine.

2,078,848
CLAMP
Joseph Greger, Long Island City, N. Y.
Application March 21, 1936, Serial No. 70,159
2 Claims. (Cl. 294—86)



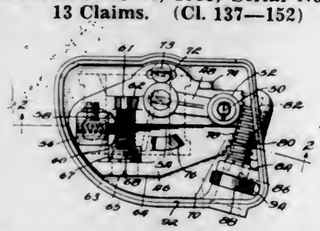
1. A clamp comprising a connecting plate, sleeves integral with the ends of said plate and arranged angularly to each other, shanks slidably supported by said sleeves and converging, jaws carried by the converging ends of said shanks, teeth formed on said shanks, and dogs pivoted to said plate and engaging the teeth.

2,078,849
CARBURETOR FOR INTERNAL COMBUSTION ENGINES
Reuben M. Grosjean, Omaha, Nebr.
Application September 22, 1934, Serial No. 745,135
10 Claims. (Cl. 261—50)



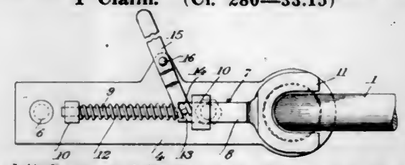
2. In a carburetor, the combination of a housing having a mixing chamber formed therein, said mixing chamber comprising an air metering tube with rectangular cross-section and with a varying wall for varying the width of the opening through said air metering tube, a fuel orifice in said air metering tube, a fuel reservoir, a fuel passage connecting said fuel reservoir with said fuel orifice, a fuel metering valve in said fuel passage, a spring-loaded, suction-operated rotor with part of its exterior surface formed in the shape of a cam for forming said varying wall of said air metering tube, an air cushion chamber, for said rotor, formed by said housing and said rotor for damping out flutter of said rotor, said air cushion chamber being directly connected by rotor clearance with only the space between said rotor and the throttle of the carburetor, and proportioning means interconnecting said rotor and the movable member of said fuel metering valve so that the fuel metering valve is actuated by movements of the rotor.

2,078,850
GOVERNOR
Addison C. Hoof, Hinsdale, Ill.
Application June 20, 1935, Serial No. 27,577
13 Claims. (Cl. 137—152)



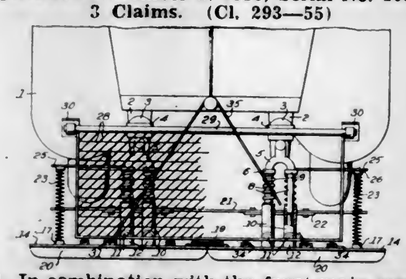
1. In combination with the intake manifold of a gas engine, a shaft rotatably mounted in said manifold, an unbalanced valve fixed to said shaft in said manifold, a crank arm fixedly secured to the outer end of said shaft, a housing, a support, a multiple leaf spring mounted on said support for opposing the movement of the crank arm, a backing plate mounted in said housing, and means for adjusting the position of said backing plate, said means including a worm member, a key means for adjusting said worm, said leaf spring and support adapted to be adjustably mounted on said backing plate.

2,078,851
HITCH
Smith D. Hovey, Trenton, Nebr.
Application October 23, 1935, Serial No. 46,398
1 Claim. (Cl. 280—33.15)



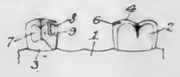
A hitch comprising an attaching plate having a socket opening outwardly through the upper face of said plate and formed at one end of the latter, a draw bar having a goose neck terminating in an enlarged end resting in said socket, spaced apertured lugs formed on the upper face of the plate, a forked locking member slidable through the lugs and adapted to straddle the goose neck above the enlarged end and partly overlying the mouth of the socket and having a reduced portion providing a shoulder, a coil spring mounted on the reduced portion of the locking member and bearing against one of the lugs and the shoulder to position the forked end of the locking member in said position, a pin secured to said locking member, an offset formed on one edge of the plate, and a lever pivoted to the offset laterally of the locking member and having one end forked to receive the pin whereby pivotal movement of the lever in one direction will retract the forked locking member from engagement with the goose neck and permit the enlarged end thereof to be lifted from the socket.

2,078,852
COIL SPRING CUSHION FENDER FOR AUTOMOBILES
Martin Jelalian, New York, N. Y.
Application November 5, 1936, Serial No. 109,343
3 Claims. (Cl. 293—55)



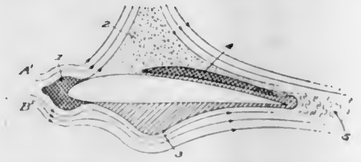
1. In combination with the front main springs of an automobile T-shaped supports each provided with a fork-shaped integral tubular member having integral collars and also integral tubular shafts projecting forwardly therefrom, a fender comprising a pair of guard rails, their inner ends being in axial alignment with each other and adapted to have flexibility longitudinally and transversely to the said vehicle, and the said guard rails provided with integral flat sided projecting portions having hingedly connected tubular members slidably mounted upon the end portions of the said integral tubular shafts of the said T-shaped supports, a pair of expanding coil springs for yieldably connecting the inner ends of the said guard rails of the said fender, and coil-spring supporting arms projecting outwardly from one side of each of the said fork-shaped integral tubular portions of the said T-shaped supports and having coil pull-spring connections with the said guard rails of the said fender.

2,078,853
REMOVABLE DENTAL BRIDGE
Carroll W. Johnson and Louis Spinar, Chicago, Ill.
Application September 14, 1935, Serial No. 40,550
2 Claims. (Cl. 32—5)



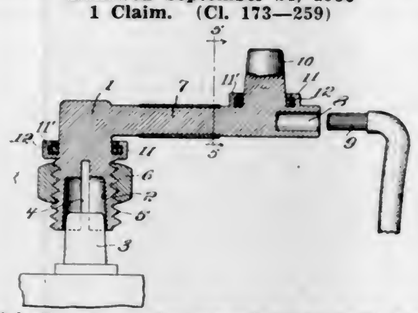
1. In a removable dental bridge supporting device, a pair of socket members, each socket member adapted to be supported within the body of a tooth, said socket member having an exposed side surface conforming generally to the natural outline of the tooth, and having a socket set inwardly from said exposed side surface, said socket opening toward the occlusal surface only of the tooth, said socket member being provided with a countersink surrounding the opening of the socket, and a bridge member adapted to support one or more artificial teeth, a socket engaging member at each end of the bridge, said bridge member including countersink engaging portions surrounding each said socket engaging member at the base thereof and conforming in thickness and general contour to the depth and contour of the respective countersink portions and adapted to closely interfit therewith to prevent relative movement therebetween, said bridge member and said socket members engaging only throughout the contacting areas of the countersinks and countersink engaging portions whereby the side surfaces of the socket supporting teeth and the artificial teeth carried by the bridge are left free.

2,078,854
BOUNDARY LAYER AIR CONTROL
Clifford C. Jones, Washington, D. C.
Application June 20, 1936, Serial No. 86,425
21 Claims. (Cl. 244—42)



1. The method of modifying the absolute coefficients of the lift and drag of an aerodynamic section while in motion, said section possessing in the vicinity of its leading edge a normal atmospheric pressure zone, above its upper cambered surface a subatmospheric pressure zone, below its lower cambered surface a superatmospheric pressure zone at a higher pressure than the subatmospheric pressure zone and adjacent its trailing edge a resultant atmospheric pressure zone created by the convergence of the airflows passing from the section and of a higher pressure than the normal pressure zone, the steps of removing the boundary layer volume substantially over the entire span of said section, from and at a point adjacent a lower pressure zone, compressing said removed boundary layer volume within said section, and discharging said compressed boundary layer volume at a point adjacent a higher pressure zone, thereby utilizing said compressed and discharged boundary layer volume to remove boundary layer volume from the higher pressure zone.

2,078,855
BATTERY CABLE TERMINAL PROTECTOR
Mathew T. Kim, Pala, Territory of Hawaii
Application September 6, 1934, Serial No. 742,997
Renewed September 24, 1936
1 Claim. (Cl. 173—259)



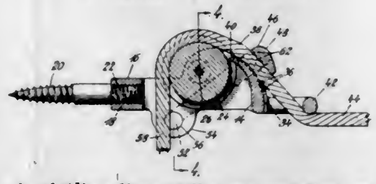
A battery connecter comprising an angle member having means at the ends thereof for attaching the same to a battery post and to a conductor, and said connecter, adjacent to its said ends being integrally formed with outstanding lubricant cups which have, at their mouths inwardly directed ring flanges for retaining packings and a lubricant in said cups.

2,078,856
PROCESS FOR THE PREPARATION OF HIGH MOLECULAR THIO-ETHERS
Alfred Kirstahler, Dusseldorf, Germany, assignor to the firm Henkel & Cie Gesellschaft mit beschrankter Haftung, Dusseldorf, Germany
No Drawing. Application October 19, 1933, Serial No. 694,344. In Germany December 29, 1931
13 Claims. (Cl. 260—151)

1. A process for the preparation of high molecular thioethers which comprises mixing approximately equimolecular proportions of an aliphatic mercaptan having more than 8 carbon atoms in the molecule and containing at least one mercapto group; and a 1,2-propylene oxide containing in the methyl residue a reactive group which does not react with the mercaptan.

13. As new products, the thioethers of the general formula $R—S—CH_2—CH(OH)—CH_2G$, wherein R stands for an alkyl residue having more than 8 carbon atoms and G for a reactive group selected from a halogen group and a hydroxy group.

2,078,857
CLOTHESLINE PULLEY
Fred L. Kohlhagen, Frankfort, Ill.
Application May 2, 1935, Serial No. 19,512
4 Claims. (Cl. 24—132)



1. A clothes line pulley comprising a frame including two spaced parallel reaches, a grooved wheel positioned between the reaches and rotatably carried thereby, a curved pressure member arranged in operative relation with the grooved wheel, a U-shaped latch member having the ends

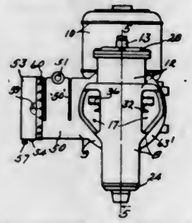
of its legs journaled in said frame, said reaches being positioned between the latch member and the bight of the latter being arranged to swing over said pressure member to pinch a rope thereagainst, an eye carried by said frame for holding the rope in operative relation with the pressure member, and means carried by the frame for securing the latter to a support.

2,078,858
TELESCOPE SIGHT
Frederick Albert Kuhn, Meriden, Conn., assignor to The Lyman Gun Sight Corporation, Middlefield, Conn., a corporation of Connecticut
Application February 8, 1935, Serial No. 5,567
13 Claims. (Cl. 33—50)



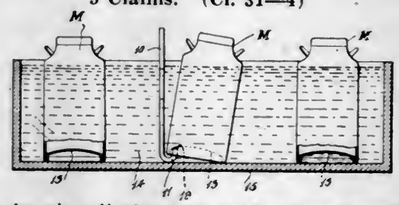
1. In a telescope sight, a casing, a reticule holder in the casing, a vertical screw mounted on the casing and threaded in the holder, a horizontal screw mounted on the casing and threaded in the holder, a guide mounted for vertical movement only in the casing and said holder being mounted for horizontal movement only on the guide.

2,078,859
MOUNTING FOR A HIGH SPEED CUTTING TOOL
De Forest A. Lapham, Syracuse, N. Y.
Application March 23, 1935, Serial No. 12,752
3 Claims. (Cl. 90—17)



3. In a high speed cutting tool mounting adapted to be removably attached to a milling machine or the like having a work supporting table and a non-rotating carrier member, in combination, a tool spindle, supporting means for the spindle including a pair of elements rotatably connected with each other and with the carrier member to permit the spindle to be revolved 360° in either direction about both of a pair of intersecting axes extending substantially normal to each other, means releasably securing said first mentioned elements to each other to permit relative rotary adjustment thereof, a third element, separate means adjustably securing one of said first mentioned elements and the third mentioned element to the carrier member whereby said elements may rotate independently of each other and of said carrier member, said first mentioned elements being provided with graduations on adjacent surfaces thereof coacting for indicating the degree of relative rotary movement of said elements about one of said axes, and separate graduation marks provided on adjacent surfaces of the third mentioned element and the adjacent one of the first mentioned elements coacting for indicating the degree of relative rotary movement thereof about the other one of said axes whereby the degree of revolution of the spindle about said axes may be accurately determined with respect to the work supporting table, and means connecting said third element to said adjacent one of the first mentioned elements and coacting to permit free rotation of said elements relative to each other.

2,078,860
DAIRYMAN'S AIR-RELIEF TOOL
John Elmer Landis, Macy, Ind.
Application March 19, 1936, Serial No. 69,695
5 Claims. (Cl. 31—4)

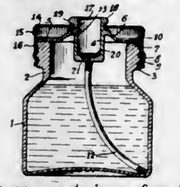


1. An air relieving tool of the class described, comprising a tube usable exteriorly of a milk can or the like, said tube having its bore open at both ends, one end portion of said tube being a crook adapted to fulcrum on the support for the milk can to enter the free end of the crook beneath the can.

2,078,861
MANUFACTURE OF AZO DYESTUFFS
Robert Lantz, Paris, France, assignor to Societe Anonyme des Matieres Colorantes & Produits Chimiques de Saint-Denis, Paris, France, a company of France
No Drawing. Application December 16, 1935, Serial No. 54,789. In France December 22, 1934
14 Claims. (Cl. 8—5)

13. A method of dyeing a fibrous material which comprises applying to said fibrous material an alkaline mixture including an azo-coupling component and a salt of a sulphonic derivative of an aryl compound containing at least one hydroxyl group, in which the sulphonic group is connected to the aryl nucleus through a dinitrogen group, neither of said azo-coupling component and said salt including a water solubilizing group apart from said sulphonic group, and subjecting said mixture on the fibrous material to the action of an oxidizing agent.

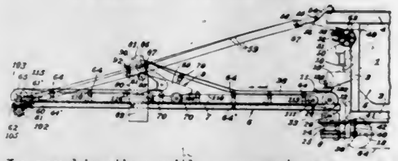
2,078,862
BOTTLE AND LIKE CONTAINER
John Blandy Llewellyn, Westbourne Grove, London, England, assignor to Jerome Taishoff, London, England
Application February 1, 1935, Serial No. 4,580
In Great Britain February 6, 1934
7 Claims. (Cl. 120—64)



1. In a bottle or container for liquids a device for effecting removal of the liquid contents of said container in doses which comprises a diaphragm contacting the air above said liquid content for effecting displacement of a liquid dose by com-

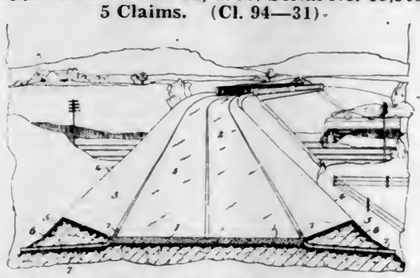
pression of said air, a well adapted to receive said liquid dose supported by said diaphragm so as to move therewith and a manually operable actuating device positively engaging the walls of said well and displaceable at right angles to the plane of said diaphragm.

2,078,863
CONCRETE CONVEYER
Axel E. Lundbye, Nunda, N. Y., assignor to The Foote Company, Inc., Nunda, N. Y., a corporation of Delaware
Application May 25, 1935, Serial No. 23,490
4 Claims. (Cl. 198—119)



1. In combination with a concrete paver, a supporting means and power transmission located centrally and in front of the paver, and a boom centrally mounted at its one end on said supporting and transmission means, means cooperating with the transmission means and with the boom for selectively traversing the boom in the desired direction, an endless conveyer belt mounted on the boom, means cooperable with the transmission mechanism for driving said conveyer, a discharge carriage provided with a hopper mounted on the boom, selective means cooperable with the transmission mechanism for directing a forward or rearward movement of said discharge carriage on said boom, the discharge carriage provided with two rollers, and the conveyer belt passing over one and under the other and then to the forward end of said boom whereby material on said conveyer belt will be discharged to said hopper.

2,078,864
ROAD GUARD
Walter R. Macatee, Cincinnati, Ohio
Application March 11, 1936, Serial No. 68,309
5 Claims. (Cl. 94—31)



1. A guard for road beds comprising an inverted V-form section rising from the level and at the side of the road bed, one leg merging into the road bed surface, and the legs meeting at a comparatively sharp crest, both legs being inclined to the road bed.

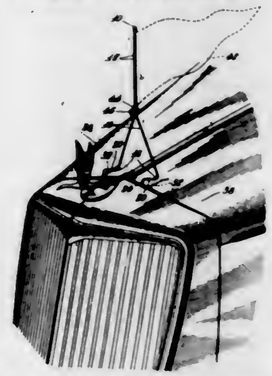
2,078,865
HAND KNOB
John D. MacLaury, Oberlin, Ohio
Application February 26, 1936, Serial No. 65,884
7 Claims. (Cl. 16—121)

1. A hand knob for a gear shift lever comprising a body molded entirely of yieldable rubber and with a relatively deep axial cylindrical socket adapted to frictionally receive an unenlarged or unshouldered upper end of a gear shift lever, said body being further formed in the bottom thereof with a relatively deep annular recess in



spaced concentric relation to and surrounding the lower portion of said axial socket, whereby the knob is provided with a main outer portion universally yieldable relative to said lever and the portion of the knob inwardly of said annular recess.

2,078,866
SUPPORTING STANDARD
Walter V. Metz, Brookfield, Ill.
Application February 25, 1935, Serial No. 8,144
1 Claim. (Cl. 248—229)

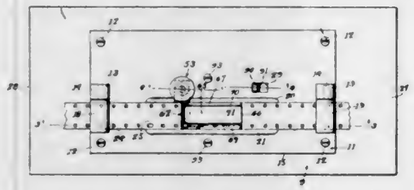


A supporting standard for connection with the leaves of an automobile hood, comprising a piece of wire bent back upon itself to provide two reaches arranged in juxtaposed relation, each reach being bent to provide a reach arranged at an angle to the juxtaposed reaches, each of said angular reaches being bent to provide a curved part, a resilient finger cooperating therewith for pinching connection with the leaves of the automobile hood within the perimeter of the latter, and means slidably mounted upon the juxtaposed reaches to support the same against separation.

2,078,867
DETECTION DEVICE FOR SPROCKET HOLES OF MOTION PICTURE FILMS
Edward J. O'Neill, Syracuse, N. Y., assignor to Alvin C. Loewer, Baltimore, Md.
Application September 30, 1935, Serial No. 42,942
16 Claims. (Cl. 73—51)

14. In a detection device for the purpose set forth, a releasable, depressible, automatically upwardly movable combined film holding down, film concealing and split and abnormally enlarged sprocket-hole indicating structure, a locking mechanism for the said structure including a normally inactive film shiftable releasing element therefor, said structure including a film holding

down and concealing member for successive lengths of a film during the travel of the latter, and a presser foot for depressing a split portion of the film during the travel of the latter to en-



gage and shift, during the travel of the film, said releasing element to provide for the release of said structure, said presser foot being carried by and offset relative to said member.

2,078,868
ELECTROPLATING PROCESS
Floyd F. Oplinger, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 31, 1934, Serial No. 709,171
12 Claims. (Cl. 204—17)

1. A process for electroplating a metal comprising treating said metal in an acid solution until the metal is visibly etched, thereafter subjecting said metal to an anodic treatment in an alkaline solution, electroplating the treated metal with a metal or alloy having a melting point below that of said treated metal and subsequently heating the electroplated surface under substantially non-oxidizing conditions to a temperature above the melting point of the electroplated coating.

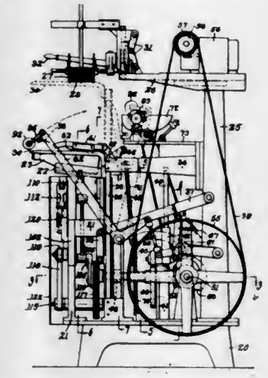
2,078,869
ELECTROPLATING PROCESS
Floyd F. Oplinger, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 30, 1934, Serial No. 737,569
3 Claims. (Cl. 204—17)

1. A process for producing an alloy coating on a ferrous metal comprising treating said ferrous metal with an acid until the surface thereof is visibly etched, then treating said metal with an alkaline solution for a period of at least 3 minutes, electroplating the treated metal with a plurality of different metals applied in successive layers and finally heating the electroplated surface under substantially non-oxidizing conditions to a temperature sufficiently high to cause the said electroplated layers to substantially completely fuse together to form an alloy coating.

2,078,870
LABELING MACHINE
Charles H. Oslund, Worcester, Mass.
Application February 3, 1936, Serial No. 62,114
15 Claims. (Cl. 216—54)

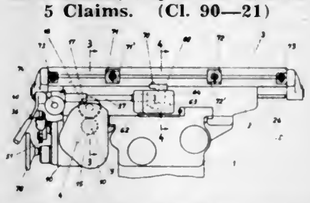
1. A labeling machine comprising a label magazine, pickers to receive labels from the magazine, a roll to apply adhesive to the pickers, and independently yieldable supports for the opposite ends of the roll to ensure proper alignment of the roll with the pickers.

6. A labeling machine comprising a rest for the articles to be labeled, two vertically reciprocable members located beneath the rest, means including a crank and connecting rod to reciprocate one of the members, a longitudinal rotatable shaft beneath the members, a cam removably mounted on the front end of the shaft and arranged to reciprocate the other of said members, a pair of label-wiping devices mounted on the crank-actuated member and located at opposite sides of said rest, and connections between the cam-actuated member and the devices arranged to move the devices laterally.



10. A labeling machine comprising a rest for the articles to be labeled, a label magazine above and spaced from the rest, a pair of spaced pickers located above the rest and below the magazine, means to move the pickers up and down between the rest and the magazine, a center gummer, means to move the gummer into the space between the pickers as they move upwardly, means to apply adhesive to the pickers and the gummer, means to move the gummer upwardly with the pickers to contact with a label in the magazine, and means to move the gummer downwardly and then laterally to one side of the pickers so that the pickers may move downwardly without interference into a position close to an article on the rest.

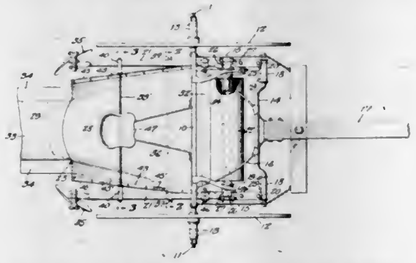
2,078,871
MACHINE TOOL
Otto Panzner, Chemnitz, Germany, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Schonau-Chemnitz, Germany
Application August 31, 1934, Serial No. 742,345
In Germany September 4, 1933
5 Claims. (Cl. 90—21)



1. A machine tool or the like comprising a reciprocating work table, a device for changing the speed of the work table, a device for reversing the direction of motion of the work table, a control lever adjustable in two inner and two outer positions, connecting means between the control lever and one of the said devices for actuating the same during the movement of the control lever only between the two inner positions of the control lever, two setting members operatively connected with the control lever, and two stops

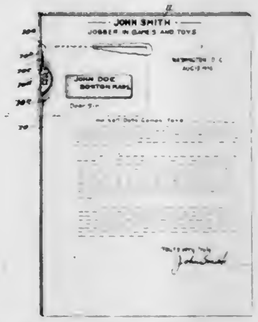
connected with the other of the said devices, one of said setting members contacting one of said stops during the movement of the control lever from an inner position to the next outer position, the other setting member contacting the other stop during the movement of the control lever from the other inner position to the next outer position, the other of the said devices being moved by the two stops into the same operative position.

2,078,872
MACHINE FOR LAYING PROTECTING PAPER OVER PLANTS
Alfred Pfeiffer, San Antonio, Tex.
Application July 30, 1936, Serial No. 93,516
5 Claims. (Cl. 47—9)



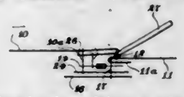
1. A machine for laying protecting paper over plants, comprising a wheeled carrier, a paper supply thereon, and a chute receiving a web of the paper from the supply and having an arched portion for shaping the paper in an arch over the row of plants to be protected.

2,078,873
MAILING DEVICE WITH REPLY MEMBER
Charles A. Binger, New York, N. Y., assignor of one-half to Helen Unger and one-half to Charlotte Binger, both of New York, N. Y.
Application August 28, 1936, Serial No. 98,374
1 Claim. (Cl. 229—92.8)



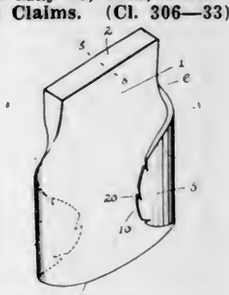
A letter head or the like, comprising two plies of paper stock cemented together except for an area at the upper left hand corner of the sheet defining a pocket with a window opening from the front of the sheet at the locality of said pocket, and a reply mailing element detachably held in said pocket, pre-addressed on one side to the sender of the device, and adapted to bear on its other side indicia which serves both as the salutation address for the letter on said letter head and as the identification of the sender of said reply mailing element.

2,078,874
CLOSURE
Jacob P. Friedman, Bronx, N. Y., assignor to Hookless Fastener Company, a corporation of Pennsylvania
Application July 24, 1936, Serial No. 92,375
6 Claims. (Cl. 2—243)



1. The method of making a closure in an article which consists in joining two pieces of material by a sewed seam, attaching a closed slide fastener to the two pieces of material along a portion of the seam, and subsequently removing the stitches of said portion of the seam to provide a controlled opening which when closed will secure the pieces of material in the positions they occupied when sewed together.

2,078,875
WEDGE
Earl H. Harmon, New Hartford, N. Y., assignor of one-half to William G. Pope, Utica, N. Y.
Application May 15, 1936, Serial No. 79,952
6 Claims. (Cl. 306—33)



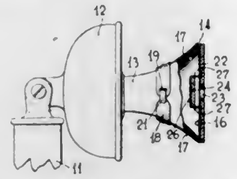
1. In a wedge, a central portion tapered from one end to the other, wings formed on said central portion, said wings terminating midway between the upper and lower edges of the wedge and disposed on opposite sides thereof, whereby to effect additional retaining members.

2,078,876
PRESAPONIFIED BUFFING COMPOUND
Mary F. Hennessey, Waterbury, Conn., assignor to The Puritan Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application October 30, 1936, Serial No. 108,471
6 Claims. (Cl. 51—280)

5. A solid abrasive preparation adapted to be deposited by friction upon a revolving buffing wheel, comprising a fatty acid presaponified with a substance of the class represented by triethanolamine, monoethanolamine, diethanolamine, ethylene diamine, monoamylamine, diamylamine and triamylamine having mild detergent, emulsifying, and saponifying properties, and mixed with powdered abrasive.

2,078,877
ANTISEPTIC DEVICE AND METHOD OF MAKING SAME
Fred A. Hoyland, Washington, D. C.
Application March 23, 1935, Serial No. 12,691
7 Claims. (Cl. 179—185)

1. Antiseptic device for mouth pieces including a foreward perforated germicidal body, an alined rearward imperforate germicidal body



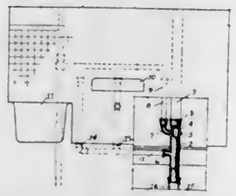
connected thereto and a means for attaching the bodies to the mouth piece.

2,078,878
CHICLE SUBSTITUTE
Dean M. Jackman, Bayside, N. Y., assignor to American Chicle Co., Long Island City, N. Y., a corporation of New Jersey
No Drawing. Application November 19, 1935, Serial No. 50,543
5 Claims. (Cl. 99—135)

1. A chicle substitute comprising a crystalline resinous material, non-toxic, tasteless and odorless, and having a melting point between 190–200° C., a soft crystalline resinous material, non-toxic, tasteless, substantially odorless and having a melting point between 110° C. and 120° C., both prepared from the alpha and beta amyrins extracted from gum elemi, a non-crystalline resin adapted as a solvent for the crystalline resins, and a material adapted to add elasticity to the mass.

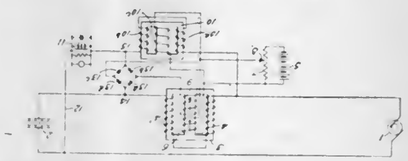
5. A chicle substitute comprising a crystalline resinous material, non-toxic, tasteless and odorless, and having a melting point between 190–200° C., a soft crystalline resinous material, non-toxic, tasteless, substantially odorless and having a melting point between 110° C. and 120° C., a non-crystalline resin adapted as a solvent for the crystalline resins, and a material adapted to add elasticity to the mass, the soft crystalline resinous material being in greater proportion than the hard crystalline resinous material.

2,078,879
FITTINGS FOR PLUMBING SYSTEMS
Edward W. Kaiser and James Edwin Quinn, Chicago, Ill.
Application March 20, 1935, Serial No. 11,910
6 Claims. (Cl. 285—210)



1. As a new and useful article of manufacture, a main soil-pipe section for use in bathroom plumbing, having a vertical body with a horizontally facing aperture therein near its top, surrounded by a seat for direct connection with a water closet and a forwardly extending vent pipe elbow projecting therefrom in the same horizontal plane as the aforesaid aperture, but not connected therewith, together with a second horizontally facing aperture located well towards the bottom of the section surrounded by a seat for connection with a drain pipe.

2,078,880
ELECTRIC CONTROLLING APPARATUS
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application February 9, 1935, Serial No. 5,719
29 Claims. (Cl. 171—242)

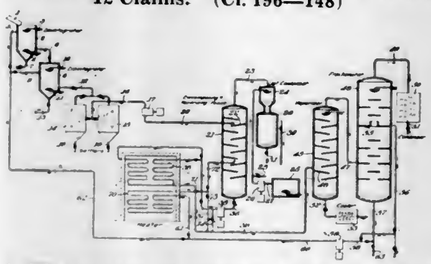


1. Electric controlling apparatus comprising a consumption circuit, a reference voltage circuit, adjustable means for imposing on the reference voltage circuit a series of values of voltages over a wide range and for imposing on the consumption circuit a series of values of voltages below those imposed on the reference voltage circuit, and auxiliary means for raising the values of the voltages of the consumption circuit to approach those of the reference voltage circuit.

2,078,881
PROCESS FOR COATING RUBBER AND PRODUCT
Walter M. Münzinger, Heidelberg-Rohrbach, Germany, assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application March 22, 1934, Serial No. 716,903. In Germany March 20, 1933
9 Claims. (Cl. 91—68)

1. In the process of producing protective or decorative coatings on rubber articles the step which comprises applying to the rubber article a ground coat comprising an aqueous dispersion of the polymerization product of a vinyl compound which is one of the group consisting of vinyl acetate, the nitriles, chlorides, amides, anhydrides and esters of acrylic and α methacrylic acids and mixtures thereof to which natural rubber latex has been added, drying and subsequently applying a finishing lacquer coat.

2,078,882
METHOD FOR THE PREPARATION OF FUEL OIL
Rufus L. Savage, Jr., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 13, 1934, Serial No. 730,379
12 Claims. (Cl. 196—148)



1. The process of treating an acid-oil sludge containing objectionable acidic sulfur compounds which comprises delivering the sludge into a heating chamber, passing a hot refractory diluent oil into the chamber in direct contact with the sludge to heat the same and effect de-

composition and vaporization of the acidic sulfur compounds, the heating being controlled to avoid any substantial carbonization or cracking of the said sludge, withdrawing the resulting vapors, collecting the purified oil sludge together with the refractory diluent oil, then separating the refractory diluent oil by fractional distillation while removing the purified oil sludge as a residual product of merchantable fuel oil grade, and heating the refractory diluent oil and introducing it into the chamber as the said hot oil to effect heating and decomposition of the acidic sulfur compounds therein.

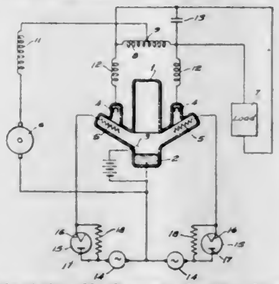
2,078,883

GRID-CONTROLLED GAS-FILLED TUBE

Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 27, 1933, Serial No. 673,239

14 Claims. (Cl. 175—363)



1. An electric discharge device having main and control electrodes, a direct-current circuit, an alternating current circuit connected to derive energy from the current passing between said main electrodes, means to vary the potential of said control electrode relative to one of said main electrodes, a high impedance shunted by a rectifier connected in series with said control electrode and one of said main electrodes.

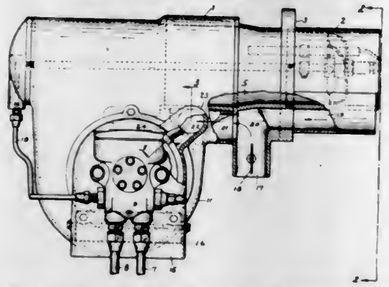
2,078,884

LIQUID FUEL BURNER

Earl C. Vollmer, Rock Island, Ill., assignor to Micro-Westco, Incorporated, Bettendorf, Iowa, a corporation of Delaware

Application July 15, 1936, Serial No. 90,671

4 Claims. (Cl. 158—1)



1. An oil burning unit of the pressure atomizing type for use with a furnace having a combustion chamber, comprising a fan housing having a fan located therein and provided with a main air-inlet, a burner nozzle, an air conduit for conducting air from the fan housing to the combustion chamber and delivering it around said nozzle, an auxiliary air-inlet communicating with the main air-inlet, a second conduit communicating with said auxiliary air inlet and having its inlet in the combustion chamber in the vicinity of the nozzle, regulating means for regulating the amount of free air admitted through the main air-inlet, regulating means for regulating the flow of air through the auxiliary air-inlet, and regulating means for regulating the flow of gases from the combustion chamber to the stream of air flowing through the auxiliary air-inlet.

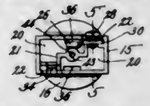
2,078,885

ATTACHMENT PLUG RECEPTACLE

Henry K. Wack, New Bedford, Mass., assignor to John I. Paulding, Inc., New Bedford, Mass., a corporation of Massachusetts

Application September 19, 1932, Serial No. 633,770

8 Claims. (Cl. 173—330)



4. In a device of the character described, an insulating body recessed in one face to form a chamber opening out the side of said body, a contact plate mounted edgewise in said chamber and provided with a binding screw registering with said opening, a partition in said chamber having an offset end portion for holding said contact plate in engagement with the side wall of said body, said offset end portion having an outer shoulder and said contact plate having a flange adapted to lock over said shoulder to hold said plate in said chamber without other retaining means, said insulating body having a jack-blade slot in its other face in alignment with said contact plate.

2,078,886

MIXED TEXTILE MATERIAL AND METHOD OF MAKING SAME

Leon W. Weinberg, Philadelphia, Pa., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 26, 1934, Serial No. 737,135

14 Claims. (Cl. 19—66)

1. In a method of producing spun yarn from wool fibers and artificial fibers containing organic derivatives of cellulose, the step of making the organic derivative of cellulose fibers more amenable to processing with the wool fibers to form a mixed spun yarn, which comprises subjecting said organic derivative of cellulose fibers to treatment with a lubricant comprising a mixture of mineral oil, a caustic material, a fatty acid and an alcohol, in kerosene as a carrier.

2,078,887

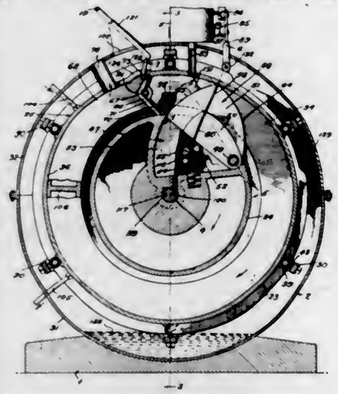
ROTARY INTERNAL COMBUSTION ENGINE

Abram H. Wood, White Hall, Md.

Application November 8, 1935, Serial No. 48,931

10 Claims. (Cl. 123—17)

1. Rotary internal combustion engine comprising a stator and a rotor, including extending side flanges in planes perpendicular to the rotor axis, one of said flanges having a peripheral cam surface, said stator and rotor including between them means for defining an expansion chamber having a movable wall thereof carried by said rotor for rotating the latter, means forming a combustion chamber communicating with said expansion chamber, inlet and outlet valves for said combustion chamber one controlling an inlet passage for combustible mixture, the other con-



trolling communication between said combustion chamber and said expansion chamber said valves opening and closing in alternation, means for simultaneously operating said valves including reciprocable element engaging said cam surface and controlled thereby.

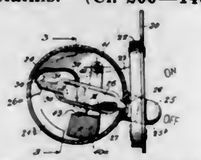
2,078,888

ELECTRIC SWITCH

Paul H. Zimmer, Bridgeport, Conn., assignor of one-half to Arthur A. Johnson, Bridgeport, Conn.

Application September 1, 1934, Serial No. 742,395

10 Claims. (Cl. 200—146)



1. A switch mechanism comprising a casing, a mercury tube carried by said casing and having a pair of spaced terminal wires extending thereinto, a pair of trunnions supporting said casing for vertical rotation to "off" and "on" positions and connected with said terminal wires, respectively, a metallic circuit closer also carried by said casing and movable relative thereto to engage and electrically connect said trunnions subsequently to the electrification of the tube wires by the movement of said casing from "off" to "on" position.

2,078,889

SLIDE FASTENER

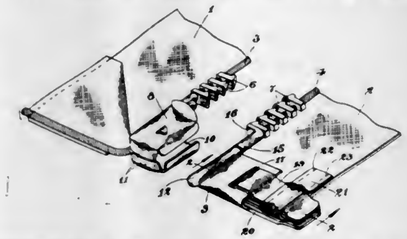
John Pugh Bennett and Ernest Conrad Happold, Birmingham, England, assignors to Hookless Fastener Company, a corporation of Pennsylvania

Application May 23, 1935, Serial No. 23,068

In Great Britain June 13, 1934

3 Claims. (Cl. 24—205)

1. A slide fastener adapted to be attached to the edges of an article to be fastened, comprising in combination narrow fabric stringers, cooperating series of fastener elements on said stringers, and a separable end connection for said stringers at one end of the fastener comprising cooperating engaging parts of rigid material secured to adjacent edges of the stringers, one of said engaging parts having portions extending on each side of the stringer part way across the end of the stringer, each of said portions having an eye therein, and a reinforcing member



threaded through each eye and extending the remainder of the way across the end of the stringer, said reinforcing member being flexible and being capable of being penetrated by stitches.

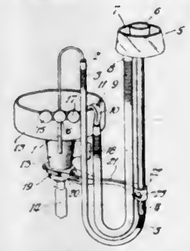
2,078,890

DENTAL FOUNTAIN

Frank E. Follett, La Fayette, Ind.

Application July 8, 1935, Serial No. 30,321

11 Claims. (Cl. 4—263)



1. In a device of the character described, the combination with a dental chair having a cuspidor projecting therefrom, of a drinking fountain adapted to be detachably mounted on and wholly supported by said cuspidor and means for draining waste water from said fountain into said cuspidor.

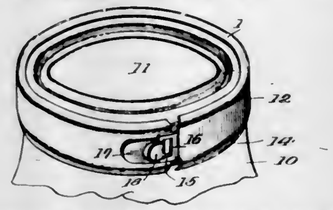
2,078,891

CLOSURE FOR RECEPTACLES

Walter Kowal, New York, N. Y., assignor to Phoenix Metal Cap Company, Inc., Chicago, Ill., a corporation of New York

Application March 21, 1936, Serial No. 70,124

5 Claims. (Cl. 215—95)



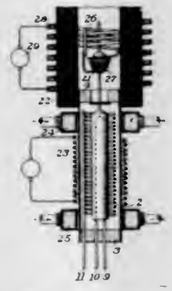
1. A closure for jars comprising a cap and a sealing band for securing the cap to the jar, said sealing band having a holding lug disposed at one end of said band and adapted to extend through an opening formed in the other end of said band for joining the ends, a releasing tongue formed within the band at the end thereof containing the holding lug and disposed so as to lift the same and release the band when the tongue is raised.

2,078,892

VACUUM TUBE AND METHOD OF MAKING THE SAME

Frederick S. McCullough, Ontario, Canada; The Union National Bank of Pittsburgh executor of said Frederick S. McCullough, deceased

Application August 10, 1933, Serial No. 684,518
5 Claims. (Cl. 250—27.5)



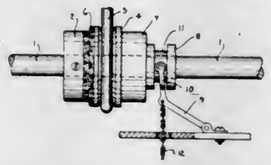
2. The method of making vacuum tubes of the type having an electrode within a metal sleeve, which sleeve constitutes the envelope of the tube and wherein the electrode is supported in spaced relation to the interior of the sleeve and is provided with lead-in and supporting wires projecting beyond the ends of the sleeve, which comprises assembling the electrode within the sleeve and then casting a cementitious insulating material in the end of the sleeve and about said lead-in and supporting wires and allowing the same to set, thereafter evacuating and baking the tube, and cooling the tube during the baking operation adjacent the cement to protect the same from heat.

2,078,893

CLUTCH

Mark B. Price and Helen M. Forestner, Springfield, Ill.; said Helen M. Forestner, assignor of one-fourth to John J. Forestner, Jr., and said Price, assignor of one-tenth to Arthur B. McCall, Springfield, Ill.

Application April 4, 1935, Serial No. 14,603
2 Claims. (Cl. 192—66)



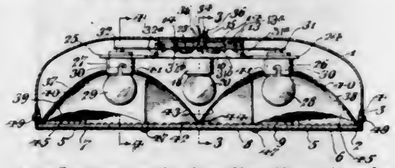
1. As a new article of manufacture a clutch for operation with the drive shaft and comprising a fixed friction member shaped to define a cupped concave formation and a support therefor in fixed position on said shaft and a power take off wheel carrying a second friction member on the side thereof adjacent said first friction member and shaped to define a cupped concave formation and means for optionally moving said second friction member and said take off over into position to receive driving power from said first friction member at different speeds; whereby oil may be dropped upon said friction members and when rotating said oil is thrown by centrifugal force out to the outer edges of said friction members creating an oil sealed vacuum between said members and a consequent transmission of power by a suction due to said vacuum between the friction plates.

2,078,894

DIRECTION SIGNAL

John Ralph Haines, Medford, N. J., assignor to Arrow Safety Device Company, Inc., Mount Holly, N. J., a corporation of New Jersey

Refiled for abandoned application Serial No. 591,247, February 5, 1932. This application April 2, 1936, Serial No. 72,320
3 Claims. (Cl. 177—329)



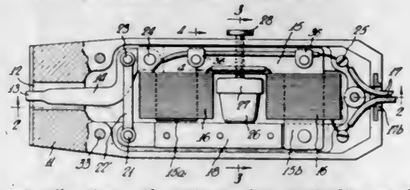
1. A reflecting unit for direction signals provided with a plurality of parabolic reflecting compartments, said unit and the reflecting compartments being in a unitary structure, and stamped and drawn from sheet metal, whose wall has a definite configuration simulating a pair of direction arrows with one end of each of the arrow stems adjacent the other.

2,078,895

VIBRATORY ELECTRIC MOTOR

John A. Hanley, Stamford, Conn., assignor, by mesne assignments, to Clipshave Inc., a corporation of New York

Application October 2, 1934, Serial No. 746,500
6 Claims. (Cl. 172—126)



1. A vibratory electric motor including a field having a pair of pole forming legs, an armature pivotally connected to the end of one leg and having a free end movable toward and away from the end of the other leg, a work lever pivoted at one end on the field and having a free end adapted to engage a device to be operated by the motor and a power transmitting, motion translating connection between the free end of the armature and the lever.

6. The combination with a hollow tool handle having an opening in one end thereof, of an elongated vibratory electric motor housed within the handle, said motor including an elongated field and field windings, a pivoted armature, a lever pivoted on the field and projecting through the opening and adapted for engagement with a tool mounted in the end of the handle, and means connecting the armature and the lever to convert a relatively small amplitude of movement of the armature into a greater amplitude of movement at the free end of the lever.

2,078,896

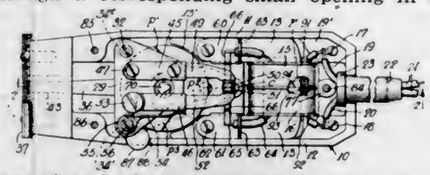
ELECTRIC MOTOR

John A. Hanley, Stamford, Conn., assignor, by mesne assignments, to Clipshave Inc., a corporation of New York

Application December 17, 1934, Serial No. 757,755
25 Claims. (Cl. 172—36)

1. An implement comprising a handle casing substantially closed at the forward end thereof and having an electric motor therein comprising

a stator and a rotor, said rotor having a shaft with an eccentric at its end, and a pivoted lever coacting with said eccentric and protruding through a corresponding small opening in the



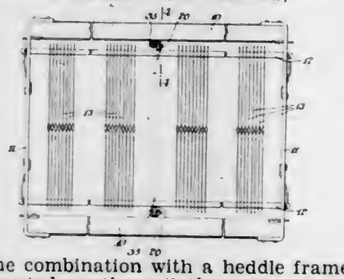
forward end of the casing for reciprocating a tool applied over the forward end of said casing and of area much larger than said opening and a cover abutting at its forward end the rear edge of the substantially closed forward end of said casing.

2,078,897

HEDDLE FRAME

Louis Kasper, Philadelphia, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 16, 1935, Serial No. 31,552
9 Claims. (Cl. 139—92)



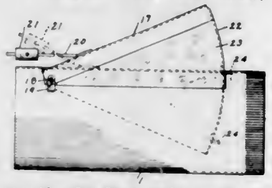
1. The combination with a heddle frame, of a pin mounted on the rail thereof and having a shoulder adapted to receive a heddle bar, a clamping member for engagement with the heddle bar, and positive locking means gripping said pin for holding said clamping member in engagement with the heddle bar, said means being self-locking with respect to the pin.

2,078,898

DRAFT REGULATOR

Orlo H. Price, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois

Application October 24, 1934, Serial No. 749,836
1 Claim. (Cl. 137—153)



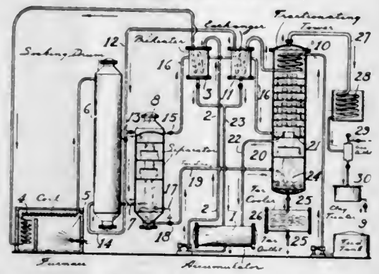
An automatic draft regulator for furnaces including a cylindrical casing forming a portion of and of the same diameter as the stack leading the products of combustion from the furnace to the chimney, a rectangular section cut longitudinally from said casing and pivotally mounted thereupon at the end adjacent the furnace, the free end of said section provided with a curved depending portion adapted to enter and engage the side of the casing opposite said cut out section when the pivoted section lies in the normal plane of the stack, a stop on the bottom of said curved portion to engage the under side of the casing to limit the outward rotation of the pivoted section, said section provided with oppositely disposed depending longitudinal sides joined to said end portion to close the opening in the casing when the said stop is engaged therewith, and a counterweight mounted upon the pivoted section to normally rotate the section to engage said stop with the casing and allow opposite rotation in proportion to chimney suction to cause the curved end portion to act as a damper to restrict the gas travel through the stack.

2,078,899

CRACKING PROCESS

Harold Sydnor, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application July 23, 1932, Serial No. 624,256
1 Claim. (Cl. 196—51)



The process of cracking oil which comprises heating a relatively clean distillate charging stock under high pressure to a cracking temperature in an elongated narrow heating zone and discharging the same to an enlarged digesting zone to effect the required amount of cracking, passing substantially all of the cracked effluent to an enlarged high pressure separating zone, maintaining substantially the same high pressure in the digesting and separating zones, introducing fresh feed oil below cracking temperature to the process, passing a part thereof into said digesting zone in proximity to the point of withdrawal of the heated oil therefrom, passing another part of said fresh feed oil into the separating zone, contacting said last mentioned part of said fresh feed oil with cracked effluent from the digesting zone to effect vaporization of the fresh oil at cracking temperature therein, removing oil vapor from the separating zone and fractionating the same under lower pressure than that in the separating zone to obtain the said relatively clean distillate charging stock and naphtha, returning clean distillate charging stock thus obtained to said heating zone as charge oil therefor, separately removing unvaporized bottoms from the separating zone and eliminating said bottoms from the system without subjecting them to thermal conversion.

2,078,900

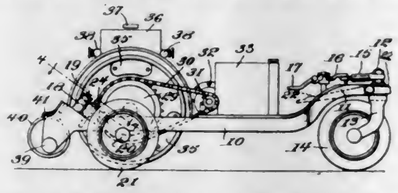
ROAD ROLLER

Edgar V. Biles, San Antonio, Tex., assignor of twenty-nine one-hundredths to Carl H. Graham and twenty one-hundredths to J. P. Willson, both of San Antonio, Tex.

Application October 9, 1933, Serial No. 692,849
10 Claims. (Cl. 94—50)

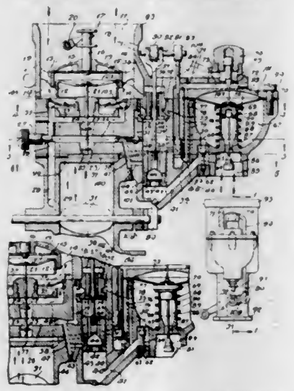
1. In a machine of the character described, a frame, a road roller journaled in said frame, rear

wheels swingingly connected with the frame and movable to and away from a road surface, a front steering wheel, and means arranged with respect



to the road roller and rear wheels for the automatic lifting of the frame on backward movement thereof to free the said roller and rear wheels from contact with the ground surface.

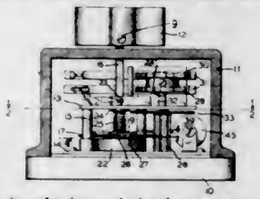
2,078,901
SELF FEEDING CARBURETOR
Wilfred O. Chase, Detroit, Mich.
Application June 30, 1934, Serial No. 733,215
Renewed October 10, 1936
23 Claims. (Cl. 261—34)



1. A floatless self feeding carburetor for internal combustion engines comprising a cylindrical air valve, a primary air passage controlled thereby, a fuel supply passage leading thereto, a diaphragm responsive to the pressure in the fuel passage, a fuel outlet discharging into the air entrance on said engine side of the air valve and connected to said fuel supply passage, means responsive to the velocity of flow in said fuel passage for controlling said air valve, valve means for admitting air to said fuel passage, said valve being operatively connected to said diaphragm for the purpose described.

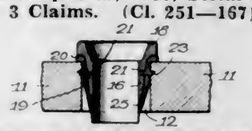
2,078,902
CALL BOX
Eugene A. Demonet, Brooklyn, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application September 1, 1933, Serial No. 687,891
6 Claims. (Cl. 185—37)

5. In a call box mechanism the combination of a spring motor assembly including a drive shaft, a code wheel, a gear train connecting said code wheel with said drive shaft, a winding handle for rotating said drive shaft in a reverse direction to wind said motor, a governor shaft carrying a worm, a worm wheel for driving said shaft, the teeth of said worm wheel having a forward engaging face formed along a substantially radial line and a reverse engaging face formed along a chord at a slight angle from a tangential line, whereby normal driving action between the wheel and worm when the wheel tends to rotate in a forward direction exerts a force against the worm, the major component of which is parallel to the axis of the worm shaft and whereby when



the wheel tends to rotate in a reverse direction the action of the reverse engaging face of the teeth upon the worm produces a force, the major component of which is in a direction transversely of the worm shaft causing the wheel to become locked against the worm, preventing the reverse rotation of the worm wheel.

2,078,903
SEAT FOR VALVES
Lawrence C. Domack, Elmwood Park, Ill., assignor of forty per cent to Kenneth Weiler, Elmwood Park, Ill.
Application April 30, 1936, Serial No. 77,165
3 Claims. (Cl. 251—167)



1. A valve seat assembly for a valve opening having an annular groove in the wall thereof comprising an inner tubular seat member having a tapered exterior provided with an annular groove therein, and an outer sheath member slidably positioned on the tapered exterior of said inner member, said sheath being of deformable material adapted to be expanded radially by relative movement of said inner member to force said sheath into sealing contact with the wall of said valve opening and to cause portions of said sheath material to flow into each of said grooves simultaneously with said movement of said inner member to prevent axial displacement of the inner member with respect to the valve opening.

2,078,904
CLOTH SHRINKING
Sanford L. Cluett, Troy N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York
Application November 14, 1935, Serial No. 49,791
19 Claims. (Cl. 26—18.6)

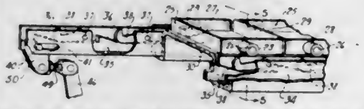


1. A machine for shrinking a cloth web, including an elastic member of which a web-engaging surface is adapted to contract and has a

path such that it forms a concave surface, and means for pressing the web against the concave contracting surface of said member, the elastic material adjacent to the web-engaging surface of said member being under sufficient tension in the machine prior to said contraction to prevent compression of said material in the direction of the contraction during said contraction.

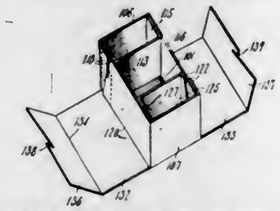
14. A web-compressing member for use in a machine for shrinking textile webs, said member including a body of elastic material having a surface adapted to contact and shrink the web and adapted to be distorted during action of the said web-compressing member in the machine, and a relatively inelastic portion, the web-compressing member having the web-contacting portions of its elastic material sufficiently stretched with respect to the inelastic portion so that in the distortion of the elastic material in the machine an inherent tension in said web-contacting portions of elastic material prevents said web-contacting portions from coming under any substantial longitudinal compression during the shrinking.

2,078,905
CONTINUOUS HEAT-TREATING FURNACE
Ralph S. Fearnside, Detroit, Mich., assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application December 9, 1935, Serial No. 53,506
9 Claims. (Cl. 198—218)



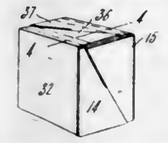
1. In apparatus for sliding objects along a longitudinally extending support, the combination comprising a reciprocable beam which extends lengthwise of said support, a reciprocable bar slidably supported on the beam, and means for reciprocating the beam and bar as a unit including means for moving the bar a portion of its stroke before the beam is moved along in the same direction as the bar.

2,078,906
CARTON AND BLANK FOR FORMING THE SAME
Henry Kondolf, New York, N. Y., assignor to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware
Application October 6, 1932, Serial No. 636,481
Renewed October 16, 1936
14 Claims. (Cl. 229—27)



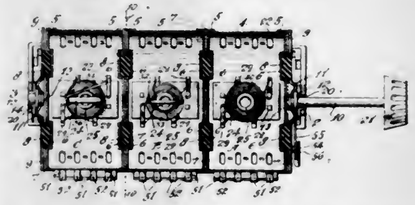
2. A blank for forming a carton adapted to hold a plurality of articles such as dishes or the like, which comprises a continuous sheet of material having a central panel adapted to serve as a bottom for the carton; end panels adjoining said central panel on two sides thereof; and having extensions adapted to be bent to form with said end panels a partitioned enclosure extending upwardly from said central panel and open at the upper end thereof for insertion of said articles therein; and outer side panels adjoining said central panel on the other sides thereof, adapted to be bent at right angles to said central panel to reinforce sides of said partial enclosure, at least one of said side panels having an extension adapted to cover the open end of and complete said enclosure, said outer side panels being adapted to mutually engage with each other and lock the completed enclosure.

2,078,907
CARTON AND BLANK FOR FORMING THE SAME
Henry Kondolf, New York, N. Y., assignor to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware
Application June 1, 1933, Serial No. 673,807
8 Claims. (Cl. 229—16)



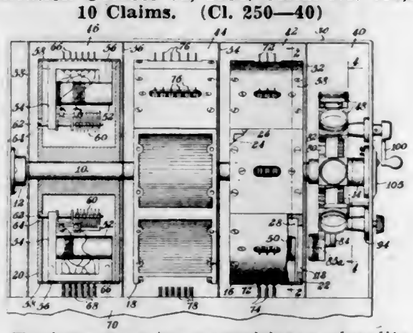
2. In a carton having opposed walls forming a partial enclosure, flaps carried by two of said walls forming a closure for one end of said carton and lying in a single plane across said end, said flaps also being provided with score lines on which said flaps may be folded to position a portion of each flap in a plane across said open end but inside the edges of said carton walls.

2,078,908
COMBINED MULTIBAND ELECTRICAL STRUCTURE AND SWITCHING MECHANISM
Gale Harrison, Kearny, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 28, 1934, Serial No. 717,868
25 Claims. (Cl. 171—119)



1. A combined multi-band electrical structure and switching mechanism for electrical circuits comprising a supporting frame and a plurality of coupling units carried by the frame, each unit including a shielding casing having a plurality of individual circuit units arranged around the inner periphery of its casing, said circuit units including impedances and contacts connected thereto, said contacts extending through the casing, contacts carried by the frame to be engaged by said contacts projecting from the casing units, means for mechanically operating one coupling unit by means of another, and means for moving the entire coupling structure with respect to the frame to cause different sets of said movable contacts to engage said contacts carried by the frame.

2,078,909
TUNING APPARATUS
Clarence A. Gunther, Haddonfield, N. J., assignor to General Electric Company, a corporation of New York
Application October 31, 1934, Serial No. 750,811
10 Claims. (Cl. 250—40)



1. Tuning apparatus comprising a plurality of tuning elements, means supporting said elements about a common axis and for movement to different angular positions with respect to said axis, contact means associated respectively with said elements, means common with respect to said elements and cooperable with said contact means for connecting said elements in circuit, means supporting said first and third named means for rotary movement relatively with respect to each other whereby said units can be connected in circuit selectively, and means for changing the angular position of the connected element with respect to said axis.

2,078,910
ADHESION OF RUBBER
James A. Merrill, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 28, 1934, Serial No. 745,851
3 Claims. (Cl. 154—2)

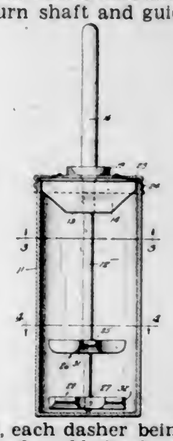
3. The method of bonding cured rubber to a base which comprises treating a surface of the rubber with a solution of bromine in a solvent which swells the rubber and then bonding the treated surface of the rubber to the base by a thermo-setting resin.

2,078,911
ADHESION OF RUBBER
James A. Merrill, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 28, 1934, Serial No. 745,850
2 Claims. (Cl. 154—2)

1. The method of bonding cured rubber to a base which comprises treating a surface of the rubber with a solution of a halide of an amphoteric metal in a solvent which swells the rubber and then bonding the treated surface of the rubber to the base by a thermo-setting resin.

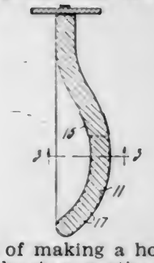
2,078,912
CHURN DASHER AND MIXER
Frank R. Shinn, Sr., Stark City, Mo.
Application April 22, 1935, Serial No. 17,731
2 Claims. (Cl. 259—113)

1. A churn dasher and mixer comprising a churn shaft and handle, said churn shaft being of reduced diameter and extending integrally from the handle, a guide through which said churn shaft is reciprocable within one limit set by the enlarged handle, a pair of churn dashers secured to said churn shaft below said guide, said shaft being reduced to form a shoulder against which the upper dasher abuts and being further reduced to form a further shoulder against which the lower dasher abuts, each dasher having a wood pin to fasten said dasher to said churn shaft, said churn shaft and guide likewise being



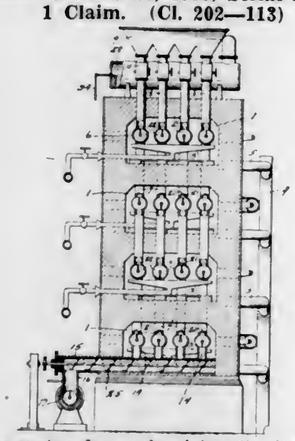
made of wood, each dasher being in the form of a cross having four blades bevelled along their under meeting edges, each aperture having three apertures extending vertically therethrough, the blades and apertures of one dasher being spaced substantially forty-five degrees on vertical alignment with the blades and apertures of the other churn dasher, the blades of the upper dasher overlapping the blades of the lower dasher to provide a reagitating effect, a jar lid, said guide being secured to said jar lid whereby said dashers may be reciprocated within a jar to which the lid is secured.

2,078,913
METHOD OF MAKING HOLLOW RUBBER ARTICLES
Sherman I. Strickhouser, Providence, and Ernest J. Joss, Cranston, R. I., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 19, 1935, Serial No. 2,524
16 Claims. (Cl. 18—58)



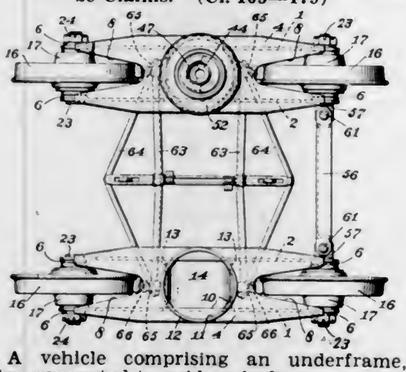
1. The process of making a hollow rubber article having at least a portion of its surface spherical in shape which comprises depositing rubber from a rubber containing fluid on a form, having those portions of its surface corresponding to spherical portions of the article to be made scoop-shaped, removing the deposit from the form, and shaping the article thus removed so that the portions of the surface corresponding to the scoop-shaped portions of the form are made spherical in shape.

2,078,914
DISTILLING APPARATUS
Banks O. Daubert, Hartleton, Pa.
Application October 28, 1933, Serial No. 695,684
1 Claim. (Cl. 202—113)



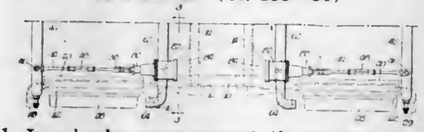
An apparatus for carbonizing lignite including a vertical series of horizontally disposed closed metallic retorts, a chamber enclosing each retort, the several chambers being entirely separated from each other each retort having an inlet and an outlet at opposite ends, the outlet of all retorts except the last leading into the inlet of the retort below, open flame heating means individual to and disposed within the several chambers and entirely exterior to each retort, the heating means for each chamber being independently controllable from the heating means for any other chamber, continuously operable means in each retort for causing the material to travel from the inlet of the retort to the outlet end thereof, means for delivering material into the inlet end of the uppermost retort and including means for preventing access of air to the interior of the uppermost retort, means for causing the discharge of material from the lowermost retort including means preventing the inlet of air, means for permitting the gases to pass upward successively from the lowest retort through the successive retorts of the series, and means for positively withdrawing said gases from the uppermost retort.

2,078,915
TANDEM WHEELED TRUCK
Henry Fort Flowers, Findlay, Ohio
Application April 10, 1935, Serial No. 15,682
29 Claims. (Cl. 105—179)



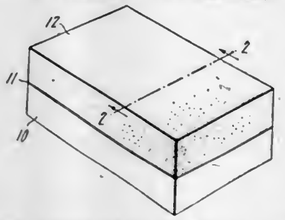
7. A vehicle comprising an underframe, a bolster connected to said underframe, a truck at each end of the bolster on which said bolster and underframe are mounted, a tie bar connecting said trucks, each truck including parallel side plates spaced from each other and having alined openings adjacent each end thereof, a top and bottom plate connecting the side plates, a spindle at each end of the truck mounted in the alined openings in the side plates, a wheel mounted on each spindle, an anti-friction bearing between the wheel and its supporting spindle, and means carried by the side plates on which the bolster mounting is supported so that said truck can turn about a horizontal axis in a vertical plane longitudinally of the truck, said bolster mounting including means whereby the bolster may move vertically relative to the truck and the truck turn about a vertical axis on the bolster.

2,078,916
BRAKE ARRANGEMENT
William C. Hedgcock, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 23, 1935, Serial No. 7,694
30 Claims. (Cl. 188—56)



1. In a brake arrangement, the combination of a truck frame, a wheel and axle assembly disposed in supporting relation thereto, a hanger lever pivotally connected adjacent its upper end to said truck frame, a brake beam connected to said hanger lever adjacent the lower end thereof, a brake head connected to said hanger lever intermediate the ends thereof, a brake cylinder supported by said truck frame, a cylinder lever disposed on the opposite side of the axle from said hanger lever and pivotally connected adjacent the upper end thereof to the piston of said cylinder, a pull rod connecting said brake beam and the lower end of said cylinder lever, a brake beam having a brake head thereon supported from said truck frame and disposed on the opposite side of said wheel from said first named brake beam, and a connection between said second named brake beam and said cylinder lever.

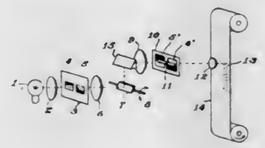
2,078,917
METHOD OF ATTACHING RUBBER TO METAL AND ARTICLES PRODUCED THEREBY
John Gilbert Malone, Detroit, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 24, 1934, Serial No. 741,200
7 Claims. (Cl. 18—59)



1. A new article of manufacture comprising a ferrous base, a bronze coating comprising a major

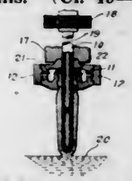
proportion of copper and a minor proportion of tin on said base, the proportion of copper to tin in said bronze being materially greater on the outer surface of said coating than adjacent the said base, the tin content of said outer surface being up to 15 percent and a rubber layer vulcanized on said coating.

2,078,918
SOUND RECORDING
Josef Mayer, Berlin-Lankwitz, Germany, assignor to Tobis, Tonbild-Syndikat A. G., Berlin, Germany, a corporation of Germany
Application February 11, 1937, Serial No. 125,195
In Germany October 24, 1935
2 Claims. (Cl. 179—100.3)



1. The combination of means for producing a light beam, means defining a light slit, means for controlling said light beam to produce at said slit images which vary inversely in light intensity transversely of said slit, and means for vibrating said images transversely of said slit.

2,078,919
METHOD OF FORMING HOLLOW GLASSWARE
Lloyd G. Bates, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application January 20, 1936, Serial No. 59,834
5 Claims. (Cl. 49—80)

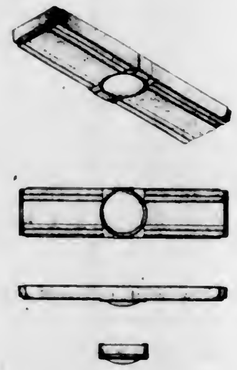


4. The method of forming an article of hollow glassware having a neck portion which comprises forming said neck portion of the article, by gathering glass from the surface of a supply pool in a neck mold around the tip of an upwardly projecting vertical former or plunger in said neck mold, forming a hollow parison body integral with said neck portion by moving said neck mold and the glass therein upwardly along said former or plunger to draw glass from the pool progressively upwardly in a tubular body surrounding the former or plunger and severing the glass of the tubular body from that of the pool, and thereafter introducing air under pressure through said neck portion into the hollow parison body to expand the latter to form the body of the final article.

DESIGNS

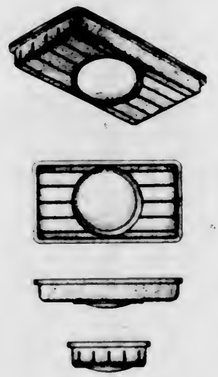
APRIL 27, 1937

104,230
DESIGN FOR A COMBINED GLOBE AND PANEL FOR A LIGHTING FIXTURE
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application November 16, 1936, Serial No. 65,933
Term of patent 14 years



The ornamental design for a combined globe and panel for a lighting fixture, substantially as shown and described.

104,231
DESIGN FOR A COMBINED GLOBE AND PANEL FOR A LIGHTING FIXTURE
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application November 16, 1936, Serial No. 65,934
Term of patent 14 years



The ornamental design for a combined globe and panel for a lighting fixture, substantially as shown and described.

104,232
DESIGN FOR A COMBINED GLOBE AND PANEL FOR A LIGHTING FIXTURE
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application November 16, 1936, Serial No. 65,935
Term of patent 14 years



The ornamental design for a combined globe and panel for a lighting fixture, substantially as shown and described.

104,233
DESIGN FOR A COMBINED GLOBE AND PANEL FOR A LIGHTING FIXTURE
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application November 16, 1936, Serial No. 65,936
Term of patent 14 years



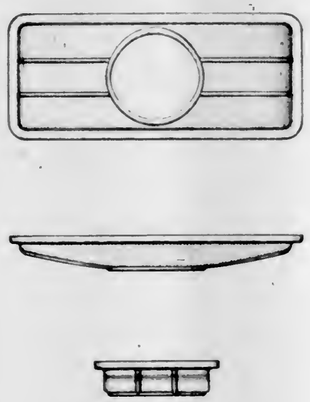
The ornamental design for a combined globe and panel for a lighting fixture, substantially as shown and described.

104,234
DESIGN FOR A LIGHTING FIXTURE GLOBE
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application November 16, 1936, Serial No. 65,938
Term of patent 14 years



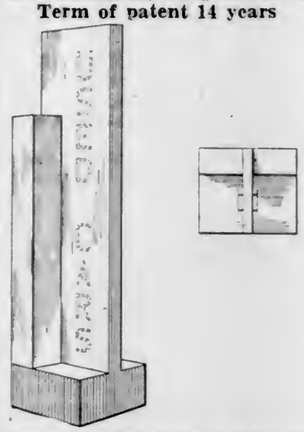
The ornamental design for a lighting fixture globe, substantially as shown and described.

104,235
DESIGN FOR A LIGHT-TRANSMITTING PANEL FOR A LIGHTING FIXTURE
Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application February 10, 1937, Serial No. 67,556
Term of patent 14 years



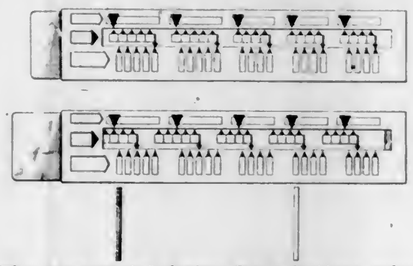
The ornamental design for a light-transmitting panel for a lighting fixture, substantially as shown.

104,236
DESIGN FOR A SIGN UNIT OR THE LIKE
Edmund Norwood Bacon, Bloomfield Hills, Mich., assignor to W. B. Farrell Associates, Inc.
Application March 18, 1936, Serial No. 61,684
Term of patent 14 years



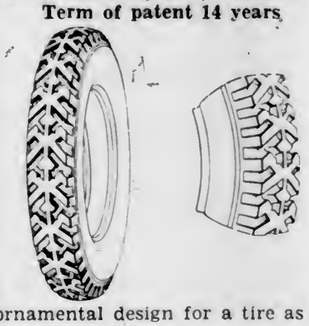
The ornamental design for a sign unit or the like as shown and described.

104,237
DESIGN FOR A BATTERY SELECTOR
Dorac B. Banta, Bloomfield, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application November 7, 1935, Serial No. 59,426
Term of patent 7 years



The ornamental design for a battery selector, as shown and described.

104,238
DESIGN FOR A TIRE
Joseph Barg, Cincinnati, Ohio
Application March 1, 1937, Serial No. 67,931
Term of patent 14 years



The ornamental design for a tire as shown.

104,239
DESIGN FOR A BUCKLE
Charles M. Blankmann, St. Louis, Mo.
Application February 3, 1936, Serial No. 60,965
Term of patent 7 years



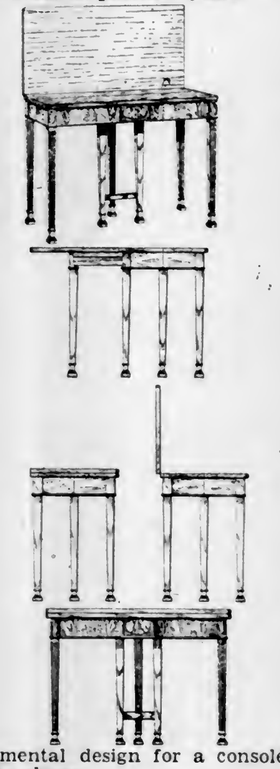
The ornamental design for a buckle, substantially as shown.

104,240
DESIGN FOR A CONSOLE EXTENSION TABLE
Carl H. Brandt, Hagerstown, Md., assignor to The Brandt Cabinet Works, Inc., Hagerstown, Md., a corporation of Maryland
Application March 22, 1937, Serial No. 68,343
Term of patent 7 years



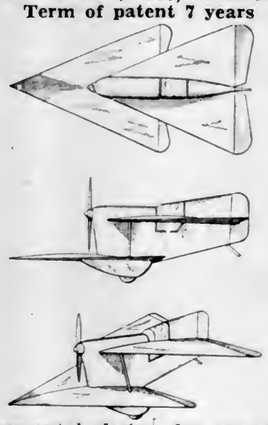
The ornamental design for a console extension table, as shown.

104,241
DESIGN FOR A CONSOLE EXTENSION TABLE
Carl H. Brandt, Hagerstown, Md., assignor to The Brandt Cabinet Works, Inc., Hagerstown, Md., a corporation of Maryland
Application March 22, 1937, Serial No. 68,344
Term of patent 7 years



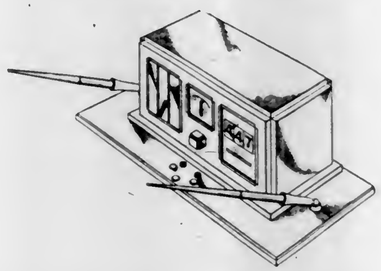
The ornamental design for a console extension table, as shown.

104,242
DESIGN FOR AIRPLANE
Antonio Cernuda, Habana, Cuba
Application June 16, 1936, Serial No. 63,329
Term of patent 7 years



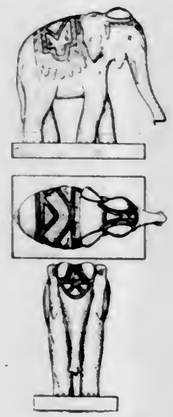
The ornamental design for an airplane, as shown.

104,243
DESIGN FOR A COMBINATION DESK UNIT
Ray M. Chenoweth, Emmett M. Irwin, and Walter P. Huntley, Los Angeles, Calif.
Application February 5, 1937, Serial No. 67,466
Term of patent 14 years



The ornamental design for a combination desk unit, or similar article, as shown.

104,244
DESIGN FOR A LIQUID DISPENSER
Joseph M. De Lacy, Chicago, Ill.
Application January 6, 1936, Serial No. 60,440
Term of patent 3½ years



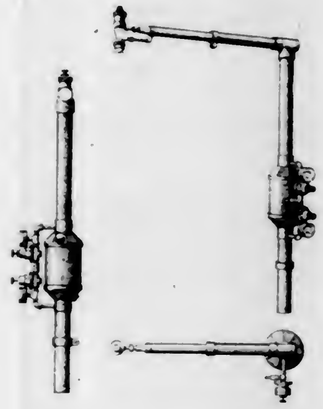
The ornamental design for a liquid dispenser substantially as shown.

104,245
DESIGN FOR A SCARF
Peter Delich, Duluth, Minn.
Application March 19, 1937, Serial No. 68,287
Term of patent 14 years



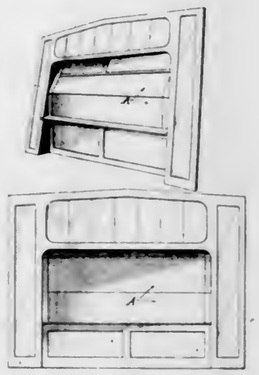
The ornamental design for a scarf, as shown.

104,246
DESIGN FOR A SPRAY APPARATUS FOR PREVENTING OFFSET IN PRINTING
Alessandro Della Chiesa, Douglaston, N. Y., and Louis P. Froehlich, East Rutherford, N. J.
Application February 4, 1937, Serial No. 67,448
Term of patent 14 years



The ornamental design for a spray apparatus for preventing offset in printing, as shown.

104,247
DESIGN FOR AN OVEN FRONT
Irwin Elliott, Harmon, N. Y., assignor to Universal Oven Company, Incorporated, New York, N. Y., a corporation of New York
Application January 18, 1936, Serial No. 60,648
Term of patent 14 years



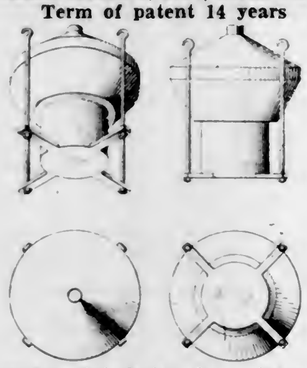
The ornamental design for an oven front, substantially as illustrated and described.

104,248
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application March 29, 1937, Serial No. 68,457
Term of patent 3½ years



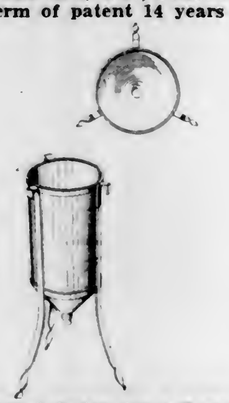
The ornamental design for a textile fabric or similar article as shown.

104,249
DESIGN FOR A HANGING STOVE
Percy M. Forster, Berkeley, Calif.
Application March 8, 1937, Serial No. 68,077
Term of patent 14 years



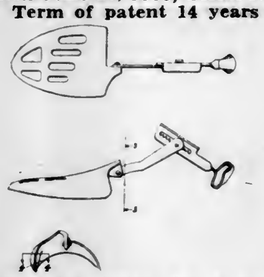
The ornamental design for a hanging stove, as shown.

104,250
DESIGN FOR A FLOWER HOLDER OR SIMILAR ARTICLE
Leon R. Gartland, Spencer, Iowa
Application March 2, 1937, Serial No. 67,940
Term of patent 14 years



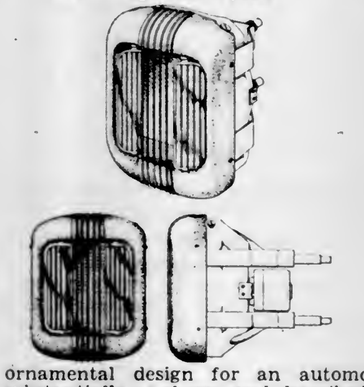
The ornamental design for a flower holder or similar article, substantially as shown.

104,251
DESIGN FOR A SHOE TREE
Julius Gershune, Louisville, Ky.
Application June 17, 1935, Serial No. 57,308
Term of patent 14 years



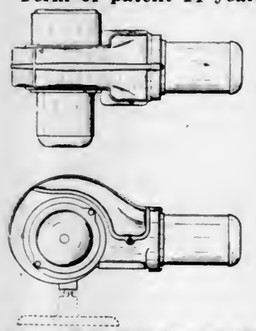
The ornamental design for a shoe tree, as shown and described.

104,252
DESIGN FOR AN AUTOMOBILE HEATER
John E. Goerlich, Toledo, Ohio
Application September 25, 1935, Serial No. 58,691
Term of patent 7 years



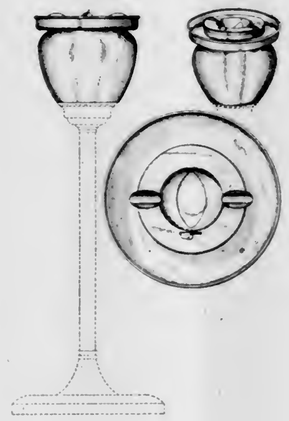
The ornamental design for an automobile heater, substantially as shown and described.

104,253
DESIGN FOR AN OIL BURNER CASING
Herman O. Grimmeisen, West Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application March 24, 1937, Serial No. 68,365
Term of patent 14 years



The ornamental design for an oil burner casing, as shown and described.

104,254
DESIGN FOR A SMOKING STAND
Albert C. Grunwald, River Forest, Ill., assignor to Precision Metal Workers, Chicago, Ill., a corporation of Illinois
Application January 18, 1937, Serial No. 67,114
Term of patent 14 years



The ornamental design for a smoking stand, as shown and described.

104,255
DESIGN FOR A CIGARETTE
Sadie E. Gurvitch, Springfield, Mass.
Application February 25, 1937, Serial No. 67,857
Term of patent 14 years



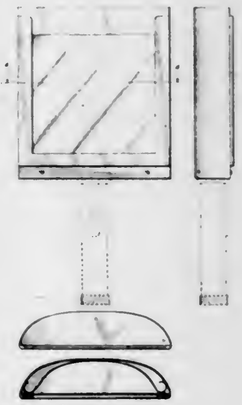
The ornamental design for a cigarette as shown.

104,256
DESIGN FOR A SEAT
Emil Hauser, New York, N. Y.
Application March 23, 1937, Serial No. 68,354
Term of patent 7 years



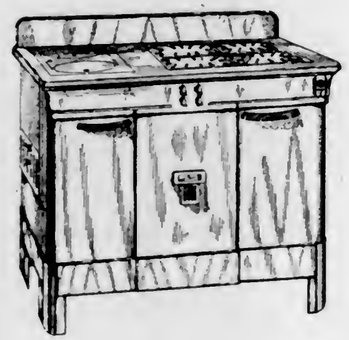
The ornamental design for a seat, substantially as shown.

104,257
DESIGN FOR A COMBINED CONSTELLATION FINDER AND FLASHLIGHT HOLDER
Albert Y. Hayes, San Antonio, Tex.
Application February 13, 1937, Serial No. 67,659
Term of patent 3½ years



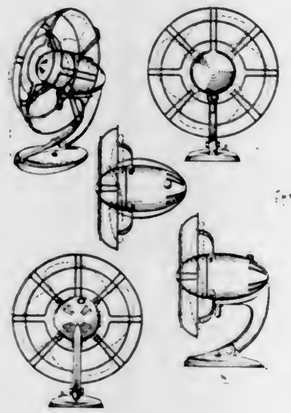
The ornamental design for a combined constellation finder and flashlight holder, substantially as shown.

104,258
DESIGN FOR A RANGE
Herman H. Heidbreder, Quincy, Ill., assignor to The Moore Corporation, Joliet, Ill., a corporation of Delaware
Application October 2, 1936, Serial No. 65,127
Term of patent 3½ years



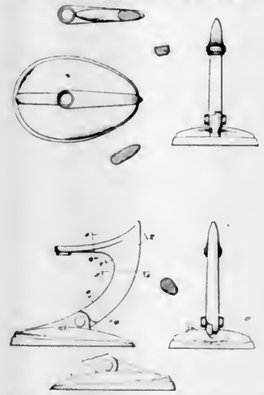
The ornamental design for a range, as shown and described.

104,259
DESIGN FOR AN ELECTRIC FAN OR SIMILAR ARTICLE
Robert Heller, New York, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application January 13, 1937, Serial No. 67,035
Term of patent 14 years



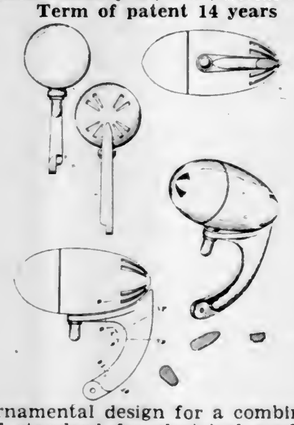
The ornamental design for an electric fan or similar article, as shown.

104,260
DESIGN FOR A COMBINED BASE AND STANDARD FOR ELECTRICAL APPLIANCES
Robert Heller, New York, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application January 13, 1937, Serial No. 67,036
Term of patent 14 years



The ornamental design for a combined base and standard for electrical appliances, as shown.

104,261
DESIGN FOR A COMBINED MOTOR UNIT AND STANDARD FOR ELECTRICAL APPLIANCES
Robert Heller, New York, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application January 13, 1937, Serial No. 67,037
Term of patent 14 years



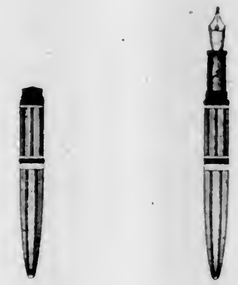
The ornamental design for a combined motor unit and standard for electrical appliances, as shown.

104,262
DESIGN FOR A CLOSURE CAP
Alanson B. Hewes, New York, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application March 5, 1937, Serial No. 68,020
Term of patent 7 years



The ornamental design for a closure cap, substantially as shown.

104,263
DESIGN FOR A FOUNTAIN PEN
George C. Holt, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application February 18, 1937, Serial No. 67,730
Term of patent 14 years



The ornamental design for a fountain pen substantially as shown.

104,264
DESIGN FOR A BOTTLE
Wilbur A. Holtz, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 19, 1937, Serial No. 68,283
Term of patent 14 years



The ornamental design for a bottle substantially as shown.

104,265
DESIGN FOR A TEXTILE FABRIC
John H. Huelat, New York, N. Y.
Application March 27, 1937, Serial No. 68,421
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

104,266
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Adolph C. Jaeger, Port Chester, N. Y.
Application February 19, 1937, Serial No. 67,742
Term of patent 7 years

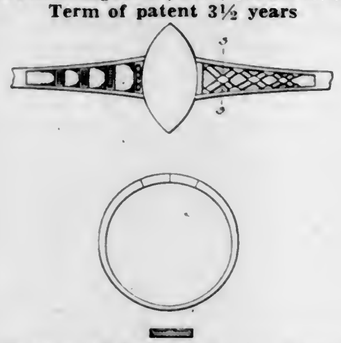
The ornamental design for a textile fabric or similar article substantially as shown and described.

104,267
DESIGN FOR MEDAL OR SIMILAR ARTICLE
Fred Jaske, Alameda, and Carl M. Johnson, San Francisco, Calif.
Application April 29, 1936, Serial No. 62,382
Term of patent 3½ years



The ornamental design for medal or similar article, substantially as shown.

104,268
DESIGN FOR A RING OR SIMILAR ARTICLE
Fred Jaske, Alameda, and Carl M. Johnson, San Francisco, Calif.
Application August 17, 1936, Serial No. 64,438
Term of patent 3½ years



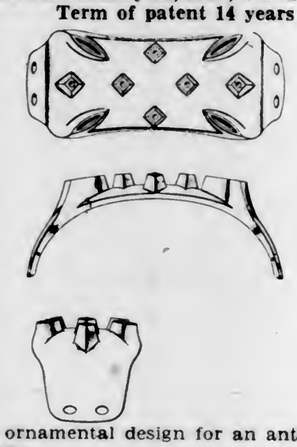
The ornamental design for a ring or similar article, as shown.

104,269
DESIGN FOR A HOSE GUARD
Theodore N. Kuleff, Valparaiso, Ind.
Application February 8, 1936, Serial No. 61,038
Term of patent 7 years



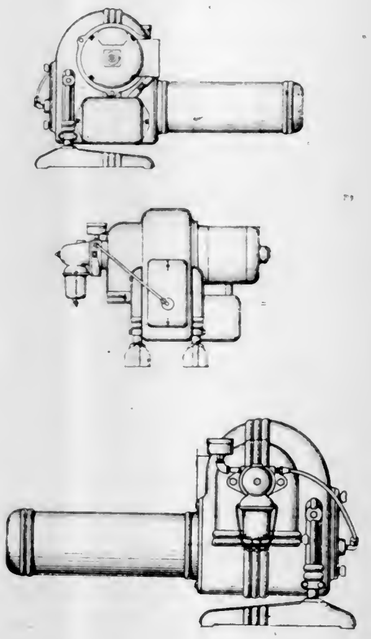
The ornamental design for a hose guard as shown.

104,270
DESIGN FOR AN ANTISKID DEVICE
Emile Lafond, Lewiston, Maine
Application January 12, 1937, Serial No. 67,024
Term of patent 14 years



The ornamental design for an antiskid device as shown.

104,271
DESIGN FOR AN OIL BURNER
Emert J. Lattner, Cedar Rapids, Iowa
Application December 14, 1936, Serial No. 66,507
Term of patent 3½ years



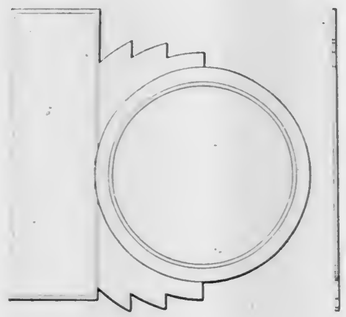
The ornamental design for an oil burner as shown.

104,272
DESIGN FOR A FAUCET ATTACHMENT
Carl E. Lehman, Chicago, Ill.
Application December 11, 1936, Serial No. 66,487
Term of patent 14 years



The ornamental design for faucet attachment as shown.

104,273
DESIGN FOR A SIGN
Leroy W. Long, Belleville, N. J., assignor to Alderney Dairy Co., Newark, N. J.
Application March 3, 1937, Serial No. 67,956
Term of patent 14 years



The ornamental design for a sign, as shown.

104,274
DESIGN FOR A FRUIT JUICE EXTRACTOR
Joseph M. Majewski, Jr., Kansas City, Mo., assignor to Foster L. Talge, Kansas City, Mo., doing business as Rival Manufacturing Company
Application March 4, 1937, Serial No. 67,983
Term of patent 14 years



The ornamental design for a fruit juice extractor substantially as shown and described.

104,275
DESIGN FOR A FRUIT JUICE EXTRACTOR
Joseph M. Majewski, Jr., Kansas City, Mo., assignor to Foster L. Talge, Kansas City, Mo., doing business as Rival Manufacturing Company
Application March 4, 1937, Serial No. 67,984
Term of patent 14 years



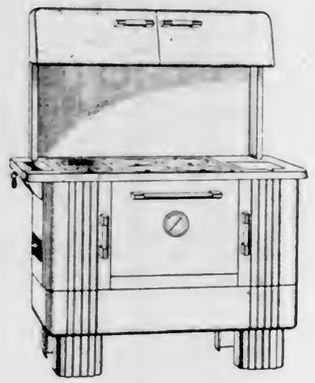
The ornamental design for a fruit juice extractor substantially as shown and described.

104,276
DESIGN FOR A FRUIT JUICE EXTRACTOR
Joseph M. Majewski, Jr., Kansas City, Mo., assignor to Foster L. Talge, Kansas City, Mo., doing business as Rival Manufacturing Company
Application March 4, 1937, Serial No. 67,985
Term of patent 14 years



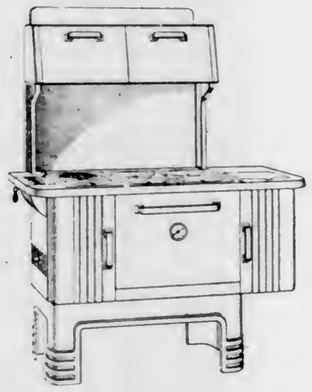
The ornamental design for a fruit juice extractor substantially as shown and described.

104,277
DESIGN FOR A COOKING RANGE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 31, 1936, Serial No. 66,820
Term of patent 14 years



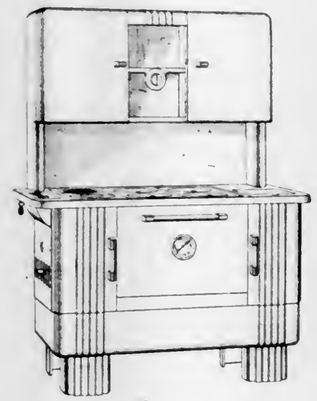
The ornamental design for a cooking range, as shown and described.

104,278
DESIGN FOR A COOKING RANGE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 31, 1936, Serial No. 66,821
Term of patent 14 years



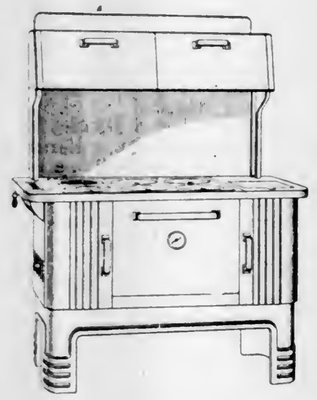
The ornamental design for a cooking range, as shown and described.

104,279
DESIGN FOR A COOKING RANGE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 31, 1936, Serial No. 66,822
Term of patent 14 years



The ornamental design for a cooking range, as shown and described.

104,280
DESIGN FOR A COOKING RANGE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 31, 1936, Serial No. 66,823
Term of patent 14 years



The ornamental design for a cooking range, as shown and described.

104,281
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 11, 1937, Serial No. 68,115
Term of patent 3½ years



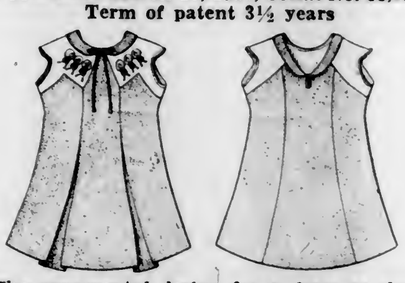
The ornamental design for a dress as shown, and described.

104,282
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 16, 1937, Serial No. 68,193
Term of patent 3½ years



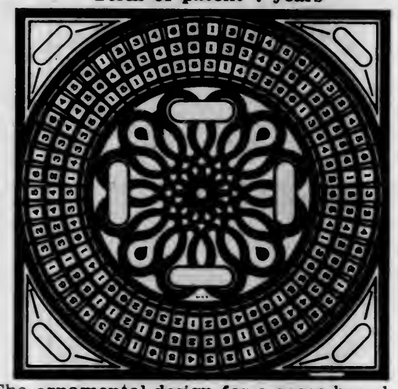
The ornamental design for a dress as shown.

104,283
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 16, 1937, Serial No. 68,194
Term of patent 3½ years



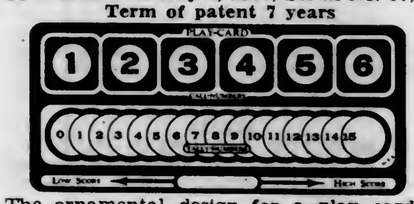
The ornamental design for a dress as shown.

104,284
DESIGN FOR A GAME BOARD
Ferdinand C. H. Müller, Swanton, Ohio
Application February 1, 1937, Serial No. 67,381
Term of patent 7 years



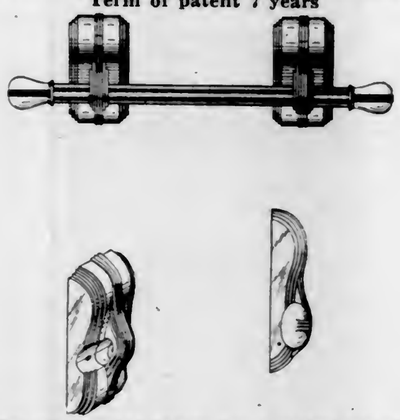
The ornamental design for a game board, substantially as shown and described.

104,285
DESIGN FOR A PLAY CARD FOR GAMES
Ferdinand C. H. Müller, Swanton, Ohio
Application February 1, 1937, Serial No. 67,382
Term of patent 7 years



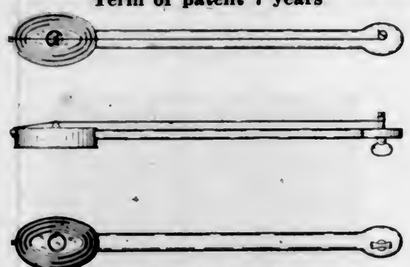
The ornamental design for a play card for games, substantially as shown and described.

104,286
DESIGN FOR A CASKET HANDLE OR SIMILAR ARTICLE
Luther E. Ohls, Galesburg, Ill.
Application October 8, 1936, Serial No. 65,207
Term of patent 7 years



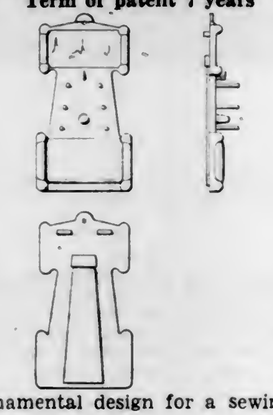
The ornamental design for a casket handle or similar article as shown.

104,287
DESIGN FOR A MUSICAL INSTRUMENT
Narciso S. Olayvar, Annapolis, Md.
Application February 9, 1937, Serial No. 67,538
Term of patent 7 years



The ornamental design for a musical instrument, as shown

104,288
DESIGN FOR A SEWING RACK
Frank T. Olenick, Jr., Butte, Mont.
Application February 9, 1937, Serial No. 67,537
Term of patent 7 years



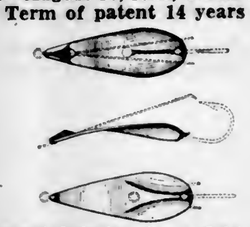
The ornamental design for a sewing rack as shown.

104,289
DESIGN FOR A DRINK MIXER
Frederick J. Osius, Miami Beach, Fla.
Application March 12, 1937, Serial No. 68,139
Term of patent 14 years



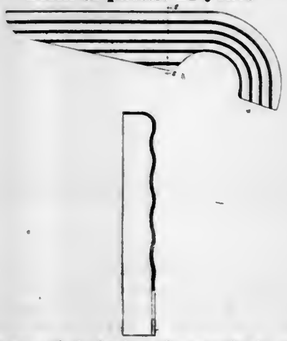
The ornamental design for a drink mixer, substantially as shown.

104,290
DESIGN FOR A FISHING LURE
Paul D. Paulson, Oak Park, Ill.
Application August 17, 1935, Serial No. 58,170
Term of patent 14 years



The ornamental design for a fishing lure substantially as shown and described.

104,291
DESIGN FOR A CHAIN GUARD FOR A CYCLE
Ewald F. Pawsat, Maysville, Ky., assignor to Wald Mfg. Co., Inc., Maysville, Ky., a corporation of Kentucky
Application January 25, 1937, Serial No. 67,264
Term of patent 14 years



The ornamental design for a chain guard for a cycle, as shown.

104,292
DESIGN FOR A BICYCLE MUD GUARD OR SIMILAR ARTICLE
Ewald F. Pawsat, Maysville, Ky., assignor to Wald Mfg. Co., Inc., Maysville, Ky., a corporation of Kentucky
Application January 25, 1937, Serial No. 67,265
Term of patent 14 years



The ornamental design for a bicycle mud guard or similar article, as shown.

104,293
DESIGN FOR A BICYCLE MUD GUARD OR SIMILAR ARTICLE
Ewald F. Pawsat, Maysville, Ky., assignor to Wald Mfg. Co., Inc., Maysville, Ky., a corporation of Kentucky
Application January 25, 1937, Serial No. 67,266
Term of patent 14 years



The ornamental design for a bicycle mud guard or similar article, as shown.

104,294
DESIGN FOR AN EYE MASK
Frances A. Rentchler, Mamaroneck, N. Y.
Application January 9, 1937, Serial No. 66,968
Term of patent 7 years



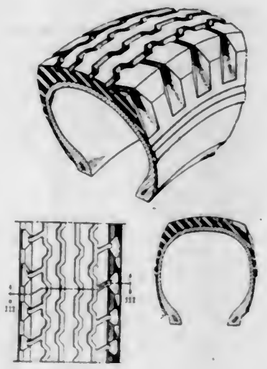
The ornamental design for an eye mask, as shown and described.

104,295
DESIGN FOR A TEXTILE FABRIC
William Rosenberg, New York, N. Y.
Application April 2, 1937, Serial No. 68,527
Term of patent 3½ years



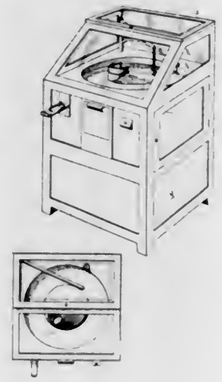
The ornamental design for a textile fabric, substantially as shown and described.

104,296
DESIGN FOR A PNEUMATIC TIRE
Sheldon P. Thacher, Grosse Pointe Park, Mich., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application November 11, 1936, Serial No. 65,848
Term of patent 7 years



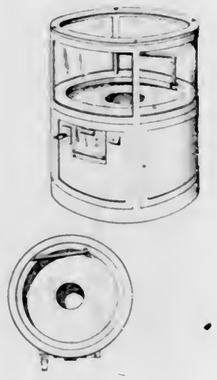
The ornamental design for a pneumatic tire, as shown.

104,297
DESIGN FOR AN AMUSEMENT MACHINE CABINET
Clarence E. Threedy, Chicago, Ill., assignor to H. M. Butterworth and O. M. Hoag, Chicago, Ill.
Application February 13, 1937, Serial No. 67,637
Term of patent 3½ years



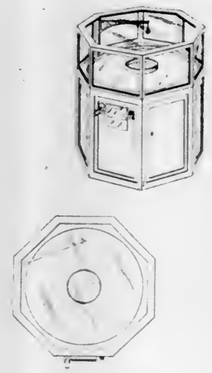
The ornamental design for an amusement machine cabinet, as shown.

104,298
DESIGN FOR AN AMUSEMENT MACHINE CABINET
Clarence E. Threedy, Chicago, Ill., assignor to H. M. Butterworth and O. M. Hoag, Chicago, Ill.
Application February 13, 1937, Serial No. 67,638
Term of patent 3½ years



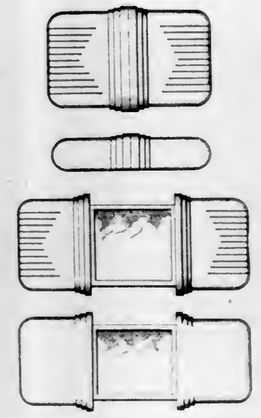
The ornamental design for an amusement machine cabinet, as shown.

104,299
DESIGN FOR AN AMUSEMENT MACHINE CABINET
Clarence E. Threedy, Chicago, Ill., assignor to H. M. Butterworth and O. M. Hoag, Chicago, Ill.
Application February 13, 1937, Serial No. 67,639
Term of patent 3½ years



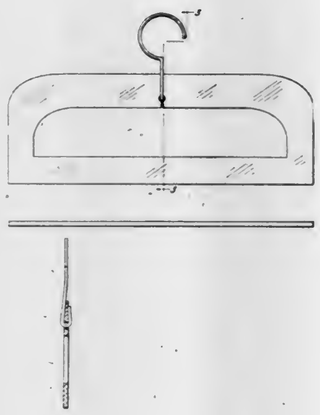
The ornamental design for an amusement machine cabinet, as shown.

104,300
DESIGN FOR A CONTAINER
Sylvan M. Wolfsheim, Buffalo, N. Y., assignor to Wolfsheim & Sachs, Inc., Buffalo, N. Y., a corporation of New York
Application March 12, 1937, Serial No. 68,142
Term of patent 7 years



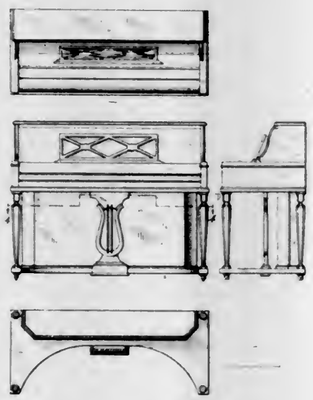
The ornamental design for a container, as shown.

104,301
DESIGN FOR A GARMENT HANGER
Maurice J. Woods, Kalamazoo, Mich.
Application August 3, 1936, Serial No. 64,211
Term of patent 3½ years



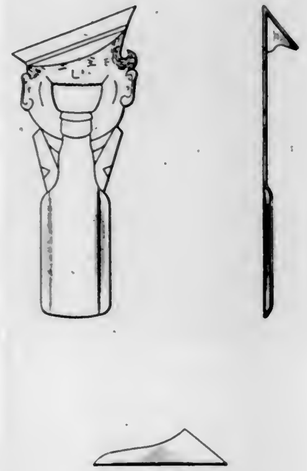
The ornamental design for a garment hanger, as shown.

104,302
DESIGN FOR A PIANO CASE
William Zaiser, Rockville Centre, N. Y., assignor to Steinway & Sons, New York, N. Y., a corporation of New York
Application February 19, 1937, Serial No. 67,734
Term of patent 7 years



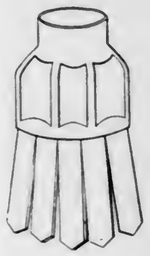
The ornamental design for a piano case, as shown.

104,303
DESIGN FOR A COMBINED BOTTLE OPENER, CAN OPENER, AND SHOEHORN
Thomas A. Addison, New Orleans, La.
Application February 27, 1937, Serial No. 67,887
Term of patent 7 years



The ornamental design for a combined bottle opener, can opener and shoehorn, as shown.

104,304
DESIGN FOR A SHOELACE TASSEL
Clifford G. King, Warren, R. I.
Application February 23, 1937, Serial No. 67,788
Term of patent 7 years



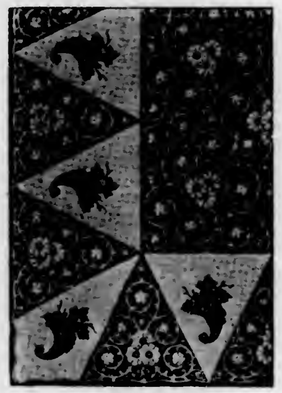
The ornamental design for a shoe lace tassel as shown and described.

104,305
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 7, 1937, Serial No. 68,595
Term of patent 3½ years



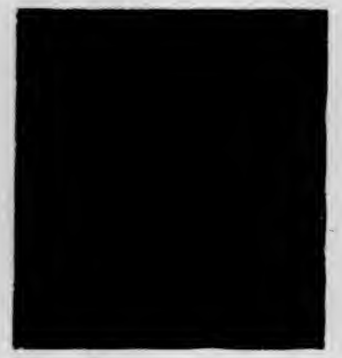
The ornamental design for a lace tablecloth substantially as shown and described.

104,306
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 7, 1937, Serial No. 68,596
Term of patent 3½ years



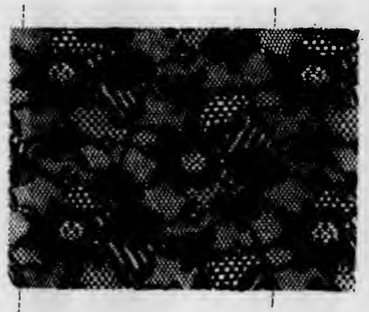
The ornamental design for a lace tablecloth substantially as shown and described.

104,307
DESIGN FOR A TEXTILE FABRIC
Charles H. Ross, Hickory, N. C.
Application April 2, 1937, Serial No. 68,516
Term of patent 3½ years



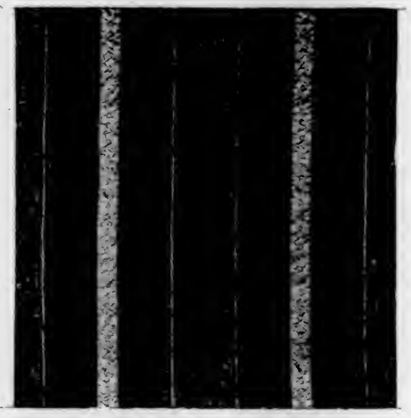
The ornamental design for a textile fabric, substantially as shown.

104,308
DESIGN FOR A LACE
Max Solomon, New York, N. Y.
Application April 2, 1937, Serial No. 68,521
Term of patent 3½ years



The ornamental design for a lace substantially as shown and described.

104,309
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application April 3, 1937, Serial No. 68,539
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

104,310
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application April 7, 1937, Serial No. 68,591
Term of patent 3½ years



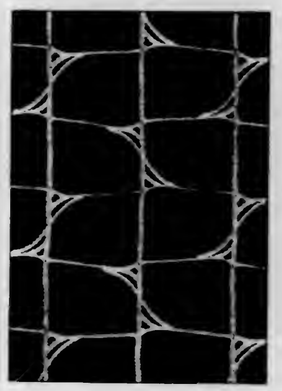
The ornamental design for a textile fabric, substantially as shown.

104,311
DESIGN FOR LACE
James Waterfield, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 7, 1937, Serial No. 68,597
Term of patent 3½ years



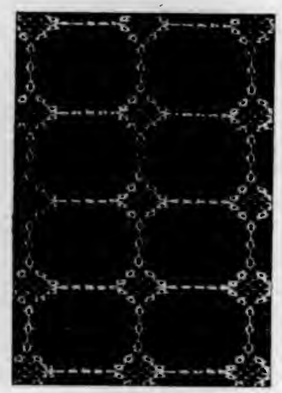
The ornamental design for lace, substantially as shown and described.

104,312
DESIGN FOR LACE
James Waterfield, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 7, 1937, Serial No. 68,598
Term of patent 3½ years



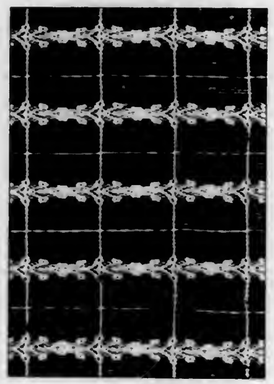
The ornamental design for lace substantially as shown and described.

104,313
DESIGN FOR LACE
James Waterfield, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 7, 1937, Serial No. 68,600
Term of patent 3½ years



The ornamental design for lace substantially as shown and described.

104,314
DESIGN FOR LACE
James Waterfield, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application April 7, 1937, Serial No. 68,601
Term of patent 3½ years



The ornamental design for lace substantially as shown and described.

104,315
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application April 7, 1937, Serial No. 68,589
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

104,316
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application April 7, 1937, Serial No. 68,590
Term of patent 3½ years



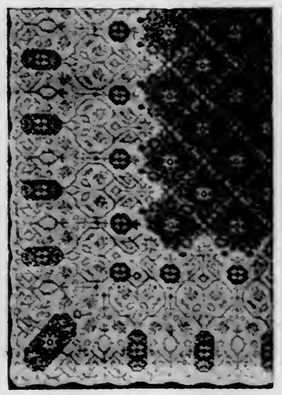
The ornamental design for a textile fabric, substantially as shown.

104,317
DESIGN FOR A LACE TABLECLOTH
William Wolf, Philadelphia, Pa., assignor to Quaker Lace Company Inc., Philadelphia, Pa.
Application April 7, 1937, Serial No. 68,602
Term of patent 3½ years



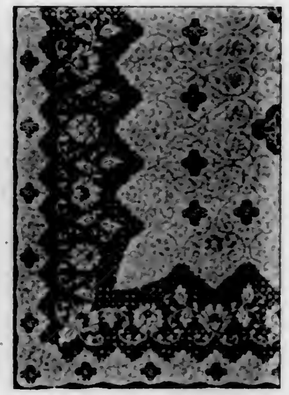
The ornamental design for a lace tablecloth substantially as shown and described.

104,318
DESIGN FOR A LACE TABLECLOTH
William Wolf, Philadelphia, Pa., assignor to Quaker Lace Company Inc., Philadelphia, Pa.
Application April 7, 1937, Serial No. 68,603
Term of patent 3½ years



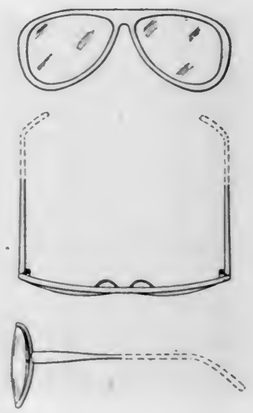
The ornamental design for a lace tablecloth substantially as shown and described.

104,319
DESIGN FOR A LACE TABLECLOTH
William Wolf, Philadelphia, Pa., assignor to Quaker Lace Company Inc., Philadelphia, Pa.
Application April 7, 1937, Serial No. 68,604
Term of patent 3½ years



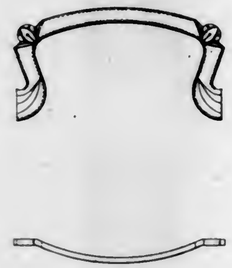
The ornamental design for a lace tablecloth substantially as shown and described.

104,320
DESIGN FOR A PAIR OF GOGGLES OR SIMILAR ARTICLE
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 17, 1937, Serial No. 68,241
Term of patent 14 years



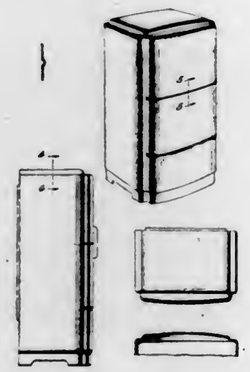
The ornamental design for a pair of goggles or similar article as shown.

104,321
DESIGN FOR A BRIDGE FOR AN OPHTHALMIC MOUNTING
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 17, 1937, Serial No. 68,242
Term of patent 7 years



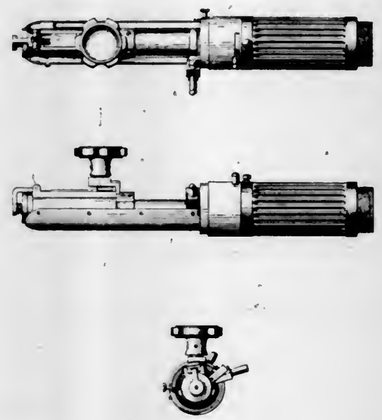
The ornamental design for a bridge for an ophthalmic mounting substantially as shown.

104,322
DESIGN FOR A REFRIGERATOR CABINET
David Chapman, Chicago, Ill.
Application February 5, 1937, Serial No. 67,473
Term of patent 14 years



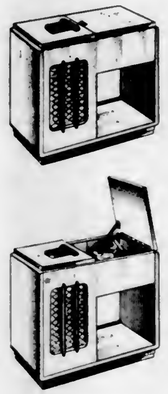
The ornamental design for a refrigerator cabinet as shown.

104,323
DESIGN FOR A HAIR WAVING APPARATUS
Fernan O. Conill, New York, N. Y.
Application September 23, 1936, Serial No. 64,967
Term of patent 14 years



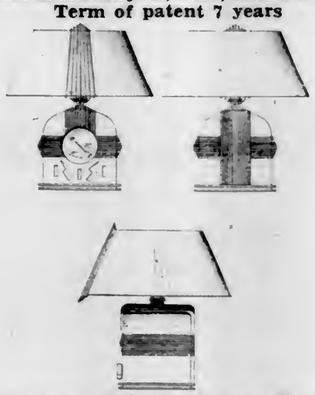
The ornamental design for a hair waving apparatus, as shown.

104,324
DESIGN FOR A COMBINED RADIO AND PHONOGRAPH CABINET OR THE LIKE
Henry W. Gerard, New York, N. Y., assignor to Sonora Electric Phonograph Co., Inc., New York, N. Y., a corporation of New York
Application March 6, 1937, Serial No. 68,049
Term of patent 7 years



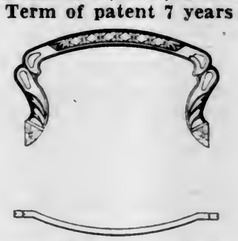
The ornamental design for a combined radio and phonograph cabinet or the like as shown.

104,325
DESIGN FOR A RADIO LAMP
Platt R. Lasseter, Hialeah, Fla.
Application January 16, 1937, Serial No. 67,108
Term of patent 7 years



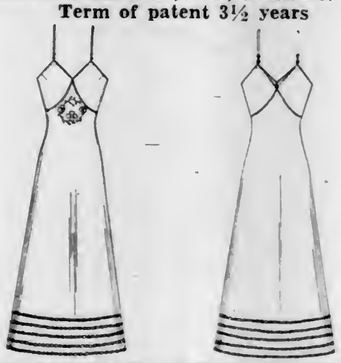
The ornamental design for a radio lamp, as shown.

104,326
DESIGN FOR A BRIDGE FOR AN OPHTHALMIC MOUNTING
Albert G. Mowson, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 17, 1937, Serial No. 68,240
Term of patent 7 years



The ornamental design for a bridge for an ophthalmic mounting, substantially as shown.

104,327
DESIGN FOR A SLIP
Julia Lutfy Sarge, New York, N. Y.
Application March 30, 1937, Serial No. 68,476
Term of patent 3½ years



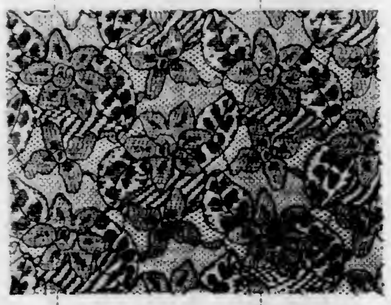
The ornamental design for a slip, substantially as shown and described.

104,328
DESIGN FOR A BLOUSE
Jacob Solomon, New York, N. Y.
Application November 20, 1936, Serial No. 66,030
Term of patent 3½ years



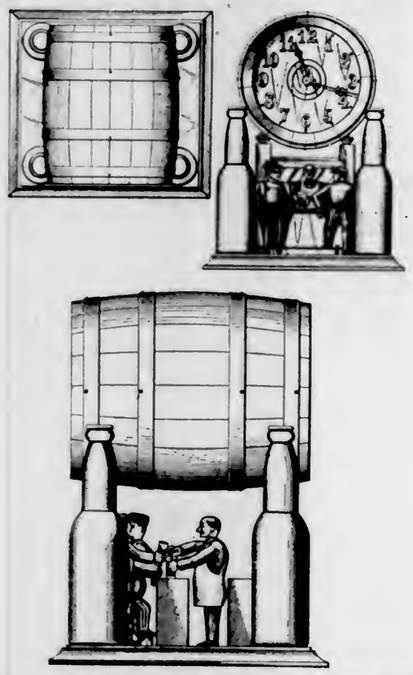
The ornamental design for a blouse, substantially as shown and described.

104,329
DESIGN FOR A LACE
Max Solomon, New York, N. Y.
Application April 2, 1937, Serial No. 68,520
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

104,330
DESIGN FOR A CLOCK
Joseph Albert Thoma and Alfred George Cottet, Piqua, Ohio
Application September 10, 1936, Serial No. 64,795
Term of patent 7 years



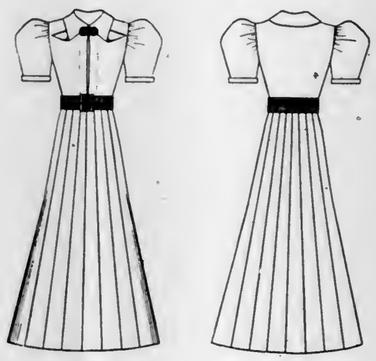
The ornamental design for a clock substantially as shown.

104,331
DESIGN FOR A DRESS
Philip Wenett, New York, N. Y.
Application April 6, 1937, Serial No. 68,579
Term of patent 3½ years



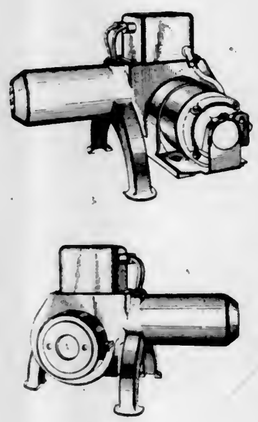
The ornamental design for a dress, substantially as shown.

104,332
DESIGN FOR A DRESS
Irving A. Winter, New York, N. Y.
Application April 6, 1937, Serial No. 68,578
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

104,333
DESIGN FOR AN OIL BURNER
Lewis S. Wagle, Metuchen, N. J.
Application January 9, 1937, Serial No. 66,974
Term of patent 14 years



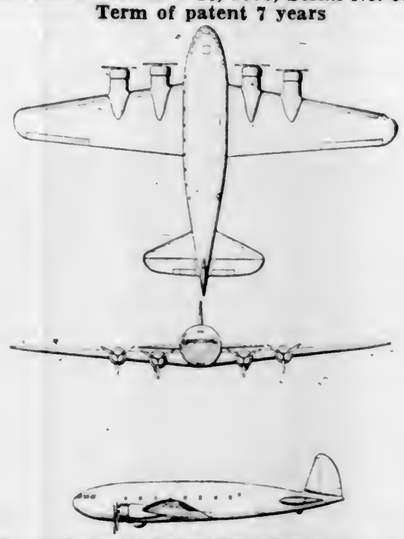
The ornamental design for an oil burner as shown.

104,334
DESIGN FOR A DISPLAY RACK
James M. Campbell, Ozone Park, N. Y., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware
Application November 7, 1936, Serial No. 65,777
Term of patent 3½ years



The ornamental design for a display rack, as shown.

104,335
DESIGN FOR A FOUR-ENGINE TRANSPORT AIRPLANE
Frank R. Canney and Lysle A. Wood, Seattle, Wash., assignors to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application November 16, 1936, Serial No. 65,949
Term of patent 7 years



The ornamental design for a four-engine transport airplane, substantially as shown.

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